



Appendix B

E-UTRA Band 71



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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 |
|--------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band71 | 5MHz | QPSK | 133147 | 1RB#0 | 22.93 | 26.93 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 1RB#24 | 23.21 | 27.21 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 1RB#12 | 23.13 | 27.13 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 12RB#13 | 22.45 | 26.45 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 12RB#0 | 22.24 | 26.24 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 12RB#6 | 22.38 | 26.38 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133147 | 25RB#0 | 22.43 | 26.43 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 1RB#0 | 23.19 | 27.19 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 1RB#12 | 23.28 | 27.28 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 1RB#24 | 23.28 | 27.28 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 12RB#13 | 22.38 | 26.38 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 12RB#0 | 22.34 | 26.34 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 12RB#6 | 22.37 | 26.37 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 25RB#0 | 22.37 | 26.37 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 1RB#12 | 23.19 | 27.19 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 1RB#24 | 23.18 | 27.18 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 1RB#0 | 23.15 | 27.15 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 12RB#6 | 22.32 | 26.32 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 12RB#13 | 22.31 | 26.31 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 12RB#0 | 22.20 | 26.2 | 36.98 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 25RB#0 | 22.32 | 26.32 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 1RB#12 | 22.91 | 26.91 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 1RB#0 | 22.80 | 26.8 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 1RB#24 | 22.89 | 26.89 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 12RB#6 | 21.90 | 25.9 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 12RB#13 | 21.91 | 25.91 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 12RB#0 | 21.82 | 25.82 | 36.98 | PASS |



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| | | | | | | | | |
|--------|------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 5MHz | 64QAM | 133147 | 25RB#0 | 21.88 | 25.88 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 1RB#0 | 22.91 | 26.91 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 1RB#12 | 22.93 | 26.93 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 1RB#24 | 22.94 | 26.94 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 12RB#13 | 21.86 | 25.86 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 12RB#0 | 21.79 | 25.79 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 12RB#6 | 21.84 | 25.84 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 25RB#0 | 21.78 | 25.78 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 1RB#12 | 22.89 | 26.89 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 1RB#24 | 22.94 | 26.94 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 1RB#0 | 22.78 | 26.78 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 12RB#0 | 21.79 | 25.79 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 12RB#6 | 21.87 | 25.87 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 12RB#13 | 21.91 | 25.91 | 36.98 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 25RB#0 | 21.87 | 25.87 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 1RB#12 | 22.32 | 26.32 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 1RB#24 | 22.40 | 26.4 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 1RB#0 | 22.32 | 26.32 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 12RB#0 | 21.28 | 25.28 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 12RB#6 | 21.39 | 25.39 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 12RB#13 | 21.47 | 25.47 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 25RB#0 | 21.44 | 25.44 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 1RB#0 | 22.44 | 26.44 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 1RB#12 | 22.51 | 26.51 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 1RB#24 | 22.52 | 26.52 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 12RB#6 | 21.36 | 25.36 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 12RB#0 | 21.34 | 25.34 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 12RB#13 | 21.40 | 25.4 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 25RB#0 | 21.39 | 25.39 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 1RB#0 | 22.44 | 26.44 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 1RB#12 | 22.58 | 26.58 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 1RB#24 | 22.39 | 26.39 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 12RB#0 | 21.26 | 25.26 | 36.98 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 5MHz | 16QAM | 133447 | 12RB#6 | 21.38 | 25.38 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 12RB#13 | 21.38 | 25.38 | 36.98 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 25RB#0 | 21.27 | 25.27 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 1RB#0 | 23.39 | 27.39 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 1RB#24 | 23.21 | 27.21 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 1RB#49 | 23.17 | 27.17 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 25RB#0 | 22.39 | 26.39 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 25RB#12 | 22.44 | 26.44 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 25RB#25 | 22.36 | 26.36 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 50RB#0 | 22.38 | 26.38 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 1RB#0 | 23.32 | 27.32 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 1RB#24 | 23.15 | 27.15 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 1RB#49 | 23.23 | 27.23 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 25RB#25 | 22.33 | 26.33 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 25RB#0 | 22.35 | 26.35 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 25RB#12 | 22.36 | 26.36 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 50RB#0 | 22.34 | 26.34 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 1RB#49 | 23.14 | 27.14 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 1RB#0 | 23.27 | 27.27 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 1RB#24 | 23.06 | 27.06 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 25RB#25 | 22.25 | 26.25 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 25RB#0 | 22.30 | 26.3 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 25RB#12 | 22.32 | 26.32 | 36.98 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 50RB#0 | 22.26 | 26.26 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 1RB#0 | 22.92 | 26.92 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 1RB#49 | 22.80 | 26.8 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 1RB#24 | 22.67 | 26.67 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 25RB#25 | 21.82 | 25.82 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 25RB#12 | 21.85 | 25.85 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 25RB#0 | 21.78 | 25.78 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 50RB#0 | 21.85 | 25.85 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 1RB#0 | 22.94 | 26.94 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 1RB#24 | 22.89 | 26.89 | 36.98 | PASS |



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|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 10MHz | 64QAM | 133297 | 1RB#49 | 22.77 | 26.77 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 25RB#0 | 21.79 | 25.79 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 25RB#12 | 21.83 | 25.83 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 25RB#25 | 21.76 | 25.76 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 50RB#0 | 21.84 | 25.84 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 1RB#24 | 22.77 | 26.77 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 1RB#49 | 22.88 | 26.88 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 1RB#0 | 22.99 | 26.99 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 25RB#0 | 21.82 | 25.82 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 25RB#12 | 21.83 | 25.83 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 25RB#25 | 21.82 | 25.82 | 36.98 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 50RB#0 | 21.84 | 25.84 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 1RB#24 | 22.46 | 26.46 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 1RB#0 | 22.54 | 26.54 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 1RB#49 | 22.52 | 26.52 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 25RB#0 | 21.32 | 25.32 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 25RB#12 | 21.33 | 25.33 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 25RB#25 | 21.33 | 25.33 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 50RB#0 | 21.40 | 25.4 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 1RB#49 | 22.50 | 26.5 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 1RB#0 | 22.54 | 26.54 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 1RB#24 | 22.43 | 26.43 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 25RB#25 | 21.27 | 25.27 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 25RB#12 | 21.31 | 25.31 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 25RB#0 | 21.36 | 25.36 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 50RB#0 | 21.37 | 25.37 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 1RB#49 | 22.53 | 26.53 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 1RB#0 | 22.56 | 26.56 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 1RB#24 | 22.47 | 26.47 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 25RB#0 | 21.26 | 25.26 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 25RB#25 | 21.27 | 25.27 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 25RB#12 | 21.25 | 25.25 | 36.98 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 50RB#0 | 21.31 | 25.31 | 36.98 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 15MHz | QPSK | 133197 | 1RB#0 | 23.40 | 27.4 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 1RB#38 | 23.36 | 27.36 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 1RB#74 | 23.43 | 27.43 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 36RB#0 | 22.53 | 26.53 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 36RB#39 | 22.49 | 26.49 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 36RB#18 | 22.55 | 26.55 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 75RB#0 | 22.58 | 26.58 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 1RB#74 | 23.40 | 27.4 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 1RB#38 | 23.37 | 27.37 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 1RB#0 | 23.39 | 27.39 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 36RB#0 | 22.53 | 26.53 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 36RB#39 | 22.42 | 26.42 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 36RB#18 | 22.53 | 26.53 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 75RB#0 | 22.46 | 26.46 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 1RB#38 | 23.32 | 27.32 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 1RB#74 | 23.51 | 27.51 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 1RB#0 | 23.37 | 27.37 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 36RB#0 | 22.47 | 26.47 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 36RB#18 | 22.44 | 26.44 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 36RB#39 | 22.39 | 26.39 | 36.98 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 75RB#0 | 22.44 | 26.44 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 1RB#38 | 22.92 | 26.92 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 1RB#0 | 23.11 | 27.11 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 1RB#74 | 23.00 | 27 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 36RB#39 | 21.97 | 25.97 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 36RB#18 | 21.95 | 25.95 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 36RB#0 | 21.95 | 25.95 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 75RB#0 | 21.94 | 25.94 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 1RB#0 | 23.13 | 27.13 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 1RB#38 | 22.94 | 26.94 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 1RB#74 | 22.91 | 26.91 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 36RB#18 | 21.94 | 25.94 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 36RB#39 | 21.88 | 25.88 | 36.98 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 15MHz | 64QAM | 133297 | 36RB#0 | 21.98 | 25.98 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 75RB#0 | 21.92 | 25.92 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 1RB#0 | 22.97 | 26.97 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 1RB#38 | 22.98 | 26.98 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 1RB#74 | 22.99 | 26.99 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 36RB#0 | 21.90 | 25.9 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 36RB#18 | 21.90 | 25.9 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 36RB#39 | 21.96 | 25.96 | 36.98 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 75RB#0 | 21.91 | 25.91 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 1RB#0 | 22.60 | 26.6 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 1RB#38 | 22.66 | 26.66 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 1RB#74 | 22.72 | 26.72 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 36RB#0 | 21.56 | 25.56 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 36RB#18 | 21.54 | 25.54 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 36RB#39 | 21.49 | 25.49 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 75RB#0 | 21.53 | 25.53 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 1RB#38 | 22.75 | 26.75 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 1RB#0 | 22.74 | 26.74 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 1RB#74 | 22.63 | 26.63 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 36RB#39 | 21.49 | 25.49 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 36RB#0 | 21.54 | 25.54 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 36RB#18 | 21.53 | 25.53 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 75RB#0 | 21.53 | 25.53 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 1RB#38 | 22.60 | 26.6 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 1RB#74 | 22.69 | 26.69 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 1RB#0 | 22.67 | 26.67 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 36RB#39 | 21.39 | 25.39 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 36RB#18 | 21.41 | 25.41 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 36RB#0 | 21.43 | 25.43 | 36.98 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 75RB#0 | 21.43 | 25.43 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 1RB#0 | 23.42 | 27.42 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 1RB#49 | 23.36 | 27.36 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 1RB#99 | 23.46 | 27.46 | 36.98 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 20MHz | QPSK | 133222 | 50RB#50 | 22.58 | 26.58 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 50RB#0 | 22.59 | 26.59 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 50RB#25 | 22.57 | 26.57 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | 22.53 | 26.53 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 1RB#99 | 23.39 | 27.39 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 1RB#0 | 23.40 | 27.4 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 1RB#49 | 23.30 | 27.3 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 50RB#25 | 22.51 | 26.51 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 50RB#50 | 22.43 | 26.43 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 50RB#0 | 22.57 | 26.57 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | 22.50 | 26.5 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 1RB#99 | 23.38 | 27.38 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 1RB#49 | 23.25 | 27.25 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 1RB#0 | 23.45 | 27.45 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 50RB#25 | 22.50 | 26.5 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 50RB#0 | 22.43 | 26.43 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 50RB#50 | 22.42 | 26.42 | 36.98 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | 22.46 | 26.46 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 1RB#0 | 23.12 | 27.12 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 1RB#49 | 22.91 | 26.91 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 1RB#99 | 22.89 | 26.89 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 50RB#50 | 21.92 | 25.92 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 50RB#25 | 21.96 | 25.96 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 50RB#0 | 21.96 | 25.96 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | 21.99 | 25.99 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 1RB#0 | 23.07 | 27.07 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 1RB#99 | 22.90 | 26.9 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 1RB#49 | 22.91 | 26.91 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 50RB#50 | 21.94 | 25.94 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 50RB#0 | 21.94 | 25.94 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 50RB#25 | 21.95 | 25.95 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | 21.92 | 25.92 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 1RB#0 | 23.11 | 27.11 | 36.98 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band71 | 20MHz | 64QAM | 133372 | 1RB#49 | 22.86 | 26.86 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 1RB#99 | 22.95 | 26.95 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 50RB#50 | 21.92 | 25.92 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 50RB#0 | 21.86 | 25.86 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 50RB#25 | 21.92 | 25.92 | 36.98 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | 21.88 | 25.88 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 1RB#99 | 22.70 | 26.7 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 1RB#0 | 22.76 | 26.76 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 1RB#49 | 22.62 | 26.62 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 50RB#0 | 21.54 | 25.54 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 50RB#25 | 21.53 | 25.53 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 50RB#50 | 21.61 | 25.61 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | 21.52 | 25.52 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 1RB#0 | 22.73 | 26.73 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 1RB#49 | 22.60 | 26.6 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 1RB#99 | 22.59 | 26.59 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 50RB#25 | 21.51 | 25.51 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 50RB#0 | 21.54 | 25.54 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 50RB#50 | 21.46 | 25.46 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | 21.50 | 25.5 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 1RB#0 | 22.70 | 26.7 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 1RB#49 | 22.52 | 26.52 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 1RB#99 | 22.65 | 26.65 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 50RB#0 | 21.43 | 25.43 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 50RB#25 | 21.47 | 25.47 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 50RB#50 | 21.46 | 25.46 | 36.98 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 100RB#0 | 21.46 | 25.46 | 36.98 | 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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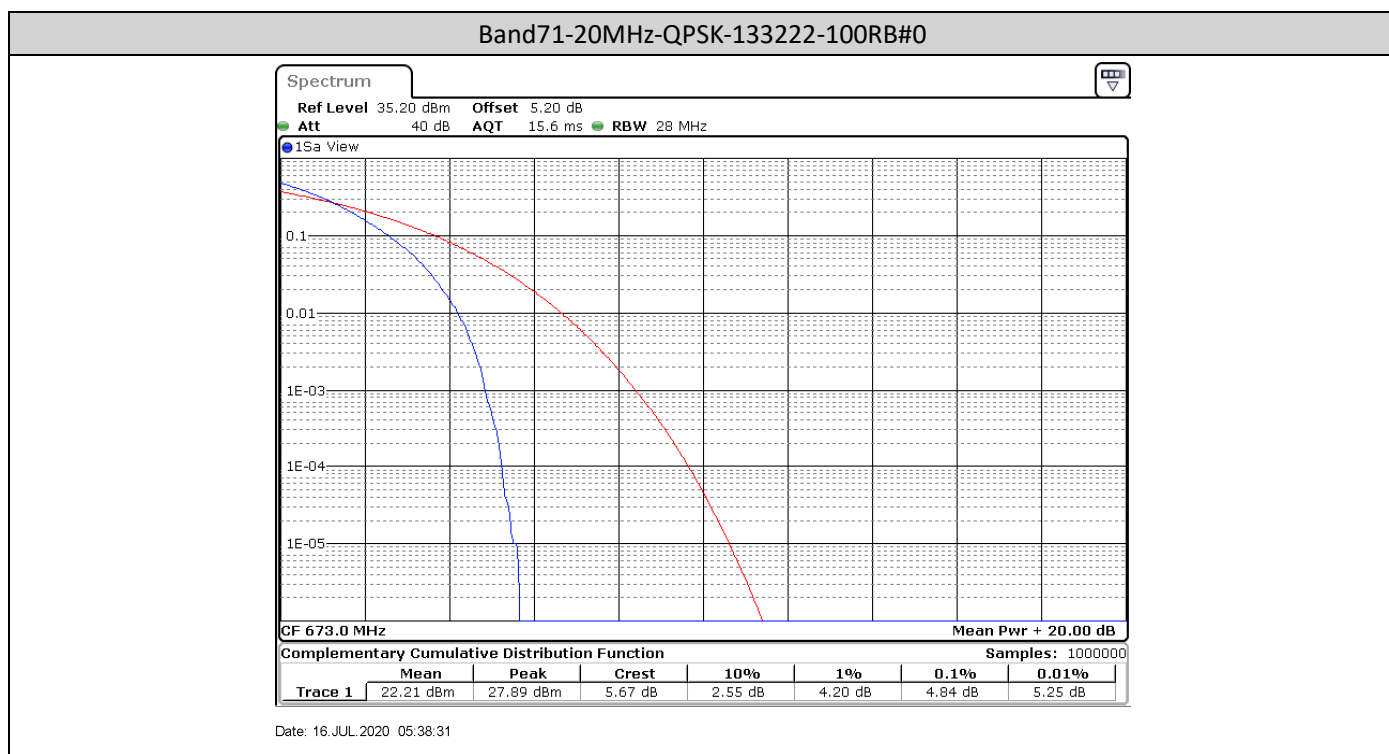


2. Peak-to-Average Ratio (CCDF)

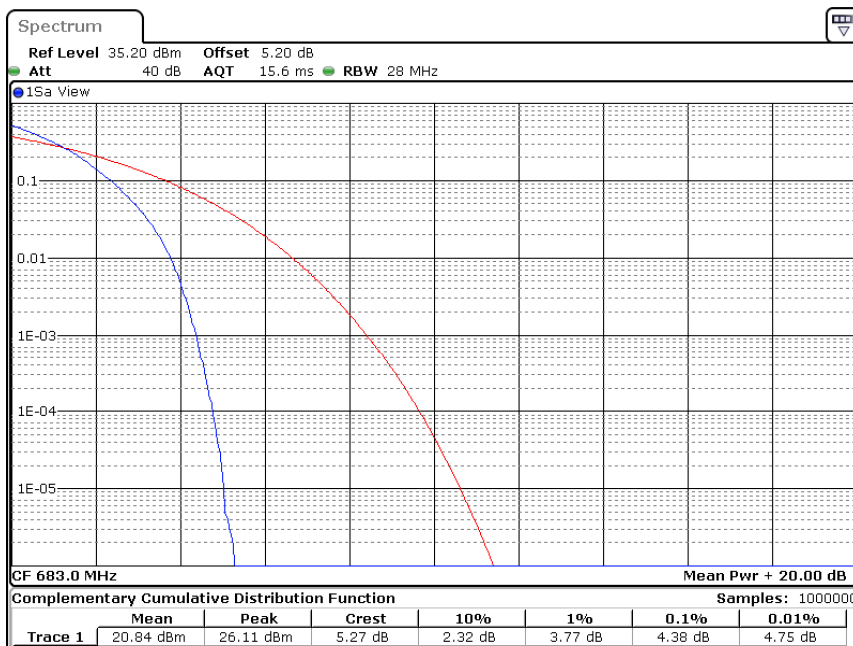
2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | 4.84 | 13 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | 4.38 | 13 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | 4.72 | 13 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | 6.23 | 13 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | 6.06 | 13 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | 6.14 | 13 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | 5.65 | 13 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | 5.30 | 13 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 100RB#0 | 5.57 | 13 | PASS |

2.2. Test Plots

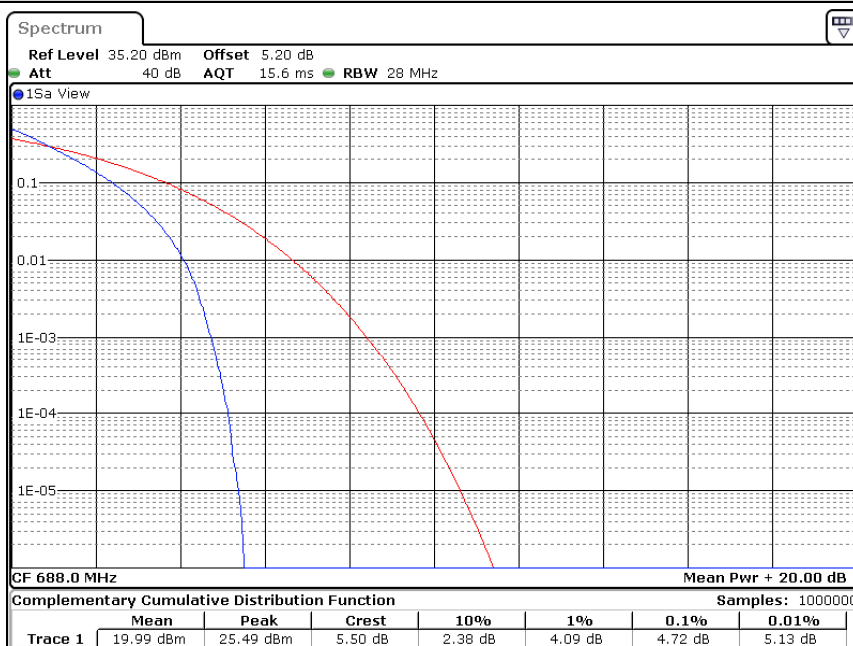


Band71-20MHz-QPSK-133322-100RB#0



Date: 16 JUL 2020 05:38:54

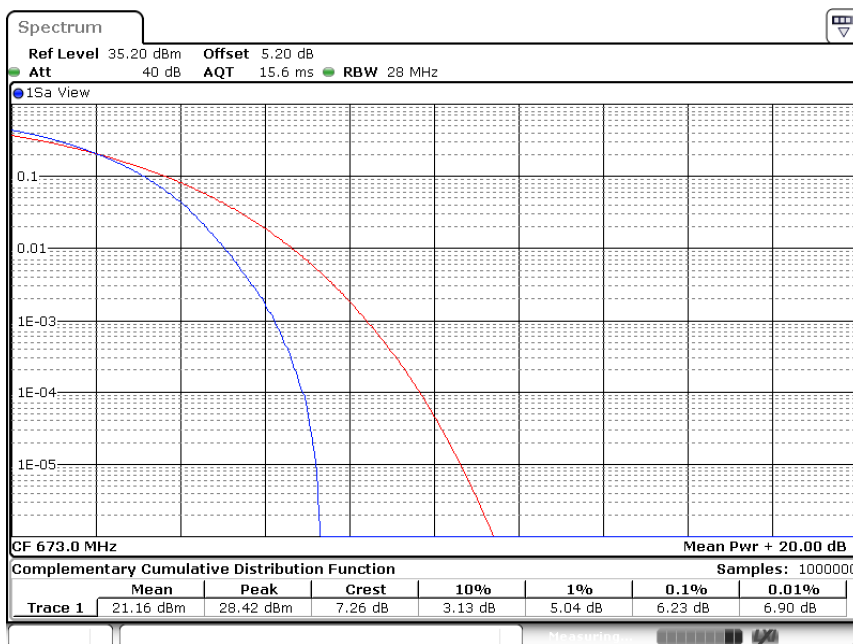
Band71-20MHz-QPSK-133372-100RB#0



Date: 16 JUL 2020 05:39:17

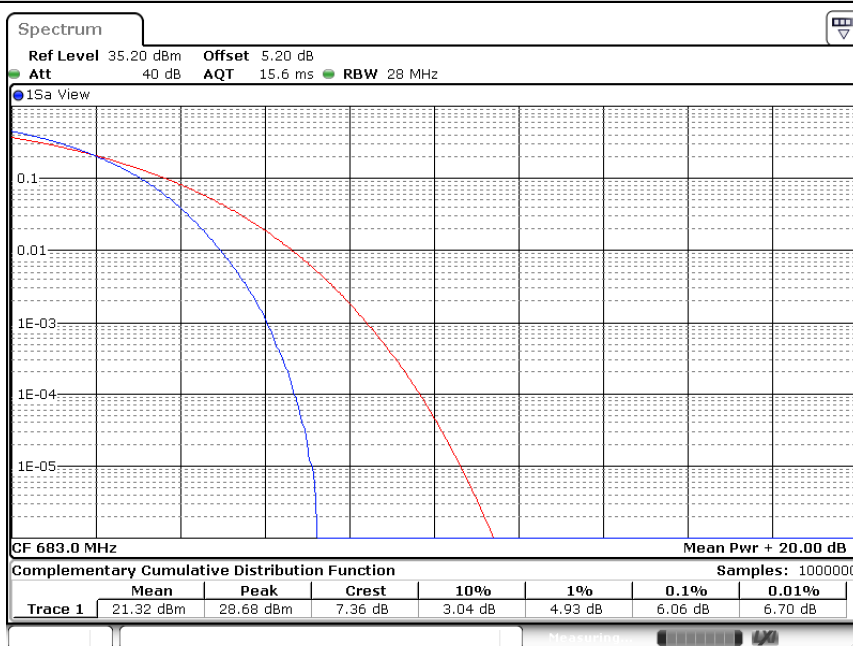


Band71-20MHz-64QAM-133222-100RB#0



Date: 12.AUG.2020 13:25:06

Band71-20MHz-64QAM-133322-100RB#0

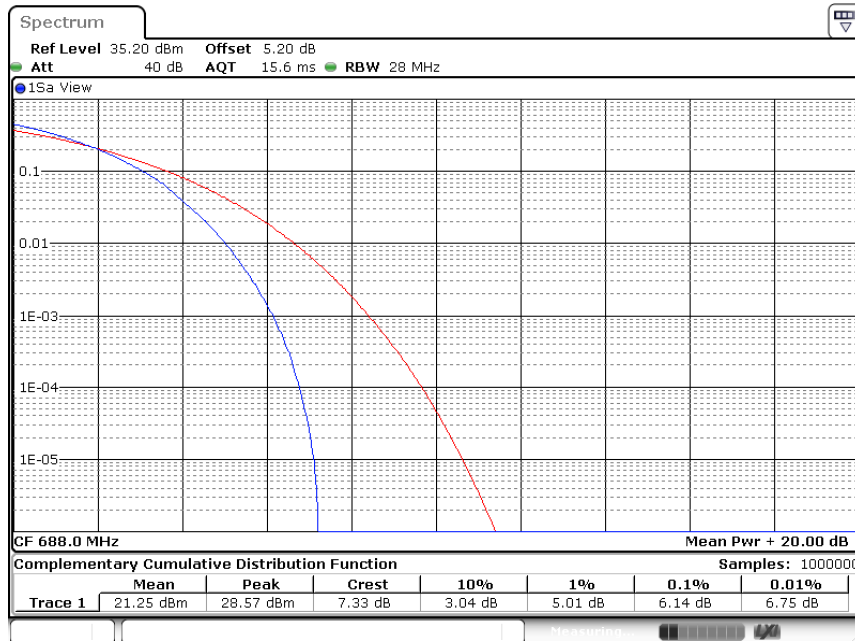


Date: 12.AUG.2020 13:25:17



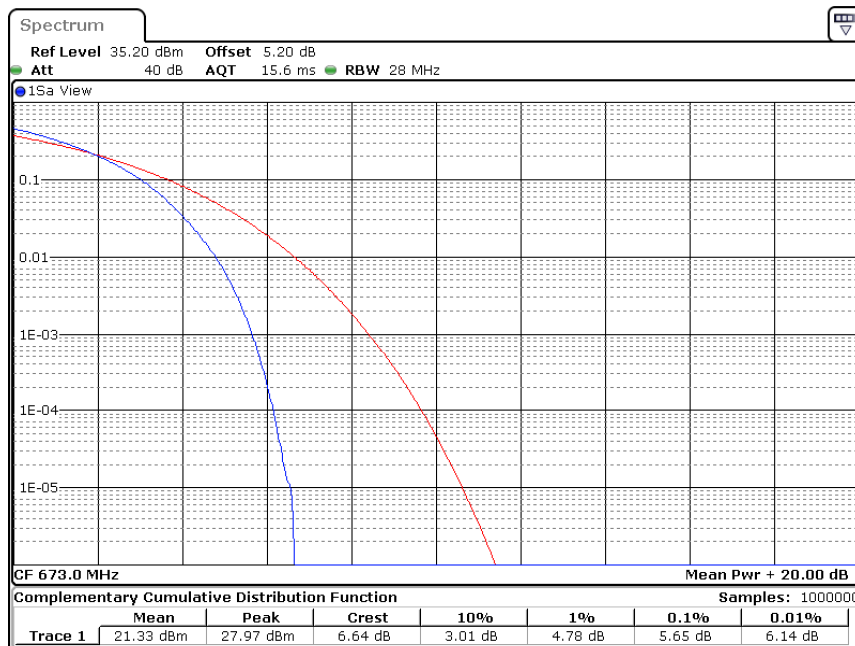


Band71-20MHz-64QAM-133372-100RB#0



Date: 12.AUG.2020 13:25:29

Band71-20MHz-16QAM-133222-100RB#0



Date: 16.JUL.2020 05:38:42



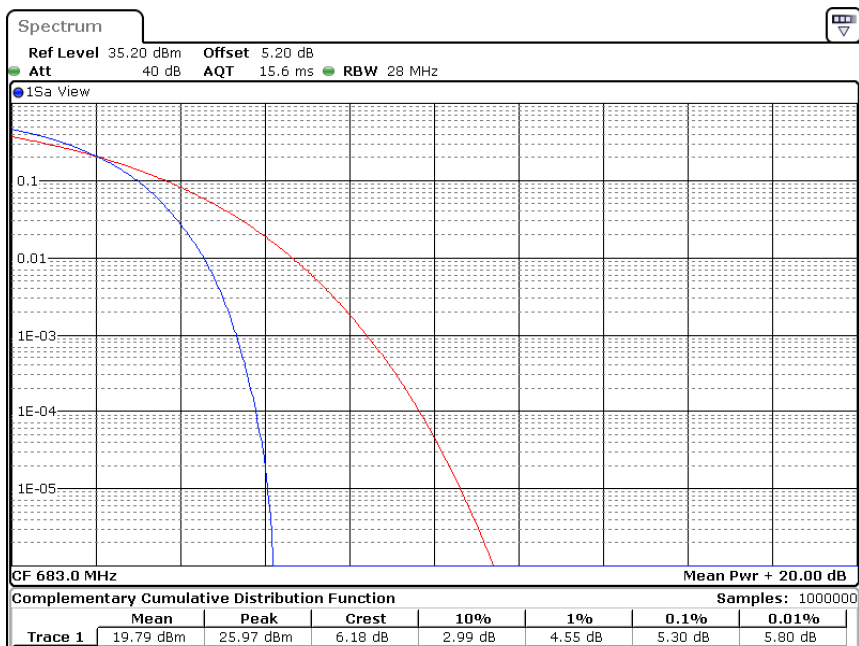
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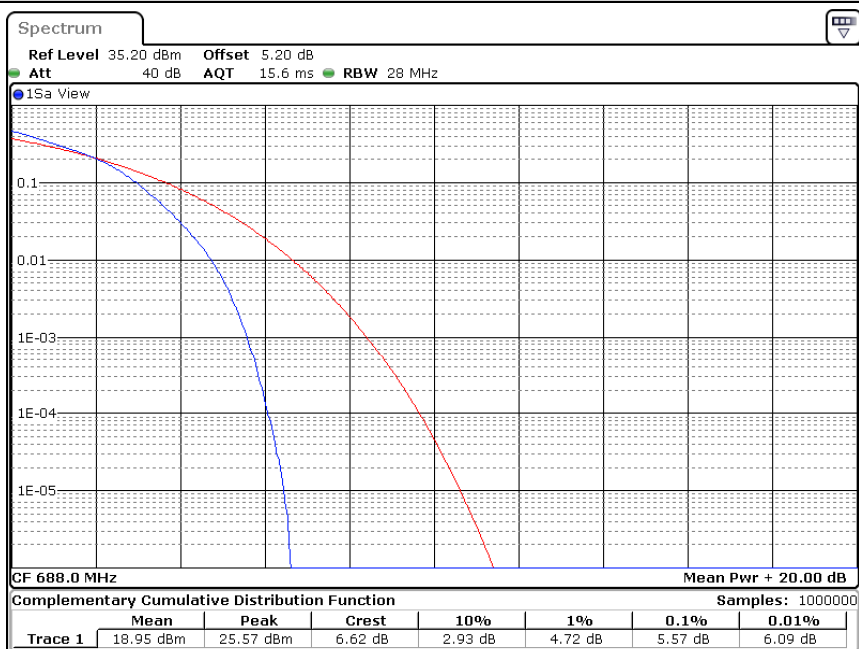
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Band71-20MHz-16QAM-133322-100RB#0



Date: 16 JUL 2020 05:39:05

Band71-20MHz-16QAM-133372-100RB#0



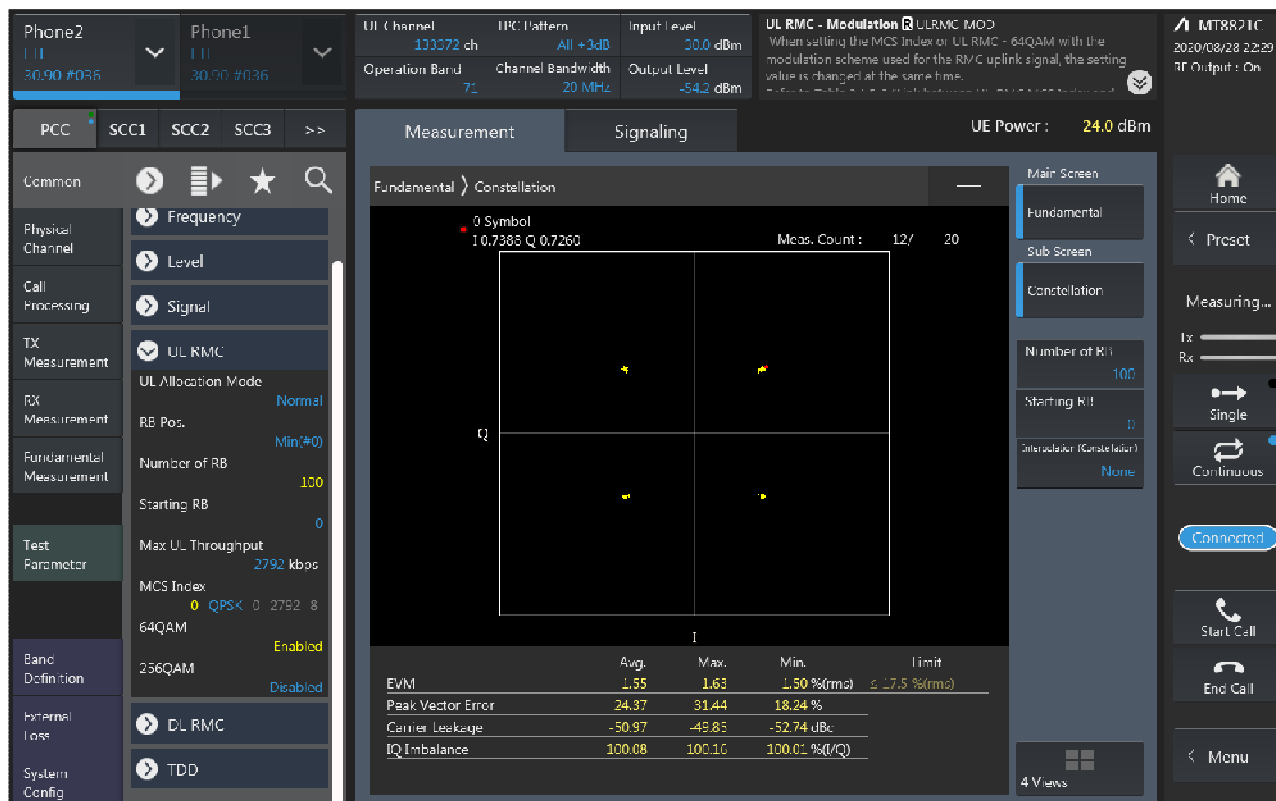
Date: 16 JUL 2020 05:39:28



3. Modulation Characteristics

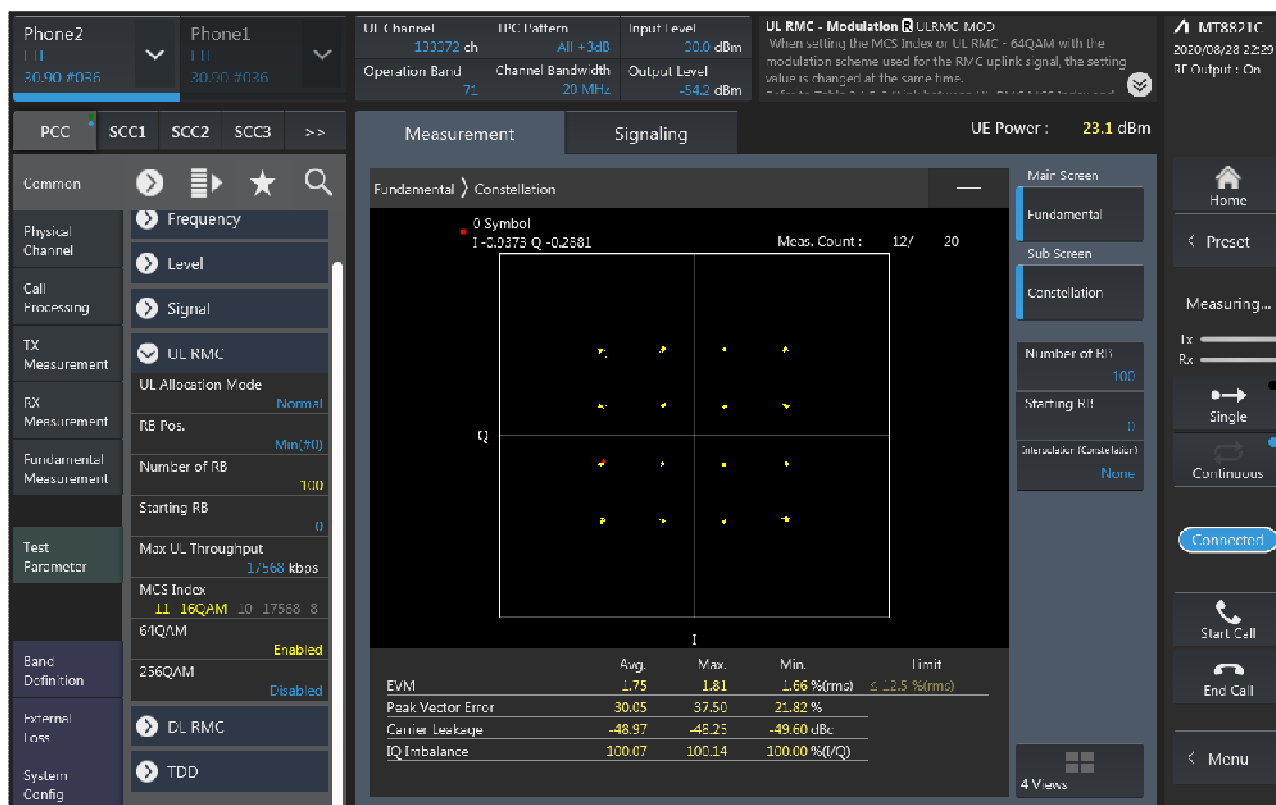
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

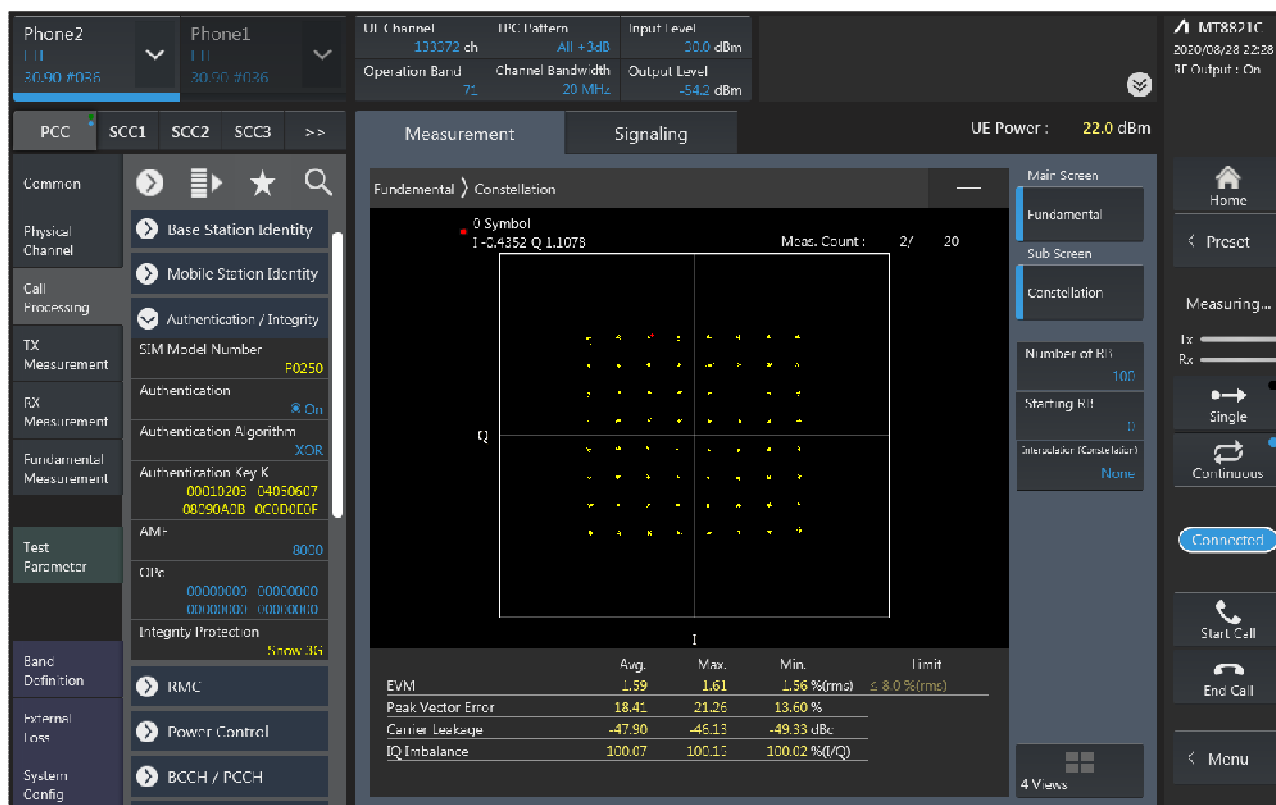


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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band71 | 5MHz | QPSK | 133147 | 25RB#0 | 4.466 | 4.880 | PASS |
| Band71 | 5MHz | QPSK | 133297 | 25RB#0 | 4.466 | 4.880 | PASS |
| Band71 | 5MHz | QPSK | 133447 | 25RB#0 | 4.466 | 4.890 | PASS |
| Band71 | 5MHz | 64QAM | 133147 | 25RB#0 | 4.466 | 4.870 | PASS |
| Band71 | 5MHz | 64QAM | 133297 | 25RB#0 | 4.466 | 4.880 | PASS |
| Band71 | 5MHz | 64QAM | 133447 | 25RB#0 | 4.466 | 4.870 | PASS |
| Band71 | 5MHz | 16QAM | 133147 | 25RB#0 | 4.476 | 4.920 | PASS |
| Band71 | 5MHz | 16QAM | 133297 | 25RB#0 | 4.486 | 4.940 | PASS |
| Band71 | 5MHz | 16QAM | 133447 | 25RB#0 | 4.486 | 4.940 | PASS |
| Band71 | 10MHz | QPSK | 133172 | 50RB#0 | 8.891 | 9.600 | PASS |
| Band71 | 10MHz | QPSK | 133297 | 50RB#0 | 8.931 | 9.640 | PASS |
| Band71 | 10MHz | QPSK | 133422 | 50RB#0 | 8.951 | 9.680 | PASS |
| Band71 | 10MHz | 64QAM | 133172 | 50RB#0 | 8.891 | 9.560 | PASS |
| Band71 | 10MHz | 64QAM | 133297 | 50RB#0 | 8.911 | 9.600 | PASS |
| Band71 | 10MHz | 64QAM | 133422 | 50RB#0 | 8.951 | 9.680 | PASS |
| Band71 | 10MHz | 16QAM | 133172 | 50RB#0 | 8.891 | 9.620 | PASS |
| Band71 | 10MHz | 16QAM | 133297 | 50RB#0 | 8.911 | 9.680 | PASS |
| Band71 | 10MHz | 16QAM | 133422 | 50RB#0 | 8.951 | 9.700 | PASS |
| Band71 | 15MHz | QPSK | 133197 | 75RB#0 | 13.397 | 14.640 | PASS |
| Band71 | 15MHz | QPSK | 133297 | 75RB#0 | 13.337 | 14.580 | PASS |
| Band71 | 15MHz | QPSK | 133397 | 75RB#0 | 13.516 | 14.700 | PASS |
| Band71 | 15MHz | 64QAM | 133197 | 75RB#0 | 13.367 | 14.880 | PASS |
| Band71 | 15MHz | 64QAM | 133297 | 75RB#0 | 13.337 | 14.700 | PASS |
| Band71 | 15MHz | 64QAM | 133397 | 75RB#0 | 13.457 | 16.410 | PASS |
| Band71 | 15MHz | 16QAM | 133197 | 75RB#0 | 13.397 | 14.970 | PASS |
| Band71 | 15MHz | 16QAM | 133297 | 75RB#0 | 13.397 | 15.000 | PASS |
| Band71 | 15MHz | 16QAM | 133397 | 75RB#0 | 13.516 | 14.850 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | 17.862 | 19.400 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | 17.782 | 19.360 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | 17.942 | 19.400 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | 17.862 | 19.480 | PASS |



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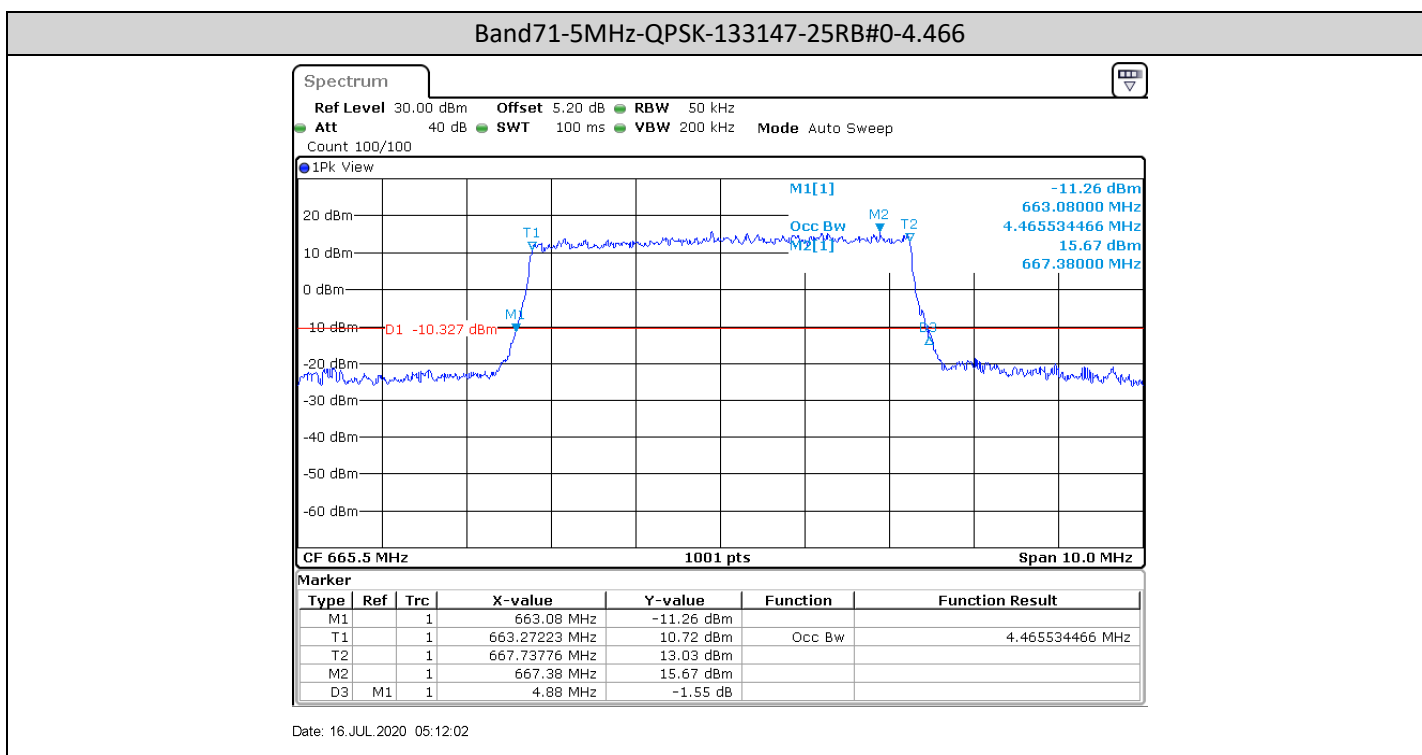
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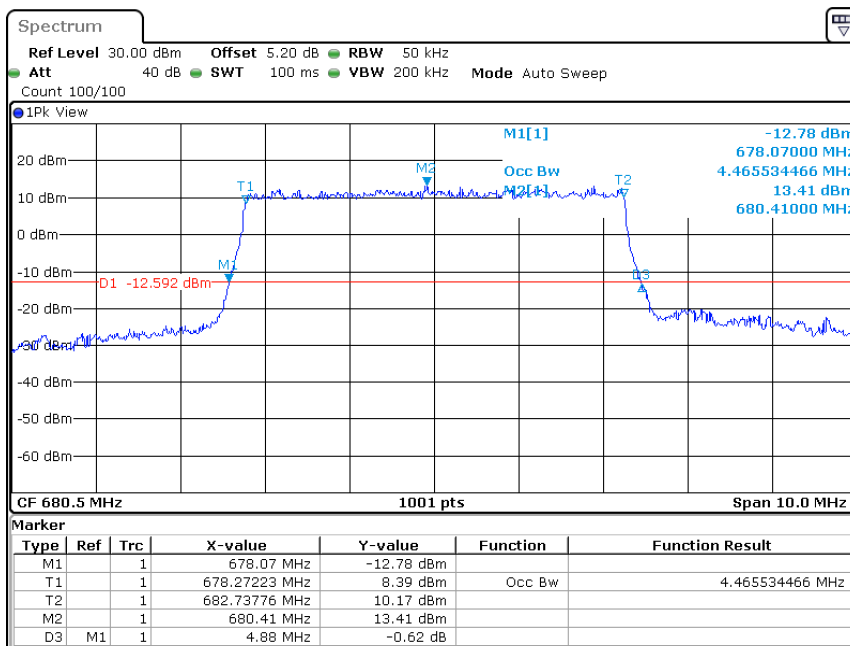
| | | | | | | | |
|--------|-------|-------|--------|---------|--------|--------|------|
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | 17.822 | 20.040 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | 17.942 | 20.160 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | 17.822 | 19.160 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | 17.822 | 19.320 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 100RB#0 | 17.942 | 19.320 | PASS |

4.2. Test Plots



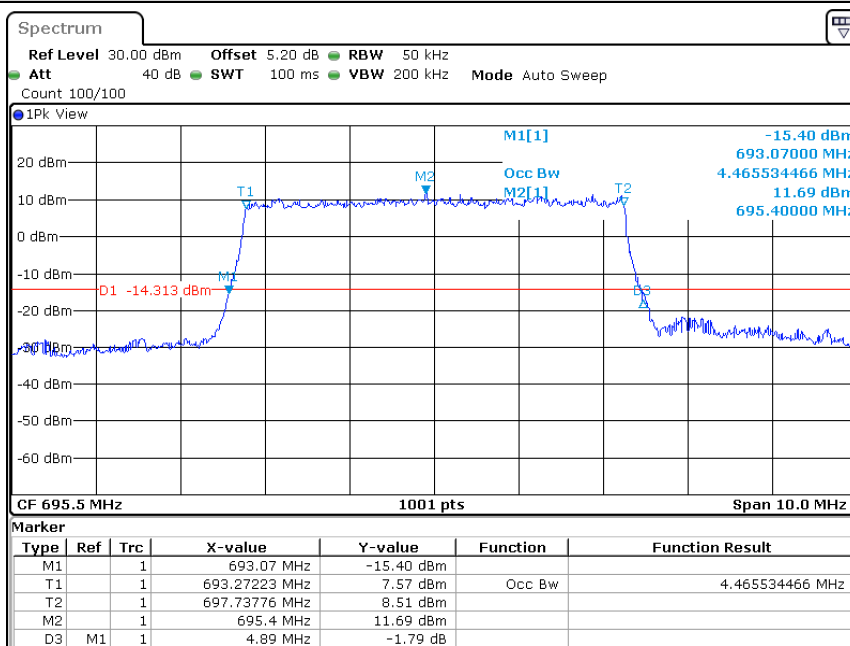


Band71-5MHz-QPSK-133297-25RB#0-4.466



Date: 16 JUL 2020 05:12:42

Band71-5MHz-QPSK-133447-25RB#0-4.466



Date: 16 JUL 2020 05:13:22



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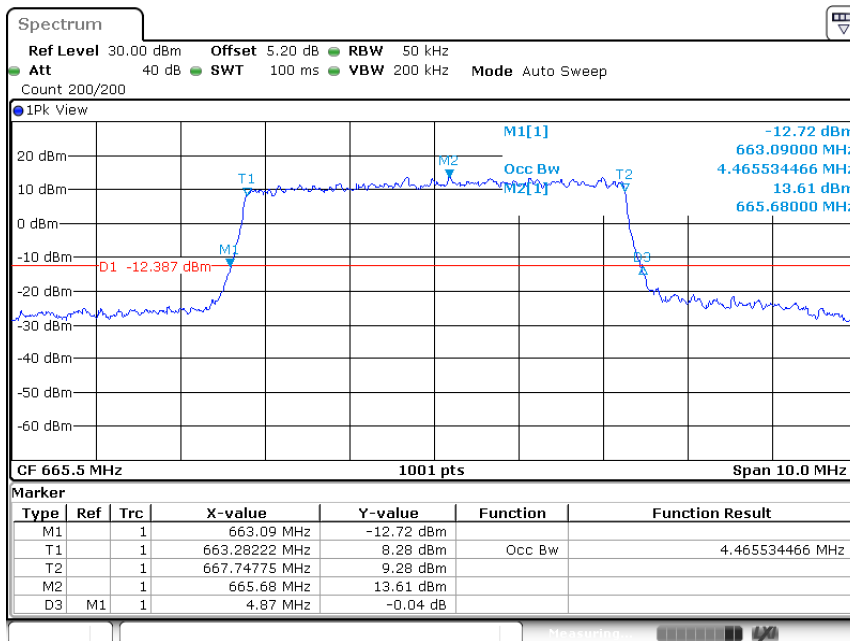
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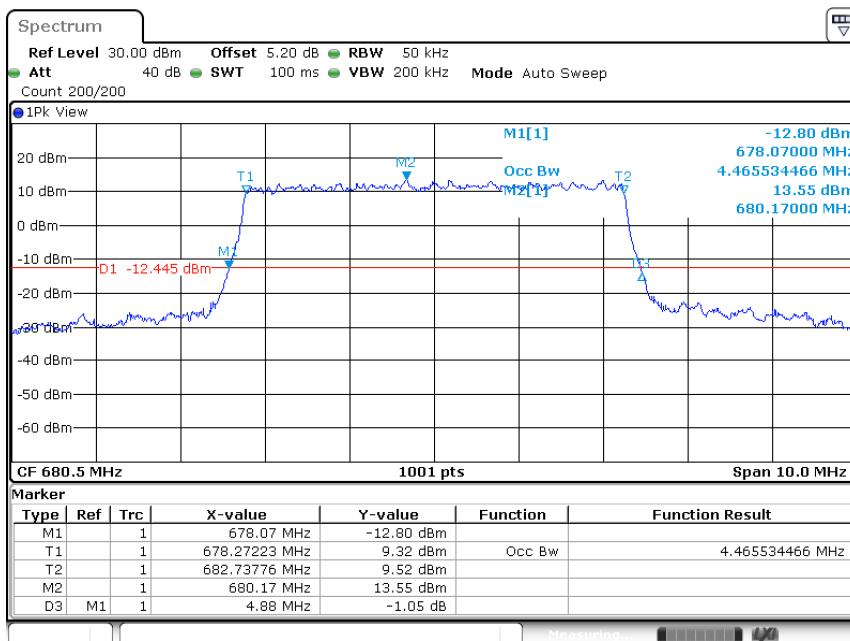


Band71-5MHz-64QAM-133147-25RB#0-4.466



Date: 12.AUG.2020 13:07:34

Band71-5MHz-64QAM-133297-25RB#0-4.466



Date: 12.AUG.2020 13:08:08



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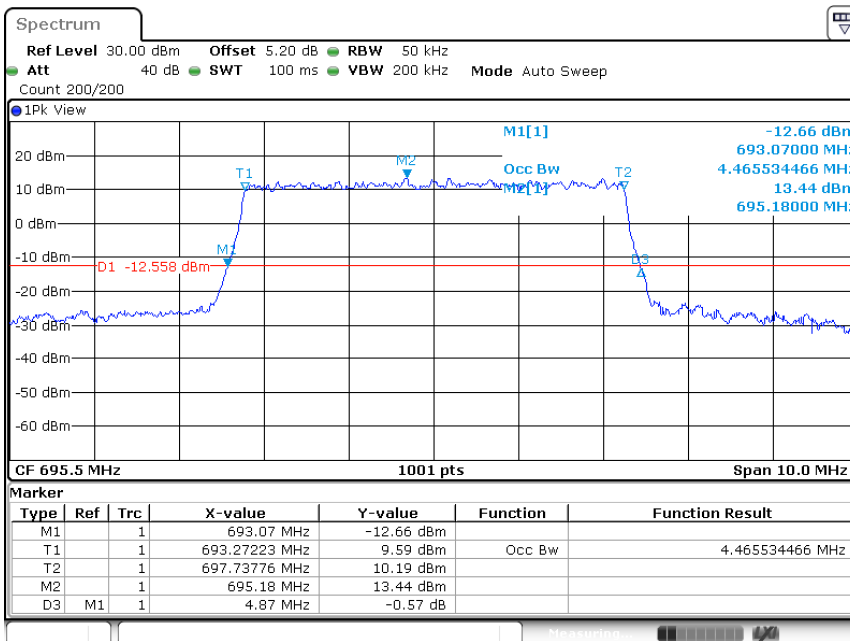
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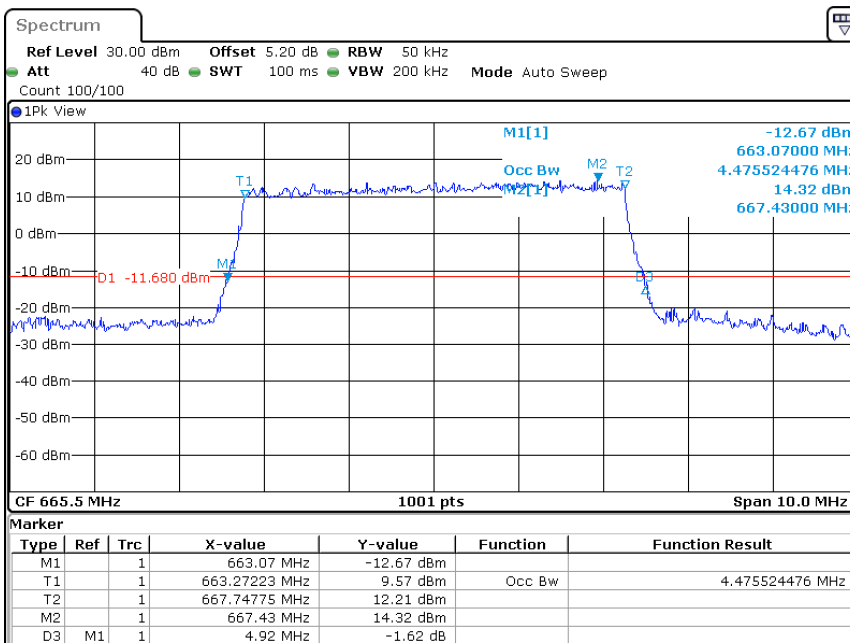


Band71-5MHz-64QAM-133447-25RB#0-4.466



Date: 12.AUG.2020 13:08:41

Band71-5MHz-16QAM-133147-25RB#0-4.476



Date: 16.JUL.2020 05:12:22



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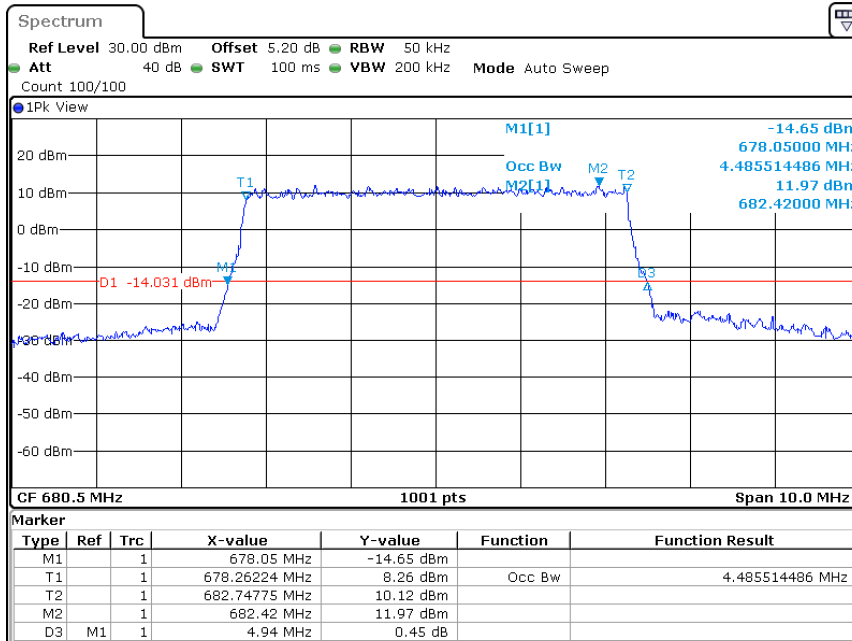
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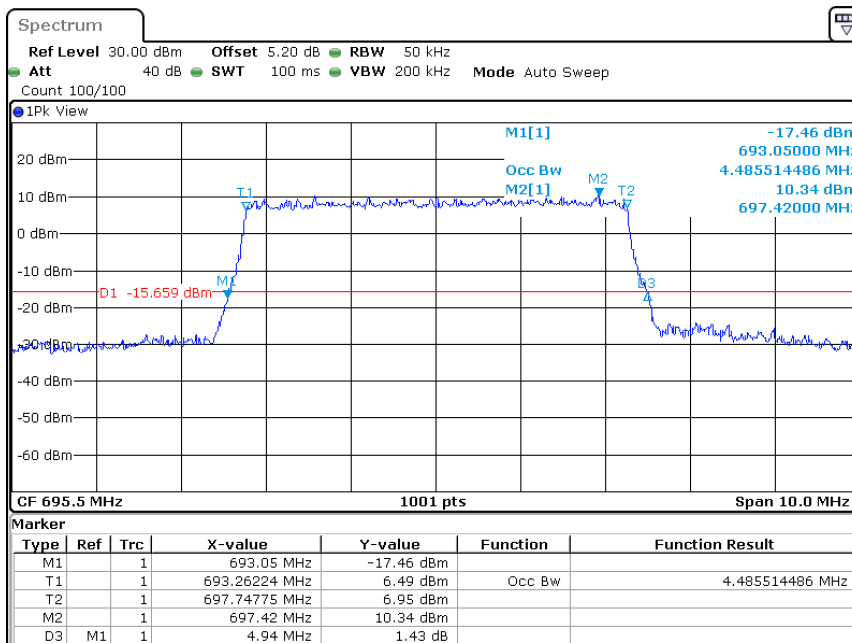


Band71-5MHz-16QAM-133297-25RB#0-4.486



Date: 16 JUL 2020 05:13:02

Band71-5MHz-16QAM-133447-25RB#0-4.486

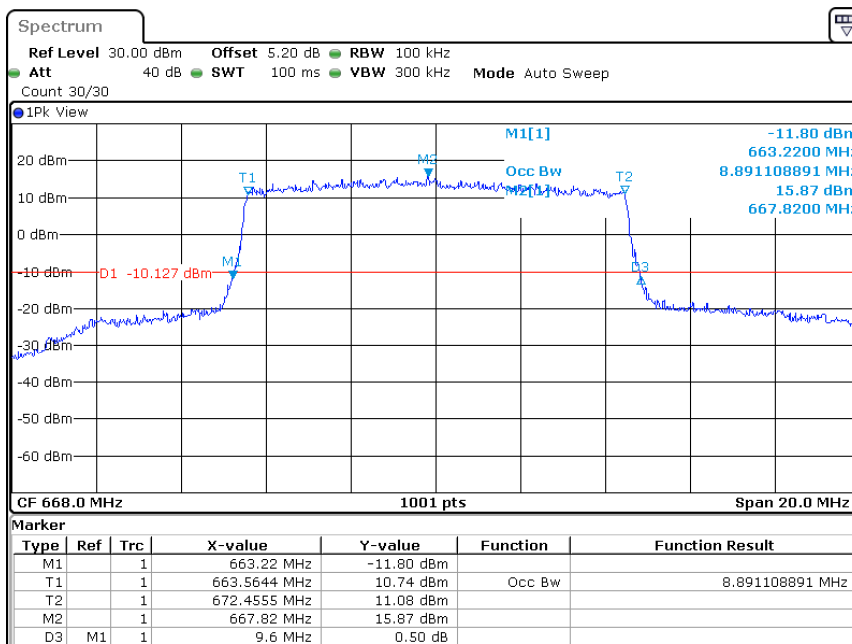


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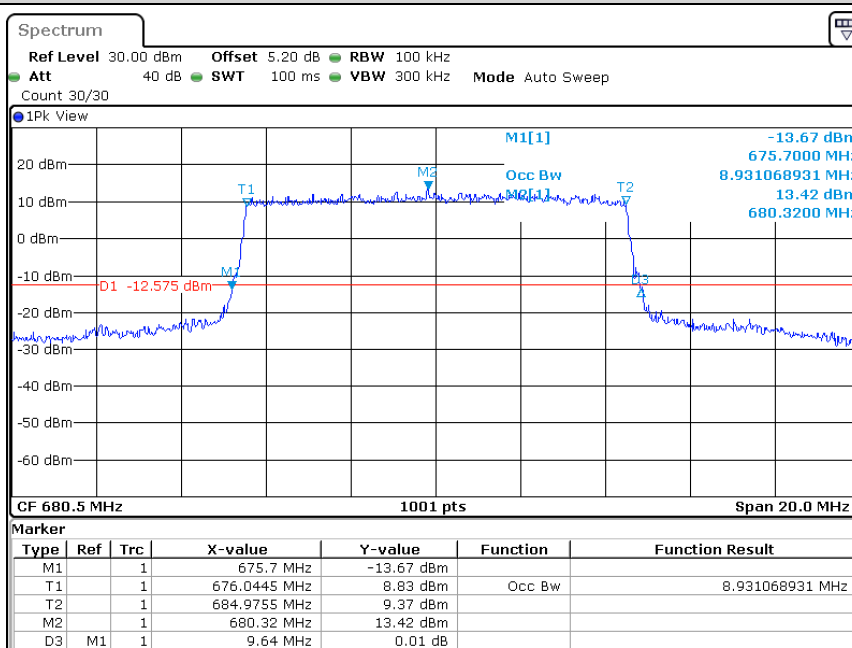


Band71-10MHz-QPSK-133172-50RB#0-8.891



Date: 16 JUL 2020 05:14:00

Band71-10MHz-QPSK-133297-50RB#0-8.931



Date: 16 JUL 2020 05:14:26



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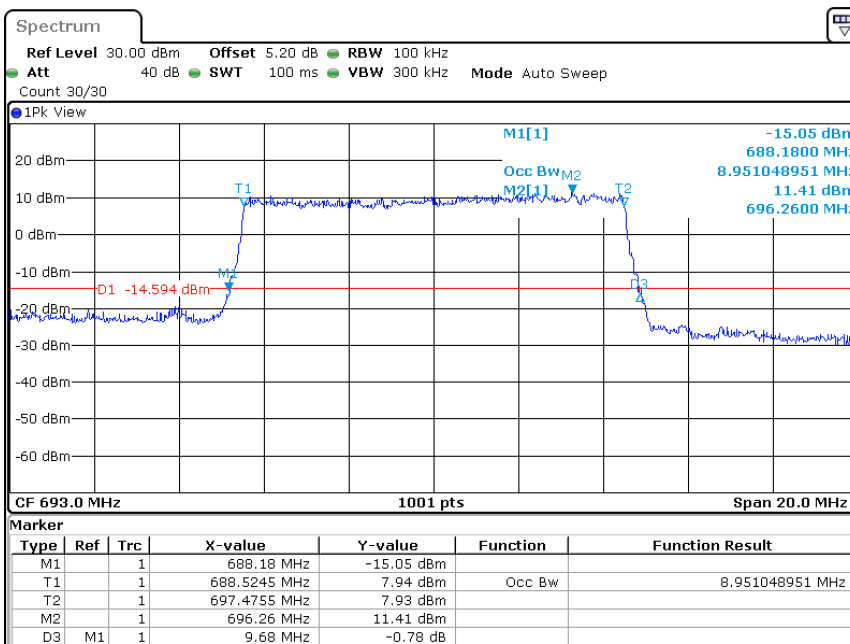
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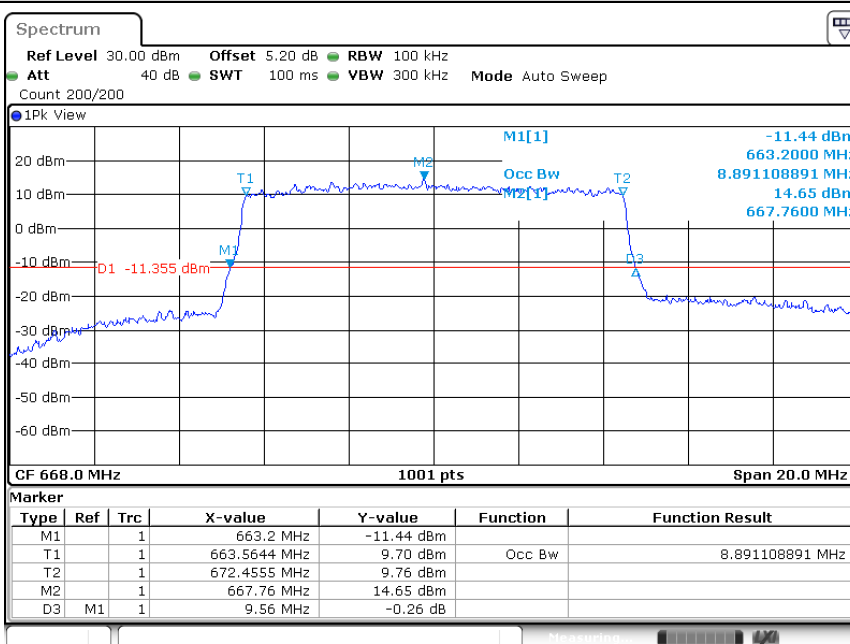


Band71-10MHz-QPSK-133422-50RB#0-8.951



Date: 16 JUL 2020 05:14:51

Band71-10MHz-64QAM-133172-50RB#0-8.891



Date: 12 AUG 2020 13:09:20



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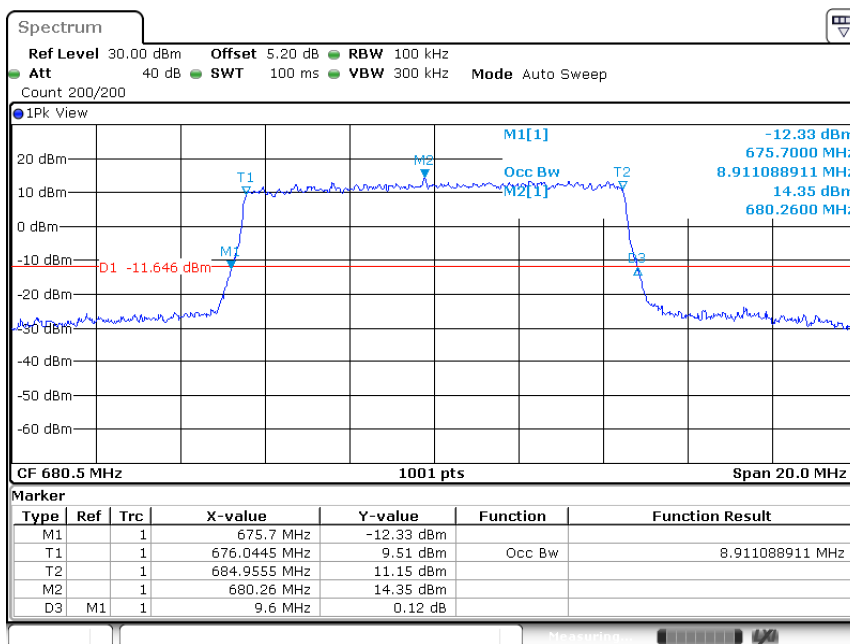
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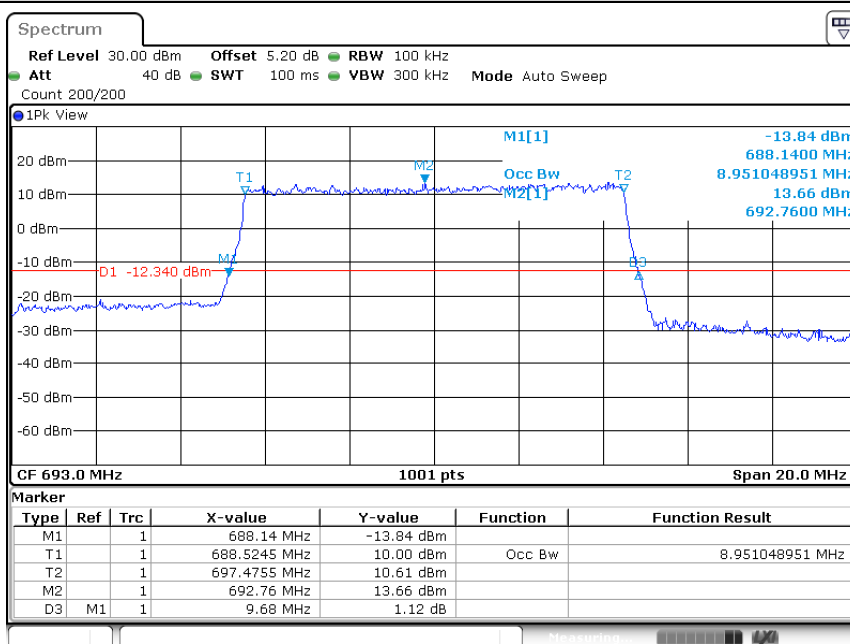


Band71-10MHz-64QAM-133297-50RB#0-8.911



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Band71-10MHz-64QAM-133422-50RB#0-8.951



Date: 12.AUG.2020 13:10:27



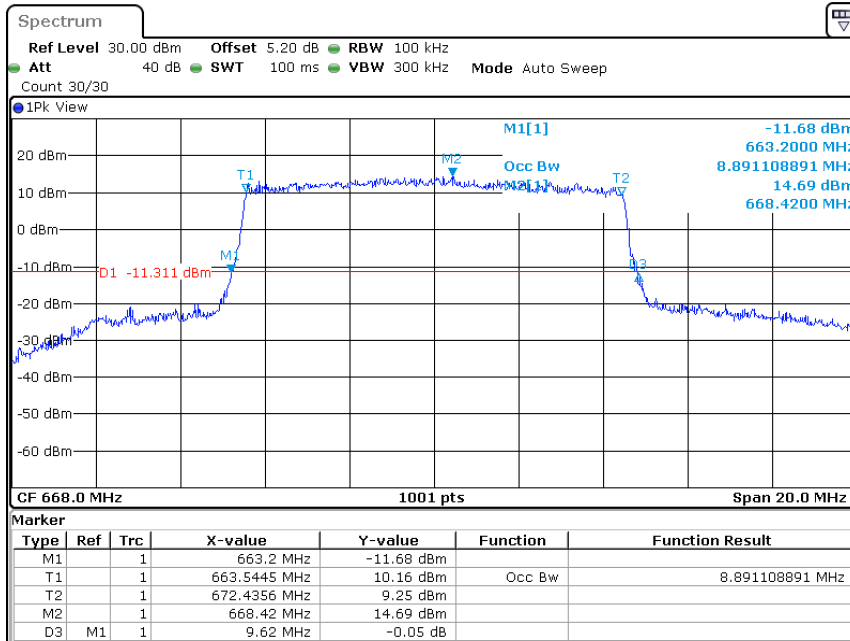
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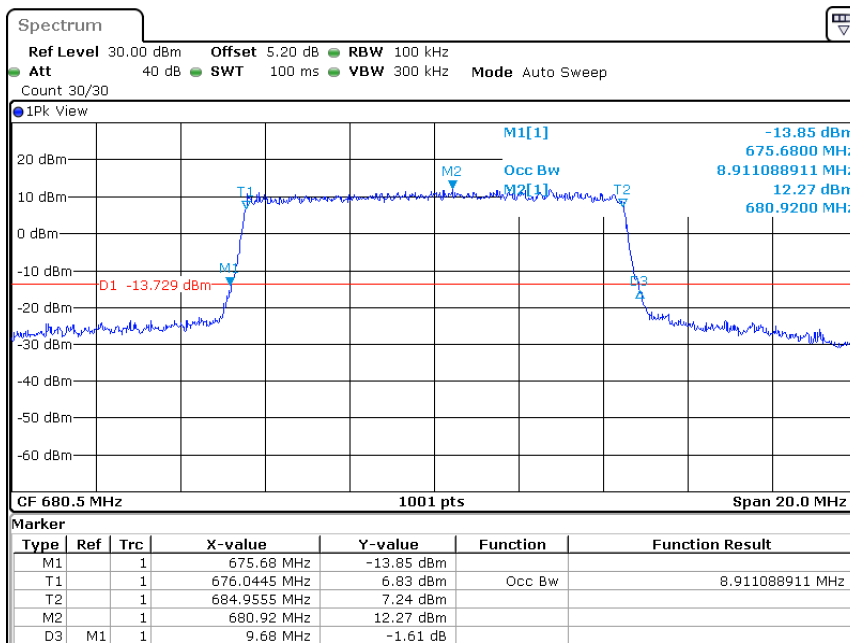


Band71-10MHz-16QAM-133172-50RB#0-8.891



Date: 16 JUL 2020 05:14:13

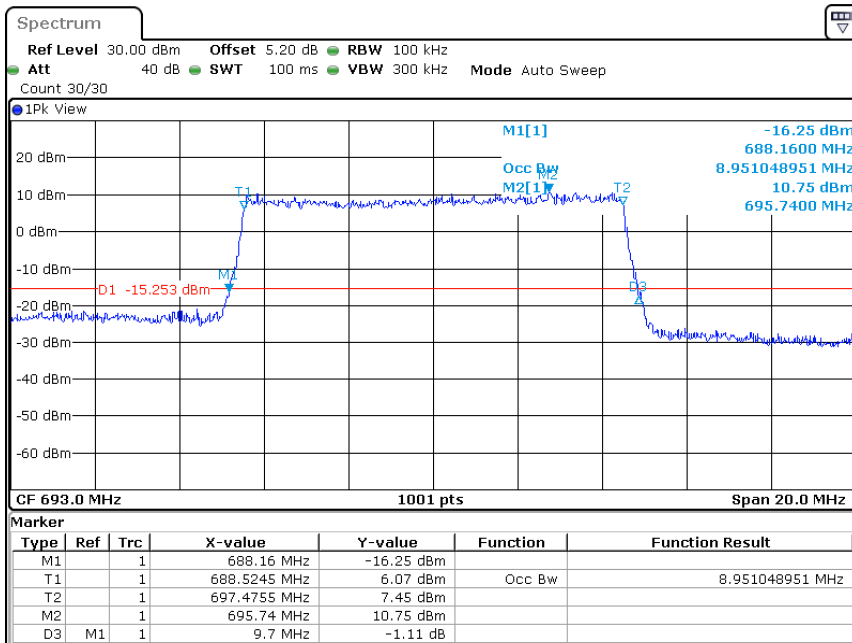
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Date: 16 JUL 2020 05:14:38

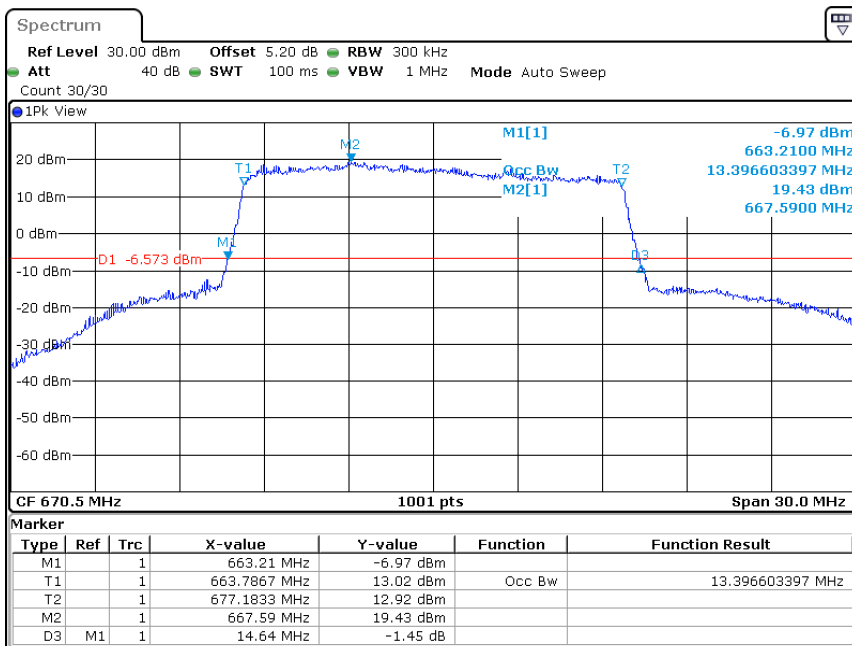


Band71-10MHz-16QAM-133422-50RB#0-8.951



Date: 16 JUL 2020 05:15:04

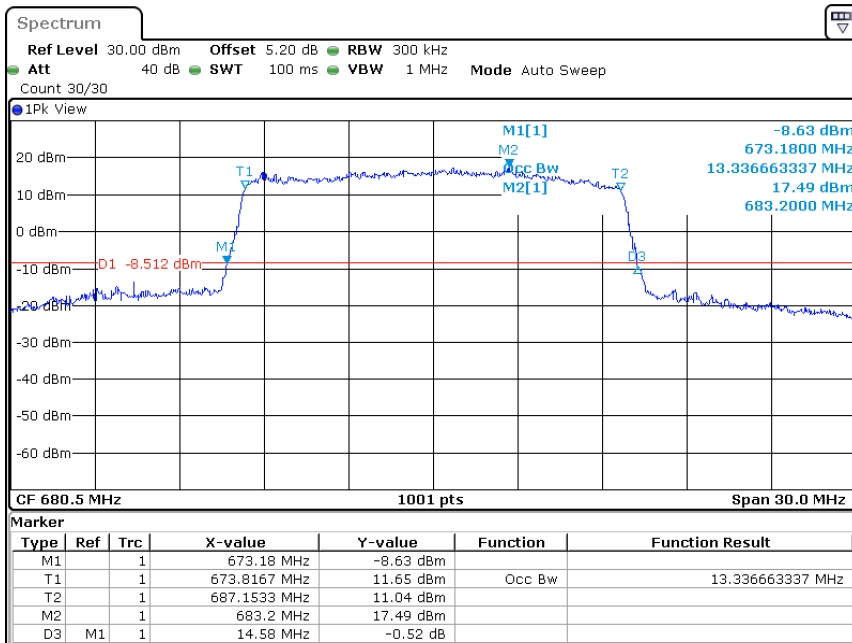
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Date: 16 JUL 2020 05:15:22

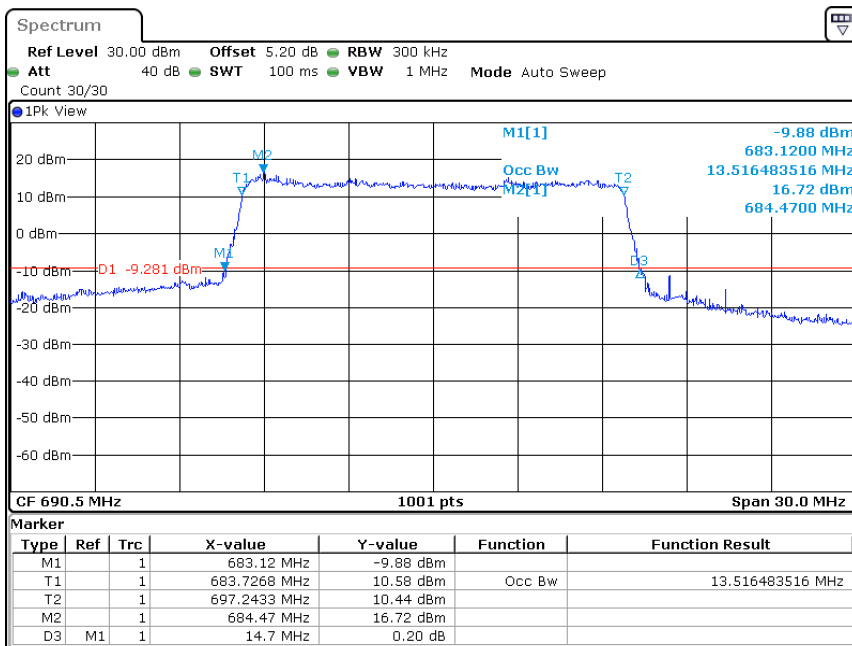


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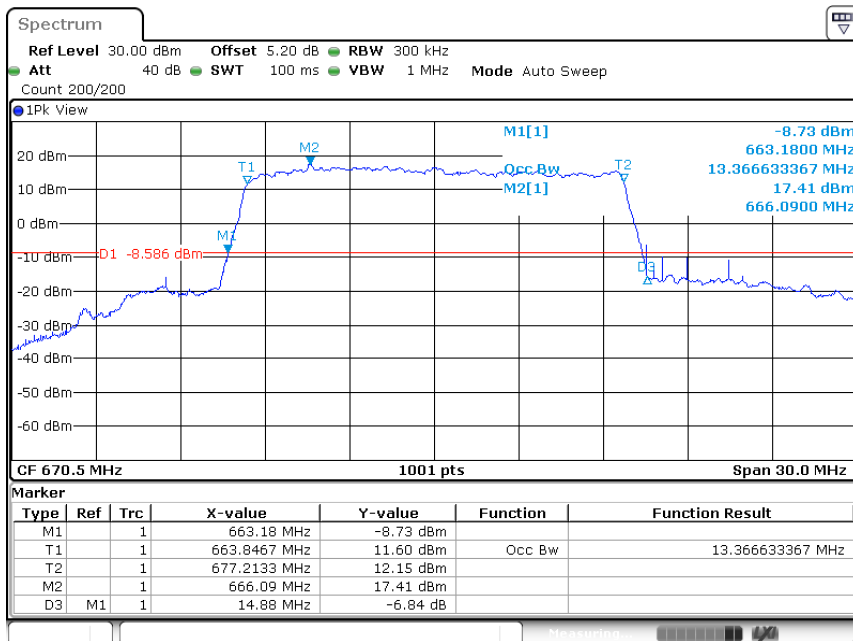
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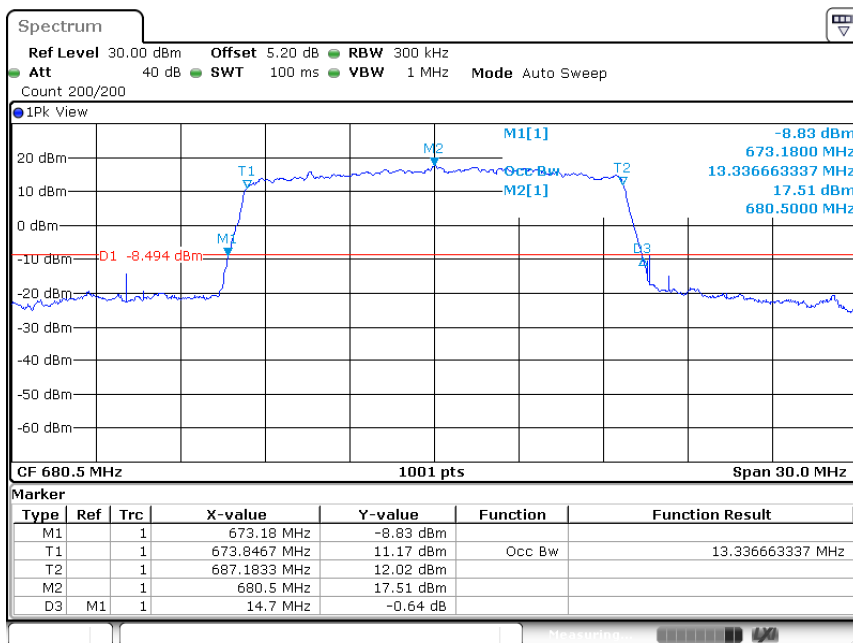


Band71-15MHz-64QAM-133197-75RB#0-13.367



Date: 12.AUG.2020 13:11:06

Band71-15MHz-64QAM-133297-75RB#0-13.337

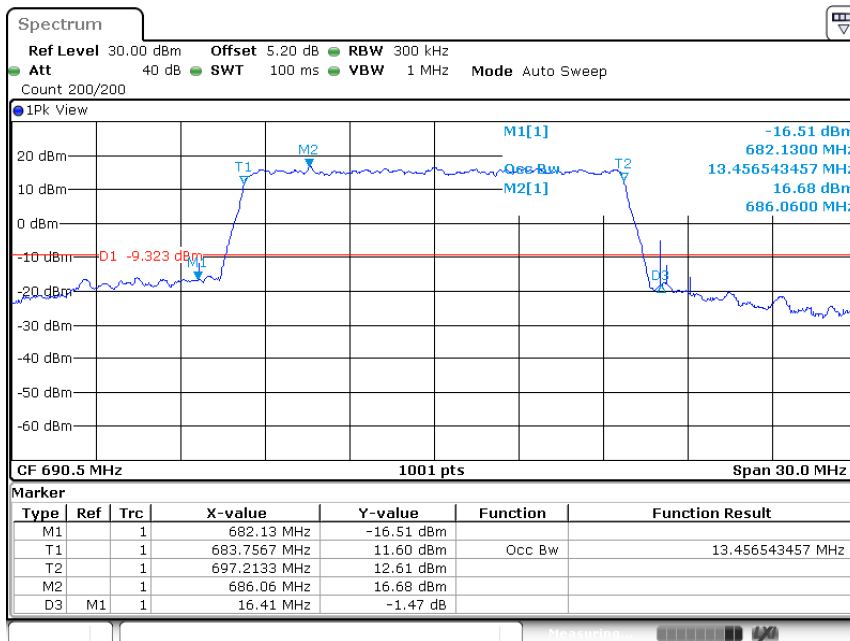


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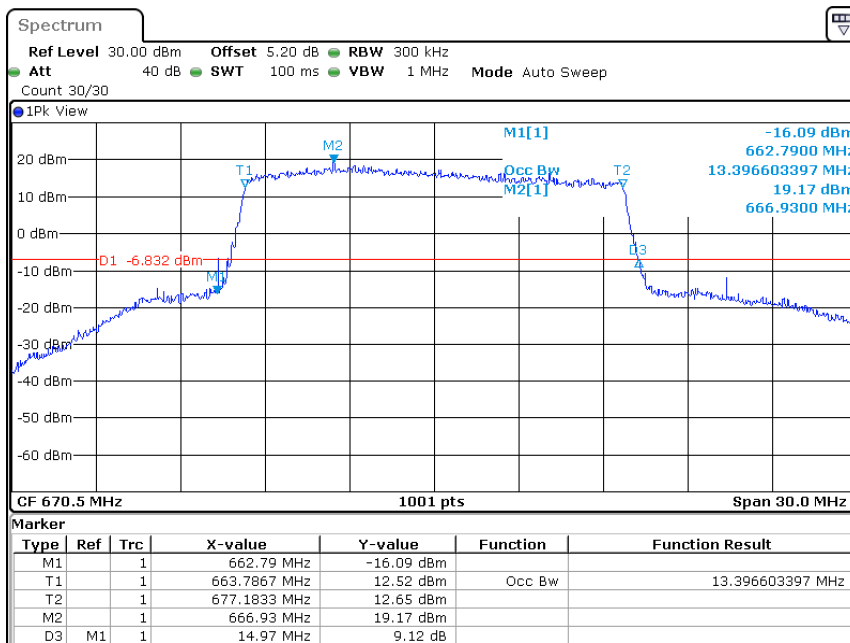


Band71-15MHz-64QAM-133397-75RB#0-13.457



Date: 12.AUG.2020 13:12:13

Band71-15MHz-16QAM-133197-75RB#0-13.397



Date: 16.JUL.2020 05:15:35



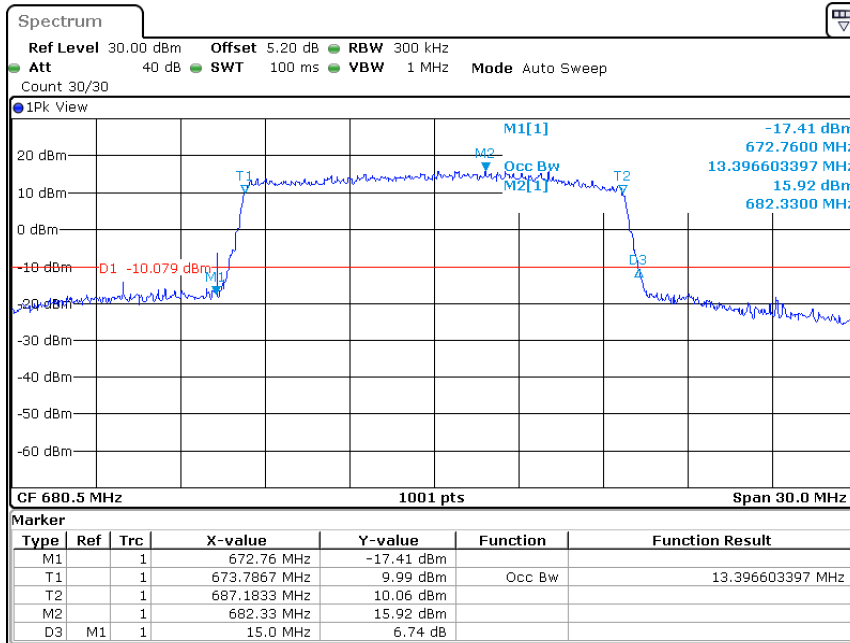
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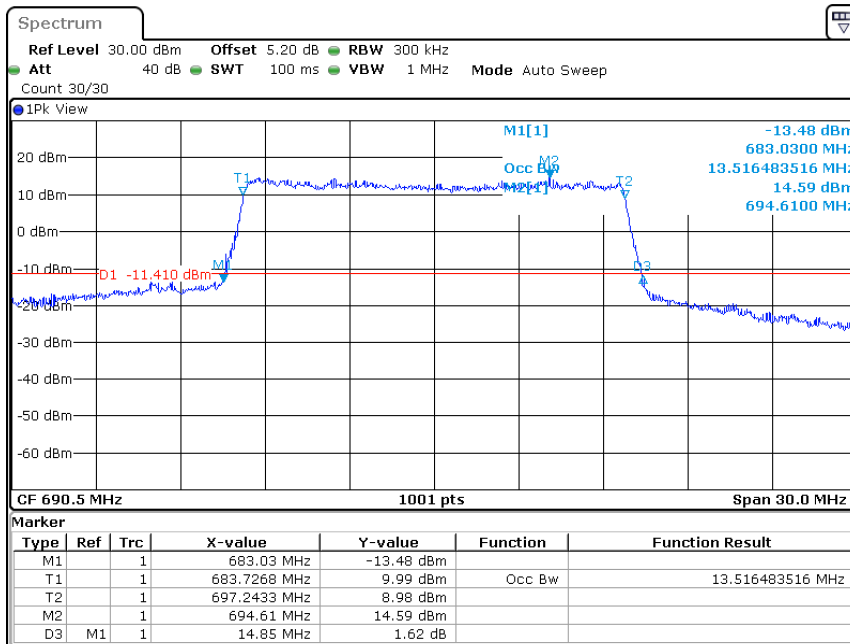
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Band71-15MHz-16QAM-133297-75RB#0-13.397



Date: 16 JUL 2020 05:16:01

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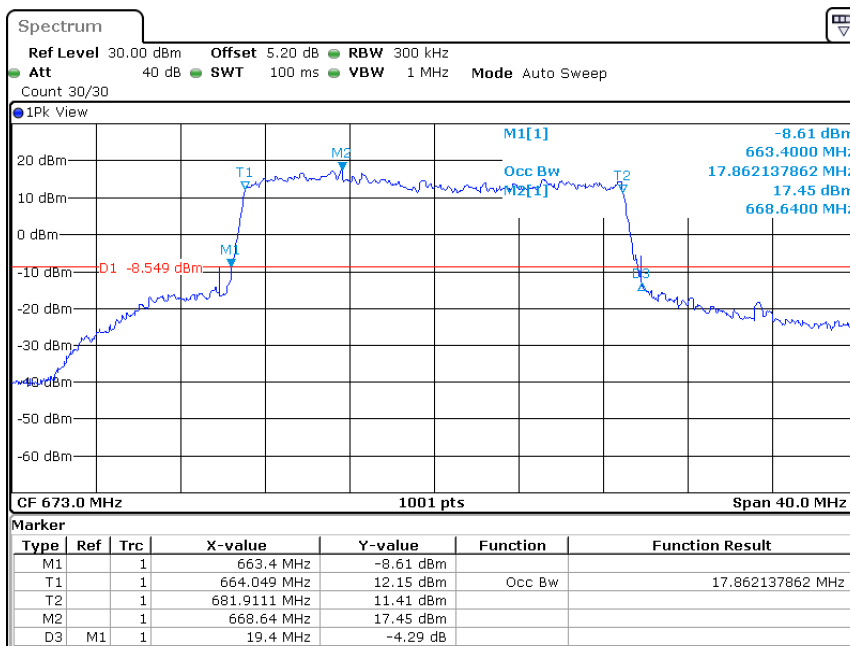


Date: 16 JUL 2020 05:16:27



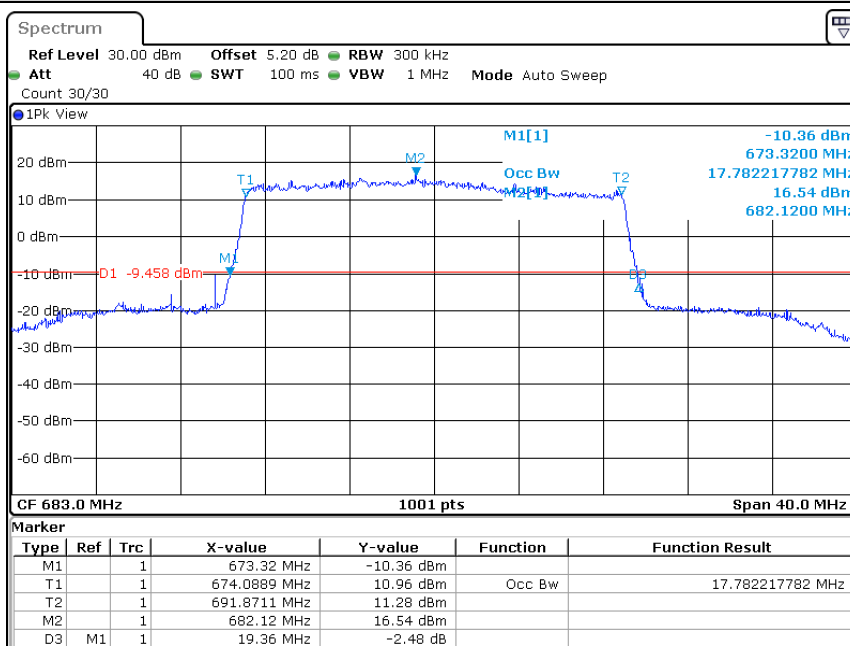


Band71-20MHz-QPSK-133222-100RB#0-17.862



Date: 16 JUL 2020 05:16:45

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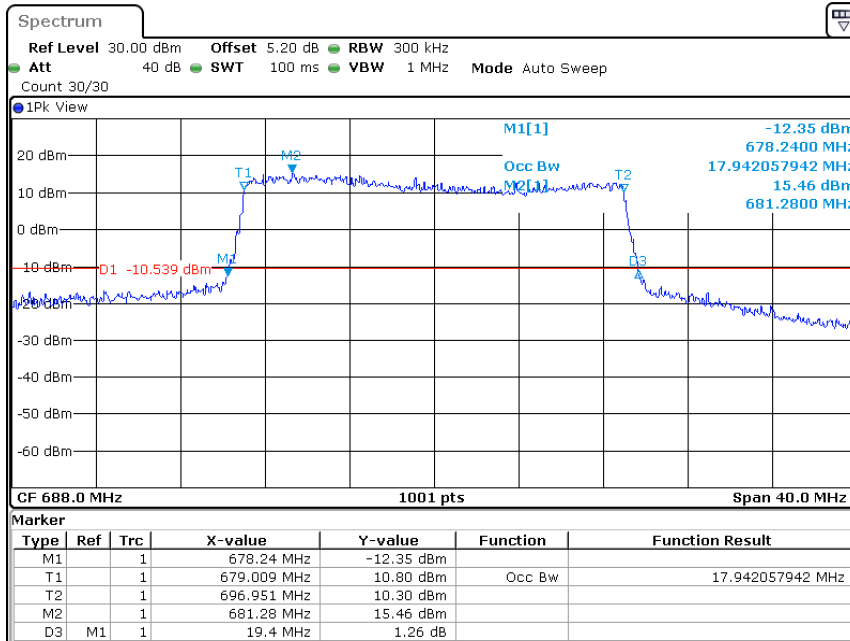


Date: 16 JUL 2020 05:17:11



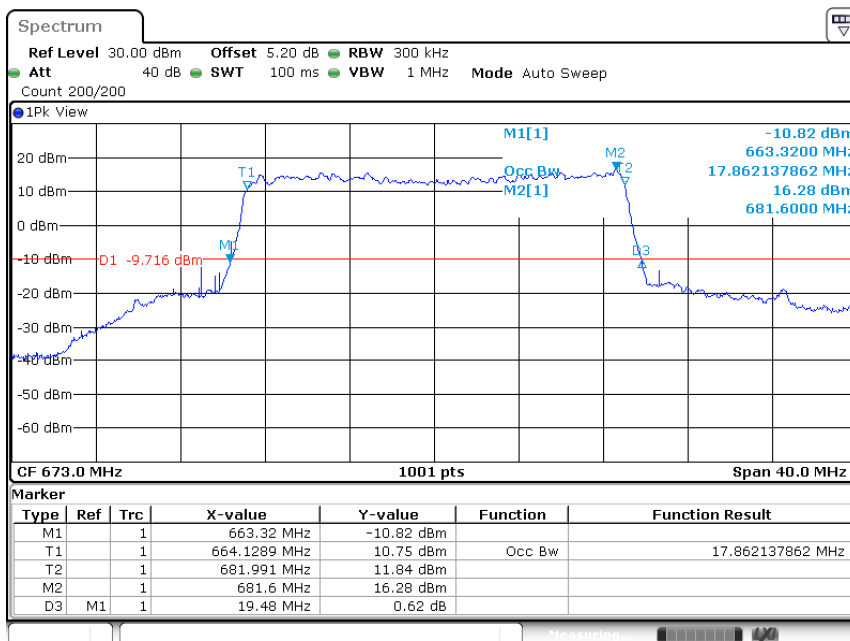


Band71-20MHz-QPSK-133372-100RB#0-17.942



Date: 16 JUL 2020 05:17:37

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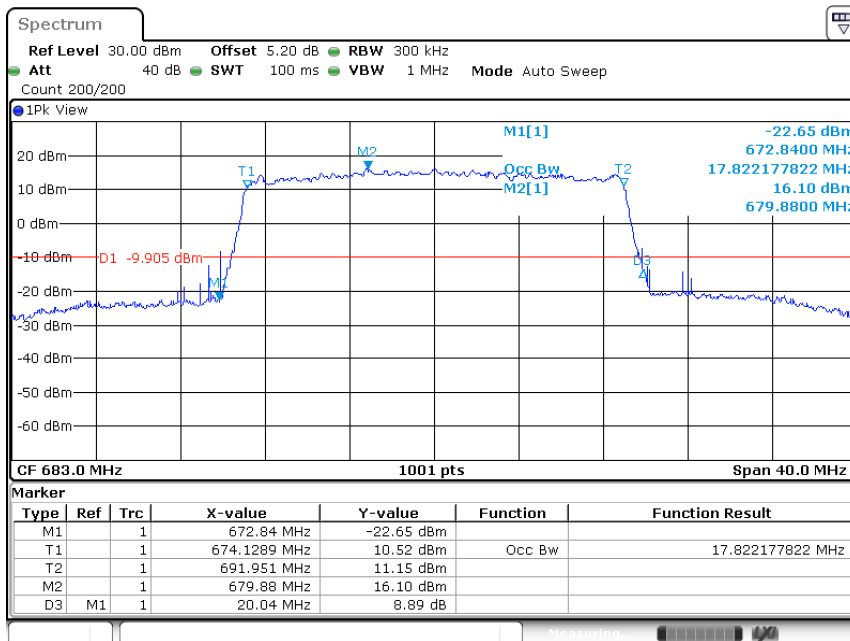


Date: 12 AUG 2020 13:12:52



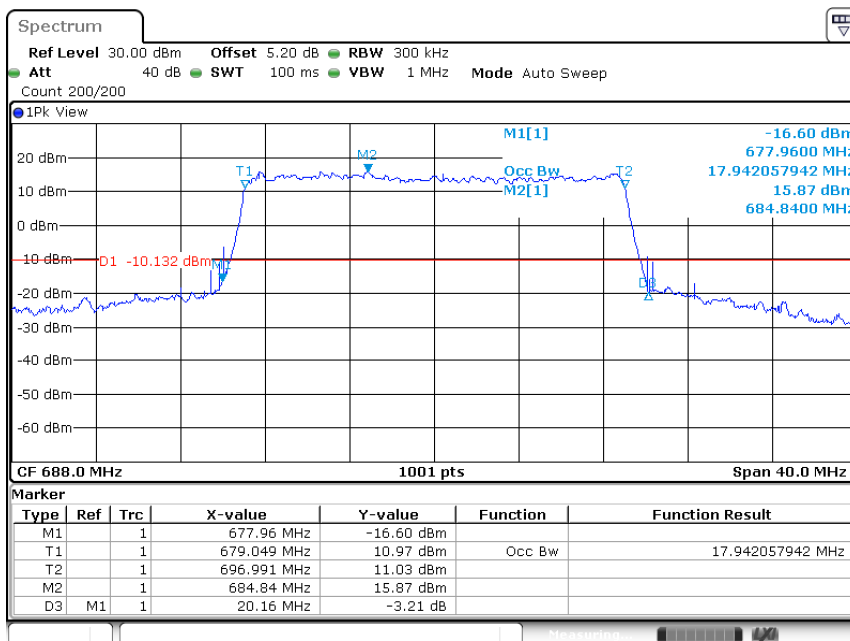


Band71-20MHz-64QAM-133322-100RB#0-17.822



Date: 12.AUG.2020 13:13:25

Band71-20MHz-64QAM-133372-100RB#0-17.942



Date: 12.AUG.2020 13:13:59

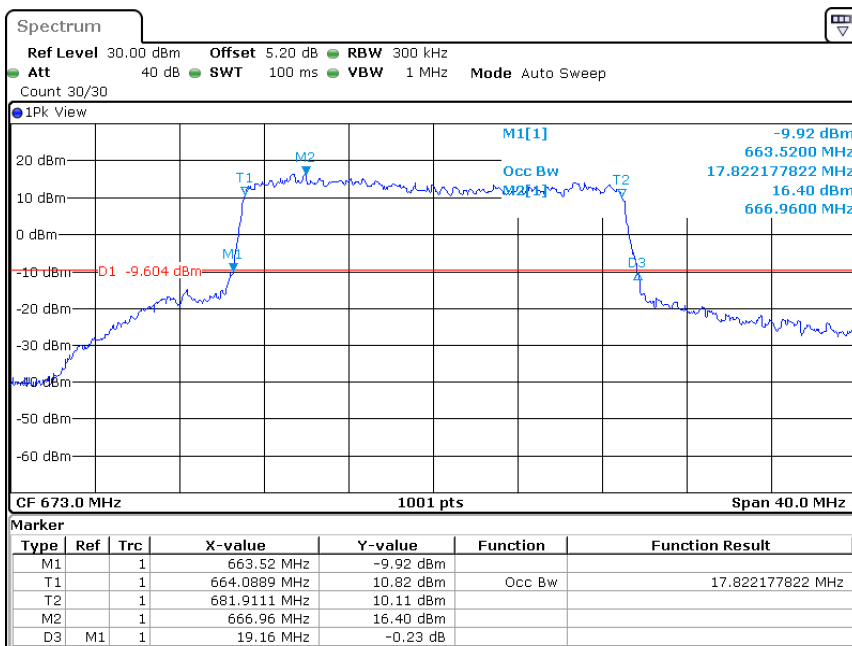


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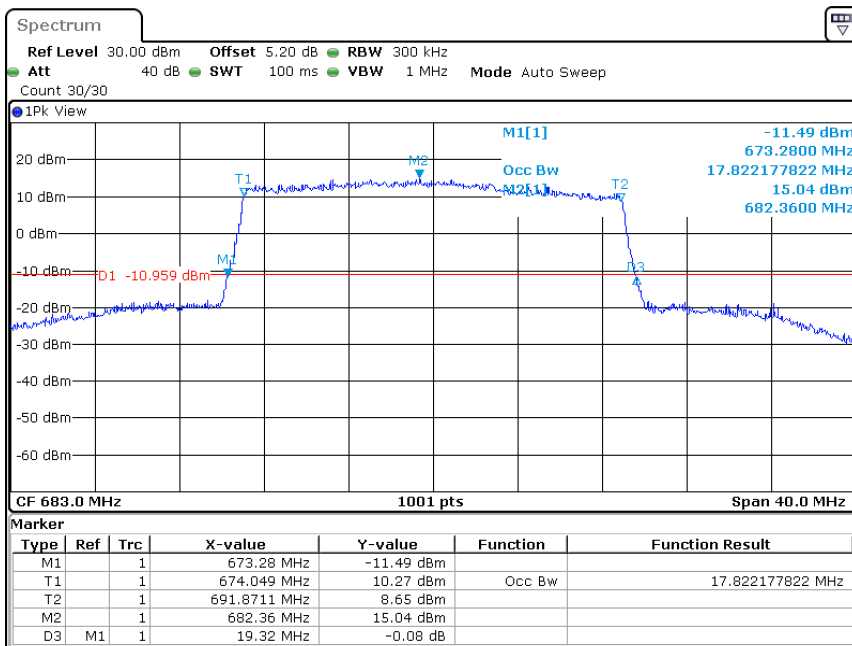
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Band71-20MHz-16QAM-133222-100RB#0-17.822



Date: 16 JUL 2020 05:16:58

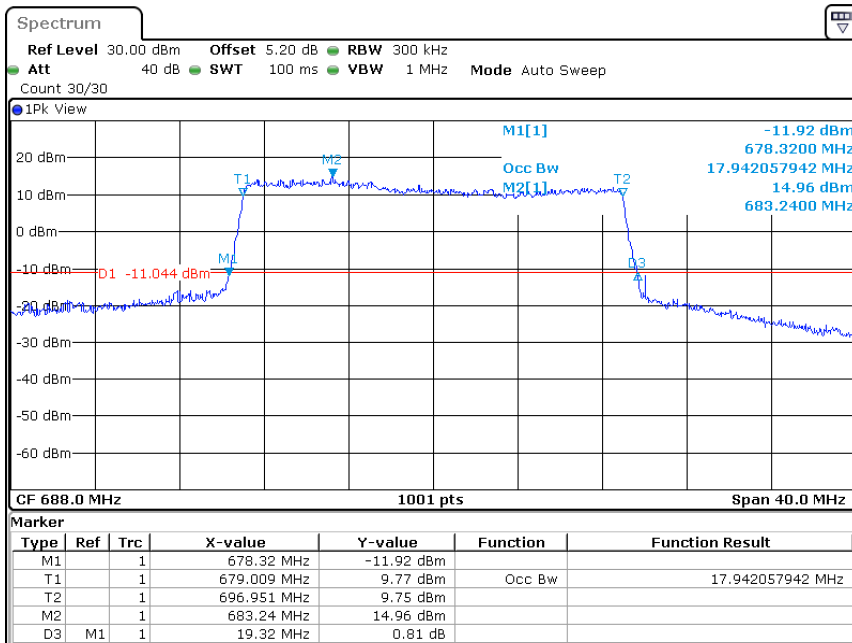
Band71-20MHz-16QAM-133322-100RB#0-17.822



Date: 16 JUL 2020 05:17:24



Band71-20MHz-16QAM-133372-100RB#0-17.942

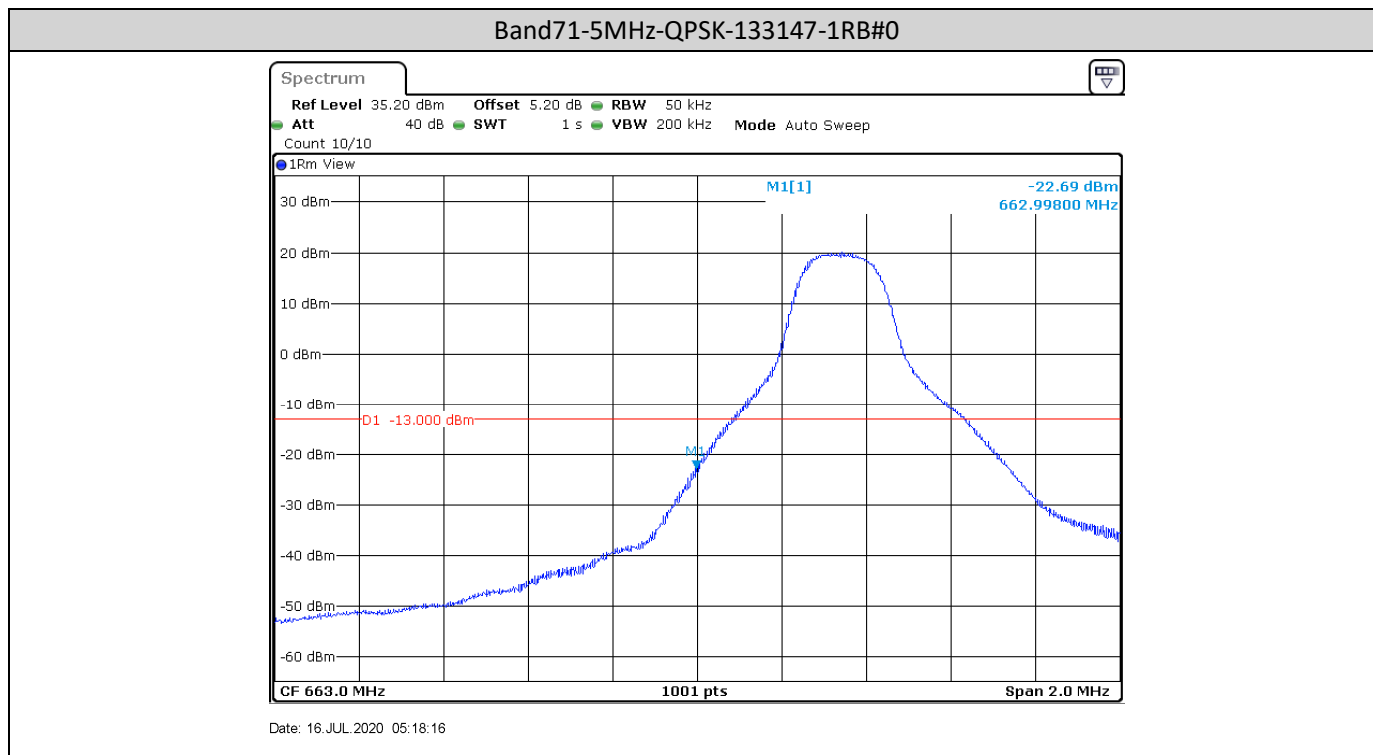


Date: 16 JUL 2020 05:17:50



5. Band Edge Compliance

5.1. Test Plots

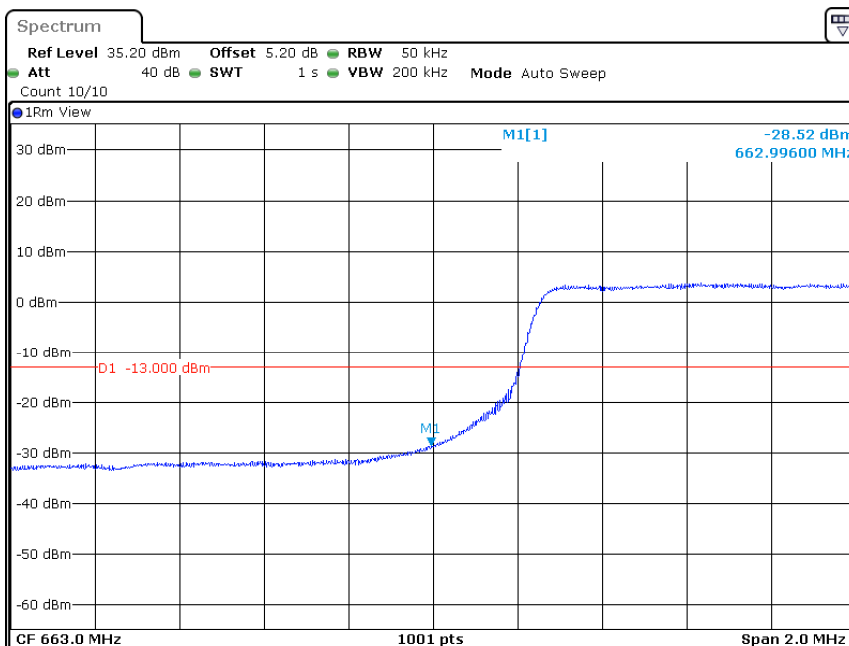


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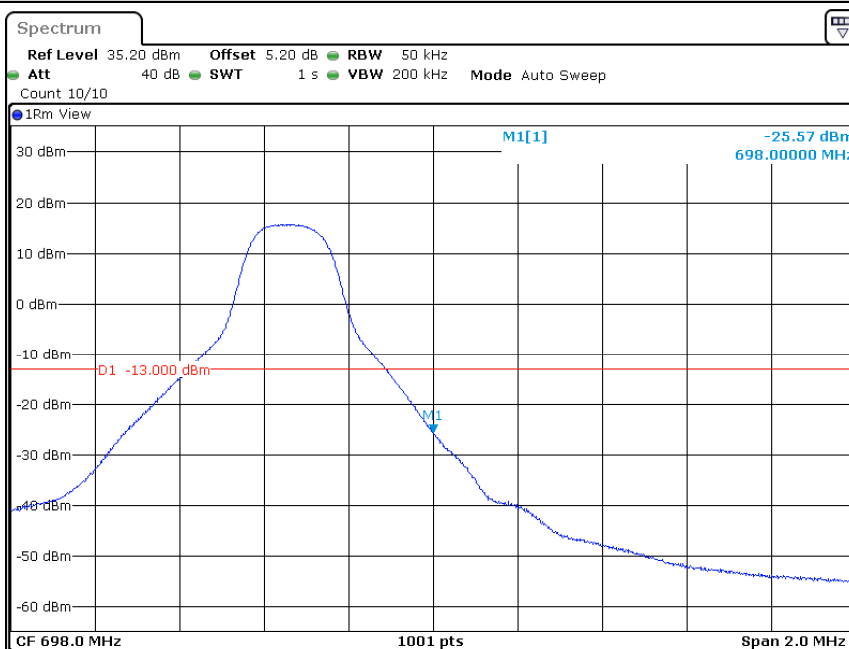


Band71-5MHz-QPSK-133147-25RB#0



Date: 16 JUL 2020 05:18:57

Band71-5MHz-QPSK-133447-1RB#24



Date: 16 JUL 2020 05:19:43



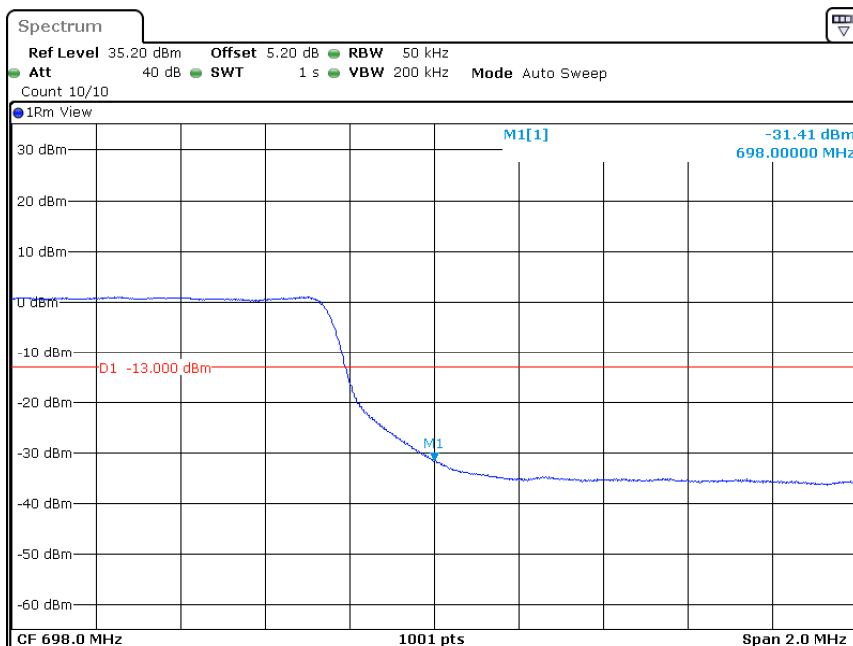
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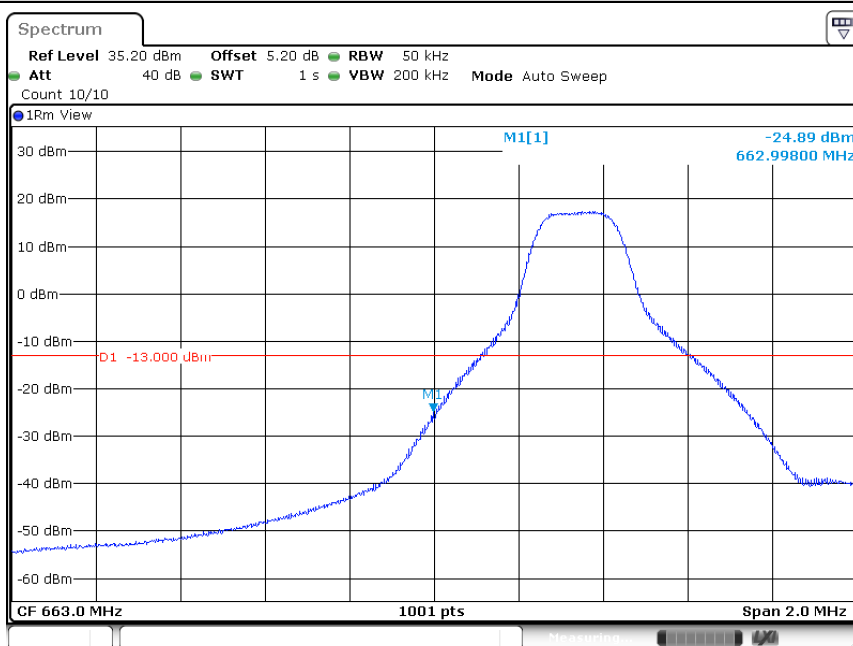


Band71-5MHz-QPSK-133447-25RB#0



Date: 16 JUL 2020 05:20:24

Band71-5MHz-64QAM-133147-1RB#0



Date: 12 AUG 2020 13:14:26



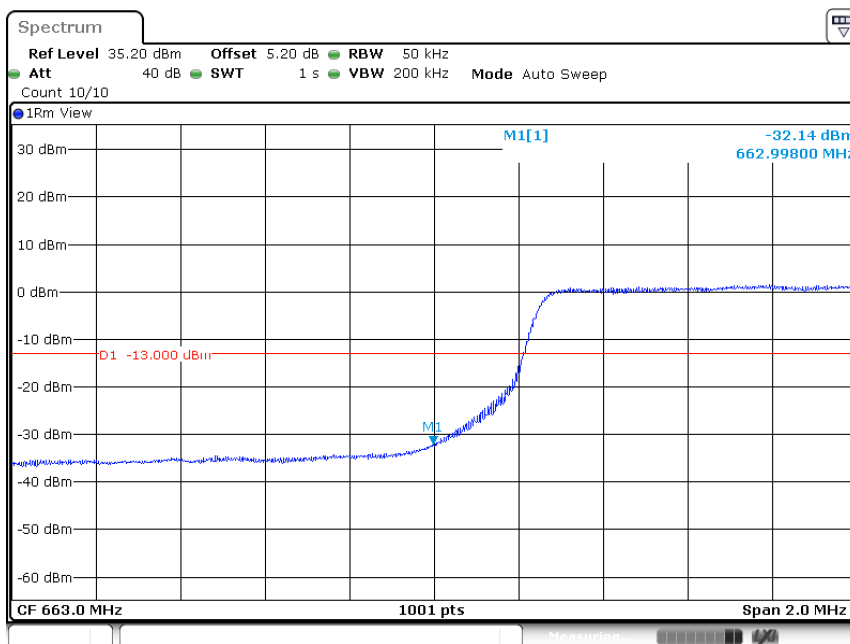
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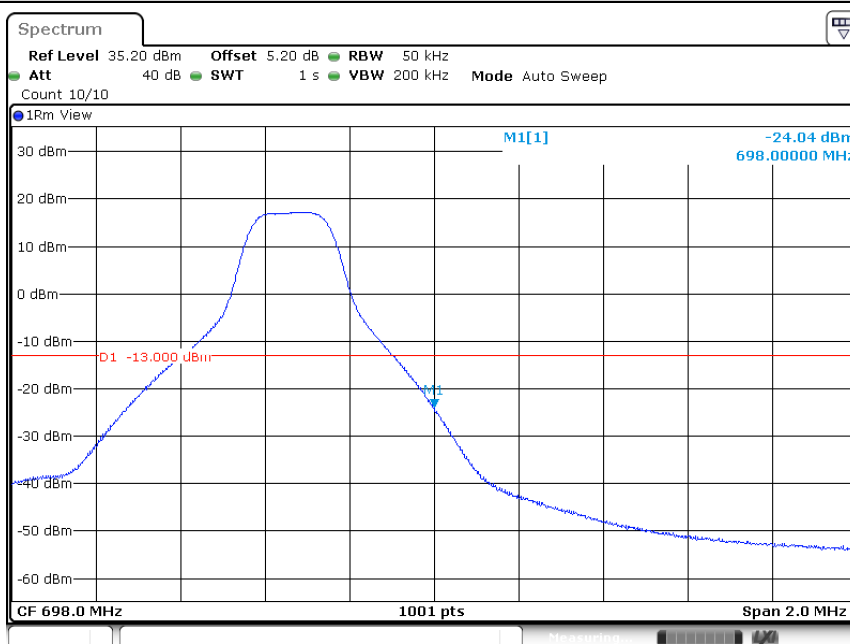


Band71-5MHz-64QAM-133147-25RB#0



Date: 12.AUG.2020 13:14:47

Band71-5MHz-64QAM-133447-1RB#24

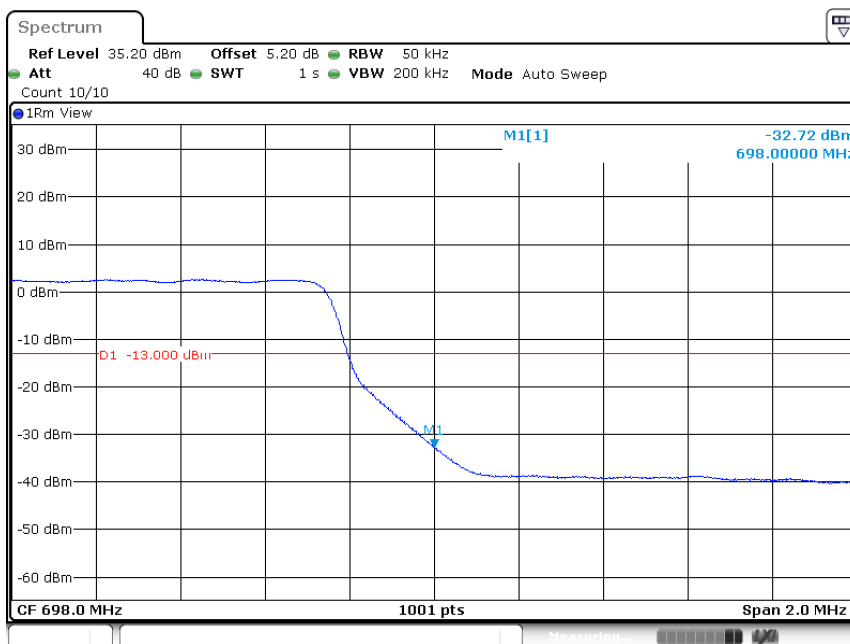


Date: 12.AUG.2020 13:15:13



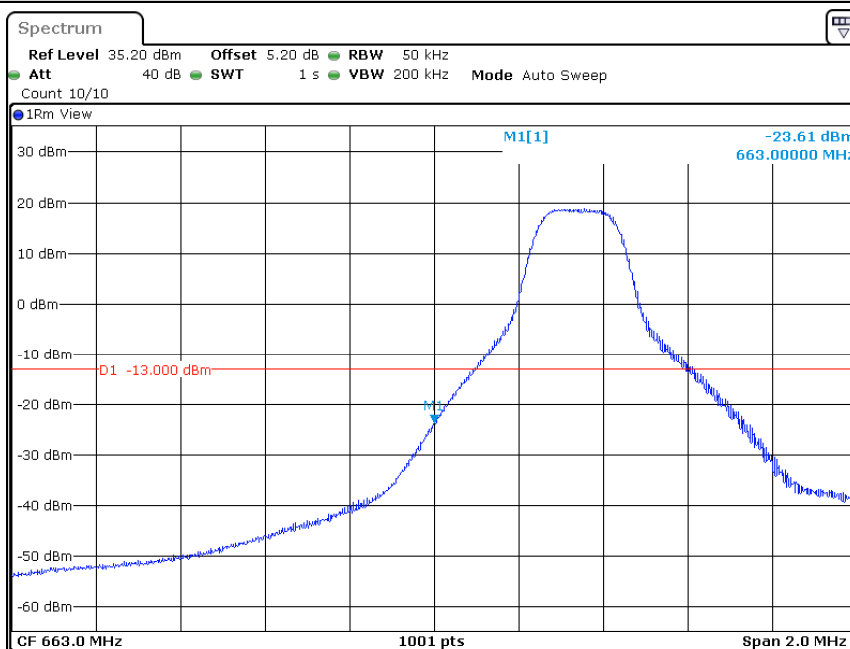


Band71-5MHz-64QAM-133447-25RB#0



Date: 12.AUG.2020 13:15:34

Band71-5MHz-16QAM-133147-1RB#0



Date: 16.JUL.2020 05:18:36



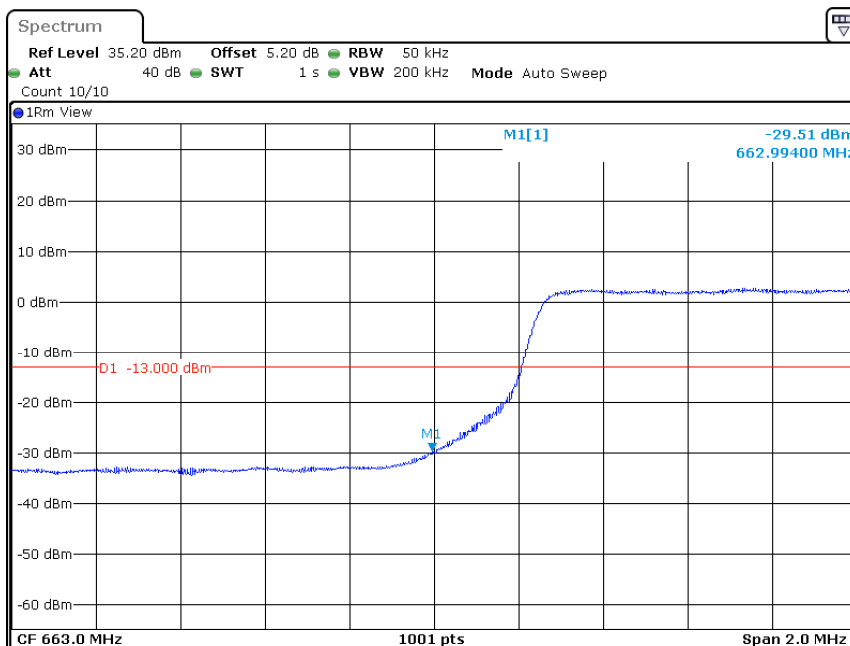
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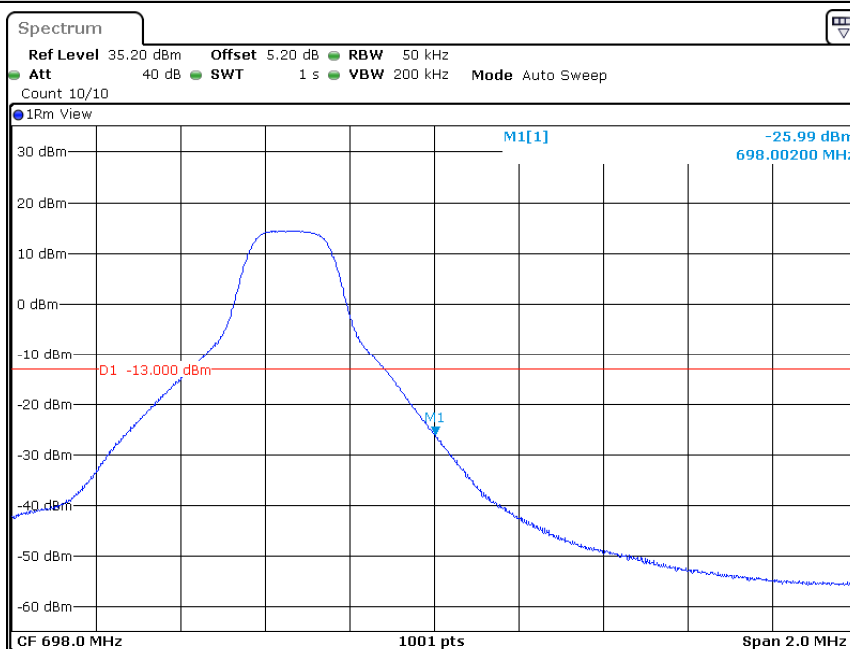


Band71-5MHz-16QAM-133147-25RB#0



Date: 16 JUL 2020 05:19:17

Band71-5MHz-16QAM-133447-1RB#24

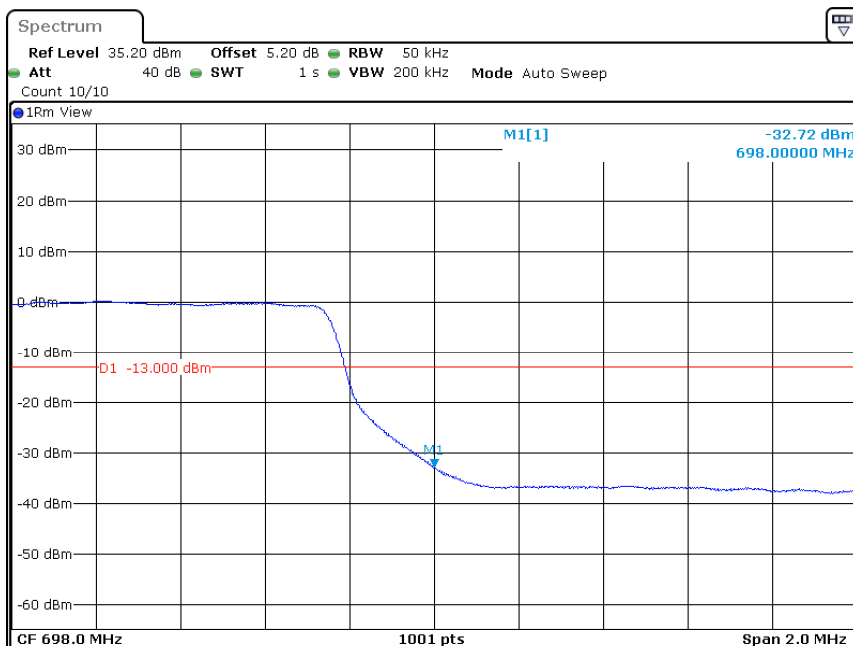


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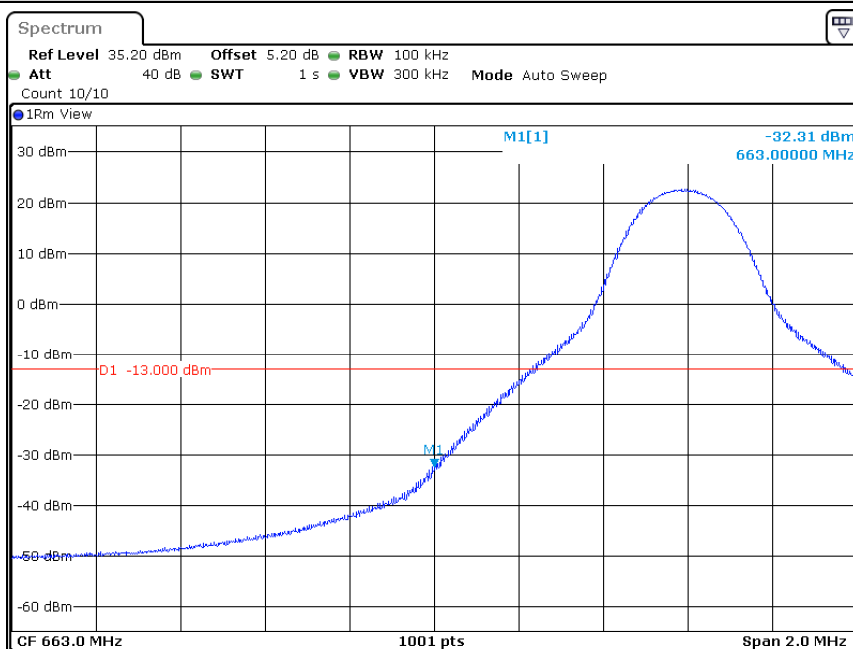


Band71-5MHz-16QAM-133447-25RB#0



Date: 16 JUL 2020 05:20:45

Band71-10MHz-QPSK-133172-1RB#0



Date: 16 JUL 2020 05:21:10



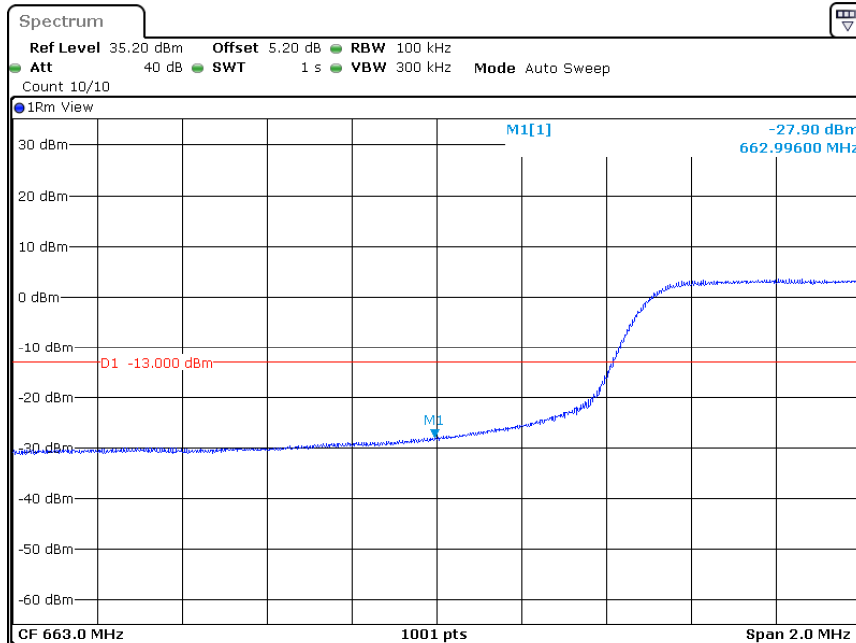
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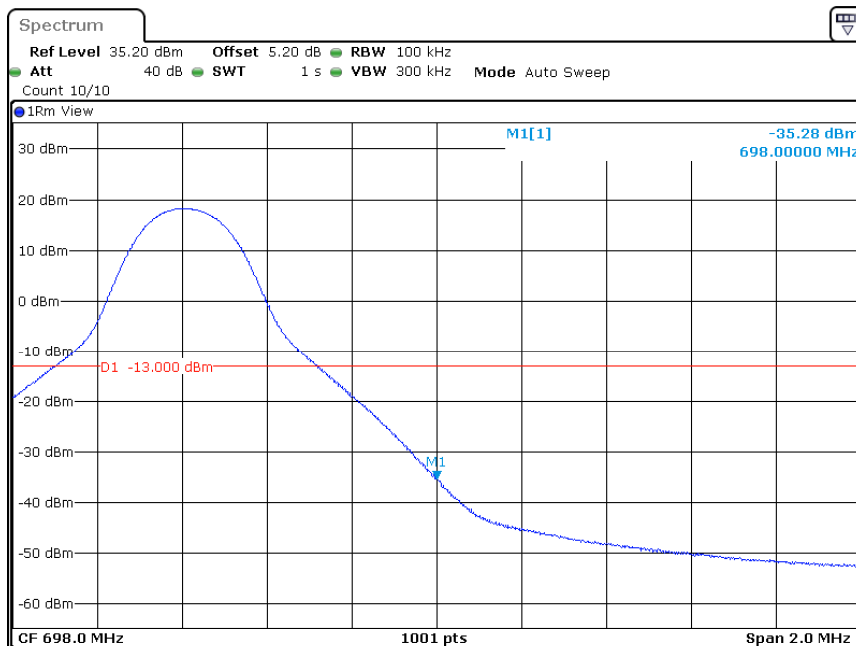


Band71-10MHz-QPSK-133172-50RB#0



Date: 16 JUL 2020 05:21:52

Band71-10MHz-QPSK-133422-1RB#49



Date: 16 JUL 2020 05:22:38



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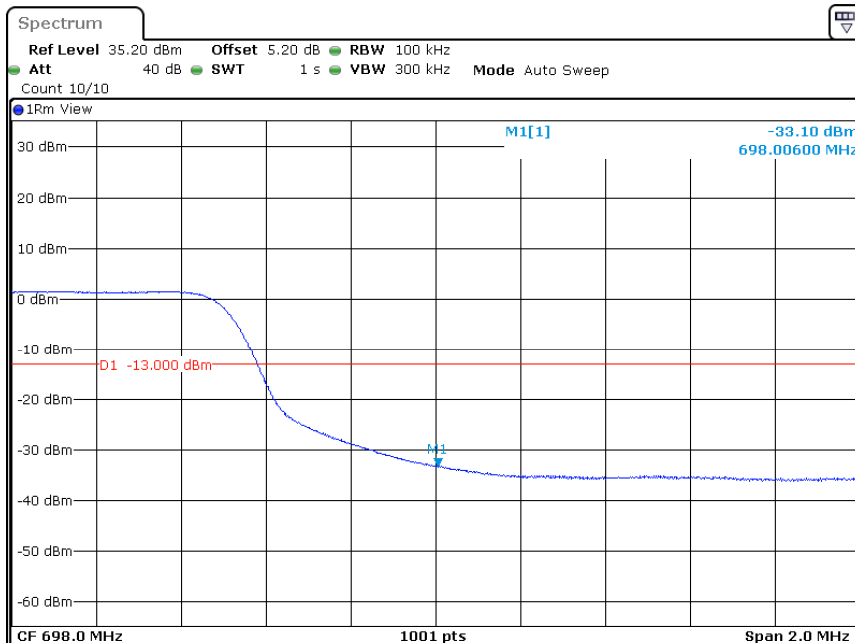
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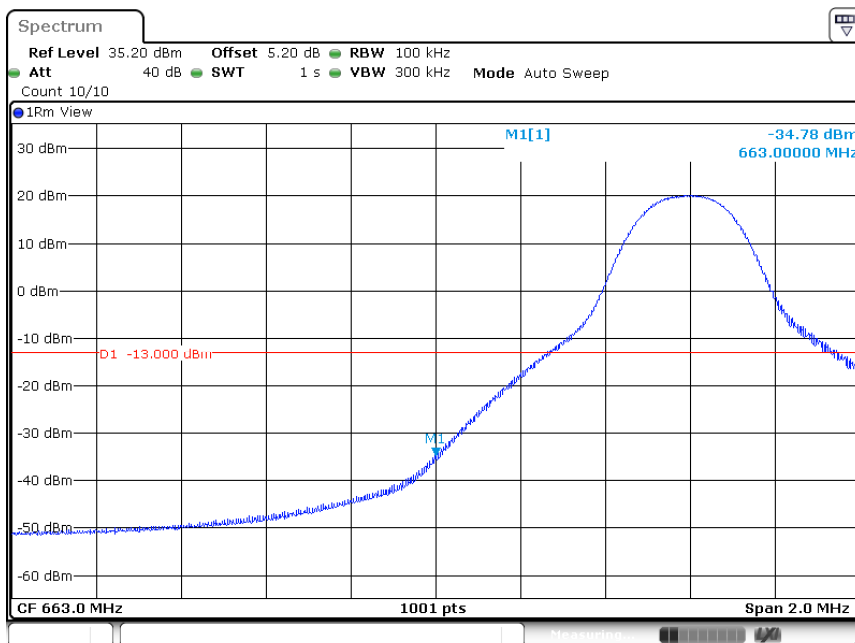


Band71-10MHz-QPSK-133422-50RB#0



Date: 16 JUL 2020 05:23:19

Band71-10MHz-64QAM-133172-1RB#0



Date: 12 AUG 2020 13:16:02



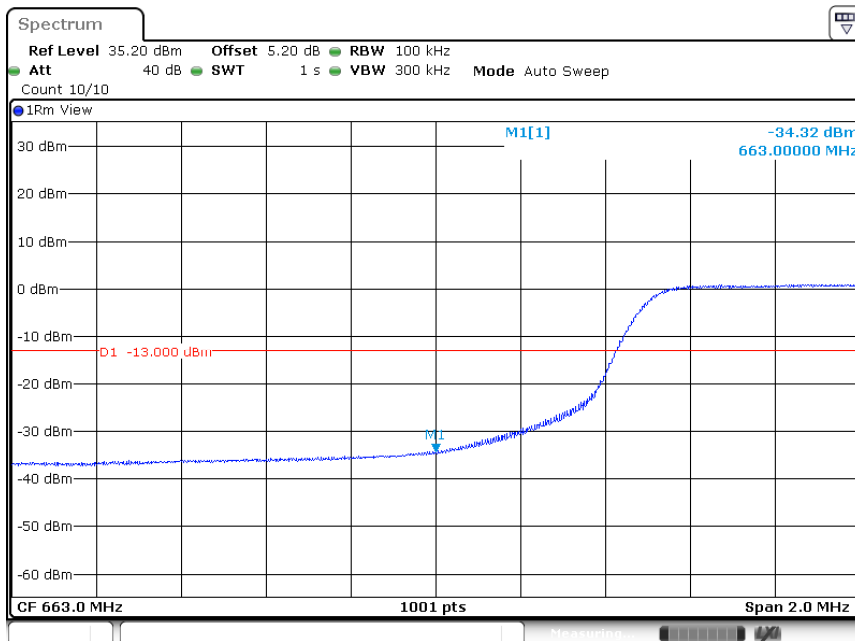
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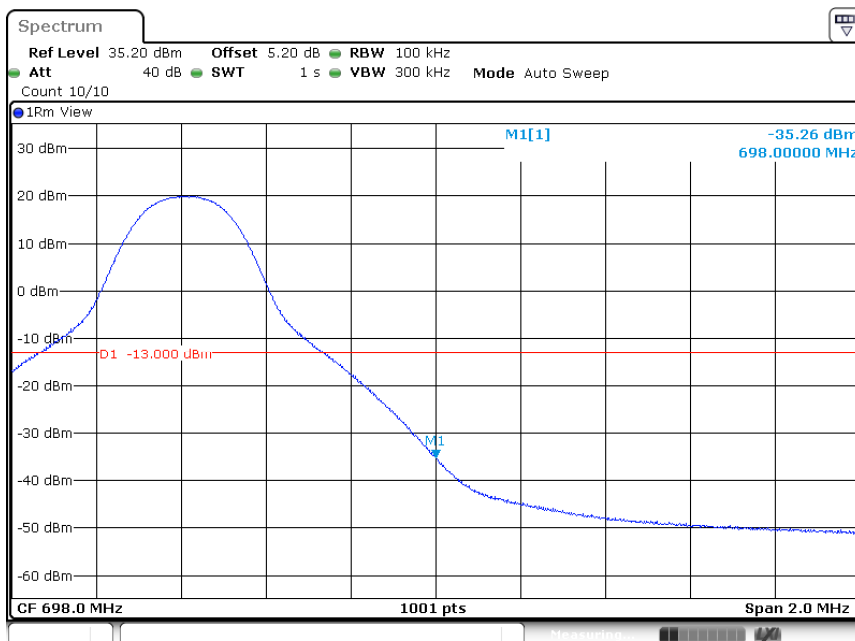


Band71-10MHz-64QAM-133172-50RB#0



Date: 12.AUG.2020 13:16:23

Band71-10MHz-64QAM-133422-1RB#49



Date: 12.AUG.2020 13:16:49



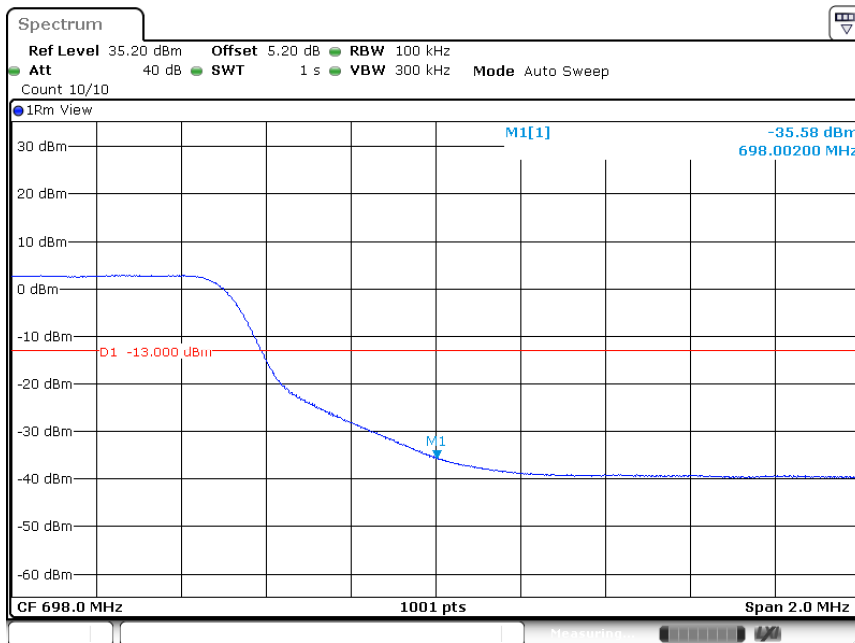
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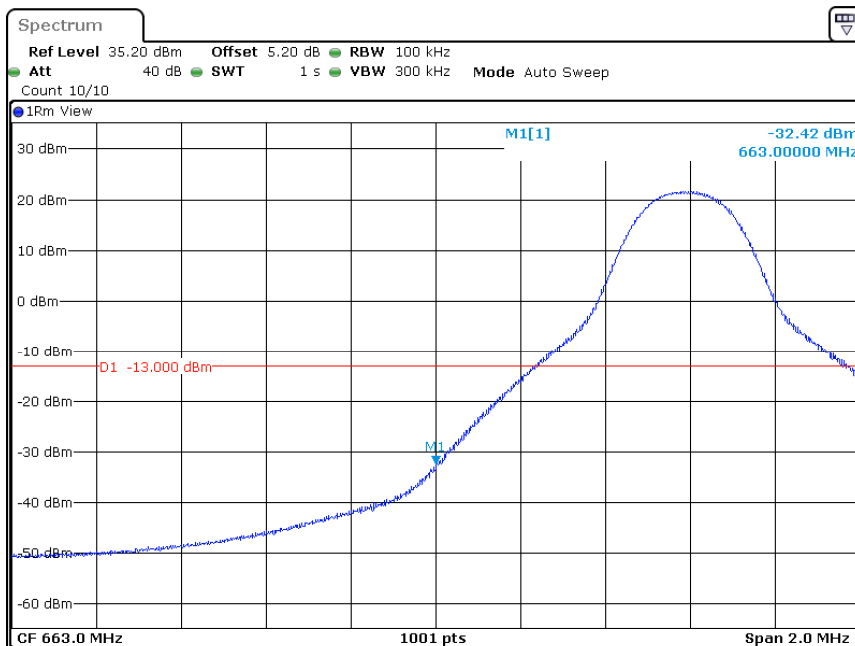


Band71-10MHz-64QAM-133422-50RB#0



Date: 12.AUG.2020 13:17:10

Band71-10MHz-16QAM-133172-1RB#0



Date: 16.JUL.2020 05:21:31



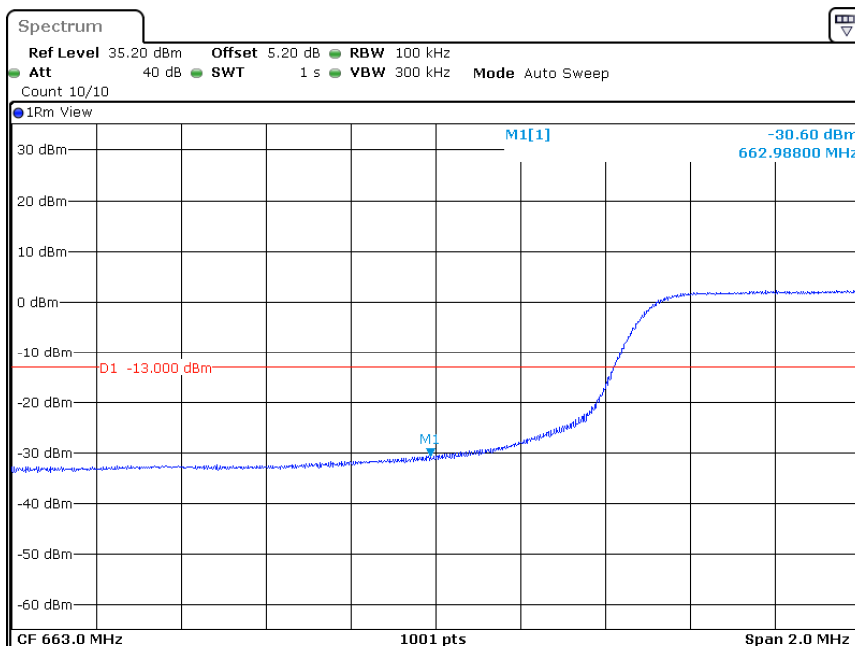
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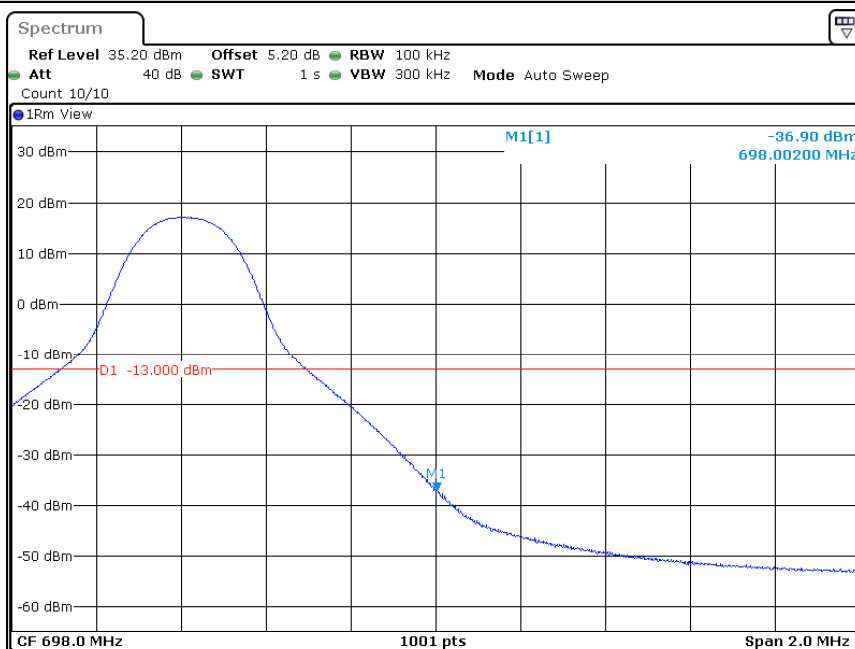


Band71-10MHz-16QAM-133172-50RB#0



Date: 16 JUL 2020 05:22:13

Band71-10MHz-16QAM-133422-1RB#49



Date: 16 JUL 2020 05:22:58



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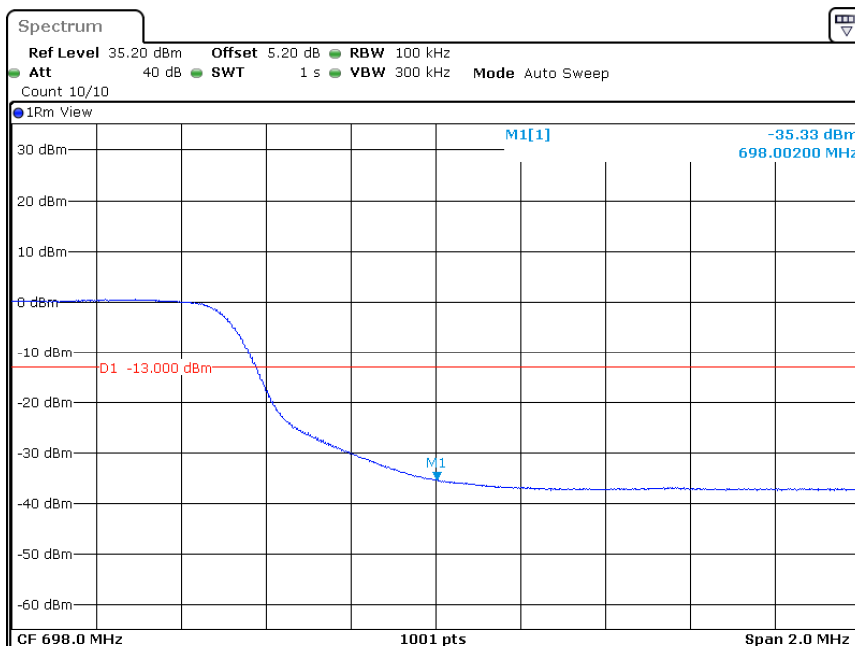
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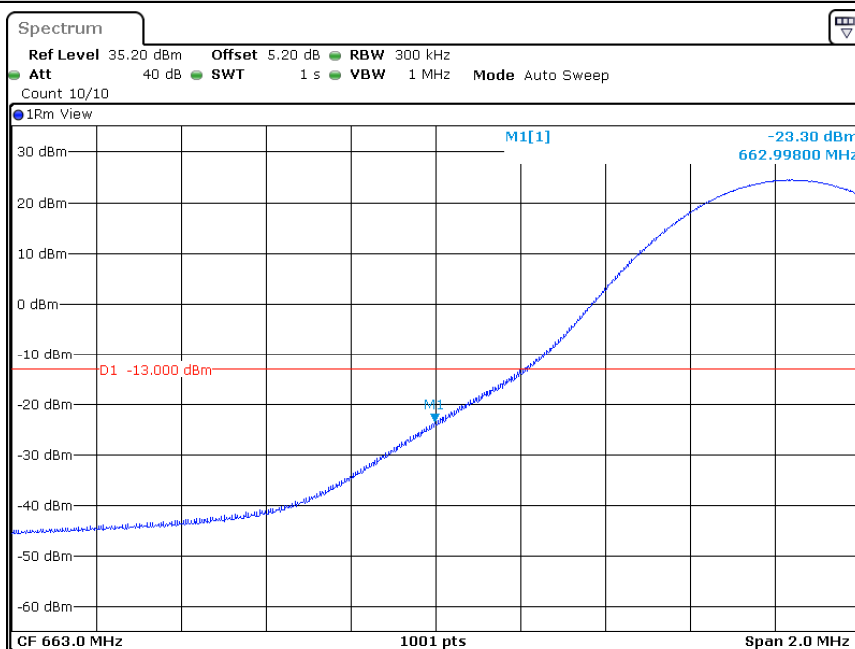


Band71-10MHz-16QAM-133422-50RB#0



Date: 16 JUL 2020 05:23:40

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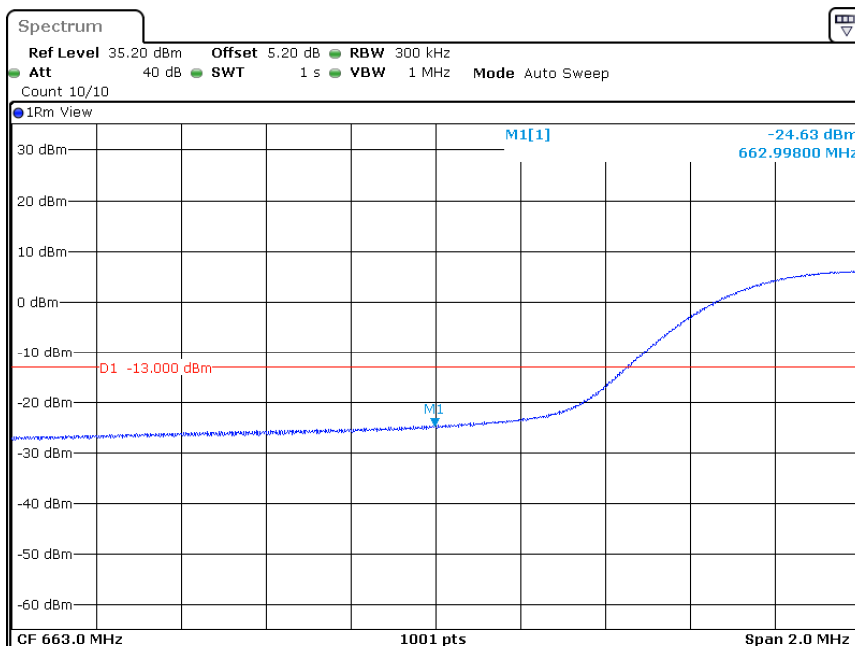


Date: 16 JUL 2020 05:24:05



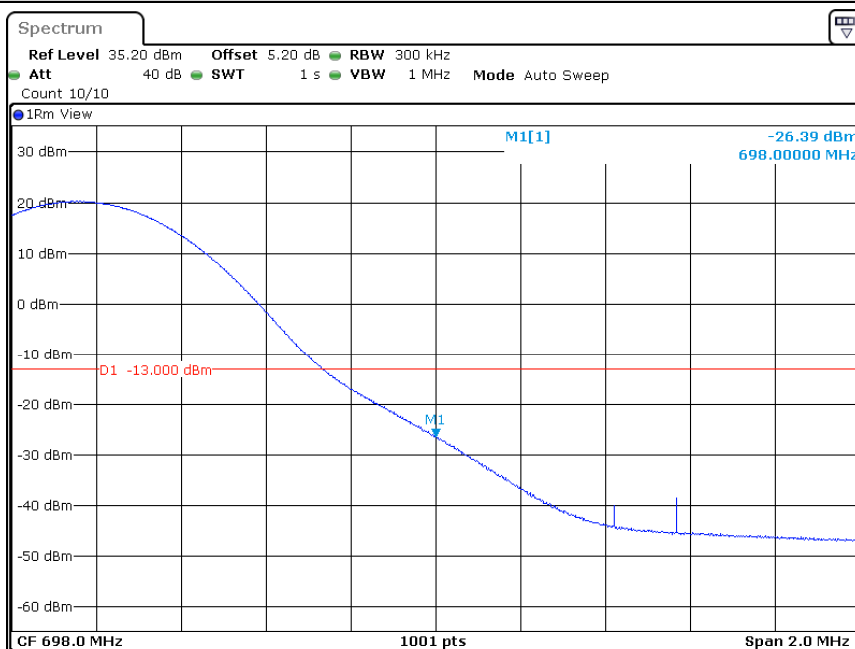


Band71-15MHz-QPSK-133197-75RB#0



Date: 16 JUL 2020 05:24:46

Band71-15MHz-QPSK-133397-1RB#74



Date: 16 JUL 2020 05:25:32

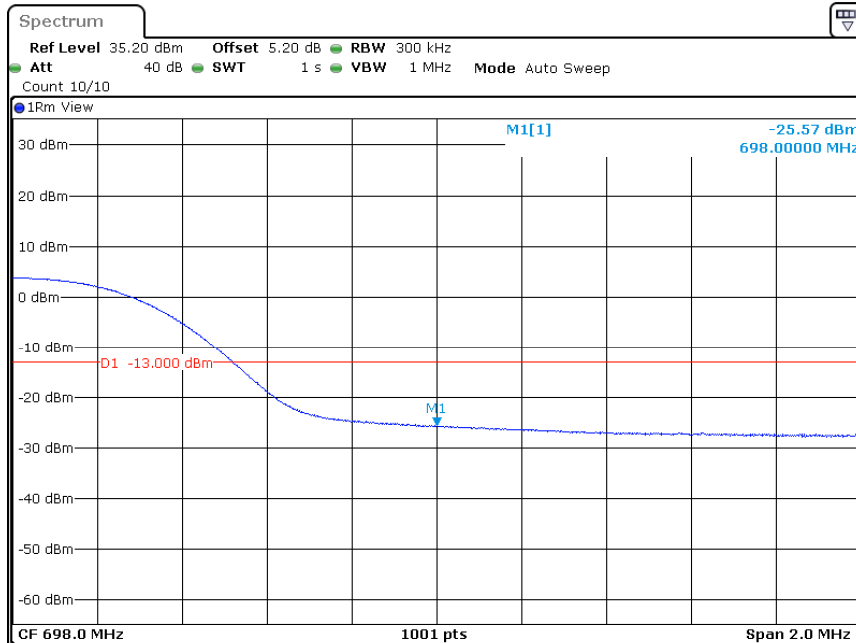


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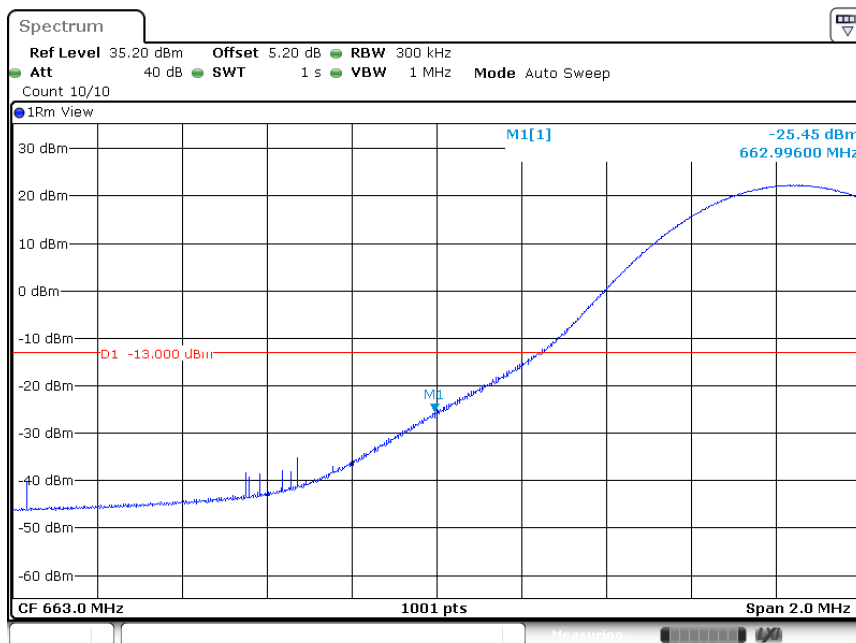
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Band71-15MHz-QPSK-133397-75RB#0



Date: 16 JUL 2020 05:26:13

Band71-15MHz-64QAM-133197-1RB#0

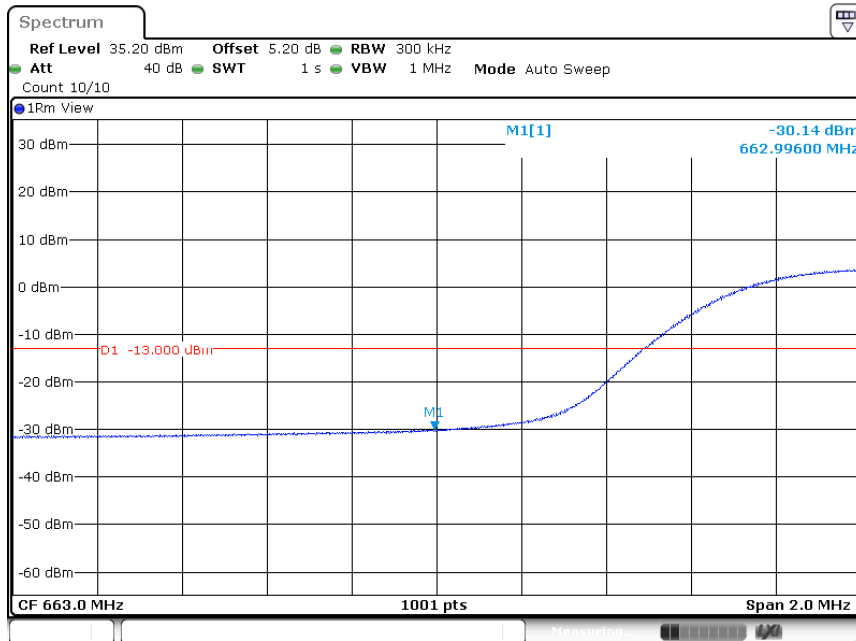


Date: 12 AUG 2020 13:17:38



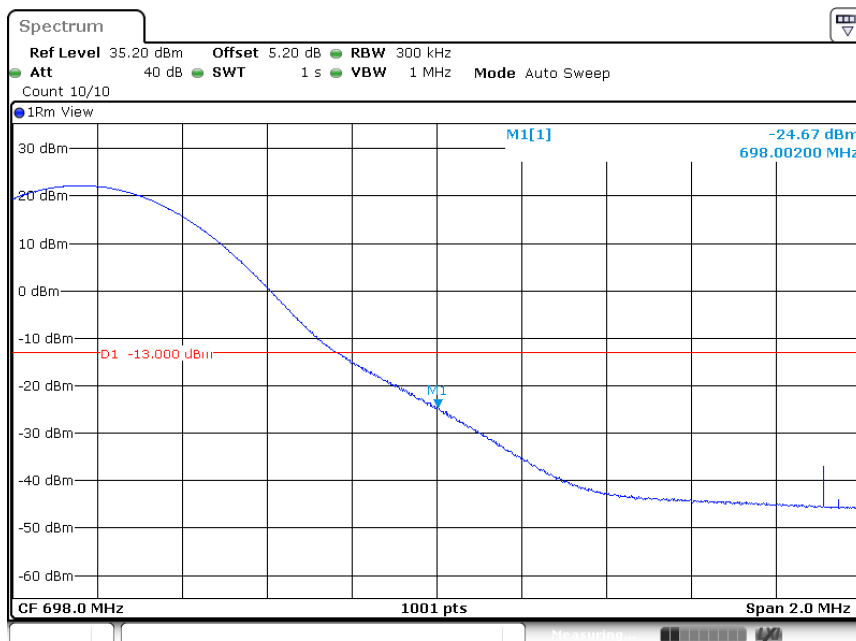


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Date: 12.AUG.2020 13:17:59

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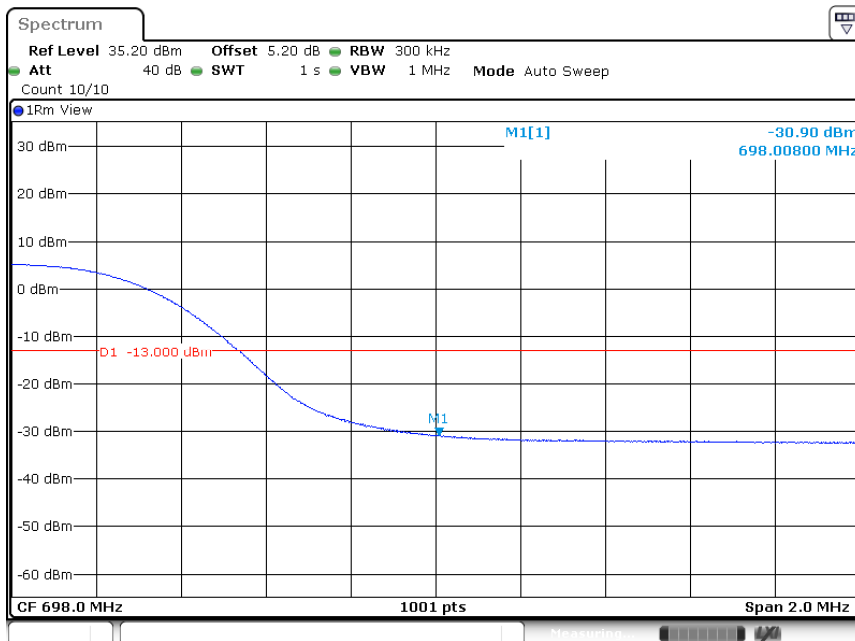


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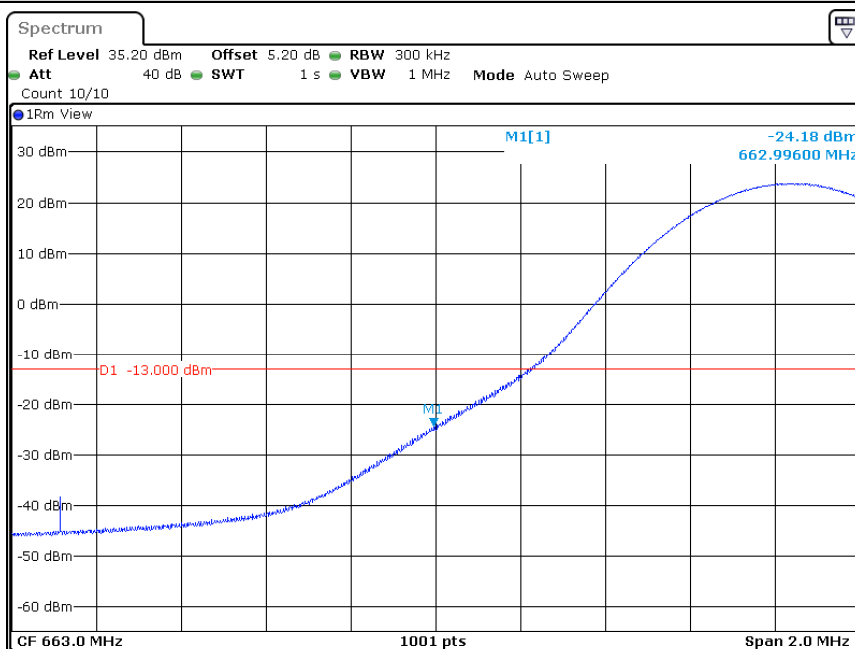


Band71-15MHz-64QAM-133397-75RB#0



Date: 12.AUG.2020 13:18:47

Band71-15MHz-16QAM-133197-1RB#0



Date: 16.JUL.2020 05:24:26



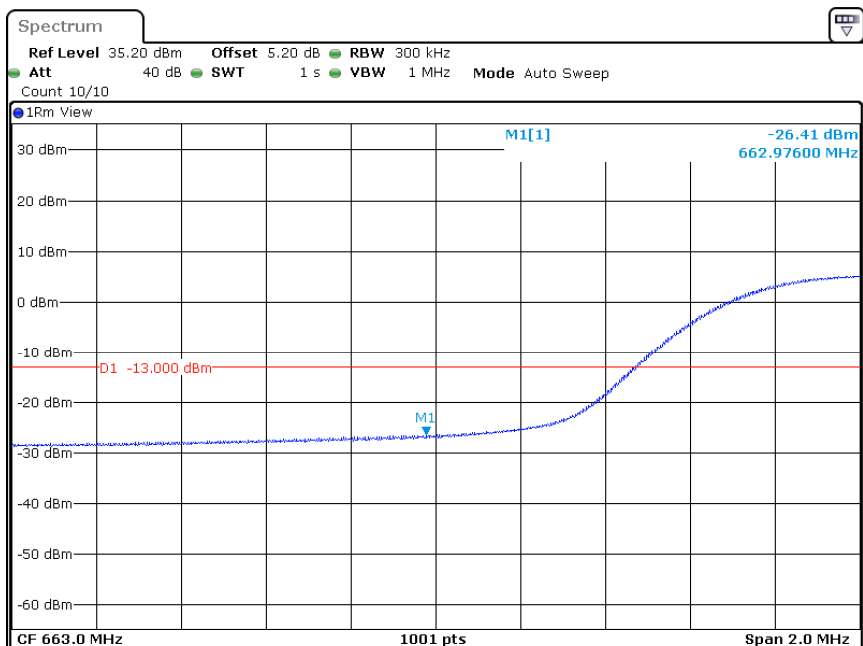
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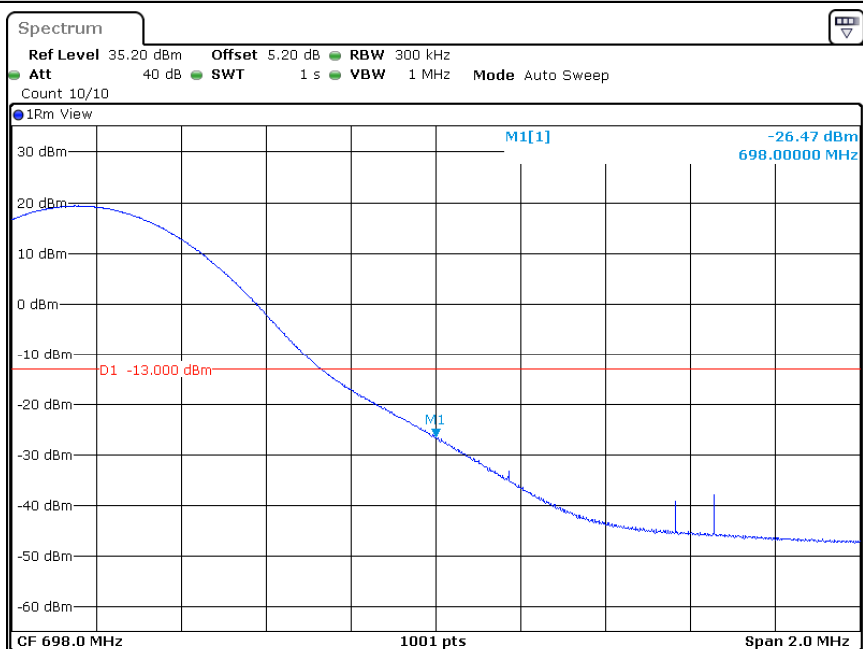


Band71-15MHz-16QAM-133197-75RB#0



Date: 16 JUL 2020 05:25:07

Band71-15MHz-16QAM-133397-1RB#74



Date: 16 JUL 2020 05:25:52



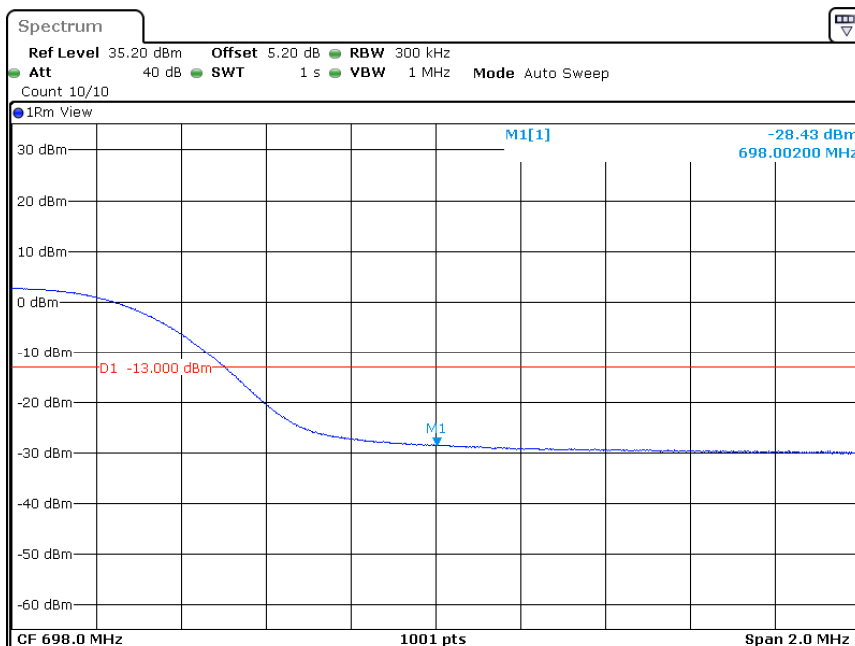
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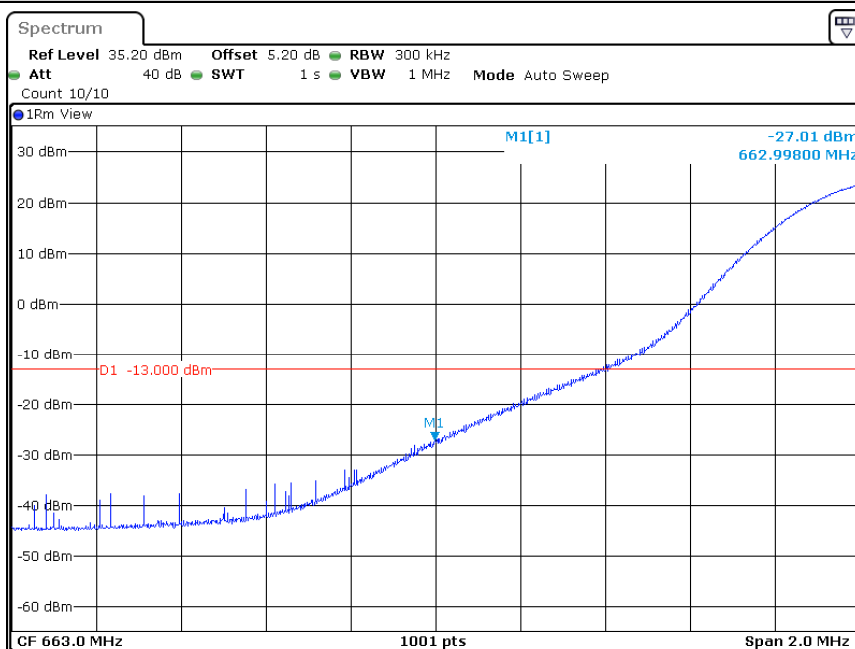


Band71-15MHz-16QAM-133397-75RB#0



Date: 16 JUL 2020 05:26:34

Band71-20MHz-QPSK-133222-1RB#0



Date: 16 JUL 2020 05:26:59



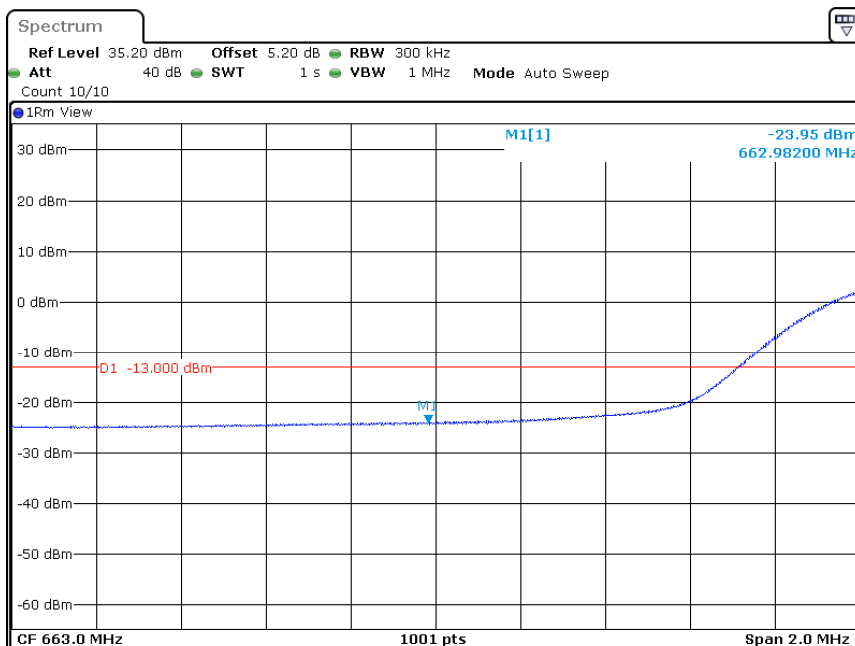
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Band71-20MHz-QPSK-133222-100RB#0



Date: 16 JUL 2020 05:27:41

Band71-20MHz-QPSK-133372-1RB#99



Date: 16 JUL 2020 05:28:27

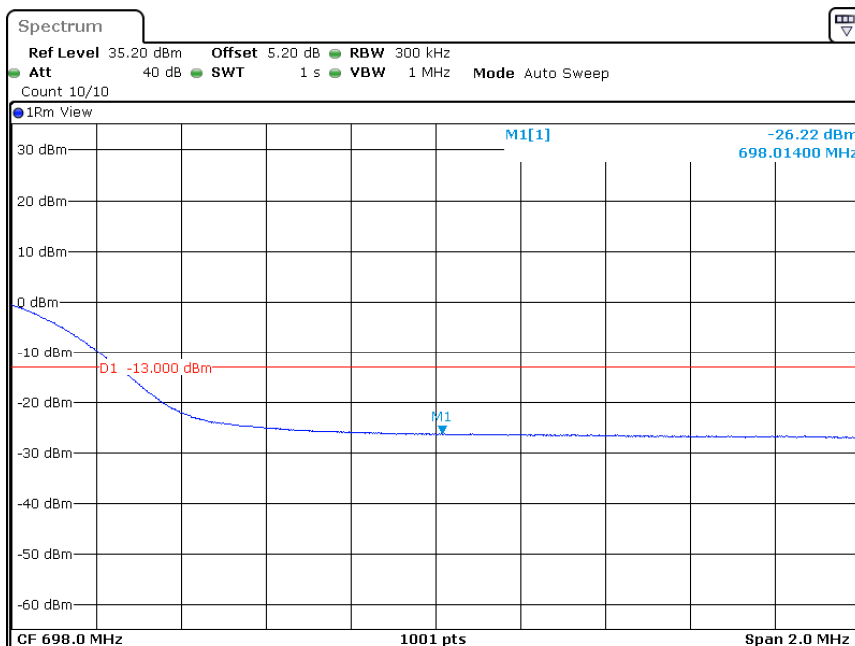


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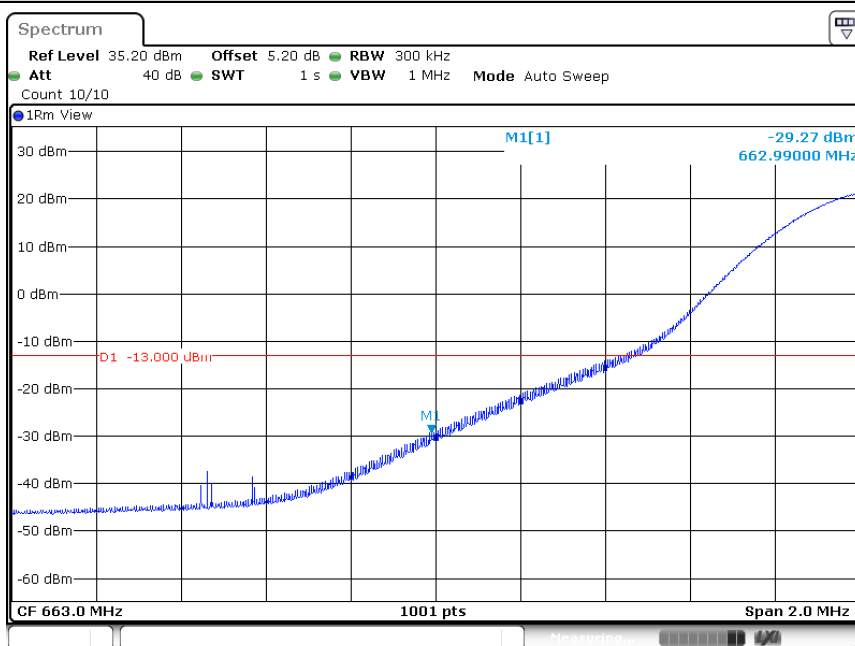


Band71-20MHz-QPSK-133372-100RB#0



Date: 16 JUL 2020 05:29:08

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Date: 12 AUG 2020 13:19:14

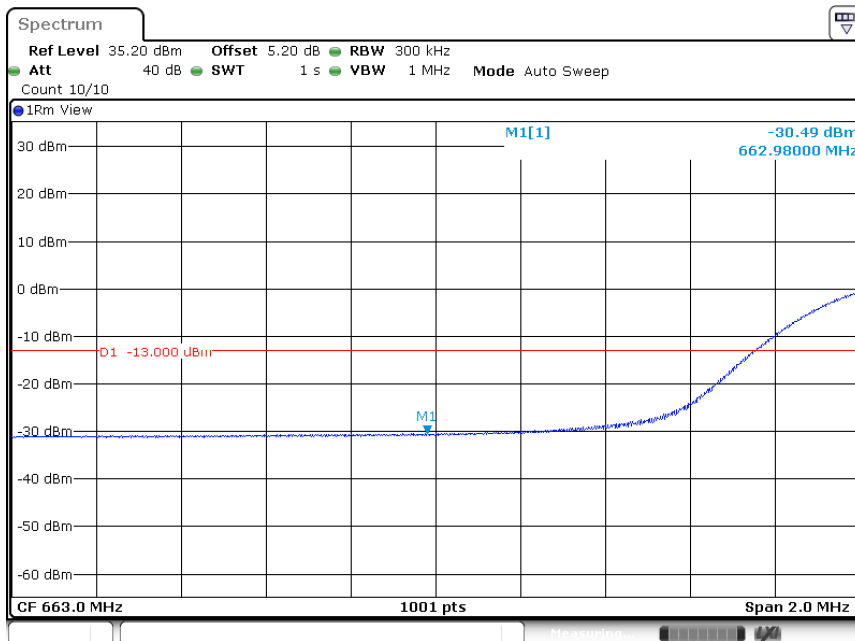


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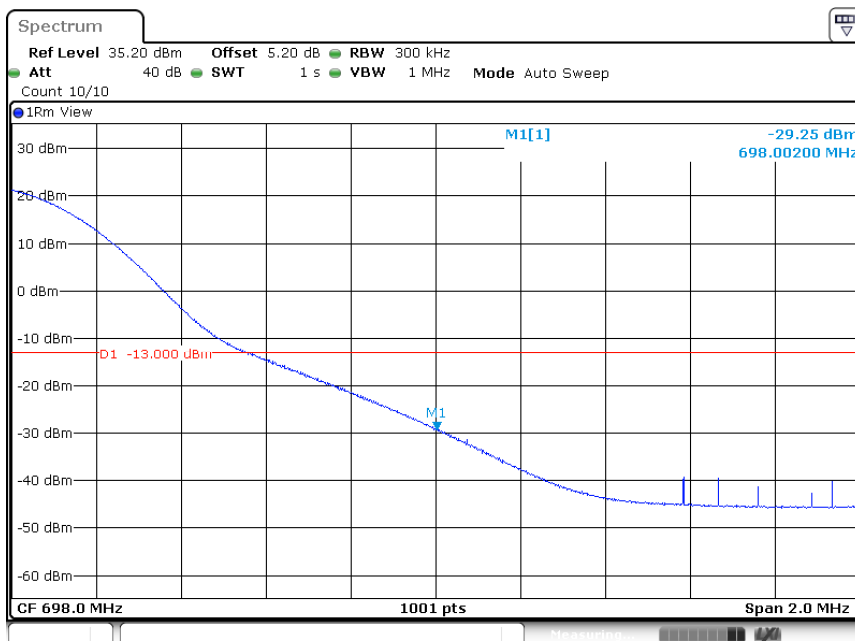
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Band71-20MHz-64QAM-133222-100RB#0



Date: 12.AUG.2020 13:19:35

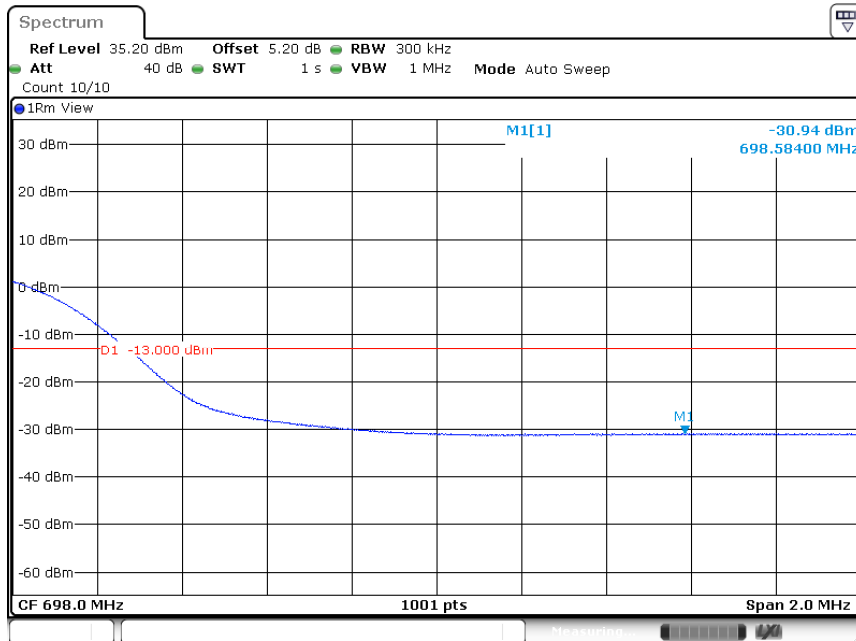
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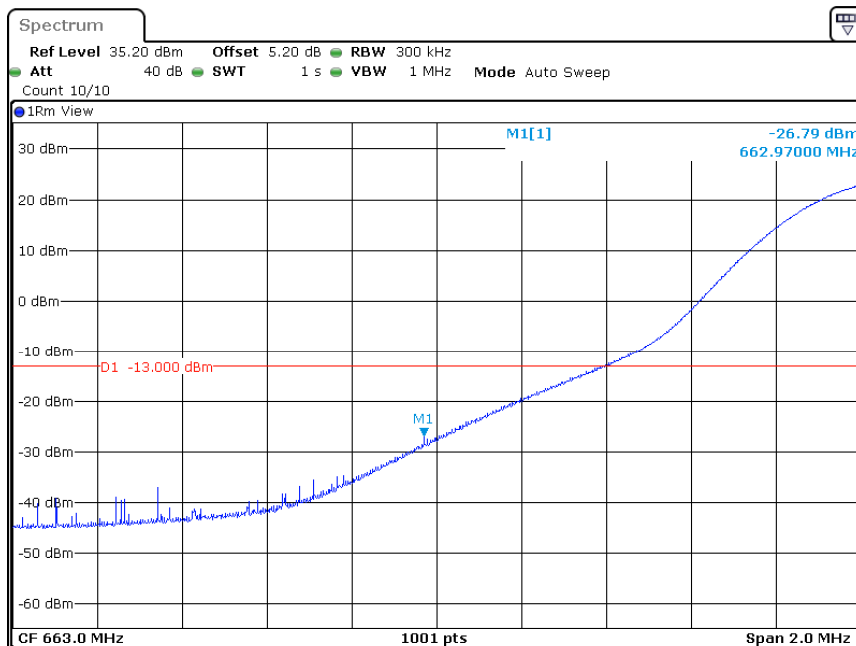


Band71-20MHz-64QAM-133372-100RB#0



Date: 12.AUG.2020 13:20:22

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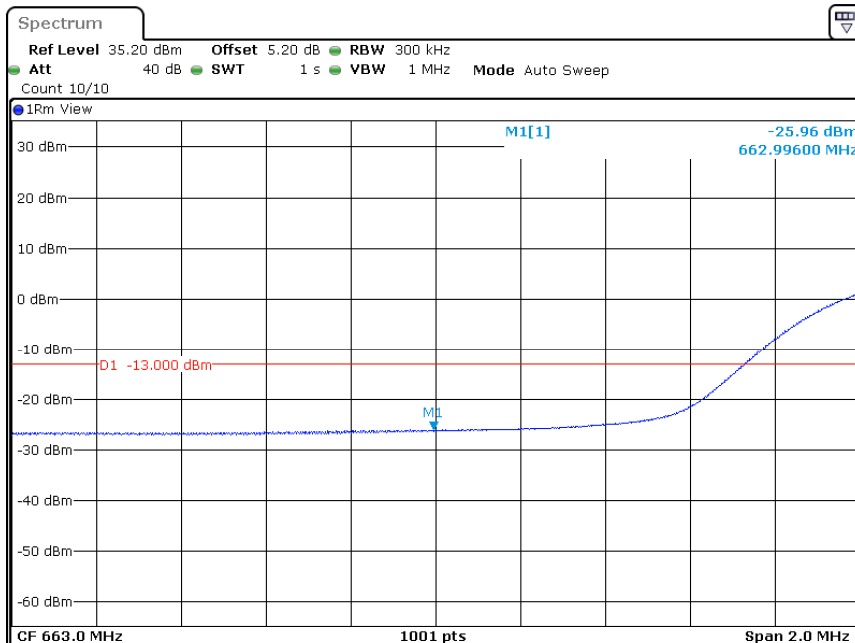


Date: 16.JUL.2020 05:27:20



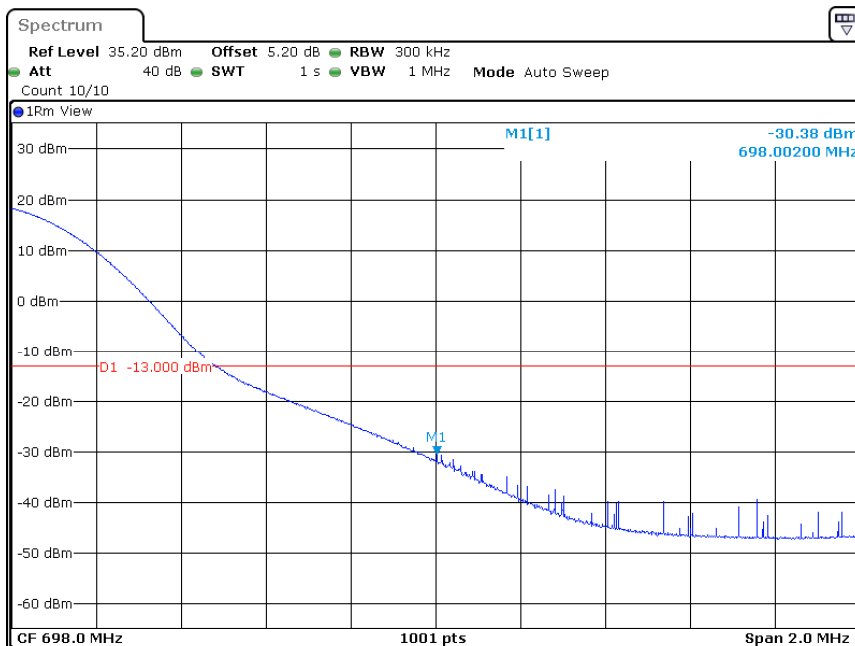


Band71-20MHz-16QAM-133222-100RB#0



Date: 16 JUL 2020 05:28:01

Band71-20MHz-16QAM-133372-1RB#99



Date: 16 JUL 2020 05:28:47



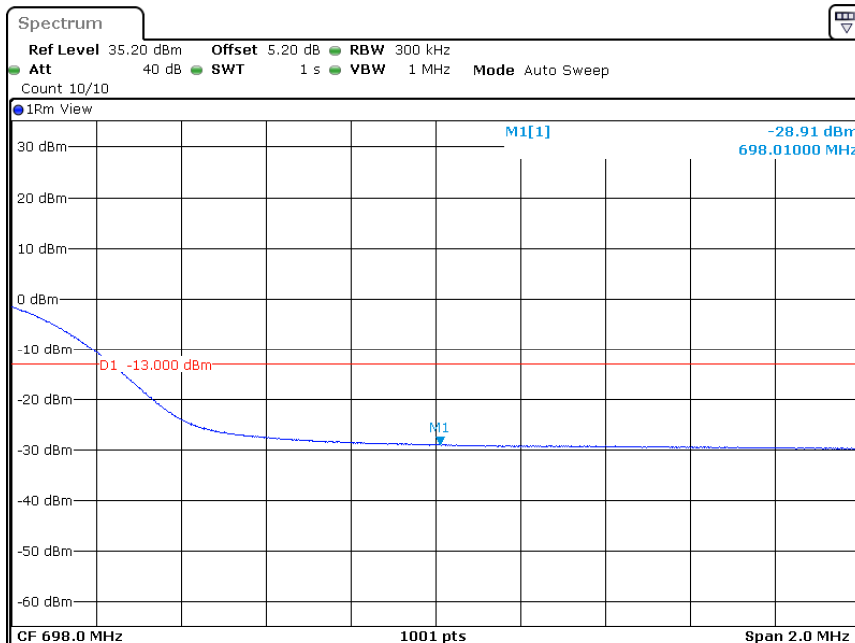
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Band71-20MHz-16QAM-133372-100RB#0



Date: 16 JUL 2020 05:29:29



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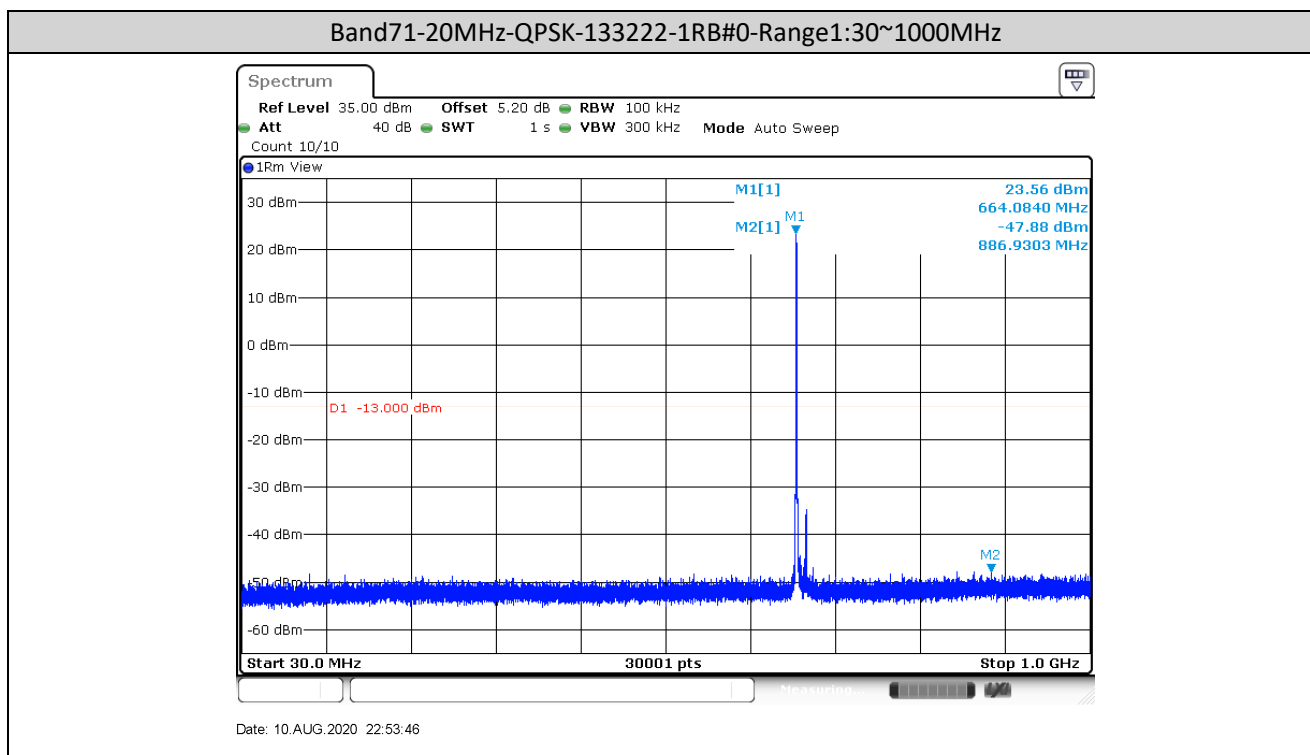
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6. Spurious Emission at Antenna Terminal

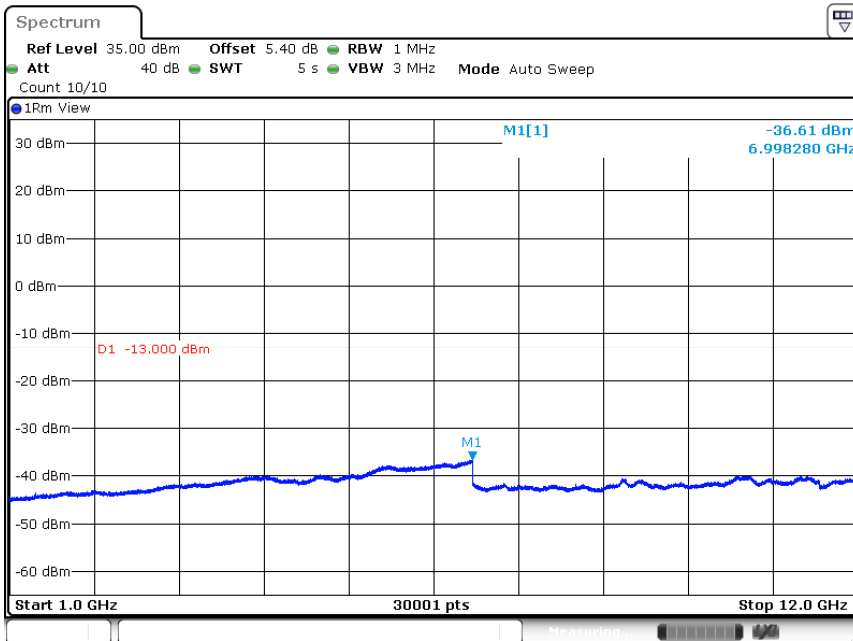
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

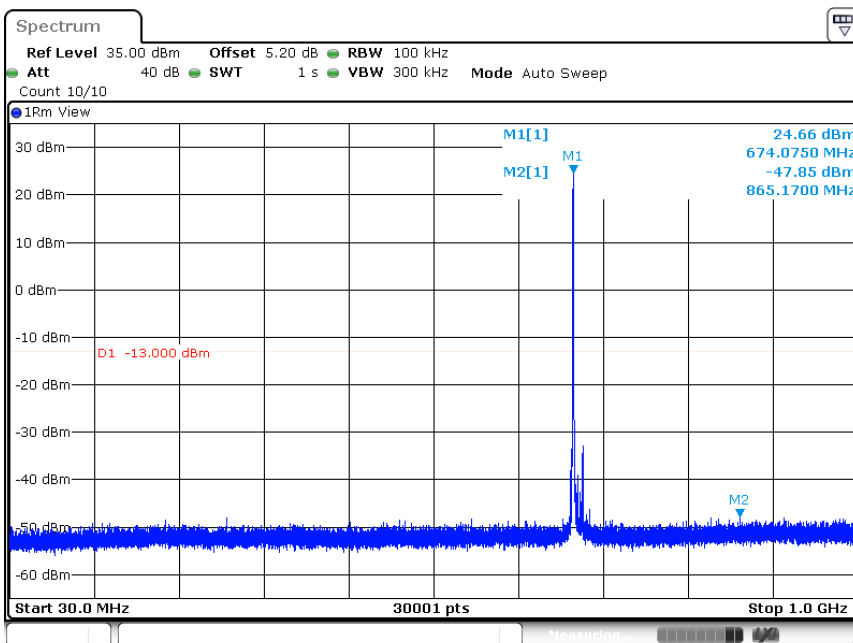


Band71-20MHz-QPSK-133222-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:54:54

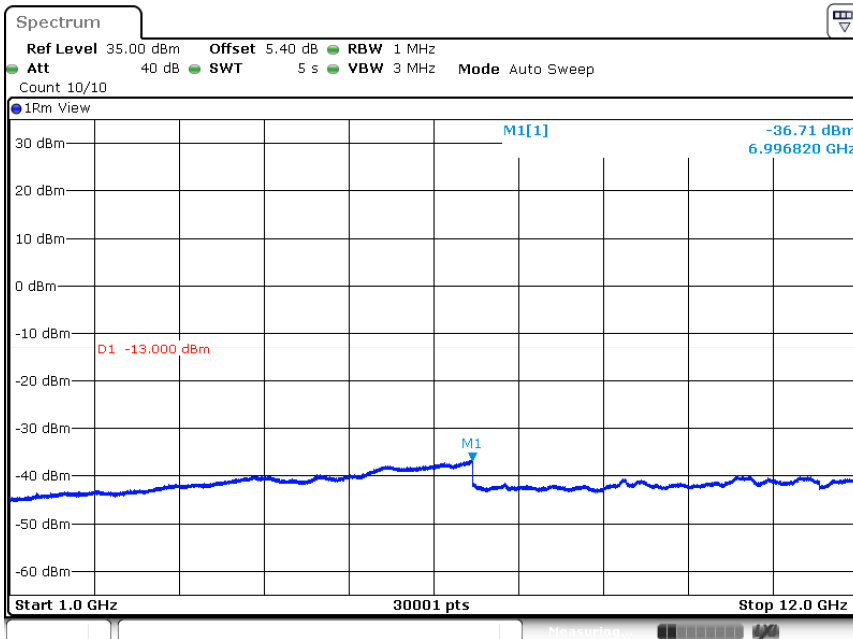
Band71-20MHz-QPSK-133322-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:56:41

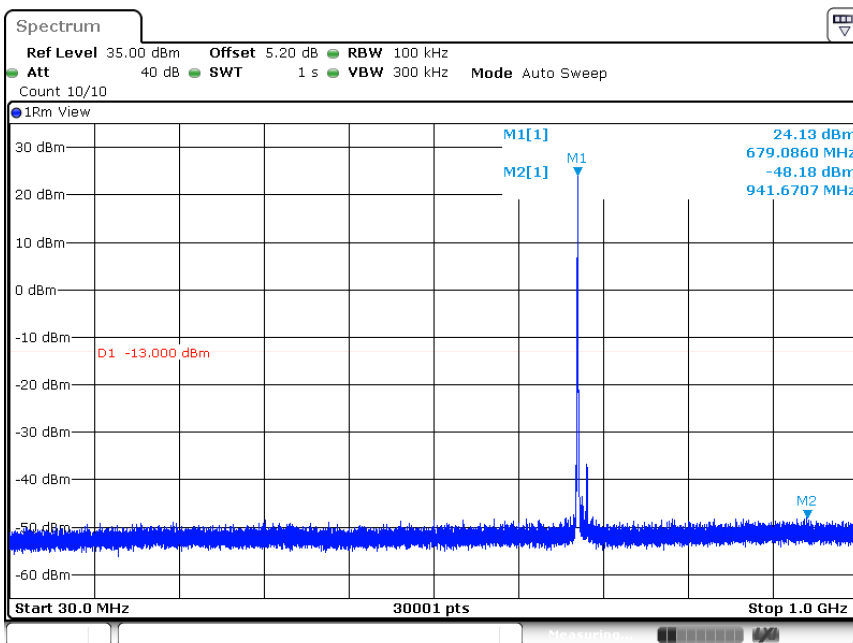


Band71-20MHz-QPSK-133322-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:57:48

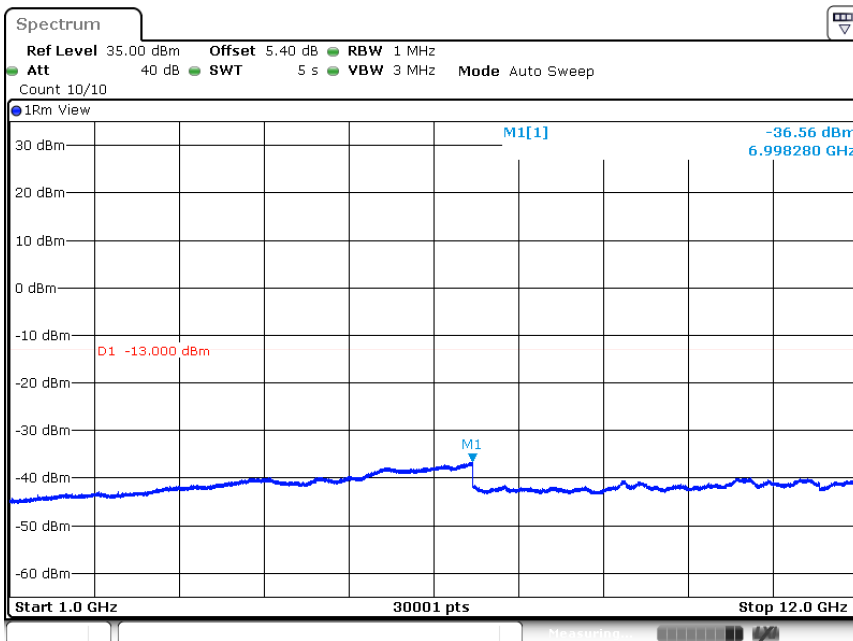
Band71-20MHz-QPSK-133372-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:59:35

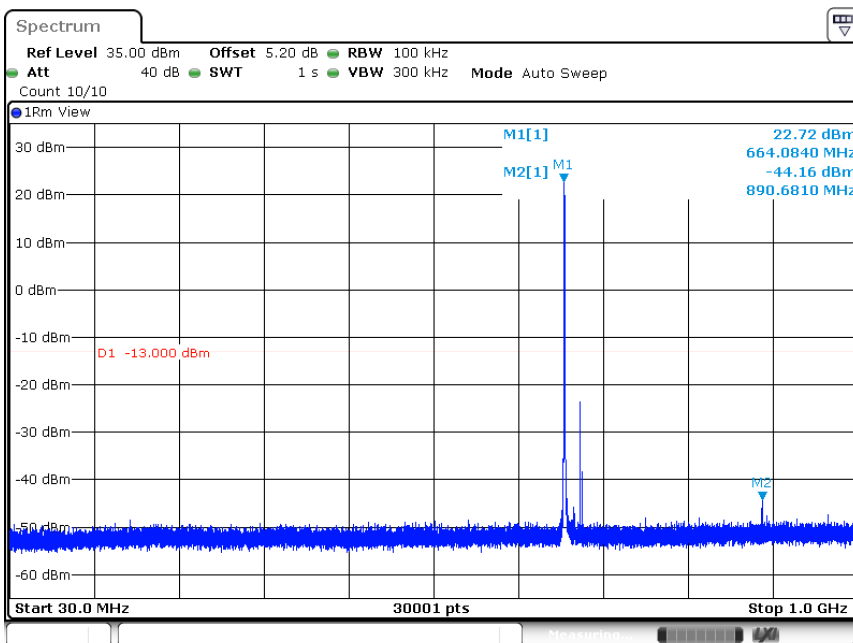


Band71-20MHz-QPSK-133372-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 23:00:43

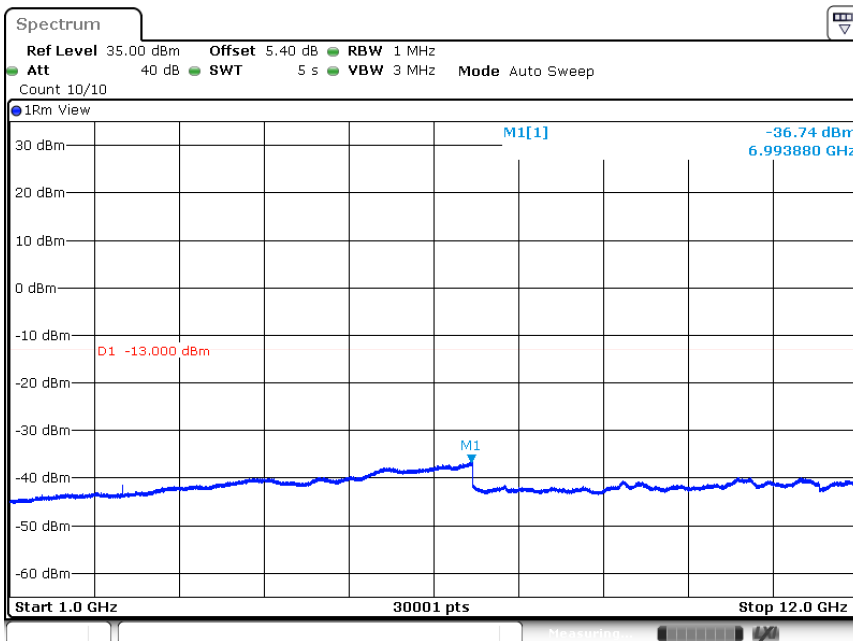
Band71-20MHz-64QAM-133222-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 13:20:47

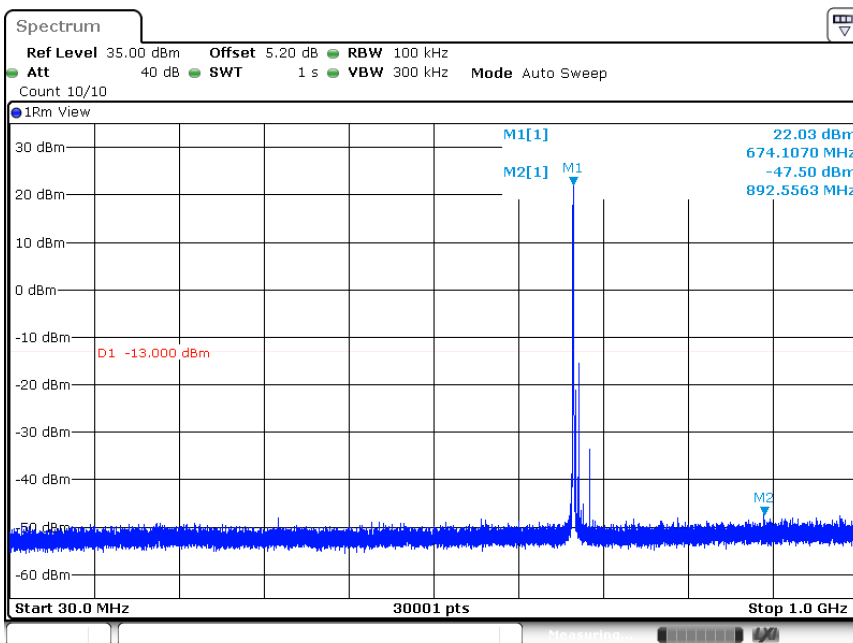


Band71-20MHz-64QAM-133222-1RB#0-Range2:1000~12000MHz



Date: 12.AUG.2020 13:21:54

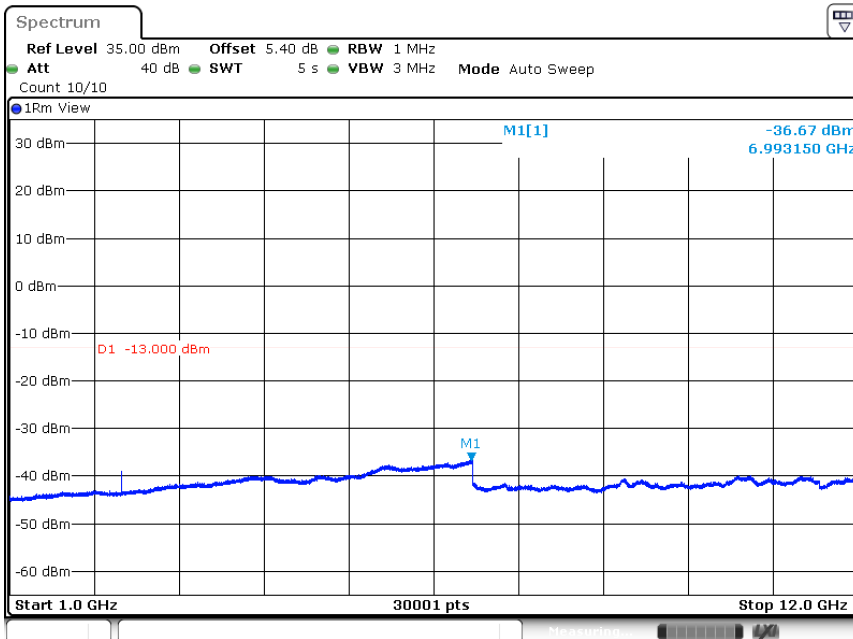
Band71-20MHz-64QAM-133322-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 13:22:14

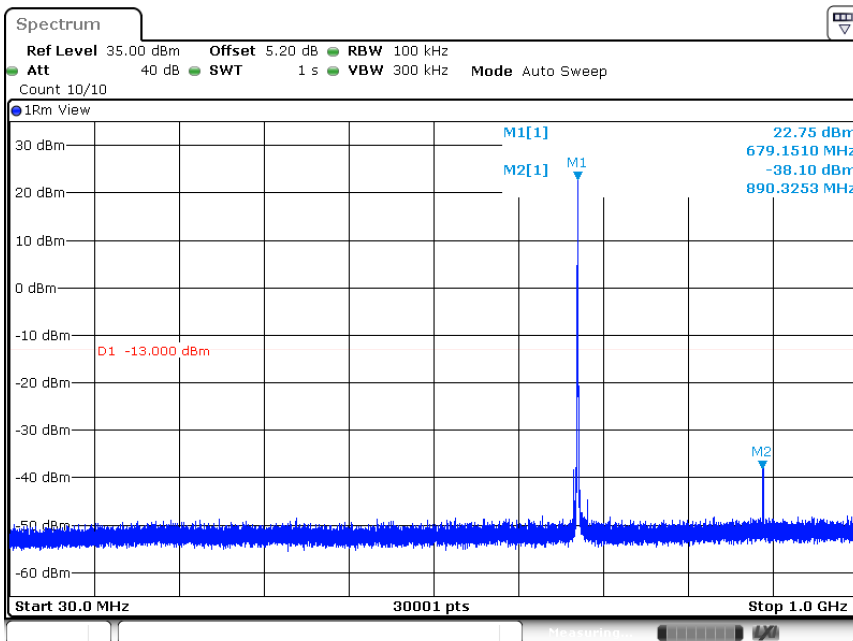


Band71-20MHz-64QAM-133322-1RB#0-Range2:1000~12000MHz



Date: 12.AUG.2020 13:23:21

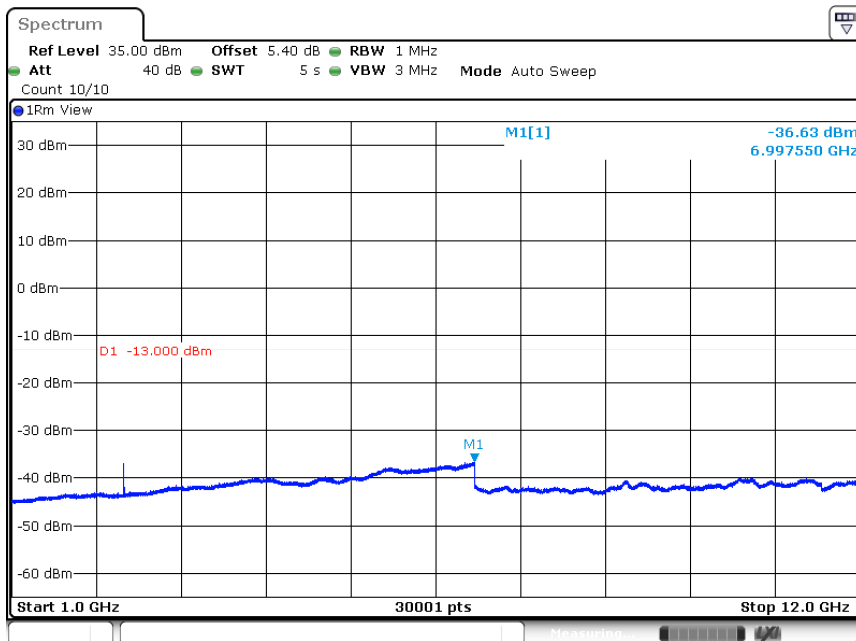
Band71-20MHz-64QAM-133372-1RB#0-Range1:30~1000MHz



Date: 12.AUG.2020 13:23:42

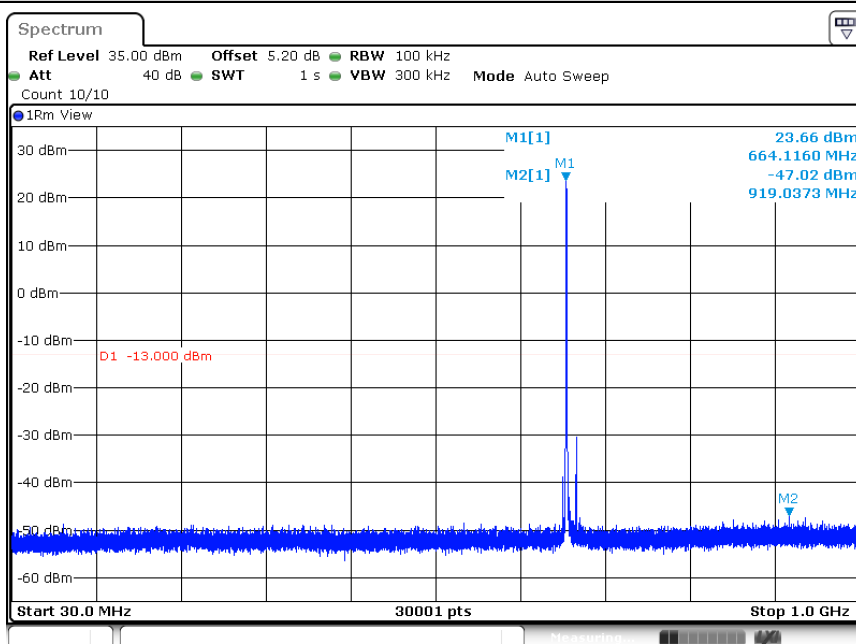


Band71-20MHz-64QAM-133372-1RB#0-Range2:1000~12000MHz



Date: 12.AUG.2020 13:24:49

Band71-20MHz-16QAM-133222-1RB#0-Range1:30~1000MHz

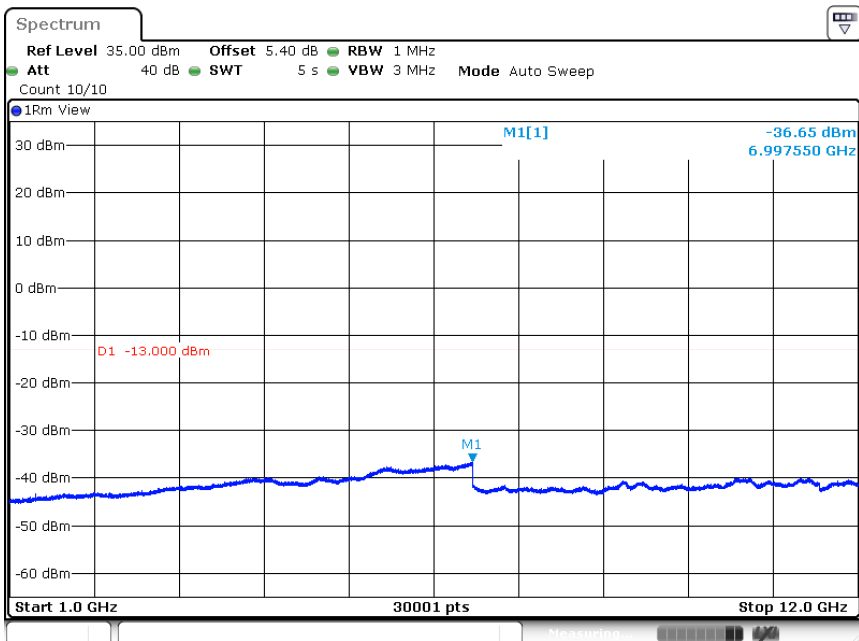


Date: 10.AUG.2020 22:55:13



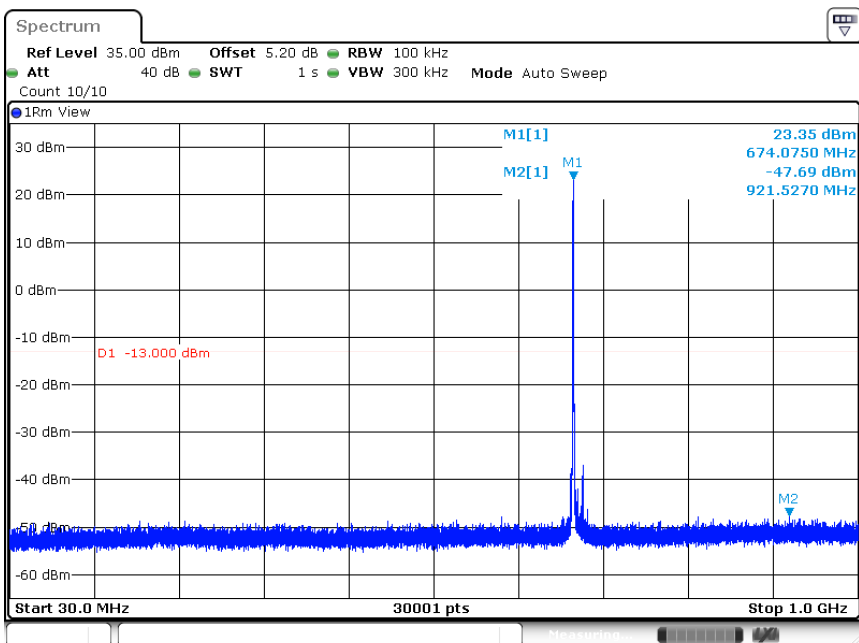
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Band71-20MHz-16QAM-133222-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:56:21

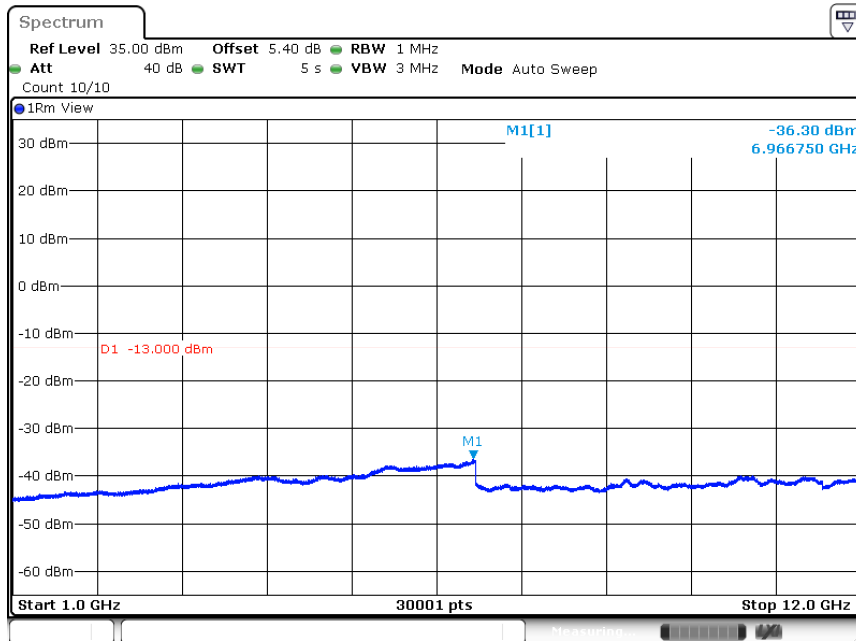
Band71-20MHz-16QAM-133322-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:58:08

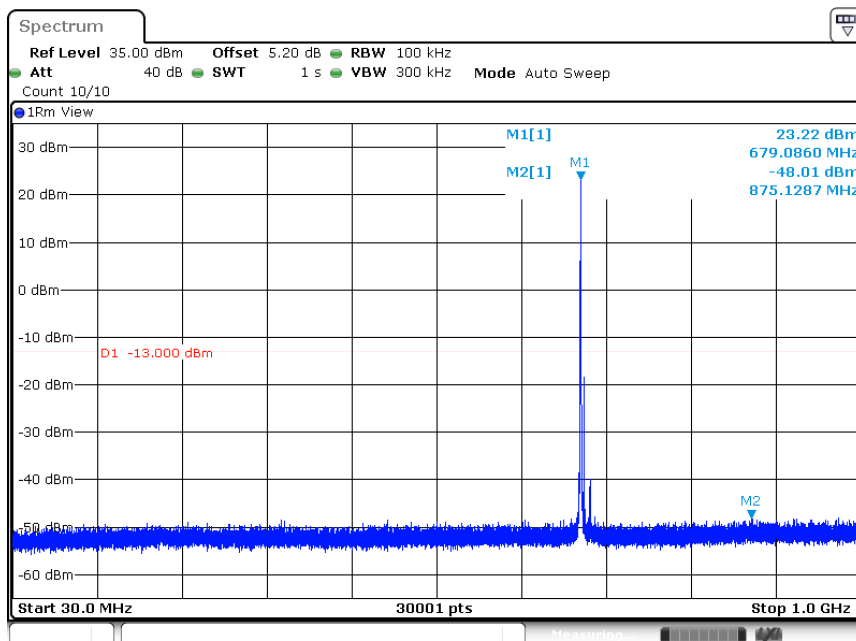


Band71-20MHz-16QAM-133322-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:59:15

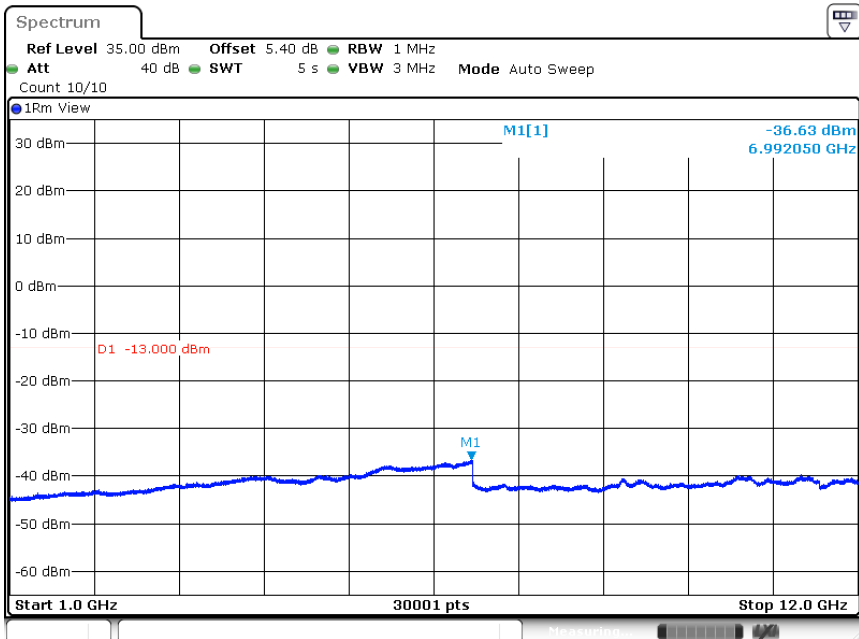
Band71-20MHz-16QAM-133372-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 23:01:02



Band71-20MHz-16QAM-133372-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 23:02:10



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 |
|-----------------|-------------|------------------|-------------|--------------|
| 74.9617 | -63.48 | -13.00 | 50.48 | Vertical |
| 104.1602 | -65.64 | -13.00 | 52.64 | Vertical |
| 1328.0656 | -64.71 | -13.00 | 51.71 | Vertical |
| 2699.1398 | -57.26 | -13.00 | 44.26 | Vertical |
| 14718.4687 | -47.58 | -13.00 | 34.58 | Vertical |
| 17998.8000 | -39.71 | -13.00 | 26.71 | Vertical |
| 40.0885 | -65.38 | -13.00 | 52.38 | Horizontal |
| 243.8472 | -68.68 | -13.00 | 55.68 | Horizontal |
| 1328.0656 | -60.64 | -13.00 | 47.64 | Horizontal |
| 2695.5391 | -56.21 | -13.00 | 43.21 | Horizontal |
| 10031.0812 | -52.36 | -13.00 | 39.36 | Horizontal |
| 16396.1358 | -42.62 | -13.00 | 29.62 | Horizontal |

7.1.2.Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 73.5067 | -64.24 | -13.00 | 51.24 | Vertical |
| 305.5908 | -69.77 | -13.00 | 56.77 | Vertical |
| 1699.7399 | -62.27 | -13.00 | 49.27 | Vertical |
| 3000.0000 | -56.37 | -13.00 | 43.37 | Vertical |
| 8531.0212 | -55.70 | -13.00 | 42.70 | Vertical |
| 17998.1999 | -39.47 | -13.00 | 26.47 | Vertical |
| 41.1071 | -64.18 | -13.00 | 51.18 | Horizontal |
| 239.6275 | -68.58 | -13.00 | 55.58 | Horizontal |
| 2014.6029 | -59.71 | -13.00 | 46.71 | Horizontal |
| 2697.5395 | -56.02 | -13.00 | 43.02 | Horizontal |
| 7458.1783 | -56.32 | -13.00 | 43.32 | Horizontal |
| 16396.7359 | -42.93 | -13.00 | 29.93 | Horizontal |



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7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 74.4767 | -64.83 | -13.00 | 51.83 | Vertical |
| 109.4955 | -64.86 | -13.00 | 51.86 | Vertical |
| 1358.0716 | -61.99 | -13.00 | 48.99 | Vertical |
| 7457.5783 | -55.95 | -13.00 | 42.95 | Vertical |
| 14308.6523 | -49.15 | -13.00 | 36.15 | Vertical |
| 17998.8000 | -40.29 | -13.00 | 27.29 | Vertical |
| 44.8417 | -63.52 | -13.00 | 50.52 | Horizontal |
| 241.4706 | -68.32 | -13.00 | 55.32 | Horizontal |
| 1358.0716 | -57.12 | -13.00 | 44.12 | Horizontal |
| 2037.4075 | -57.94 | -13.00 | 44.94 | Horizontal |
| 7486.3795 | -56.39 | -13.00 | 43.39 | Horizontal |
| 16395.5358 | -43.09 | -13.00 | 30.09 | 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 |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | VL | NT | 1.40 | 0.002080 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | VN | NT | 1.30 | 0.001932 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | VH | NT | 0.70 | 0.001040 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | VL | NT | 2.20 | 0.003221 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | VN | NT | 1.40 | 0.002050 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | VH | NT | 1.10 | 0.001611 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | VL | NT | 0.00 | 0.000000 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | VN | NT | 2.10 | 0.003052 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | VH | NT | 1.00 | 0.001453 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | VL | NT | 0.60 | 0.000892 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | VN | NT | -0.50 | -0.000743 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | VH | NT | -0.20 | -0.000297 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | VL | NT | 0.00 | 0.000000 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | VN | NT | 0.40 | 0.000586 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | VH | NT | -1.10 | -0.001611 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | VL | NT | 1.00 | 0.001453 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | VN | NT | 1.10 | 0.001599 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | VH | NT | 0.20 | 0.000291 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | VL | NT | 0.70 | 0.001040 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | VN | NT | 1.70 | 0.002526 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | VH | NT | -2.30 | -0.003418 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | VL | NT | 0.70 | 0.001025 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | VN | NT | -0.90 | -0.001318 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | VH | NT | 0.50 | 0.000732 | ±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 |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | -30 | -1.10 | -0.001634 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | -20 | 0.30 | 0.000446 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 0 | -2.10 | -0.003120 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|--------|---------|----|-----|-------|-----------|------|------|
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 10 | 0.30 | 0.000446 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 20 | 1.40 | 0.002080 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 30 | -0.30 | -0.000446 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 40 | 1.20 | 0.001783 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133222 | 100RB#0 | NV | 50 | -0.80 | -0.001189 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | -30 | -1.00 | -0.001464 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | -20 | 2.50 | 0.003660 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 0 | 0.50 | 0.000732 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 10 | 1.50 | 0.002196 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 20 | -0.80 | -0.001171 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 30 | 0.20 | 0.000293 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 40 | 0.90 | 0.001318 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133322 | 100RB#0 | NV | 50 | 0.00 | 0.000000 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | -30 | 0.20 | 0.000291 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | -20 | 1.70 | 0.002471 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 0 | 0.70 | 0.001017 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 10 | 0.50 | 0.000727 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 20 | 3.20 | 0.004651 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 30 | -1.20 | -0.001744 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 40 | 0.20 | 0.000291 | ±2.5 | PASS |
| Band71 | 20MHz | QPSK | 133372 | 100RB#0 | NV | 50 | 1.90 | 0.002762 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | -30 | 1.40 | 0.002080 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | -20 | 0.50 | 0.000743 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 0 | -0.50 | -0.000743 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 10 | 0.80 | 0.001189 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 20 | 1.10 | 0.001634 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 30 | -1.40 | -0.002080 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 40 | -1.60 | -0.002377 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133222 | 100RB#0 | NV | 50 | -0.80 | -0.001189 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | -30 | -0.90 | -0.001318 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | -20 | 0.50 | 0.000732 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 0 | -0.60 | -0.000878 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 10 | -0.30 | -0.000439 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 20 | -0.80 | -0.001171 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 30 | 1.50 | 0.002196 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 40 | 0.60 | 0.000878 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133322 | 100RB#0 | NV | 50 | 0.20 | 0.000293 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | -30 | 0.20 | 0.000291 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|--------|---------|----|-----|-------|-----------|------|------|
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | -20 | -1.50 | -0.002180 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 0 | 1.90 | 0.002762 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 10 | 1.00 | 0.001453 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 20 | -1.30 | -0.001890 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 30 | -0.60 | -0.000872 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 40 | 1.50 | 0.002180 | ±2.5 | PASS |
| Band71 | 20MHz | 64QAM | 133372 | 100RB#0 | NV | 50 | -0.40 | -0.000581 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | -30 | -0.50 | -0.000743 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | -20 | 0.20 | 0.000297 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 0 | 3.00 | 0.004458 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 10 | -0.10 | -0.000149 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 20 | 0.90 | 0.001337 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 30 | -1.10 | -0.001634 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 40 | 0.90 | 0.001337 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133222 | 100RB#0 | NV | 50 | 0.20 | 0.000297 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | -30 | -0.30 | -0.000439 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | -20 | 1.20 | 0.001757 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 0 | -1.20 | -0.001757 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 10 | 0.50 | 0.000732 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 20 | 0.90 | 0.001318 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 30 | 1.70 | 0.002489 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 40 | 2.10 | 0.003075 | ±2.5 | PASS |
| Band71 | 20MHz | 16QAM | 133322 | 100RB#0 | NV | 50 | 2.10 | 0.003075 | ±2.5 | PASS |

The End



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA) Calibration Laboratory

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