



# Appendix B

## E-UTRA Band 12



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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | ERP (dBm) | limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|-----------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.8                 | 13.53     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.92                | 13.65     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.75                | 13.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.61                | 13.34     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.64                | 13.37     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.65                | 13.38     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 22.84                | 12.57     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 23.73                | 13.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 23.86                | 13.59     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 23.74                | 13.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 23.68                | 13.41     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 23.62                | 13.35     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 23.64                | 13.37     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 22.83                | 12.56     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 23.73                | 13.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 23.94                | 13.67     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 23.74                | 13.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 23.61                | 13.34     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1            | 23.6                 | 13.33     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#3            | 23.66                | 13.39     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 22.84                | 12.57     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#0            | 21.75                | 11.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#2            | 21.41                | 11.14     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#5            | 21.66                | 11.39     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#0            | 21.6                 | 11.33     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#1            | 21.59                | 11.32     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#3            | 21.56                | 11.29     | 34.77       | PASS    |



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|        |        |       |       |       |       |       |       |      |
|--------|--------|-------|-------|-------|-------|-------|-------|------|
| Band12 | 1.4MHz | 64QAM | 23017 | 6RB#0 | 20.76 | 10.49 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#5 | 21.72 | 11.45 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#0 | 21.54 | 11.27 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#2 | 21.45 | 11.18 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#1 | 21.62 | 11.35 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#3 | 21.44 | 11.17 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#0 | 21.31 | 11.04 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 6RB#0 | 20.5  | 10.23 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#0 | 21.63 | 11.36 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#2 | 21.62 | 11.35 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#5 | 21.46 | 11.19 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#0 | 21.49 | 11.22 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#1 | 21.47 | 11.2  | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#3 | 21.31 | 11.04 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 6RB#0 | 20.53 | 10.26 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2 | 22.97 | 12.7  | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | 23.1  | 12.83 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 23.05 | 12.78 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1 | 22.67 | 12.4  | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0 | 22.65 | 12.38 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3 | 22.68 | 12.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 22.08 | 11.81 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 22.83 | 12.56 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5 | 23.23 | 12.96 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2 | 22.9  | 12.63 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1 | 22.57 | 12.3  | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0 | 22.61 | 12.34 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3 | 22.68 | 12.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 22.05 | 11.78 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 22.91 | 12.64 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | 23.4  | 13.13 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2 | 22.82 | 12.55 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0 | 22.65 | 12.38 | 34.77 | PASS |



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|        |        |       |       |        |       |       |       |      |
|--------|--------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.61 | 12.34 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.63 | 12.36 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 22.01 | 11.74 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.74 | 13.47 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.8  | 13.53 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.88 | 13.61 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.81 | 12.54 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.92 | 12.65 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.77 | 12.5  | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.86 | 12.59 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 23.74 | 13.47 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 24.1  | 13.83 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 23.93 | 13.66 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 22.78 | 12.51 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 22.85 | 12.58 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 22.87 | 12.6  | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 22.89 | 12.62 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 23.84 | 13.57 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 23.88 | 13.61 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 23.68 | 13.41 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#7  | 22.81 | 12.54 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#4  | 22.81 | 12.54 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#0  | 22.74 | 12.47 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 15RB#0 | 22.76 | 12.49 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 1RB#0  | 21.72 | 11.45 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 1RB#8  | 21.44 | 11.17 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 1RB#14 | 21.67 | 11.4  | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 8RB#4  | 20.73 | 10.46 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 8RB#7  | 20.85 | 10.58 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 8RB#0  | 20.51 | 10.24 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23025 | 15RB#0 | 20.75 | 10.48 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23095 | 1RB#14 | 21.74 | 11.47 | 34.77 | PASS |
| Band12 | 3MHz   | 64QAM | 23095 | 1RB#0  | 21.5  | 11.23 | 34.77 | PASS |



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|        |      |       |       |        |       |       |       |      |
|--------|------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 3MHz | 64QAM | 23095 | 1RB#8  | 21.47 | 11.2  | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#0  | 20.7  | 10.43 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#4  | 20.78 | 10.51 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#7  | 20.55 | 10.28 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 15RB#0 | 20.51 | 10.24 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#8  | 21.62 | 11.35 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#0  | 21.62 | 11.35 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#14 | 21.45 | 11.18 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#0  | 20.88 | 10.61 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#4  | 20.83 | 10.56 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#7  | 20.74 | 10.47 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 15RB#0 | 20.53 | 10.26 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0  | 23.23 | 12.96 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8  | 23.32 | 13.05 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 22.9  | 12.63 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4  | 22.1  | 11.83 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0  | 21.93 | 11.66 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7  | 21.84 | 11.57 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 21.9  | 11.63 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8  | 22.89 | 12.62 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 23.09 | 12.82 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0  | 23.07 | 12.8  | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0  | 22.05 | 11.78 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4  | 21.83 | 11.56 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7  | 21.8  | 11.53 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 21.81 | 11.54 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8  | 23.18 | 12.91 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 23.09 | 12.82 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0  | 22.95 | 12.68 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4  | 22.04 | 11.77 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7  | 21.87 | 11.6  | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0  | 21.87 | 11.6  | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 21.83 | 11.56 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.64 | 13.37 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.85 | 13.58 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.8  | 13.53 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.84 | 12.57 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.87 | 12.6  | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.95 | 12.68 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.89 | 12.62 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 23.73 | 13.46 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 23.74 | 13.47 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 23.61 | 13.34 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.85 | 12.58 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.87 | 12.6  | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.79 | 12.52 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.9  | 12.63 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 23.61 | 13.34 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 23.74 | 13.47 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 23.8  | 13.53 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 22.78 | 12.51 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 22.92 | 12.65 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 22.84 | 12.57 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 22.74 | 12.47 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#0   | 21.87 | 11.6  | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#12  | 21.56 | 11.29 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#24  | 21.79 | 11.52 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#6  | 20.86 | 10.59 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#0  | 20.96 | 10.69 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#13 | 20.63 | 10.36 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 25RB#0  | 20.9  | 10.63 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#24  | 21.86 | 11.59 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#0   | 21.64 | 11.37 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#12  | 21.59 | 11.32 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#0  | 20.84 | 10.57 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#6  | 20.91 | 10.64 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz  | 64QAM | 23095 | 12RB#13 | 20.7  | 10.43 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23095 | 25RB#0  | 20.63 | 10.36 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#12  | 21.77 | 11.5  | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#24  | 21.76 | 11.49 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#0   | 21.58 | 11.31 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#13 | 21    | 10.73 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#0  | 20.95 | 10.68 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#6  | 20.85 | 10.58 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 25RB#0  | 20.68 | 10.41 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#0   | 23.11 | 12.84 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#12  | 23.27 | 13    | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#24  | 22.96 | 12.69 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#6  | 22.06 | 11.79 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#13 | 21.78 | 11.51 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#0  | 21.95 | 11.68 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 25RB#0  | 21.89 | 11.62 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0   | 23.15 | 12.88 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#12  | 22.98 | 12.71 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#24  | 23.23 | 12.96 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#6  | 22.11 | 11.84 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#0  | 21.83 | 11.56 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#13 | 21.77 | 11.5  | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 25RB#0  | 21.84 | 11.57 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0   | 23.22 | 12.95 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 23.07 | 12.8  | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 22.89 | 12.62 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 22.04 | 11.77 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.84 | 11.57 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.78 | 11.51 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.9  | 11.63 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.72 | 13.45 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.79 | 13.52 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 23.93 | 13.66 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.79 | 12.52 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.86 | 12.59 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.89 | 12.62 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.9  | 12.63 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.81 | 13.54 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.87 | 13.6  | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.9  | 13.63 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.86 | 12.59 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 22.84 | 12.57 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.93 | 12.66 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.85 | 12.58 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 23.84 | 13.57 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 23.74 | 13.47 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 23.9  | 13.63 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.94 | 12.67 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 22.87 | 12.6  | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.92 | 12.65 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 22.98 | 12.71 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#49  | 21.99 | 11.72 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0   | 21.7  | 11.43 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#24  | 21.94 | 11.67 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#0  | 20.99 | 10.72 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#12 | 21.09 | 10.82 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#25 | 20.76 | 10.49 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0  | 21    | 10.73 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0   | 22.01 | 11.74 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#24  | 21.77 | 11.5  | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#49  | 21.71 | 11.44 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#12 | 20.94 | 10.67 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#25 | 21.06 | 10.79 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#0  | 20.82 | 10.55 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0  | 20.77 | 10.5  | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#0   | 21.92 | 11.65 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | 64QAM | 23130 | 1RB#24  | 21.89 | 11.62 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49  | 21.73 | 11.46 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#0  | 21.1  | 10.83 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#12 | 21.08 | 10.81 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#25 | 20.98 | 10.71 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0  | 20.81 | 10.54 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.99 | 12.72 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.95 | 12.68 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 23.1  | 12.83 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 22.09 | 11.82 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.84 | 11.57 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 22.05 | 11.78 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.92 | 11.65 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.91 | 12.64 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.66 | 12.39 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 23.02 | 12.75 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 22.1  | 11.83 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.9  | 11.63 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.85 | 11.58 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.89 | 11.62 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 23.17 | 12.9  | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 23.37 | 13.1  | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 23.07 | 12.8  | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 22.14 | 11.87 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.99 | 11.72 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.83 | 11.56 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 22.04 | 11.77 | 34.77 | 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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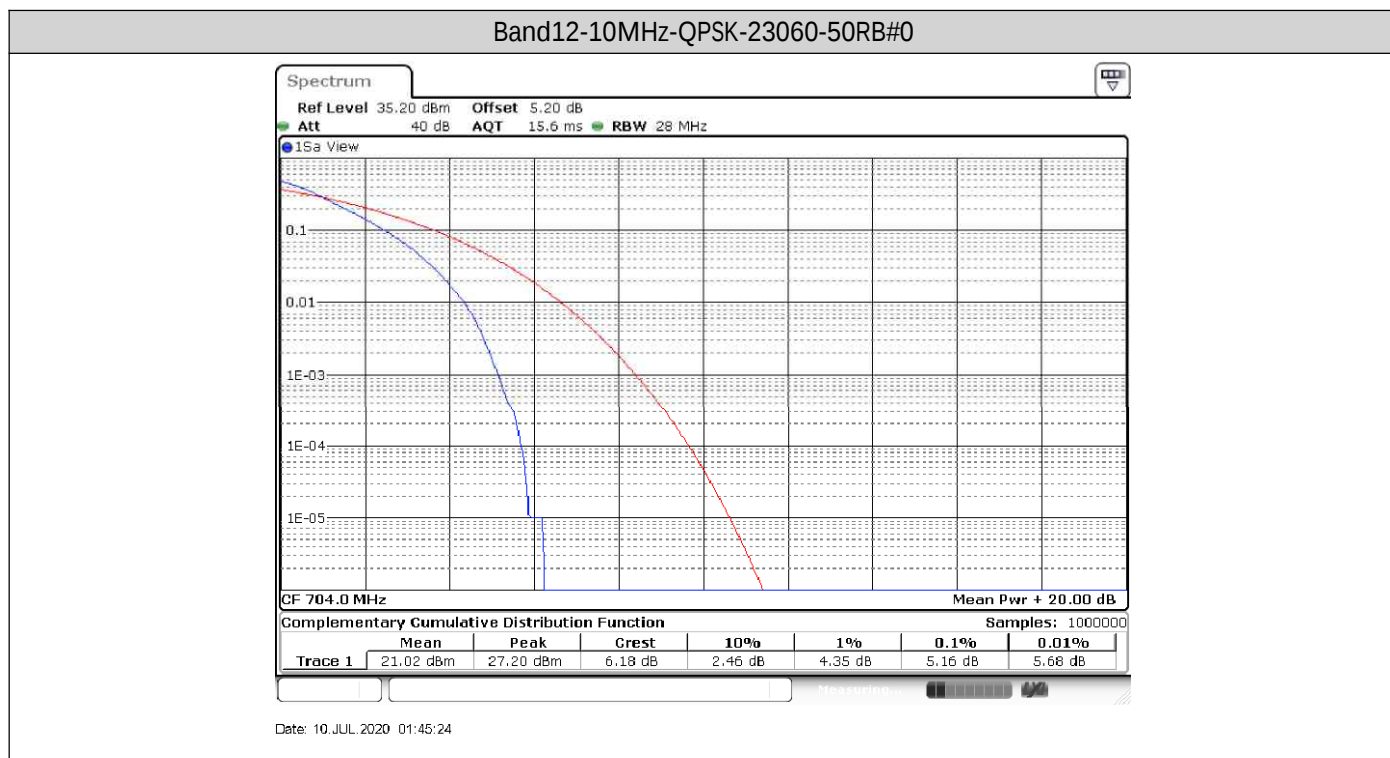


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

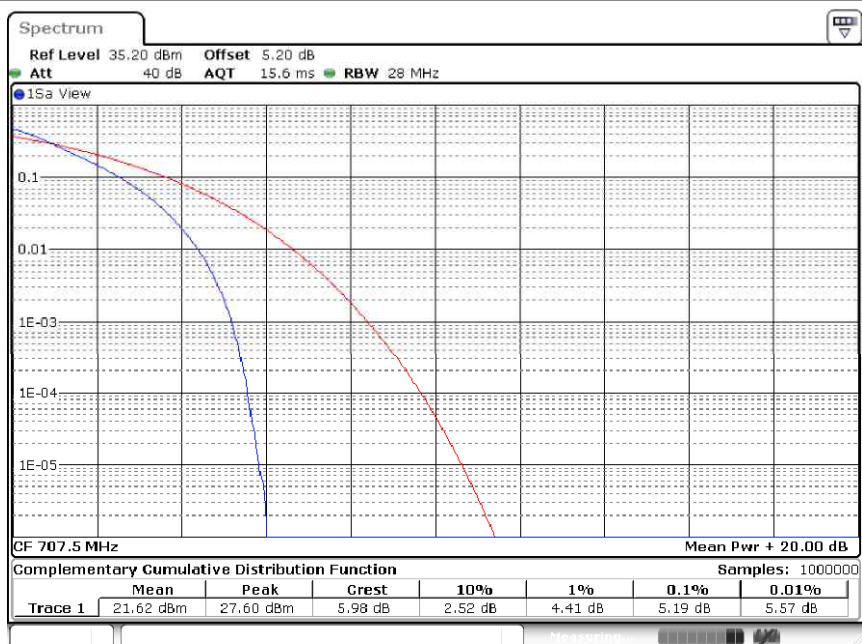
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 5.16       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 5.19       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 5.10       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 6.38       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0           | 6.52       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0           | 6.61       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 5.97       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 5.91       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 5.88       | 13        | PASS    |

### 2.2. Test Plots



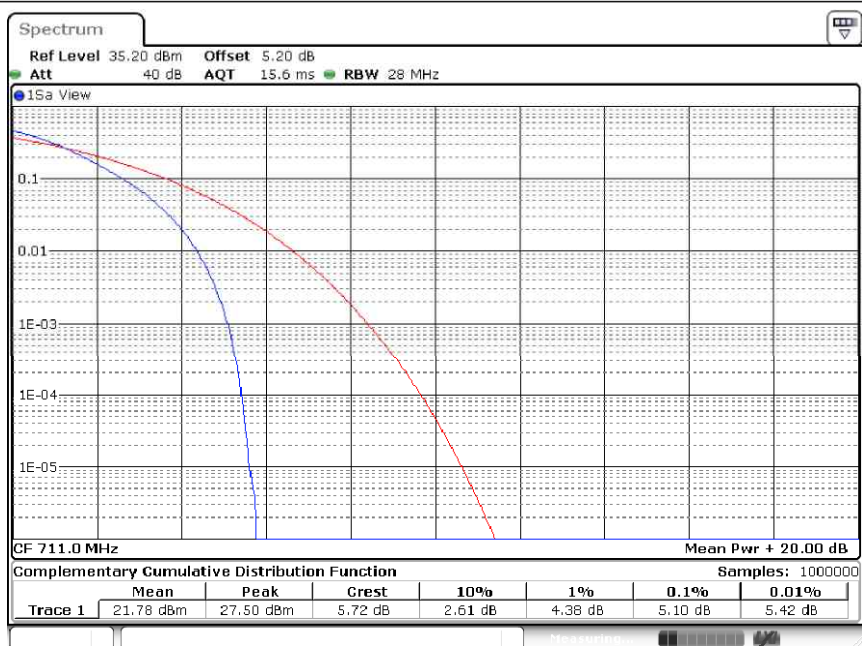


Band12-10MHz-QPSK-23095-50RB#0



Date: 10 JUL 2020 01:45:46

Band12-10MHz-QPSK-23130-50RB#0

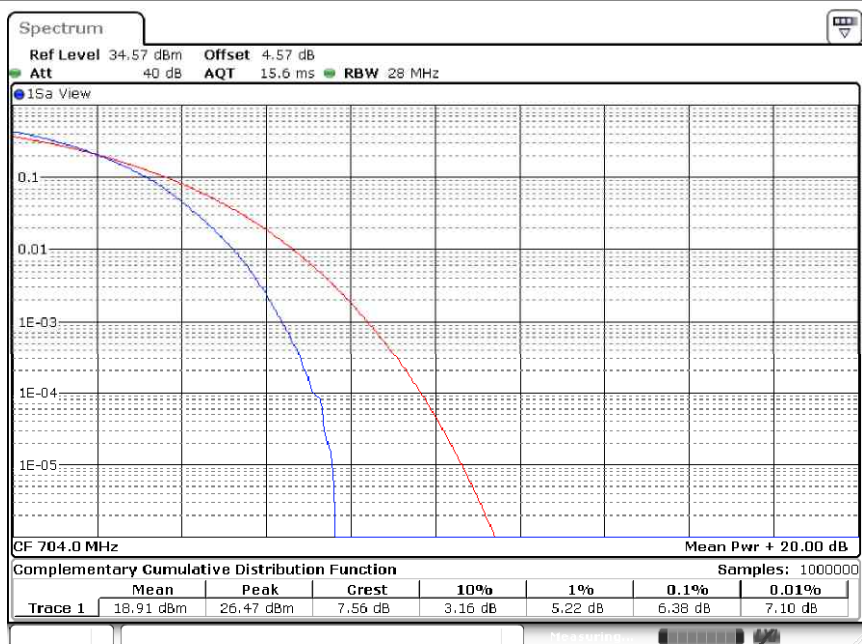


Date: 10 JUL 2020 01:46:09



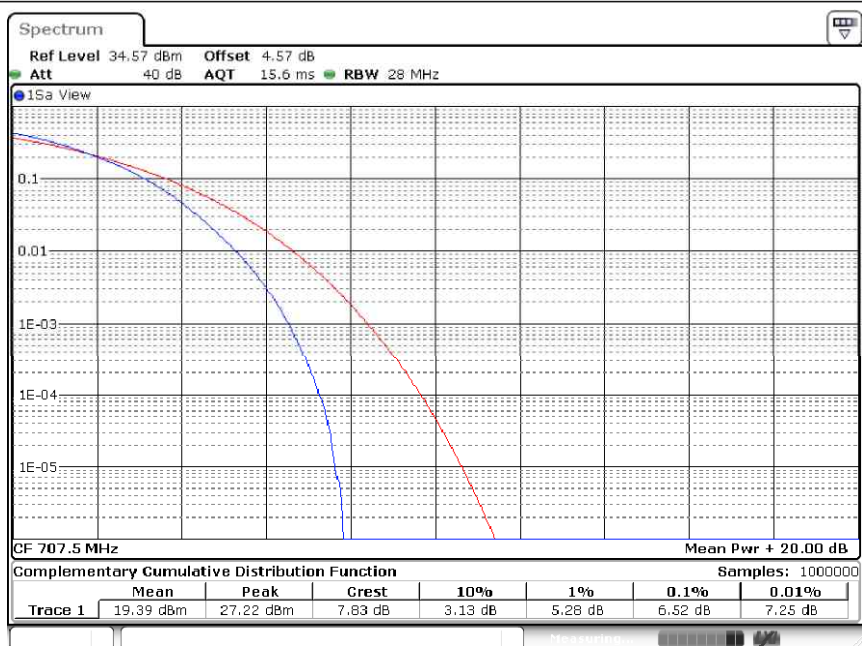


Band12-10MHz-64QAM-23060-50RB#0



Date: 14 JUL 2020 08:37:19

Band12-10MHz-64QAM-23095-50RB#0



Date: 14 JUL 2020 08:37:30

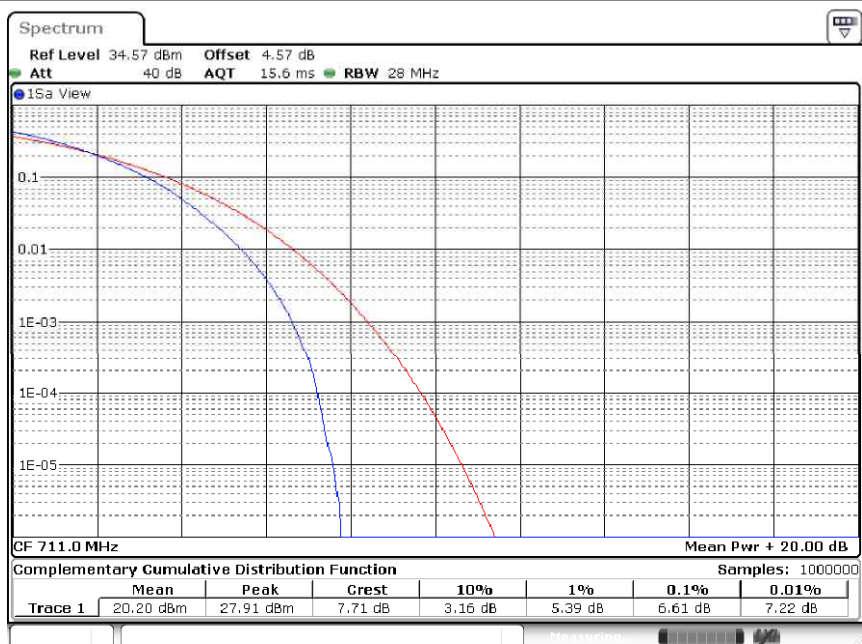


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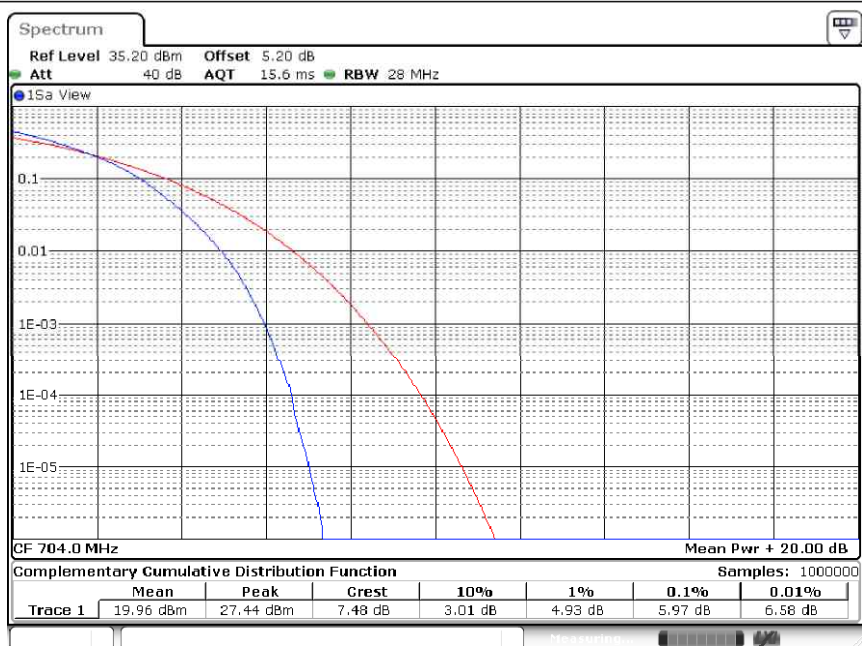


Band12-10MHz-64QAM-23130-50RB#0



Date: 14 JUL 2020 08:37:41

Band12-10MHz-16QAM-23060-50RB#0



Date: 10 JUL 2020 01:45:35



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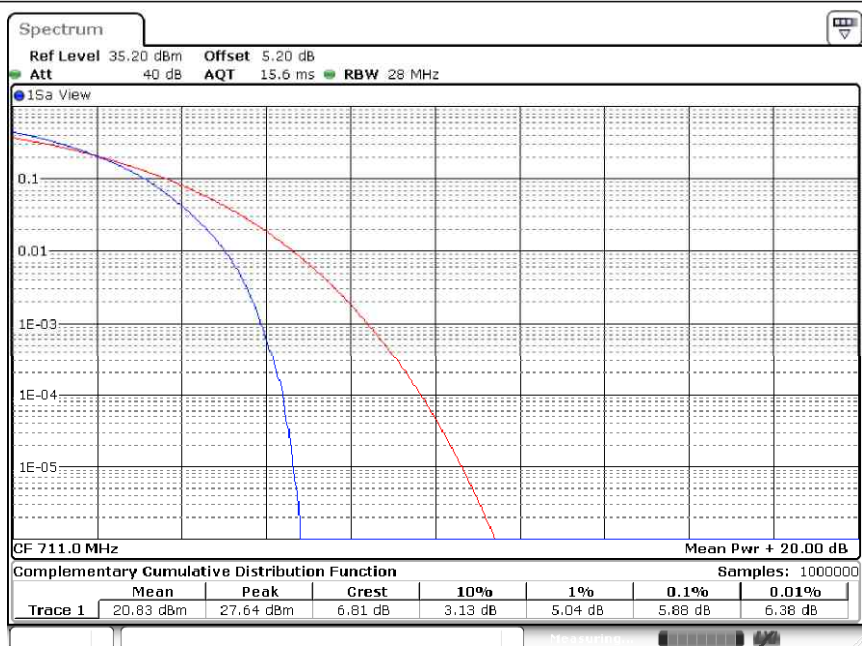


Band12-10MHz-16QAM-23095-50RB#0



Date: 10 JUL 2020 01:45:58

Band12-10MHz-16QAM-23130-50RB#0



Date: 10 JUL 2020 01:46:20



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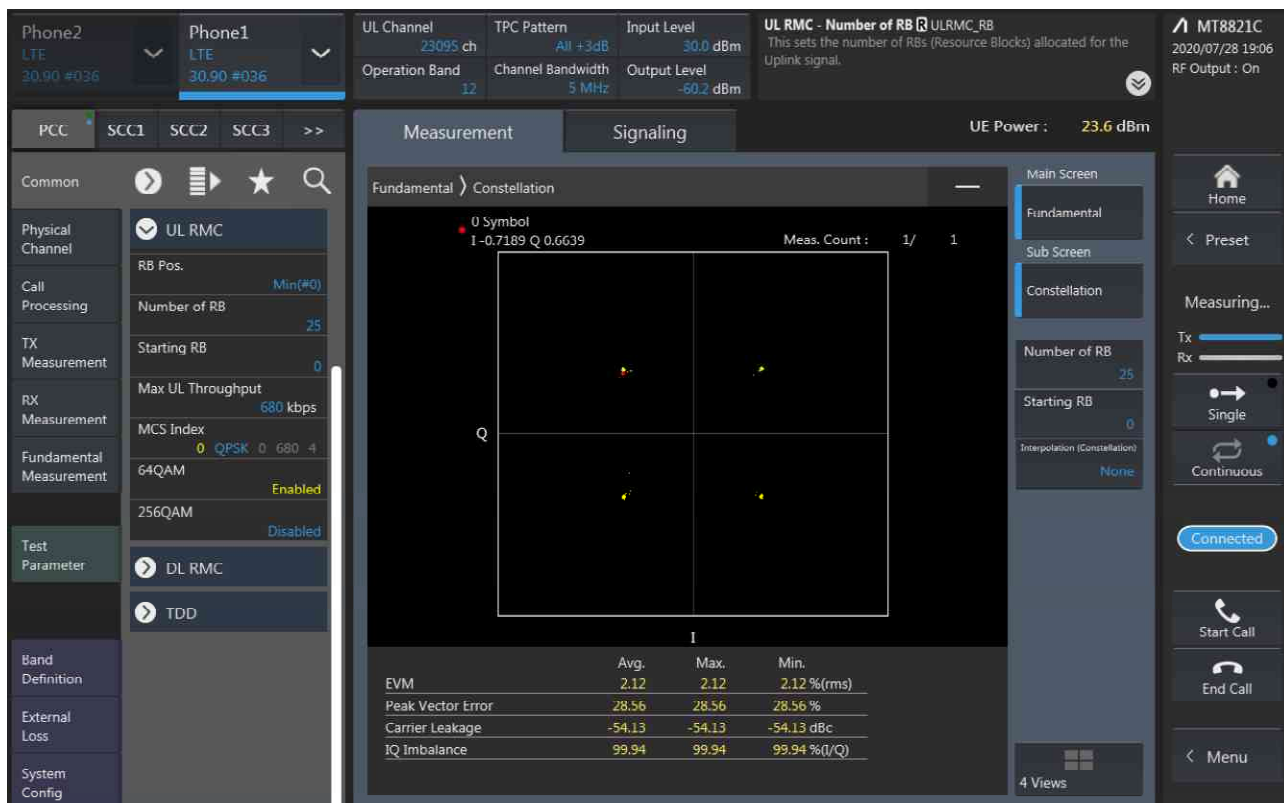
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

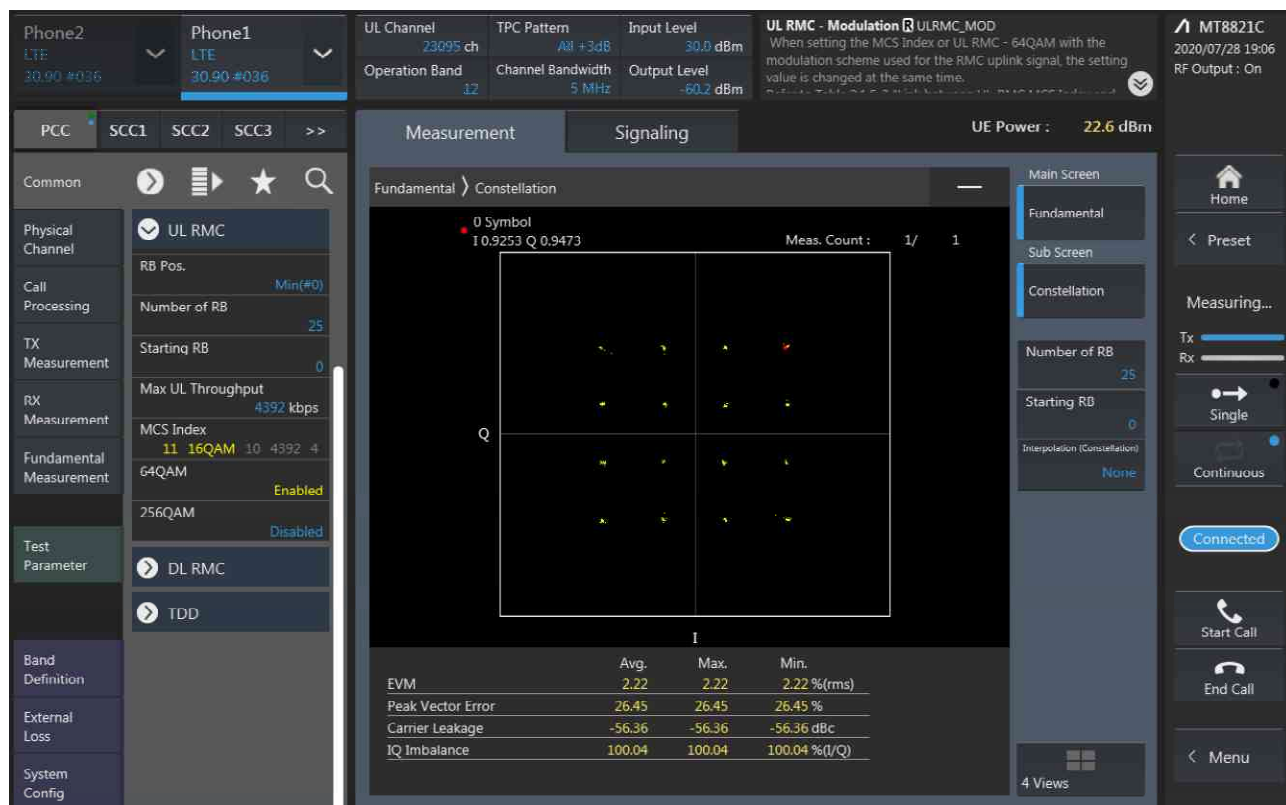
##### 3.1.1. Test Channel = MCH





## 3.2. Test Mode = LTE /TM2 10MHz

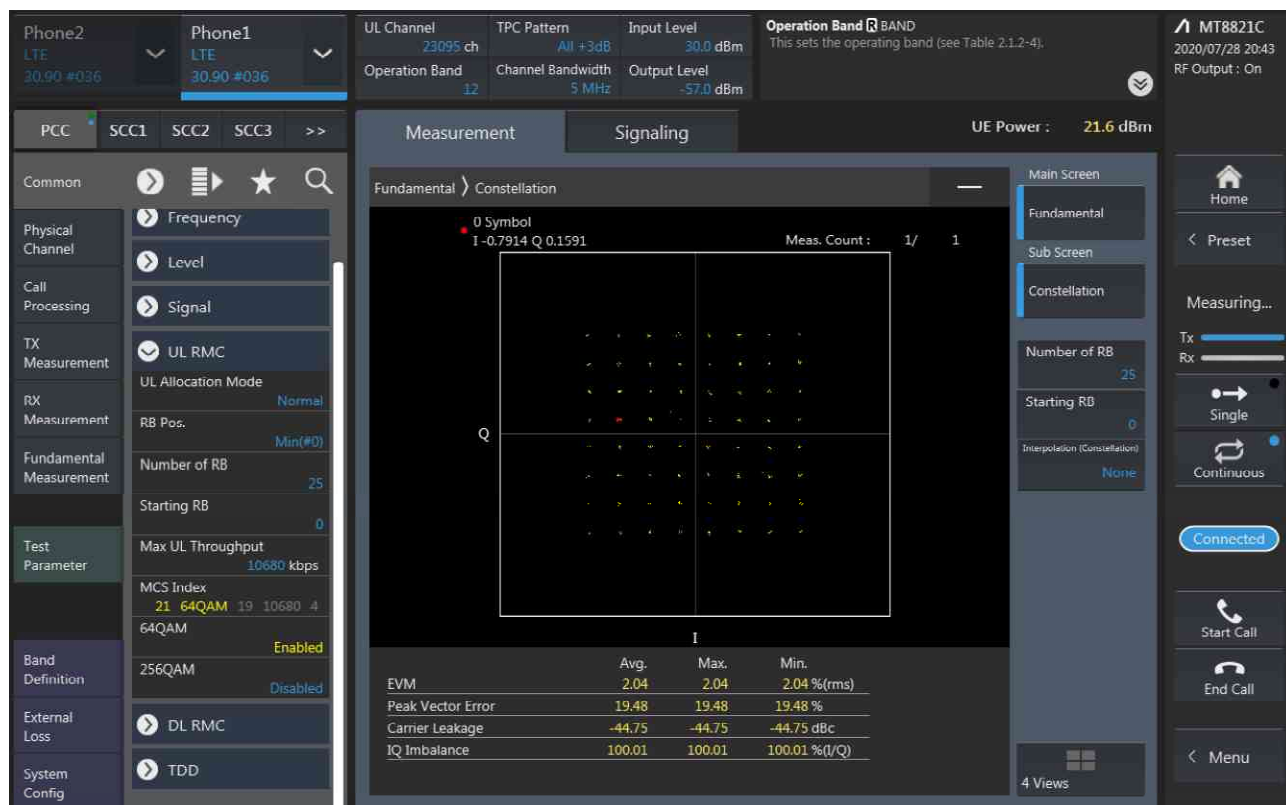
### 3.2.1. Test Channel = MCH





### 3.3. Test Mode = LTE /TM3 10MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 0.911                    | 1.083                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.088                    | 1.290                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.091                    | 1.284                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 6RB#0            | 1.094                    | 1.281                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 6RB#0            | 1.088                    | 1.293                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23173   | 6RB#0            | 1.094                    | 1.284                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.091                    | 1.293                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.094                    | 1.290                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.088                    | 1.278                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.697                    | 2.982                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.691                    | 3.024                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.679                    | 2.928                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23025   | 15RB#0           | 2.685                    | 2.910                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23095   | 15RB#0           | 2.679                    | 2.910                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23165   | 15RB#0           | 2.679                    | 2.910                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.673                    | 2.898                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.679                    | 2.910                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.673                    | 2.898                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.466                    | 5.010                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.486                    | 5.050                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.466                    | 4.990                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23035   | 25RB#0           | 4.486                    | 5.020                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23095   | 25RB#0           | 4.476                    | 5.010                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23155   | 25RB#0           | 4.486                    | 5.000                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.486                    | 5.030                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.496                    | 5.250                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.486                    | 5.050                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.891                    | 9.700                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.971                    | 9.820                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.951                    | 9.820                | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 8.911                    | 9.640                | PASS    |



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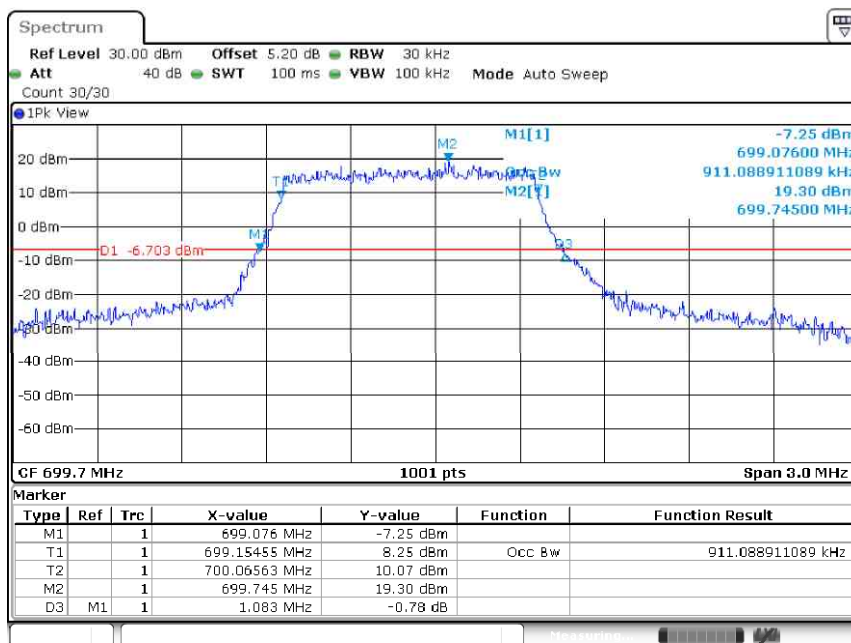
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|        |       |       |       |        |       |        |      |
|--------|-------|-------|-------|--------|-------|--------|------|
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | 8.911 | 9.720  | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | 8.991 | 10.060 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 8.891 | 9.740  | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 8.951 | 9.960  | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 8.951 | 9.840  | PASS |

## 4.2. Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-0.911



Date: 10 JUL 2020 01:19:03



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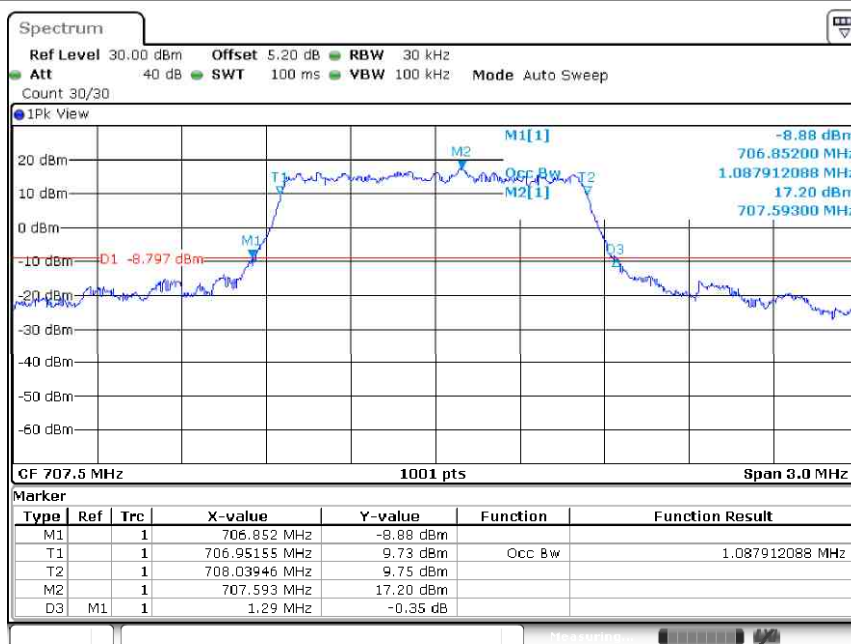
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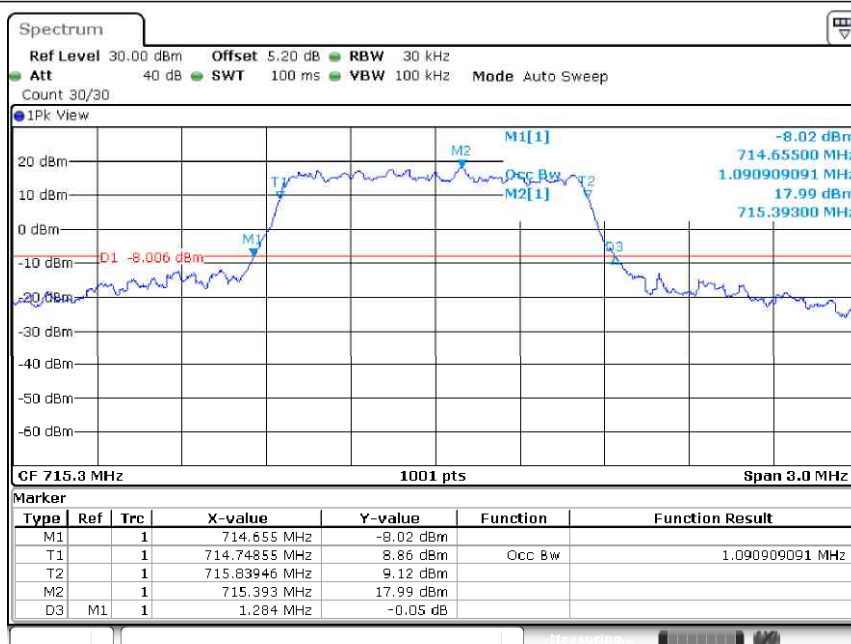


Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 10.JUL.2020 01:19:28

Band12-1.4MHz-QPSK-23173-6RB#0-1.091



Date: 10.JUL.2020 01:19:54



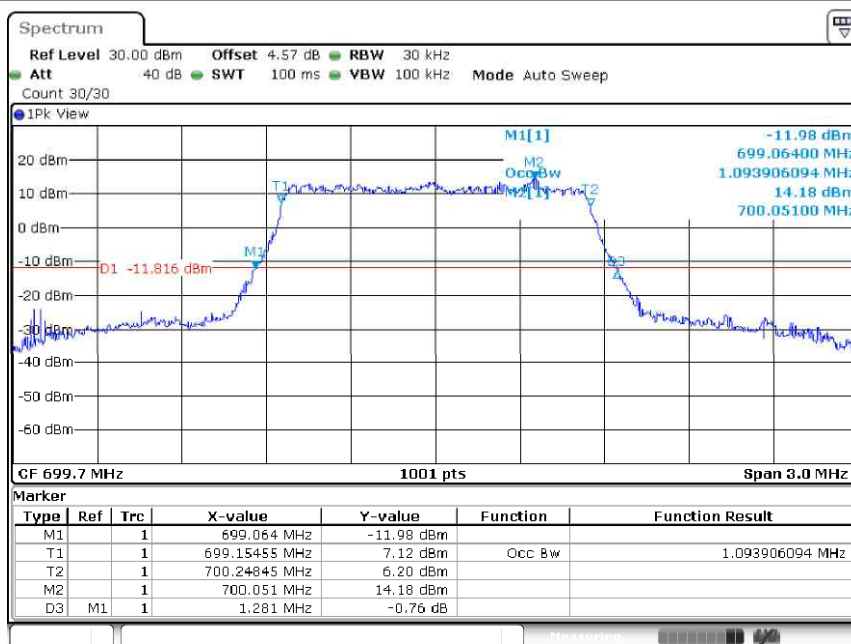
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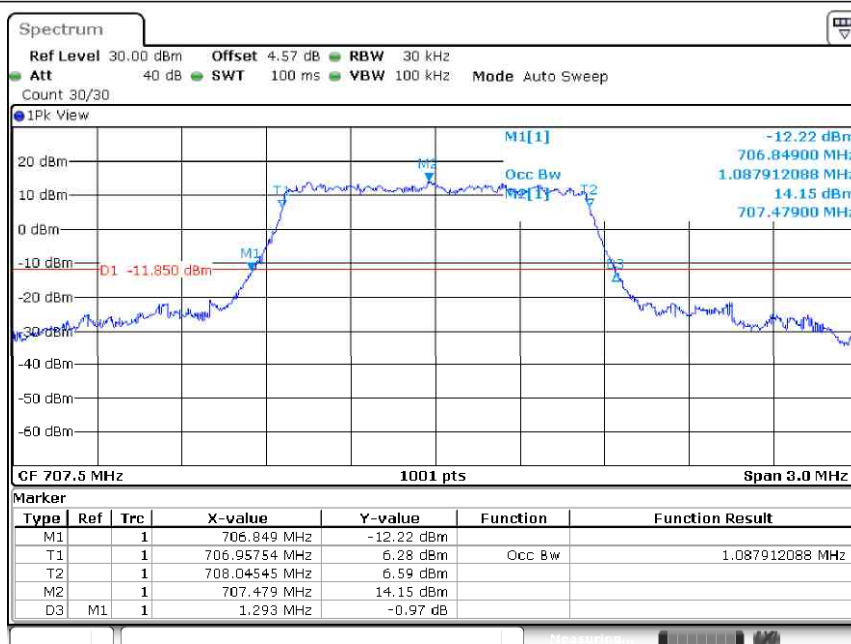


Band12-1.4MHz-64QAM-23017-6RB#0-1.094



Date: 14 JUL 2020 08:27:48

Band12-1.4MHz-64QAM-23095-6RB#0-1.088



Date: 14 JUL 2020 08:28:01



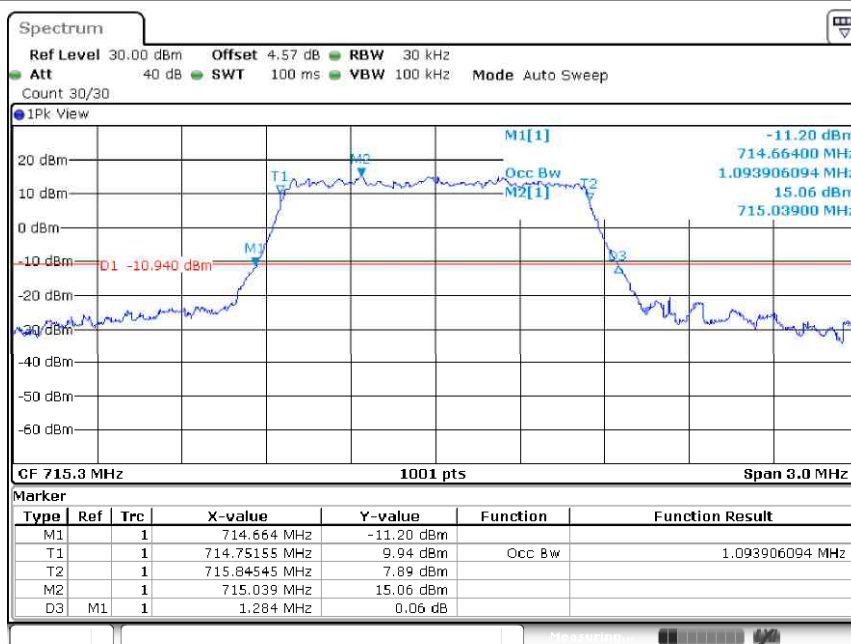
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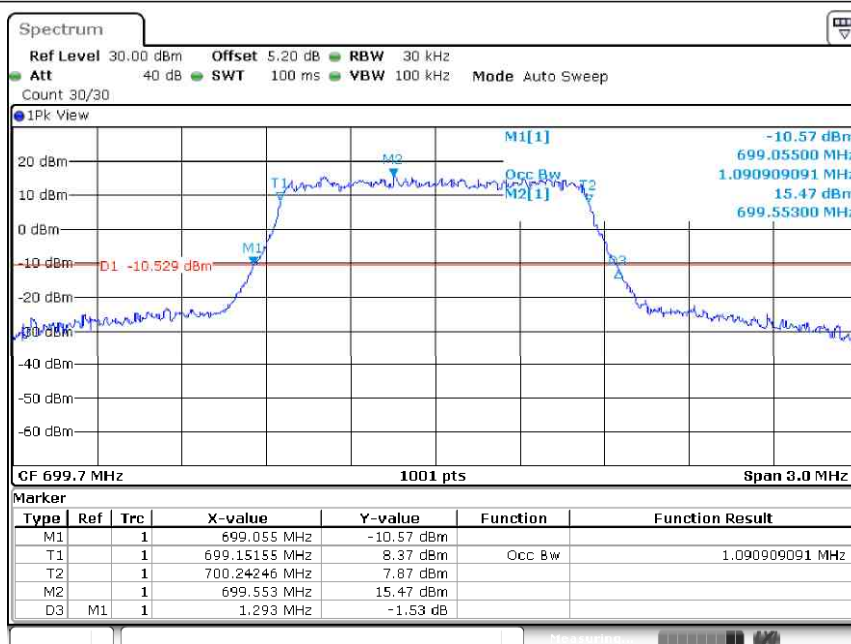


Band12-1.4MHz-64QAM-23173-6RB#0-1.094



Date: 14 JUL 2020 08:28:14

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Date: 10 JUL 2020 01:19:16



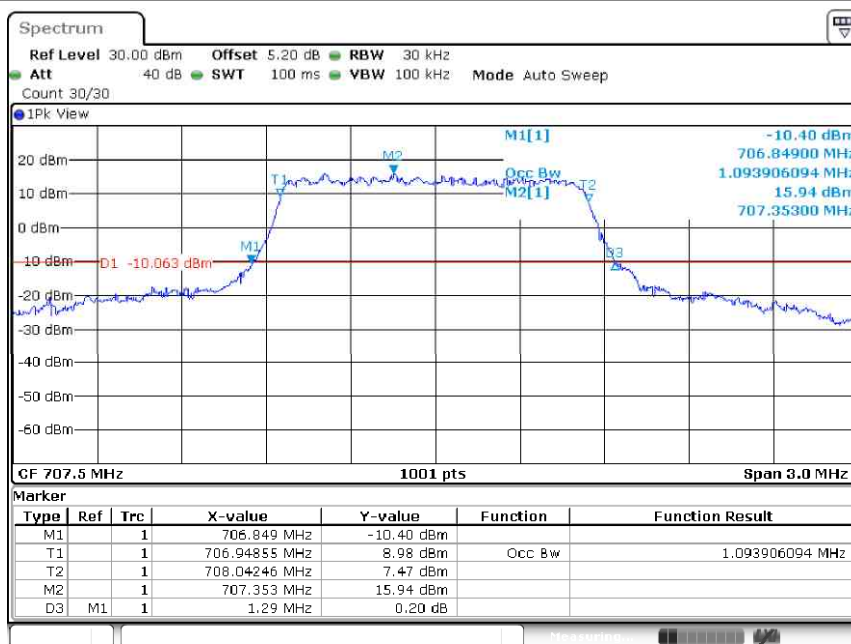
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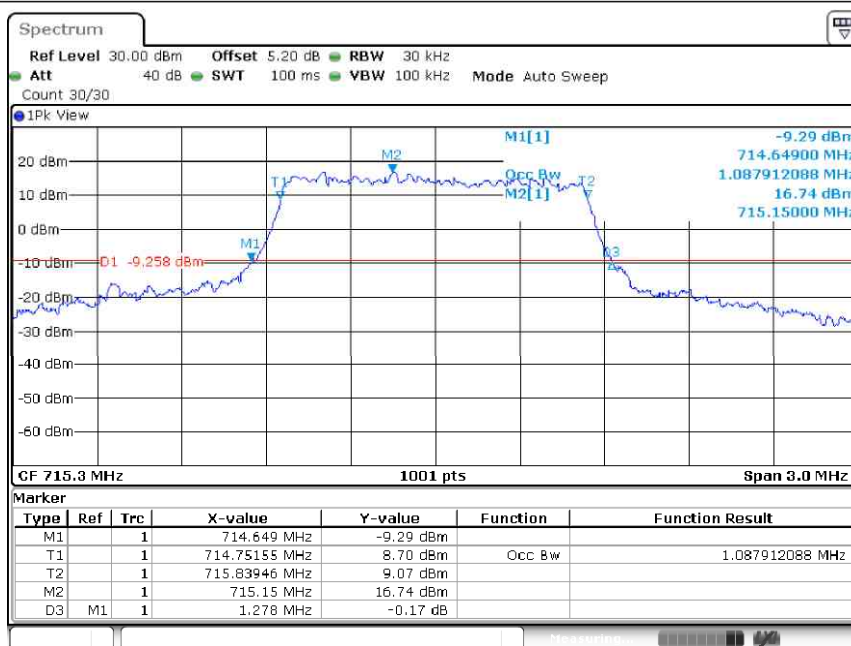


Band12-1.4MHz-16QAM-23095-6RB#0-1.094



Date: 10.JUL.2020 01:19:41

Band12-1.4MHz-16QAM-23173-6RB#0-1.088



Date: 10.JUL.2020 01:20:06



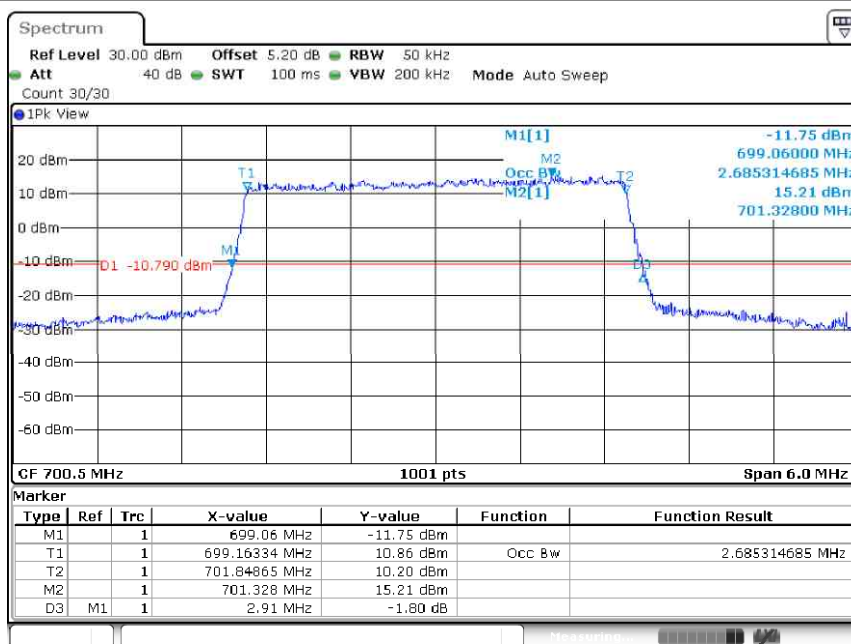
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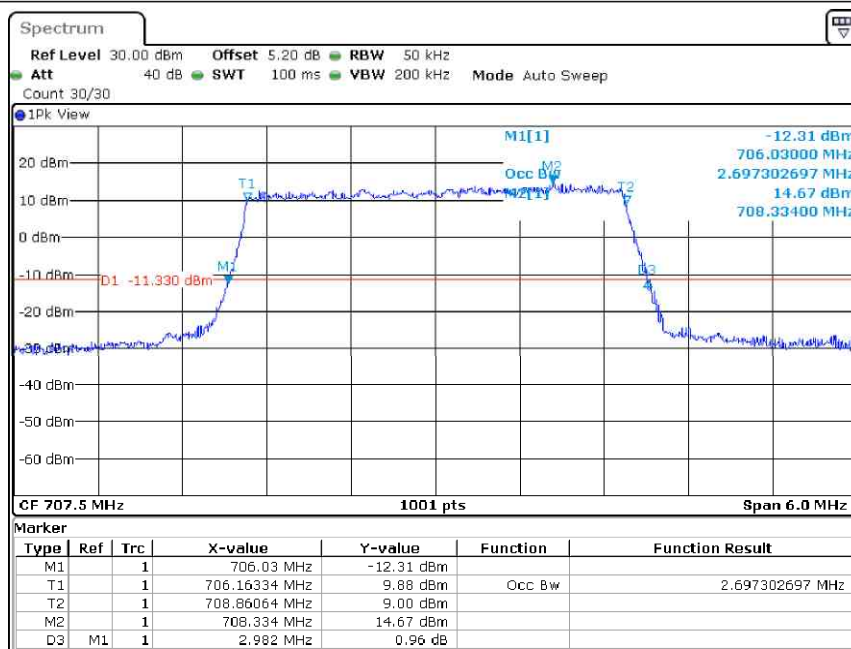


Band12-3MHz-QPSK-23025-15RB#0-2.685



Date: 10 JUL 2020 01:20:24

Band12-3MHz-QPSK-23095-15RB#0-2.697



Date: 16 JUL 2020 01:31:15



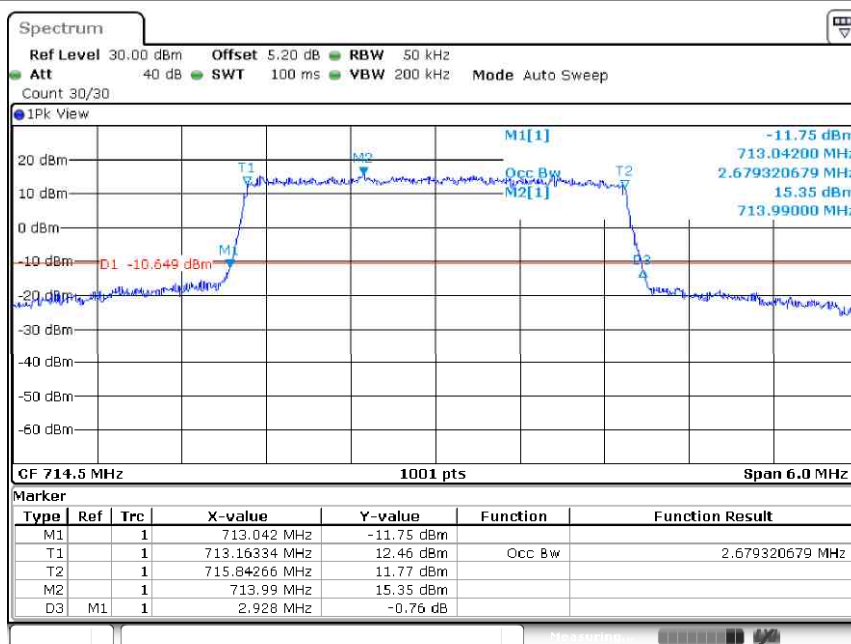
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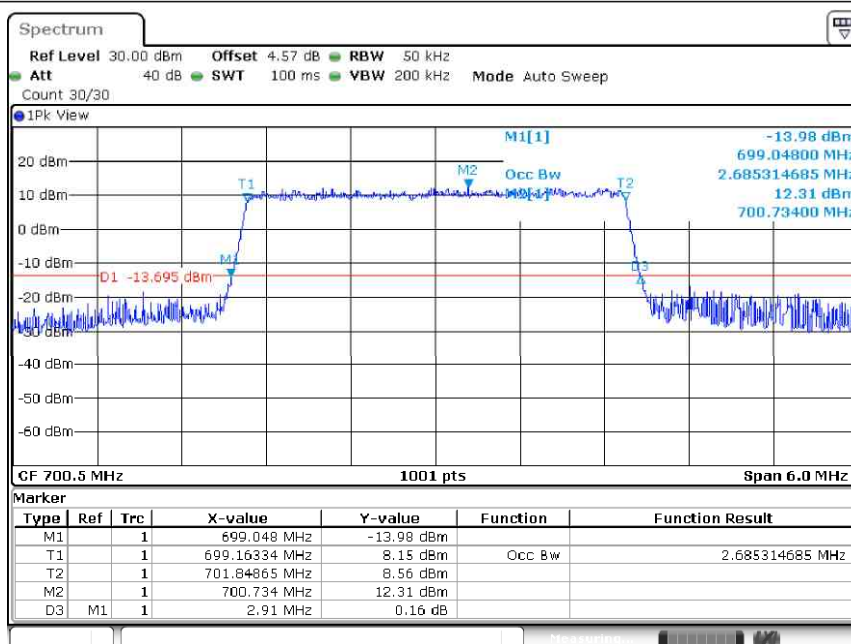


Band12-3MHz-QPSK-23165-15RB#0-2.679



Date: 10 JUL 2020 01:21:15

Band12-3MHz-64QAM-23025-15RB#0-2.685



Date: 14 JUL 2020 08:28:34



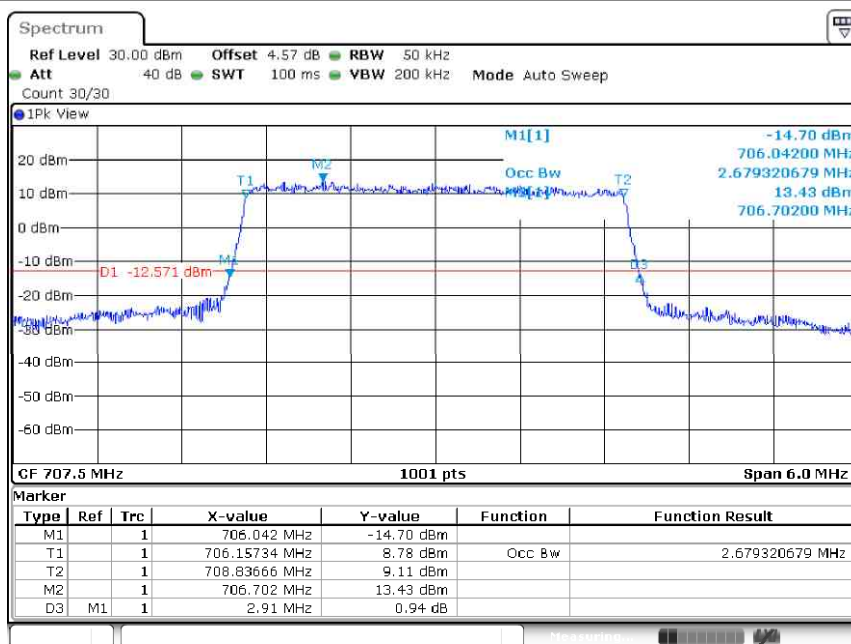
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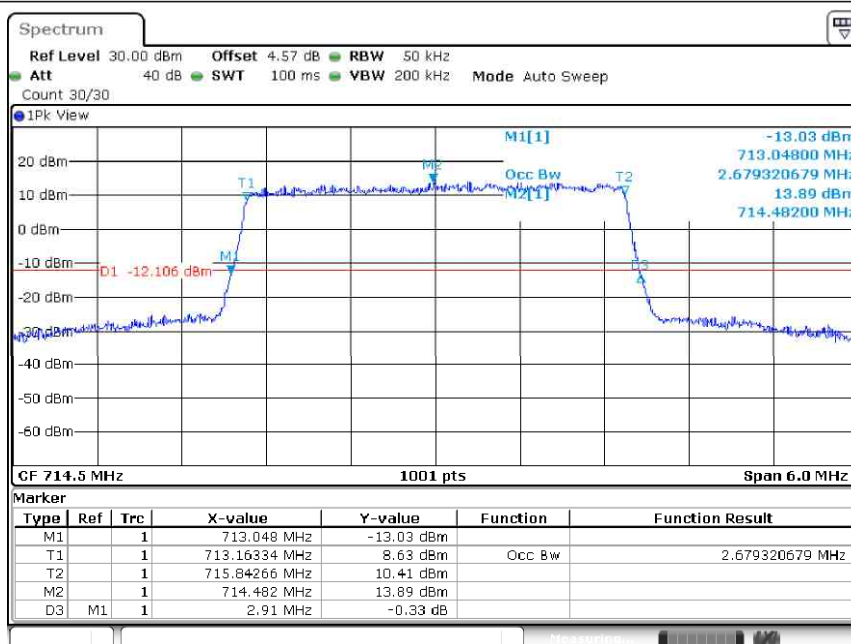


Band12-3MHz-64QAM-23095-15RB#0-2.679



Date: 14 JUL 2020 08:28:47

Band12-3MHz-64QAM-23165-15RB#0-2.679



Date: 14 JUL 2020 08:29:00



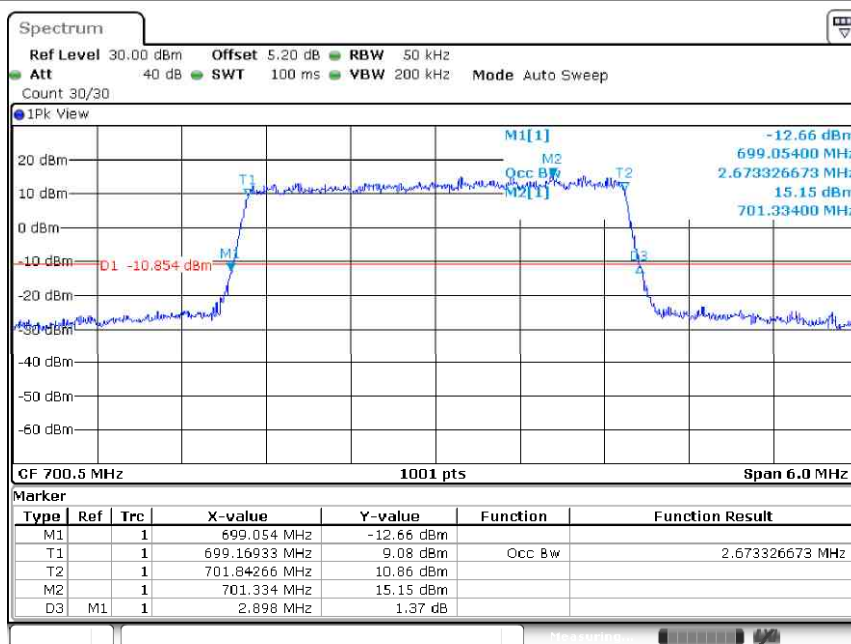
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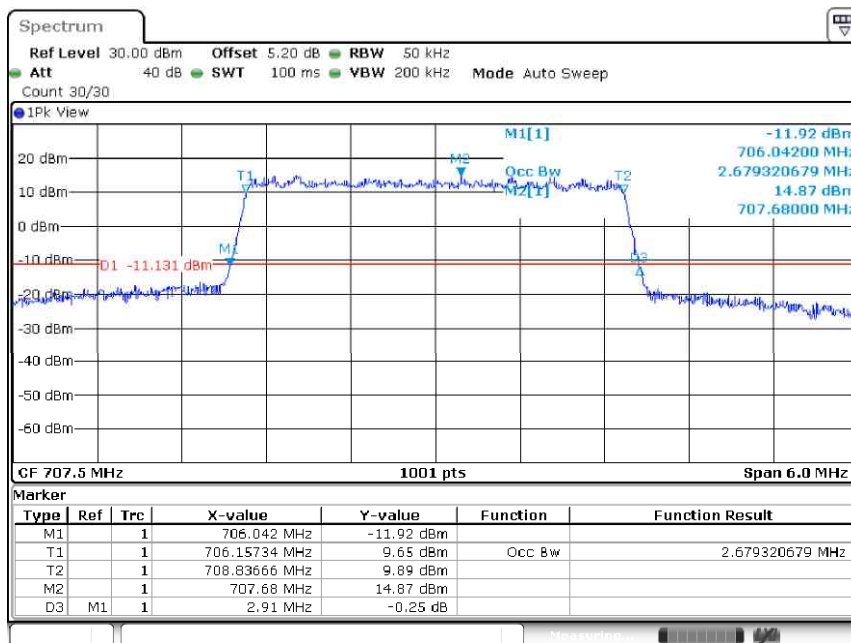


Band12-3MHz-16QAM-23025-15RB#0-2.673



Date: 10 JUL 2020 01:20:37

Band12-3MHz-16QAM-23095-15RB#0-2.679



Date: 10 JUL 2020 01:21:02



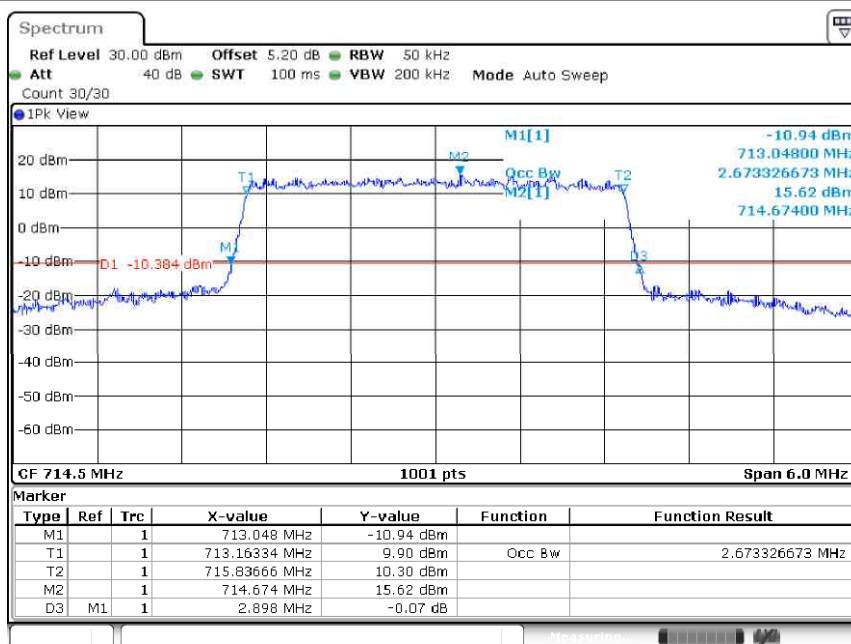
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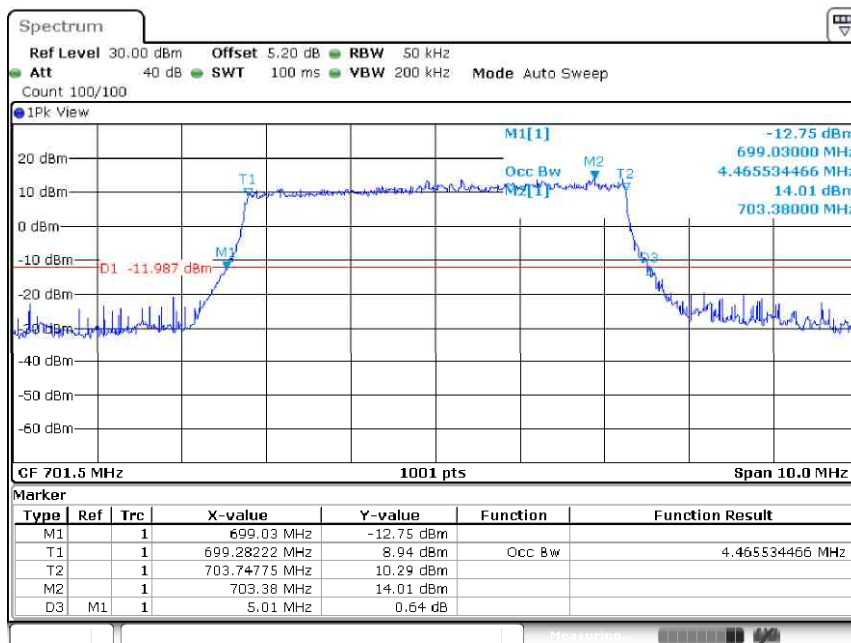


Band12-3MHz-16QAM-23165-15RB#0-2.673



Date: 10.JUL.2020 01:21:27

Band12-5MHz-QPSK-23035-25RB#0-4.466

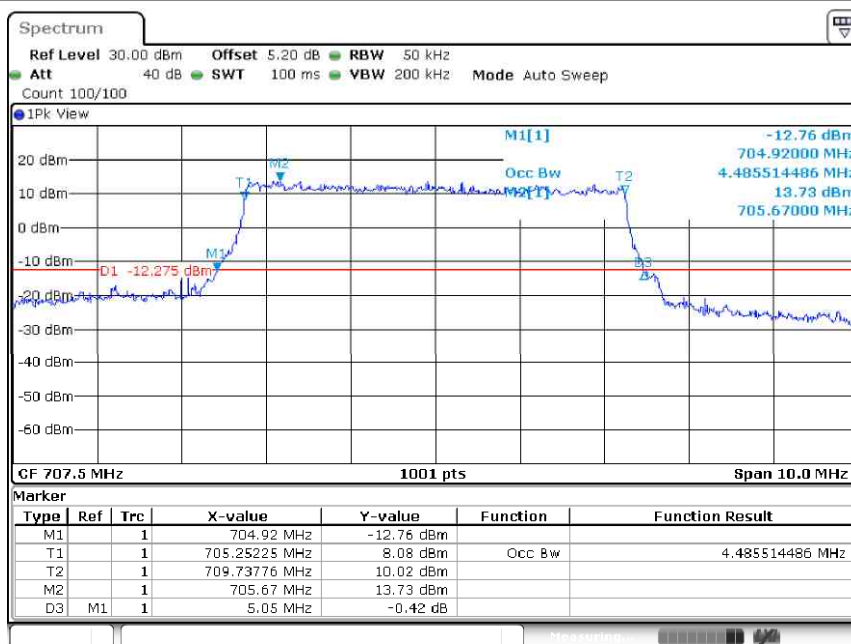


Date: 10.JUL.2020 01:21:52



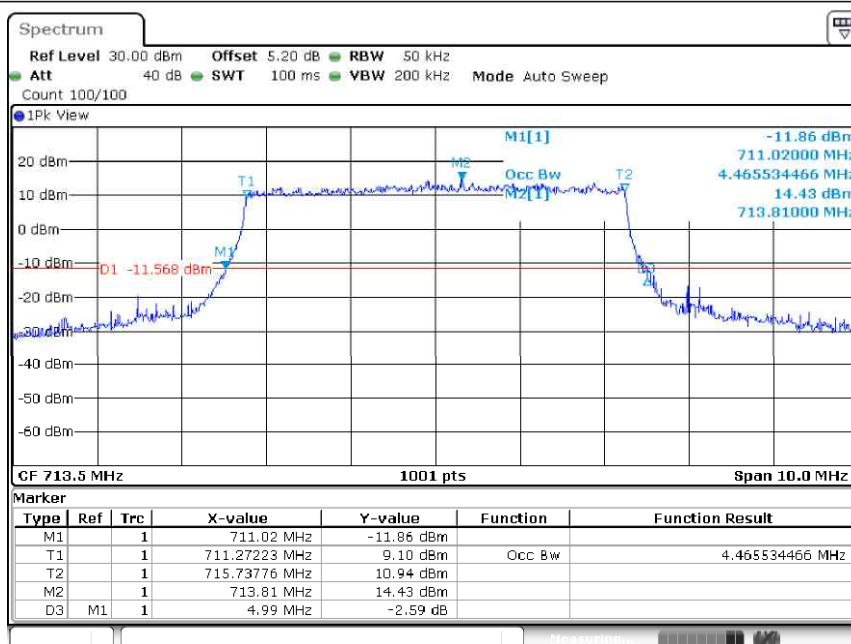


Band12-5MHz-QPSK-23095-25RB#0-4.486



Date: 10 JUL 2020 01:22:31

Band12-5MHz-QPSK-23155-25RB#0-4.466



Date: 10 JUL 2020 01:23:11



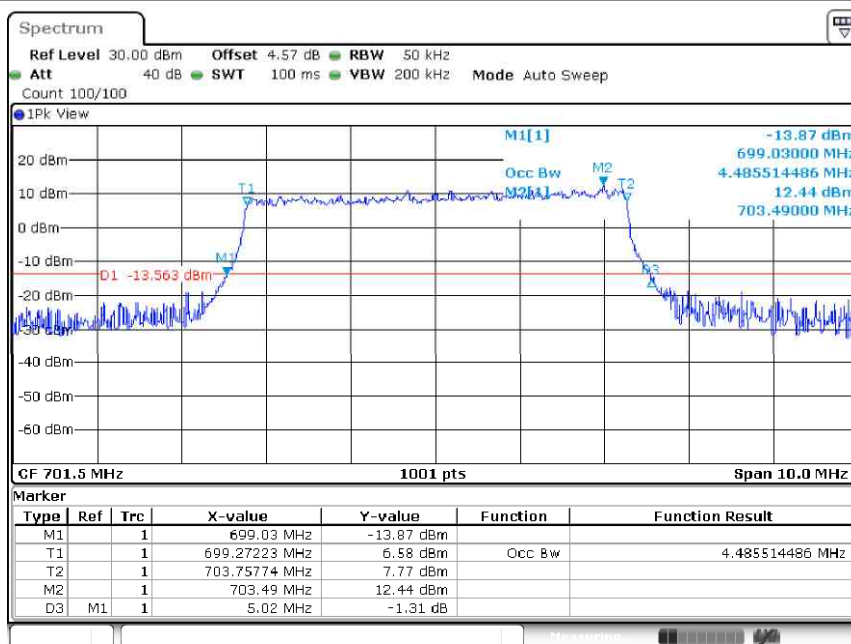
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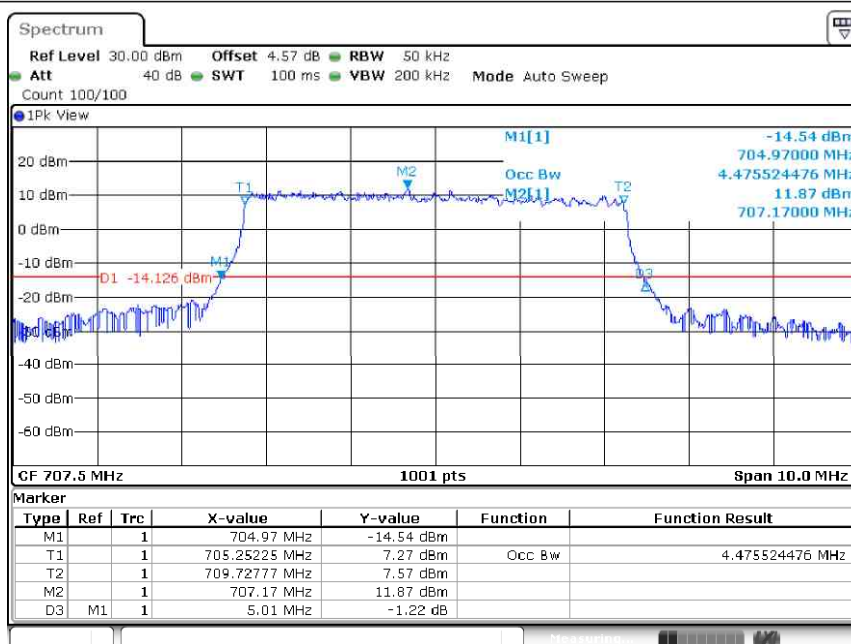


Band12-5MHz-64QAM-23035-25RB#0-4.486



Date: 14 JUL 2020 08:29:24

Band12-5MHz-64QAM-23095-25RB#0-4.476



Date: 14 JUL 2020 08:29:44



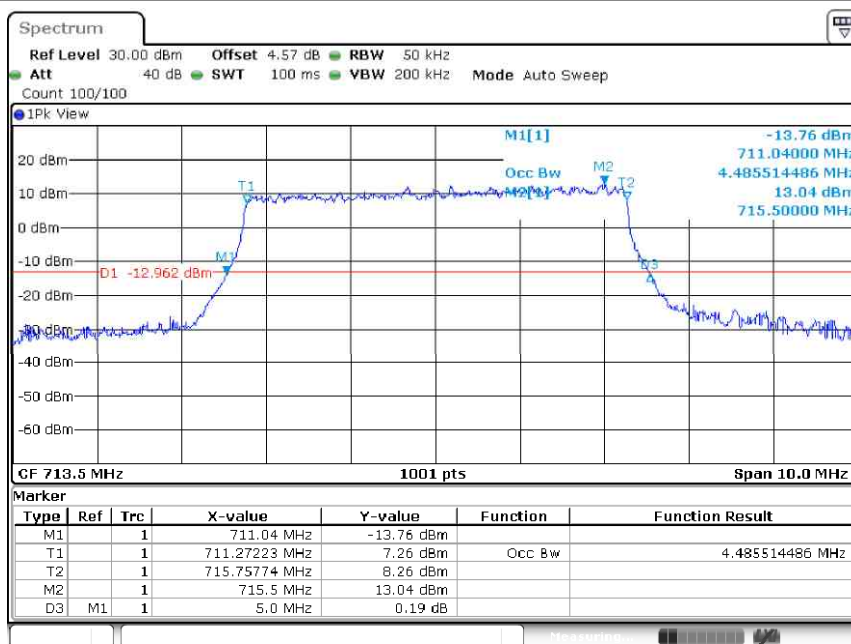
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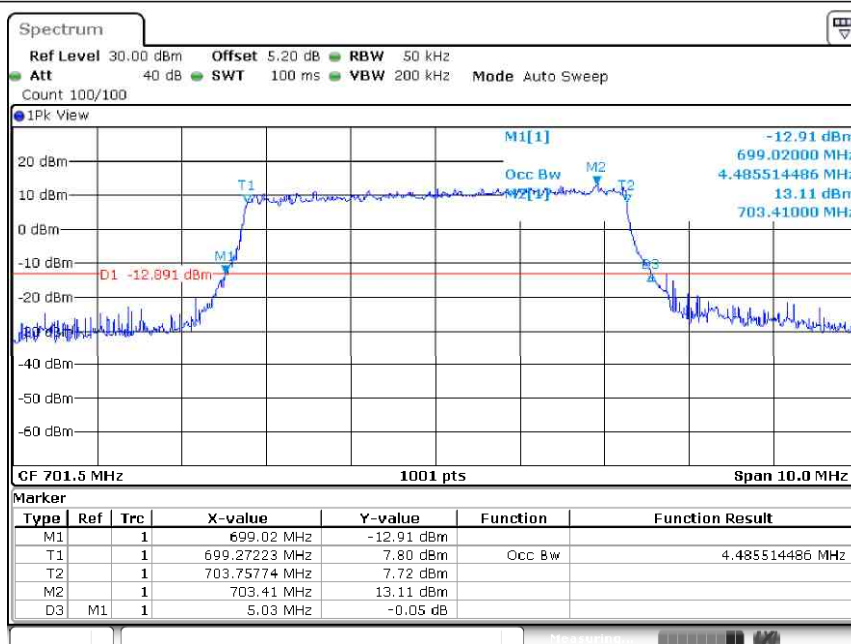


Band12-5MHz-64QAM-23155-25RB#0-4.486



Date: 14 JUL 2020 08:30:04

Band12-5MHz-16QAM-23035-25RB#0-4.486



Date: 10 JUL 2020 01:22:11

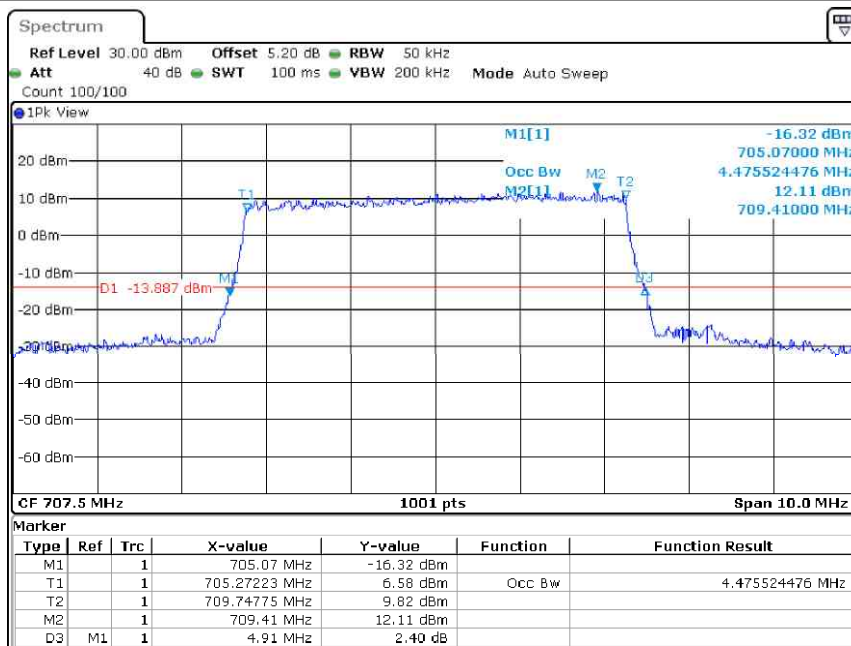


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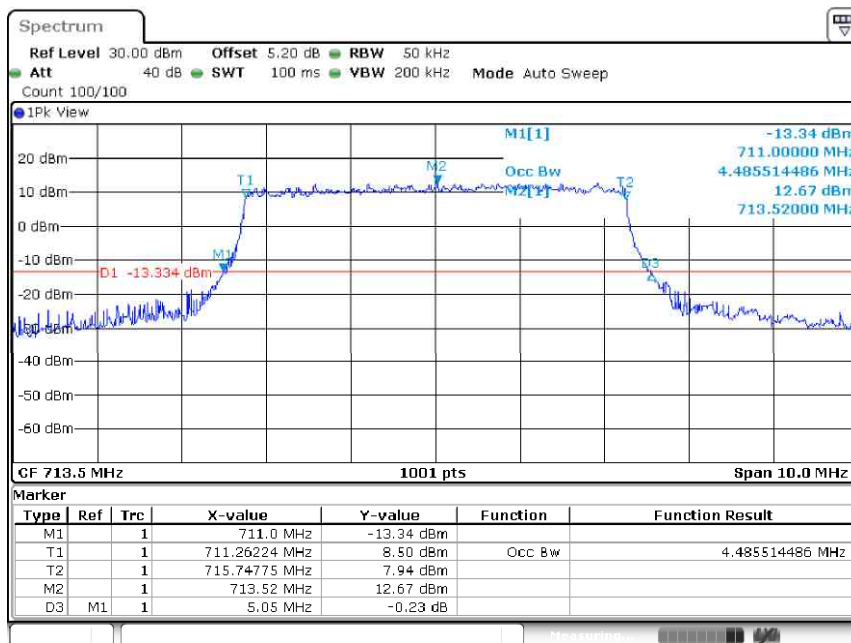


Band12-5MHz-16QAM-23095-25RB#0-4.476



Date: 16 JUL 2020 01:33:17

Band12-5MHz-16QAM-23155-25RB#0-4.486



Date: 10 JUL 2020 01:23:30



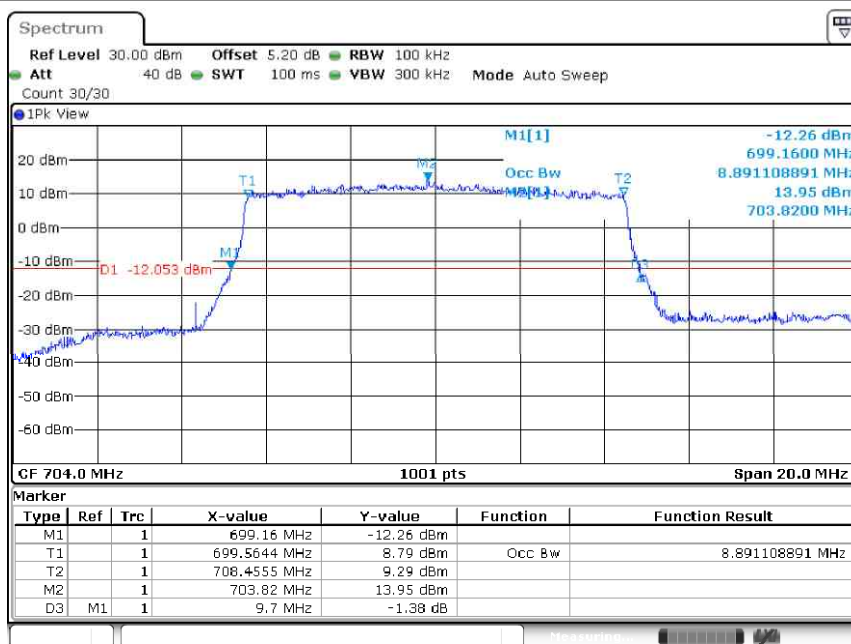
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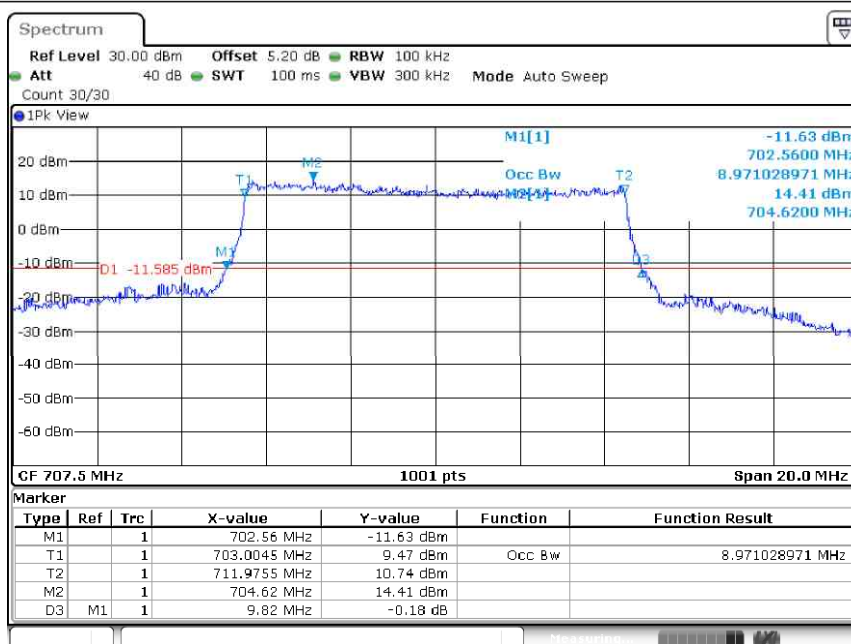


Band12-10MHz-QPSK-23060-50RB#0-8.891



Date: 10 JUL 2020 01:23:48

Band12-10MHz-QPSK-23095-50RB#0-8.971



Date: 10 JUL 2020 01:24:13



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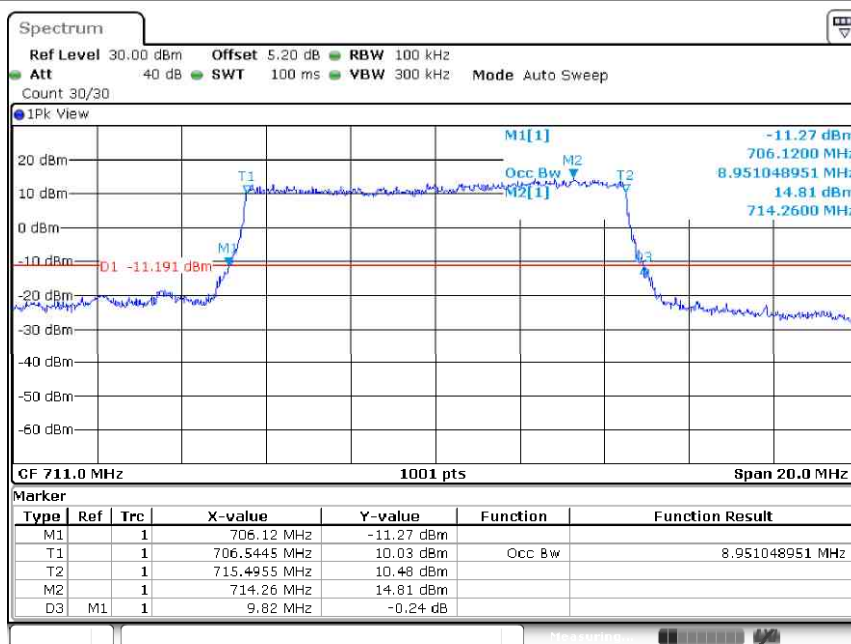
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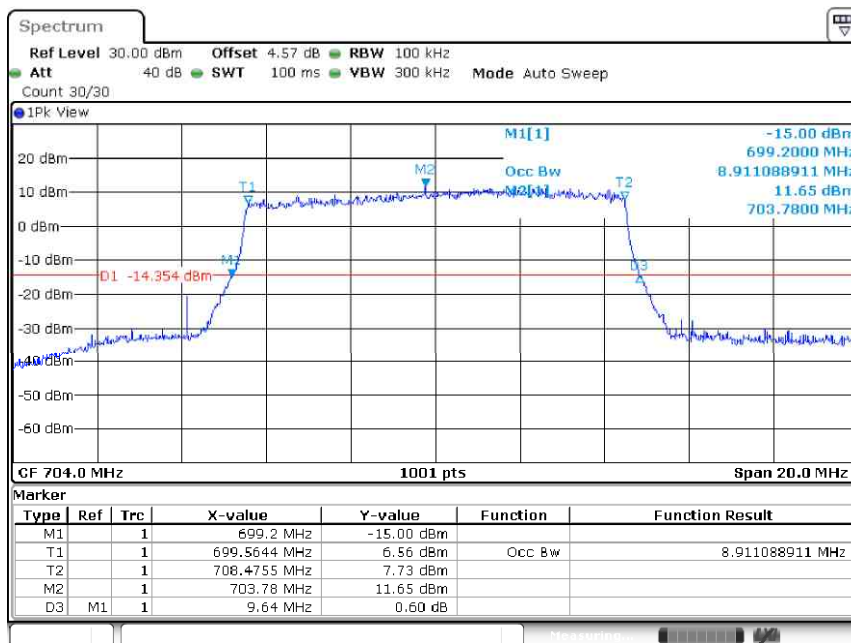


Band12-10MHz-QPSK-23130-50RB#0-8.951



Date: 10 JUL 2020 01:24:38

Band12-10MHz-64QAM-23060-50RB#0-8.911



Date: 14 JUL 2020 08:30:22



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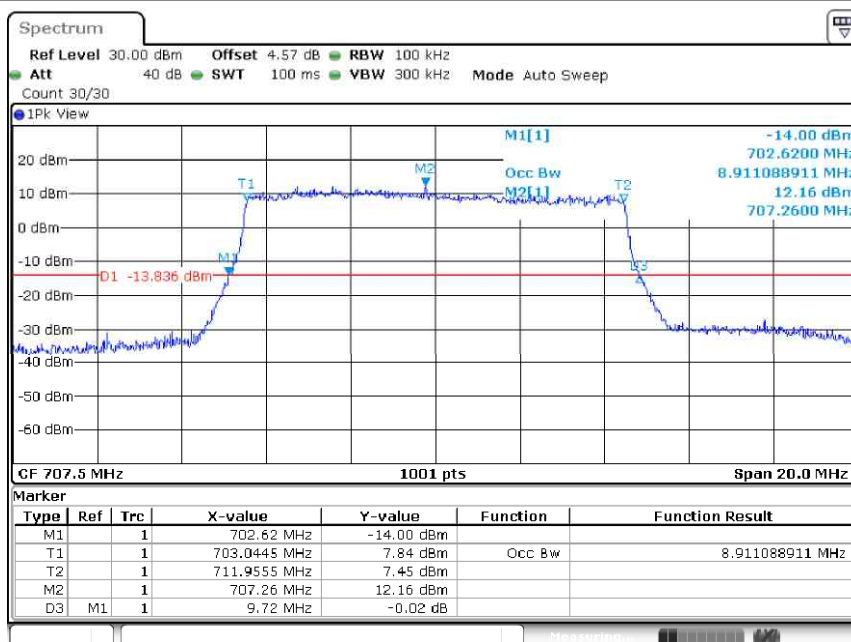
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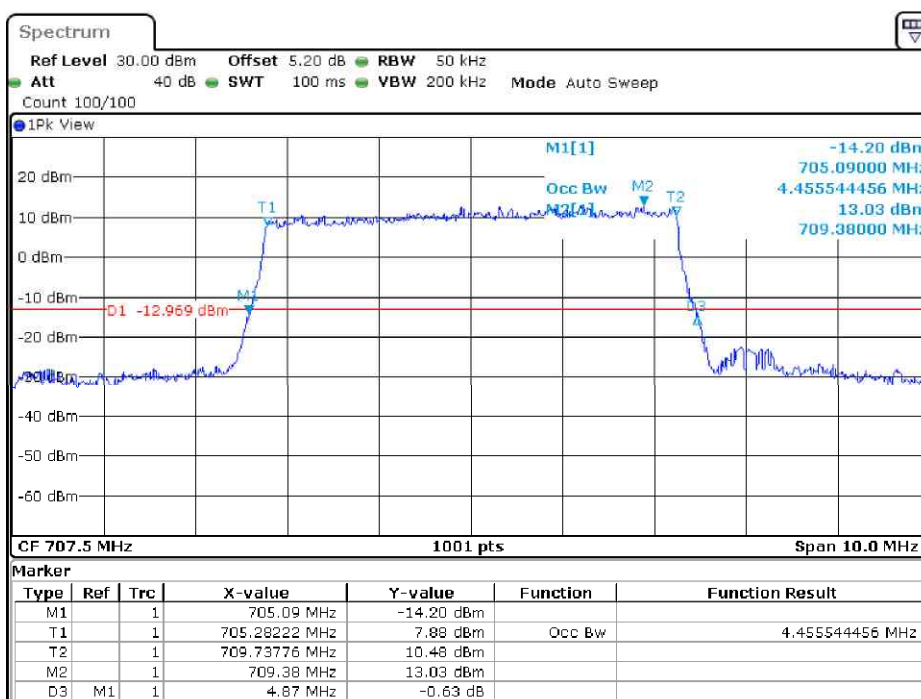


Band12-10MHz-64QAM-23095-50RB#0-8.911



Date: 14 JUL 2020 08:30:34

Band12-10MHz-64QAM-23130-50RB#0-8.991



Date: 16 JUL 2020 01:32:57



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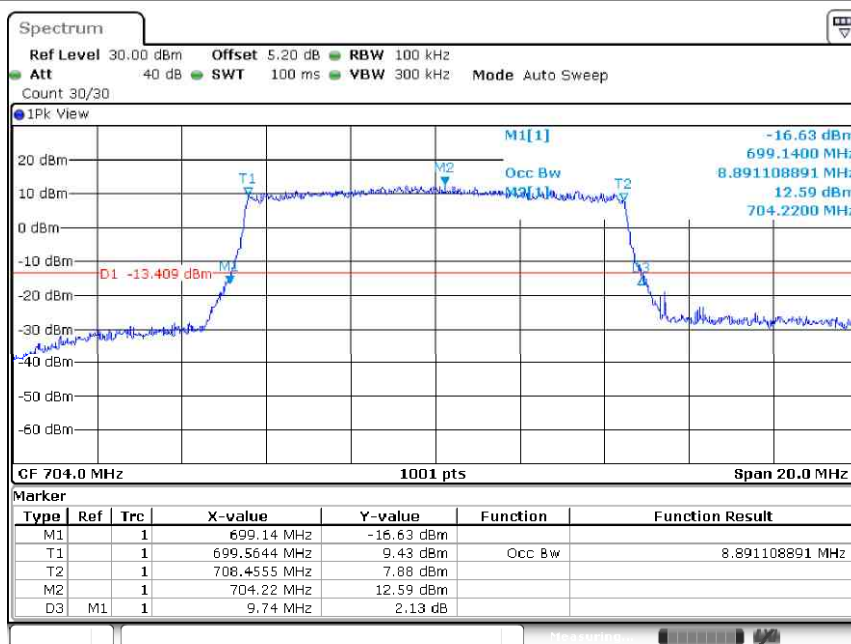
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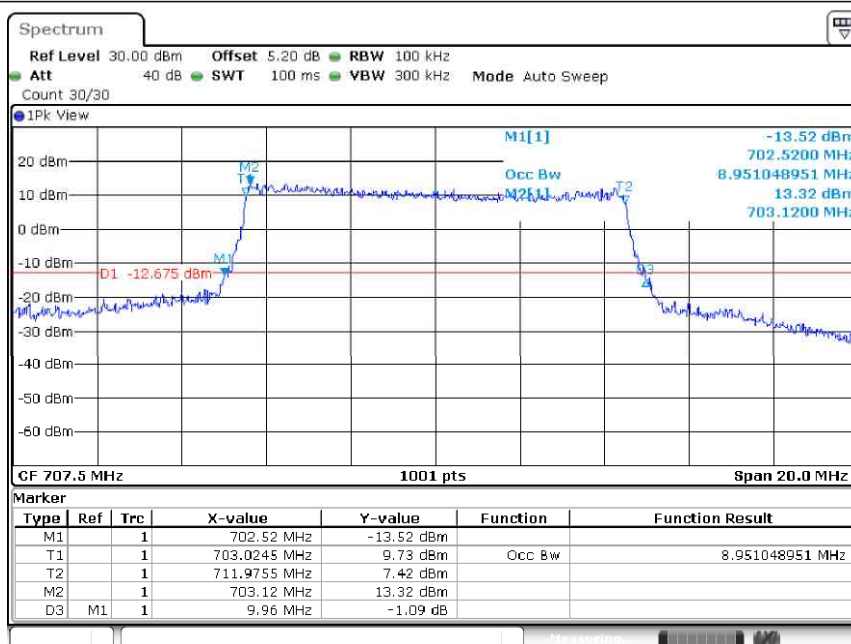


Band12-10MHz-16QAM-23060-50RB#0-8.891



Date: 10 JUL 2020 01:24:00

Band12-10MHz-16QAM-23095-50RB#0-8.951



Date: 10 JUL 2020 01:24:26



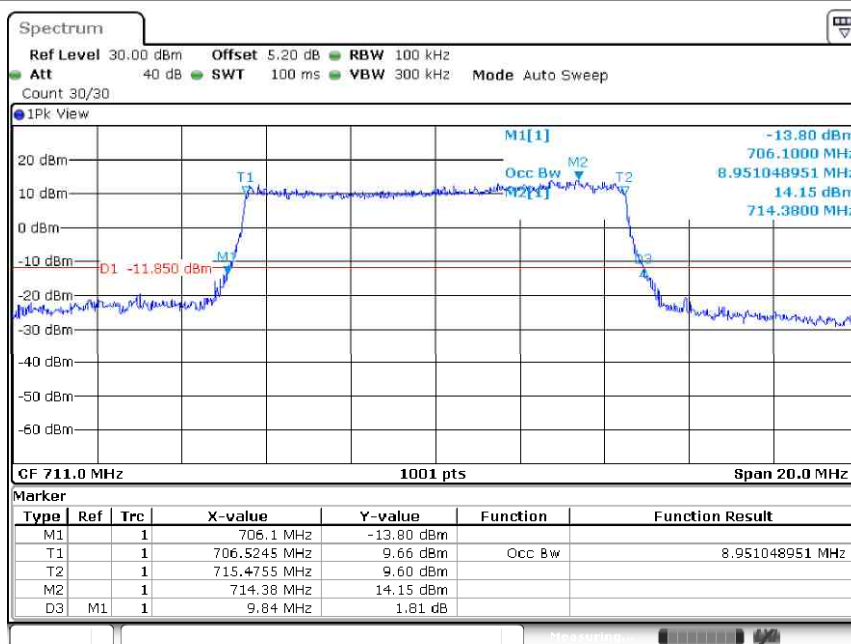
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Band12-10MHz-16QAM-23130-50RB#0-8.951



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## 5. Band Edge Compliance

### 5.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | -22.78      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | -29.07      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | -19.07      | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | -25.08      | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#0            | -25.59      | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 6RB#0            | -31.67      | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23173   | 1RB#5            | -22.34      | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23173   | 6RB#0            | -31.00      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0            | -23.63      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | -29.57      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 1RB#5            | -19.87      | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | -26.73      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | -21.37      | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | -32.40      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#14           | -16.38      | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | -27.31      | PASS    |
| Band12 | 3MHz      | 64QAM      | 23025   | 1RB#0            | -23.43      | PASS    |
| Band12 | 3MHz      | 64QAM      | 23025   | 15RB#0           | -33.31      | PASS    |
| Band12 | 3MHz      | 64QAM      | 23165   | 1RB#14           | -20.68      | PASS    |
| Band12 | 3MHz      | 64QAM      | 23165   | 15RB#0           | -31.63      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 1RB#0            | -20.44      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | -32.72      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 1RB#14           | -17.39      | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | -29.97      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | -14.94      | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | -29.68      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#24           | -14.14      | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | -27.83      | PASS    |
| Band12 | 5MHz      | 64QAM      | 23035   | 1RB#0            | -16.89      | PASS    |
| Band12 | 5MHz      | 64QAM      | 23035   | 25RB#0           | -30.59      | PASS    |
| Band12 | 5MHz      | 64QAM      | 23155   | 1RB#24           | -14.94      | PASS    |
| Band12 | 5MHz      | 64QAM      | 23155   | 25RB#0           | -27.16      | PASS    |



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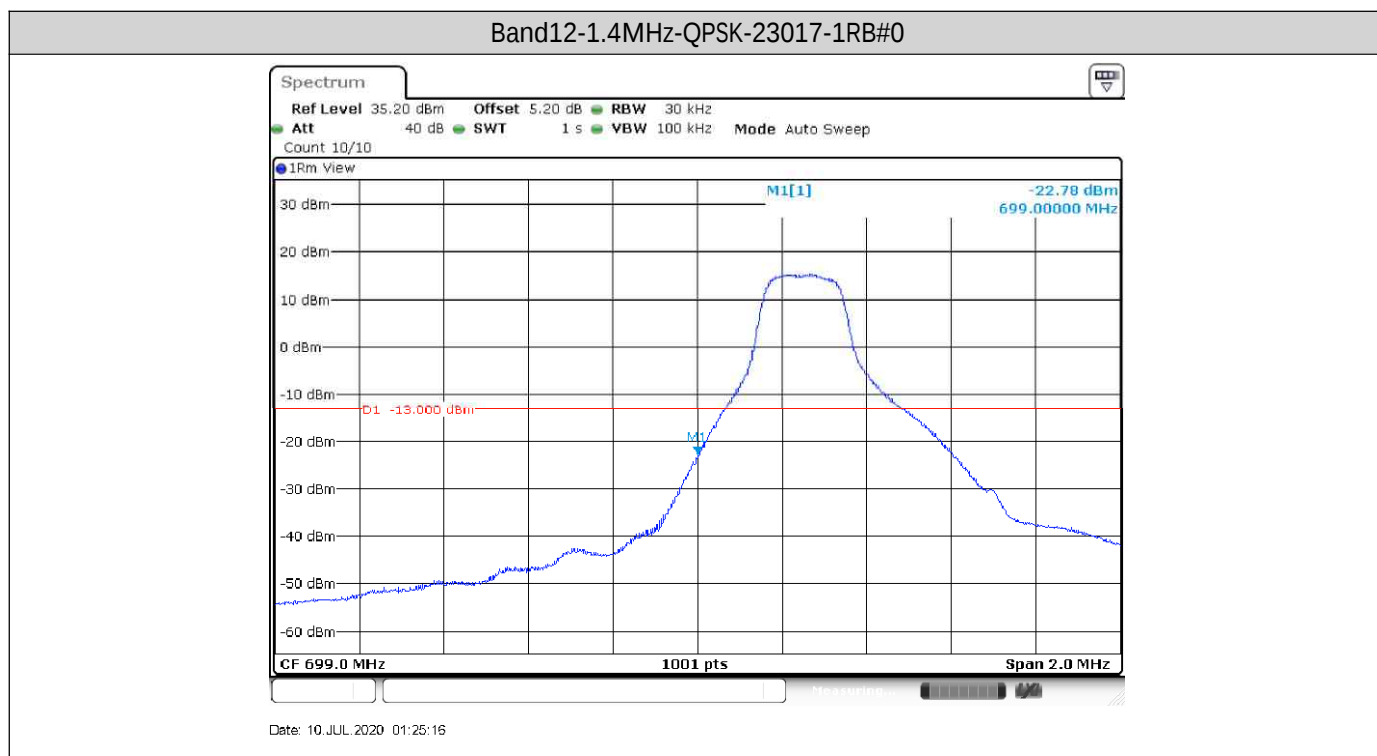
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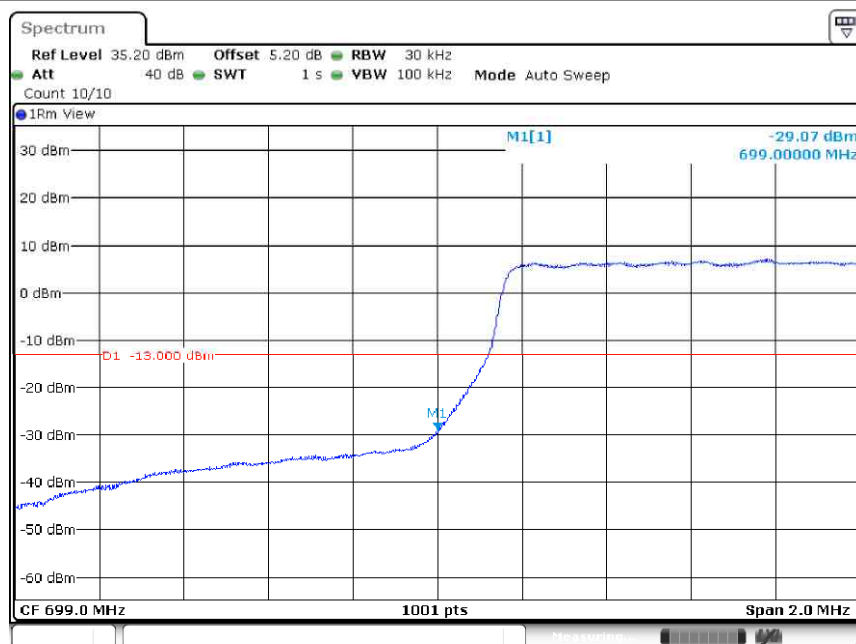
|        |       |       |       |        |        |      |
|--------|-------|-------|-------|--------|--------|------|
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#0  | -15.73 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 25RB#0 | -29.86 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24 | -14.25 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0 | -28.22 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0  | -17.66 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0 | -33.91 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49 | -17.07 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0 | -28.83 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0  | -19.49 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | -35.88 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49 | -18.02 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | -30.38 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0  | -17.41 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | -34.69 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | -18.32 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | -30.44 | PASS |

## 5.2. Test Plots





Band12-1.4MHz-QPSK-23017-6RB#0



Date: 10 JUL 2020 01:25:57

Band12-1.4MHz-QPSK-23173-1RB#5



Date: 10 JUL 2020 01:26:42



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Band12-1.4MHz-QPSK-23173-6RB#0



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Band12-1.4MHz-64QAM-23017-1RB#0



Date: 14 JUL 2020 08:31:13



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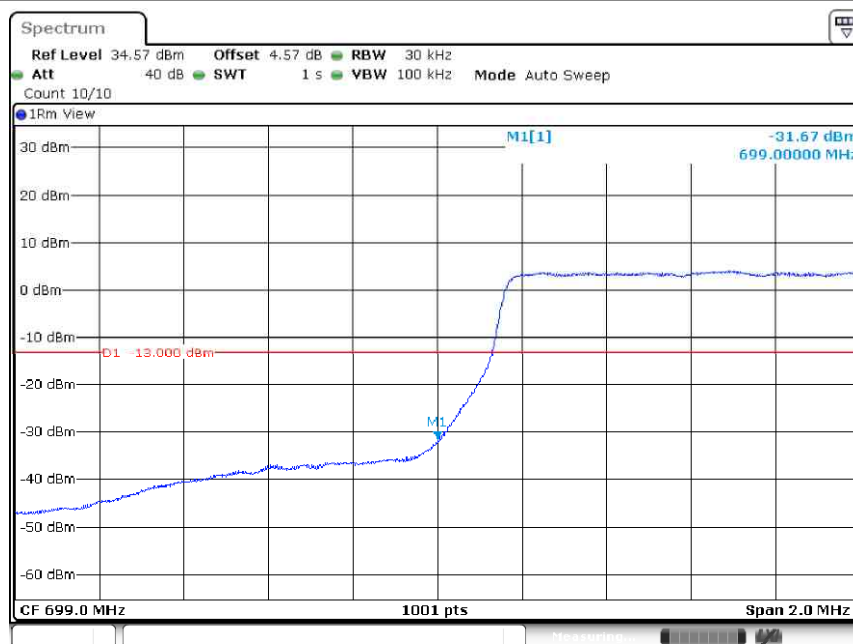
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Band12-1.4MHz-64QAM-23017-6RB#0



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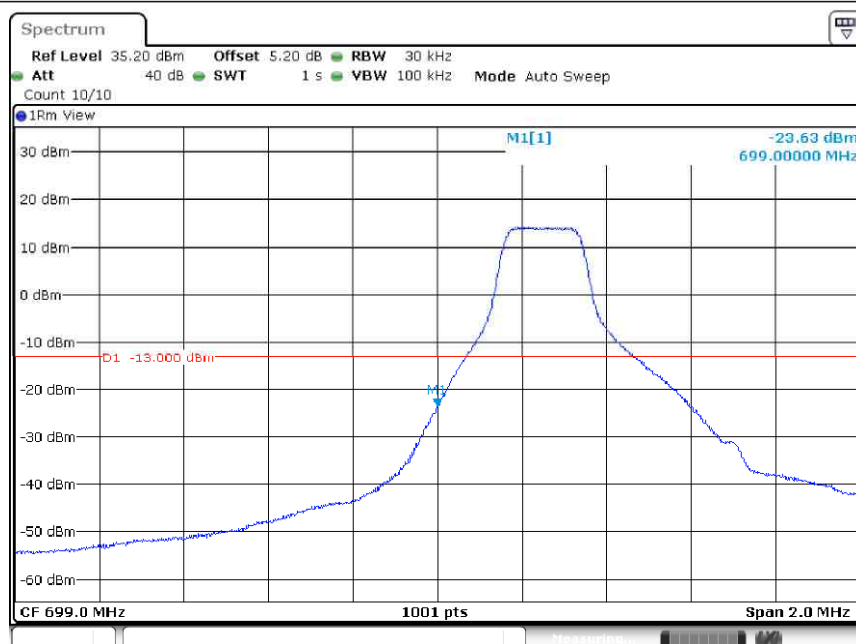


Band12-1.4MHz-64QAM-23173-6RB#0



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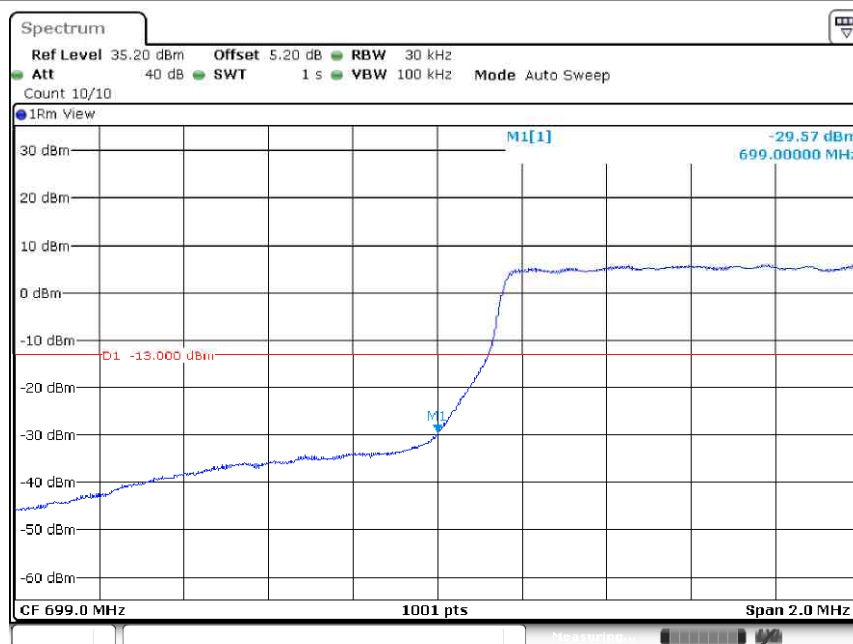


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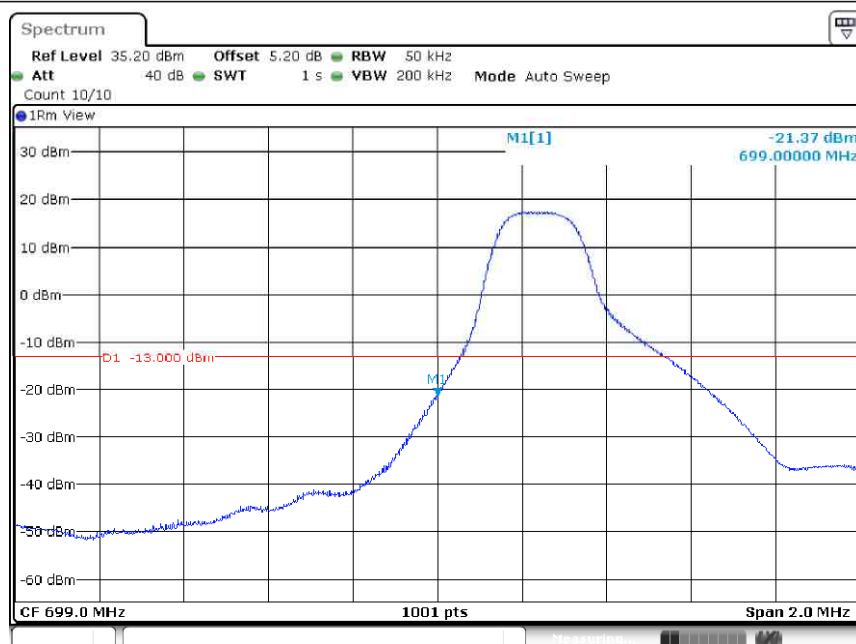


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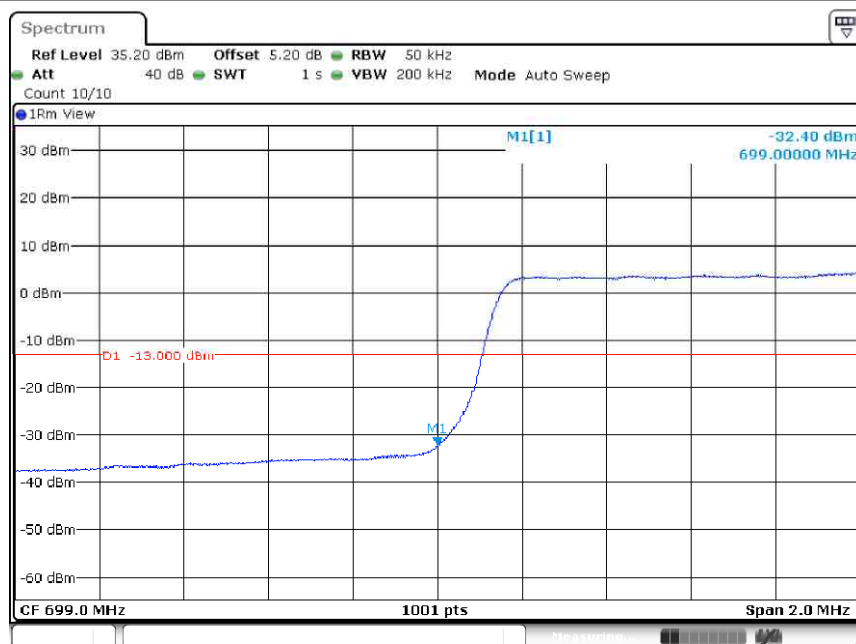
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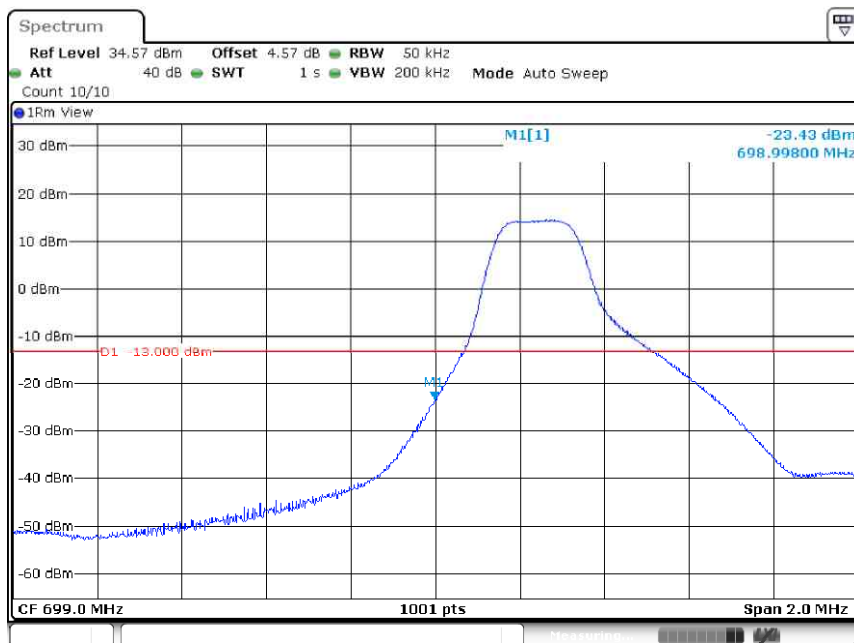


Band12-3MHz-QPSK-23165-15RB#0



Date: 10 JUL 2020 01:30:16

Band12-3MHz-64QAM-23025-1RB#0



Date: 14 JUL 2020 08:32:53



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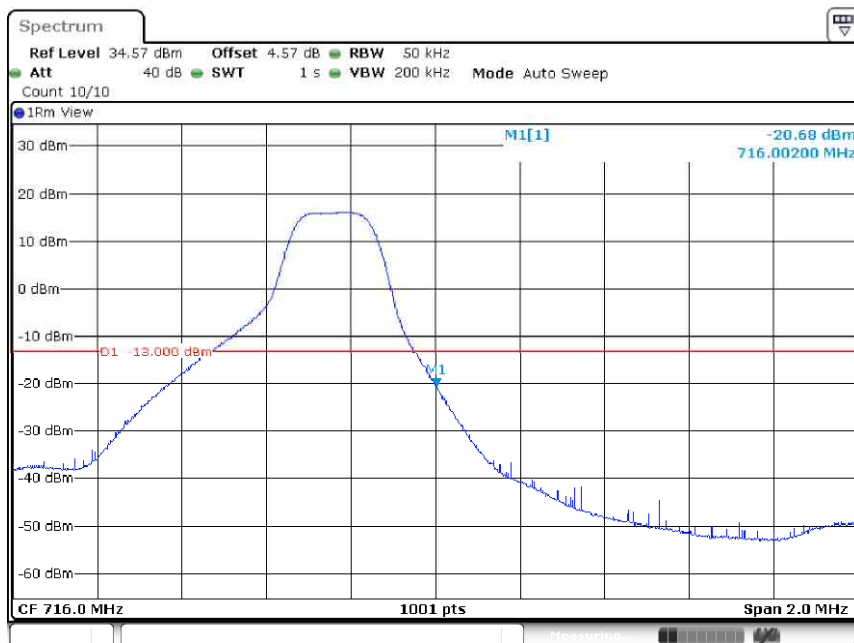


Band12-3MHz-64QAM-23025-15RB#0



Date: 14 JUL 2020 08:33:13

Band12-3MHz-64QAM-23165-1RB#14



Date: 14 JUL 2020 08:33:38



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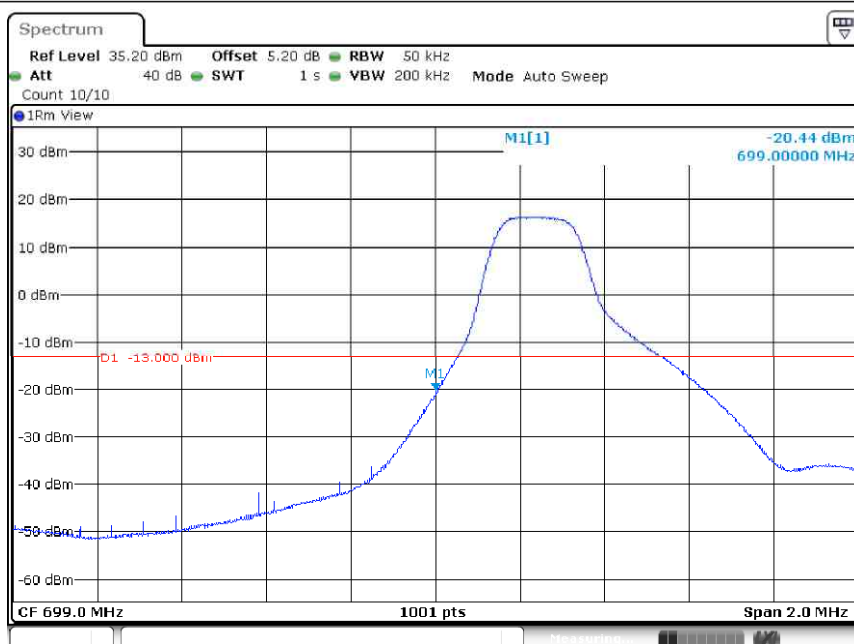


Band12-3MHz-64QAM-23165-15RB#0



Date: 14 JUL 2020 08:33:58

Band12-3MHz-16QAM-23025-1RB#0



Date: 10 JUL 2020 01:28:30



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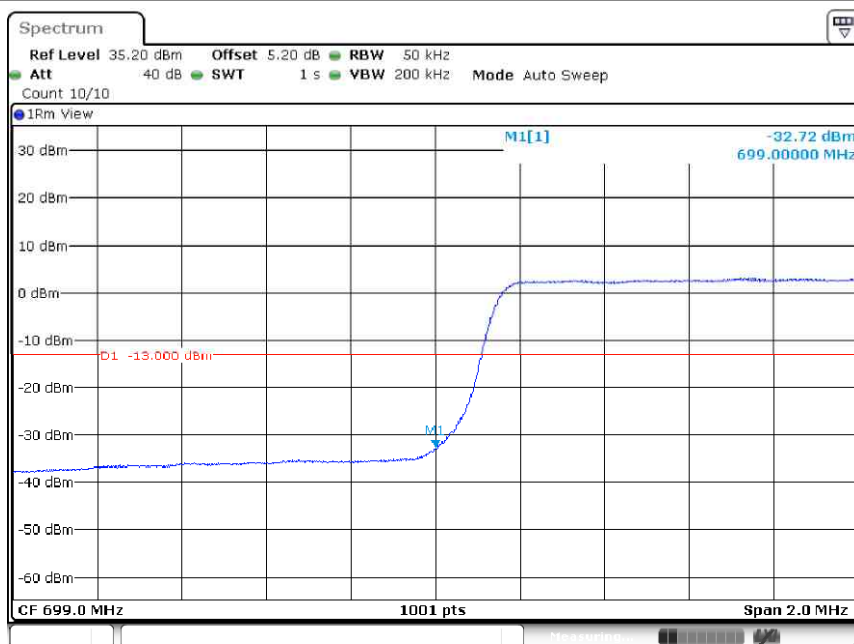
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Band12-3MHz-16QAM-23025-15RB#0



Date: 10 JUL 2020 01:29:10

Band12-3MHz-16QAM-23165-1RB#14



Date: 10 JUL 2020 01:29:56



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Band12-3MHz-16QAM-23165-15RB#0



Date: 10 JUL 2020 01:30:36

Band12-5MHz-QPSK-23035-1RB#0



Date: 10 JUL 2020 01:31:02



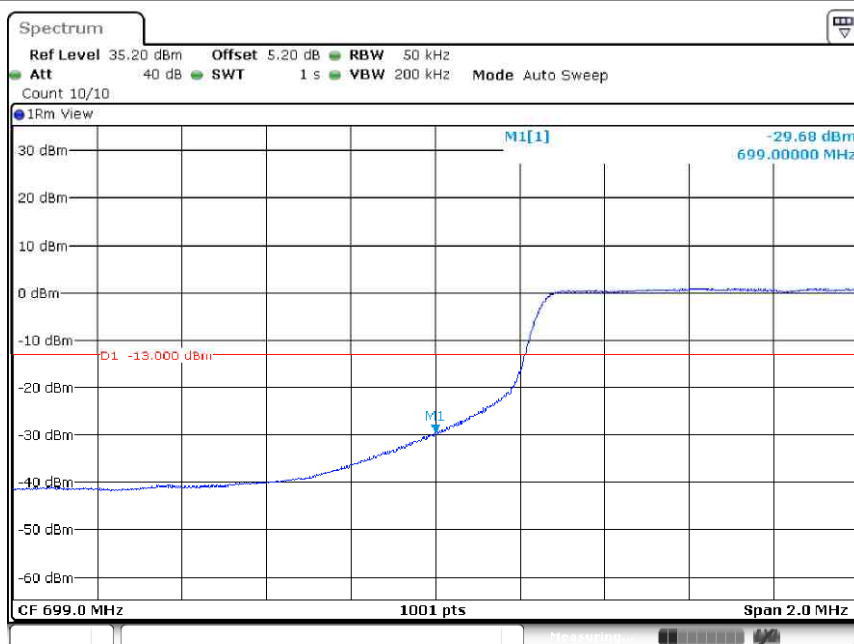
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## Band12-5MHz-QPSK-23035-25RB#0



Date: 10 JUL 2020 01:31:43

## Band12-5MHz-QPSK-23155-1RB#24



Date: 10 JUL 2020 01:32:28



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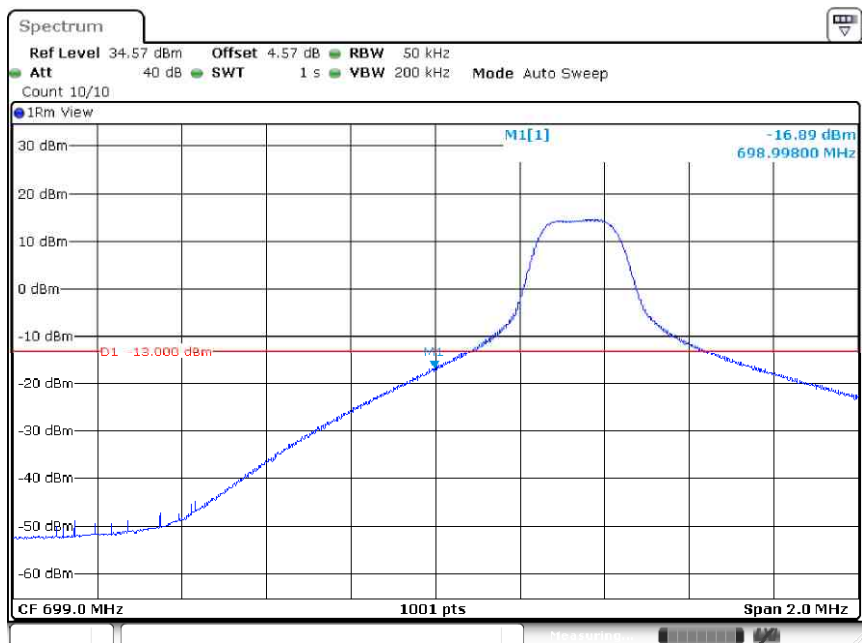


Band12-5MHz-QPSK-23155-25RB#0



Date: 10 JUL 2020 01:33:09

Band12-5MHz-64QAM-23035-1RB#0



Date: 14 JUL 2020 08:34:24



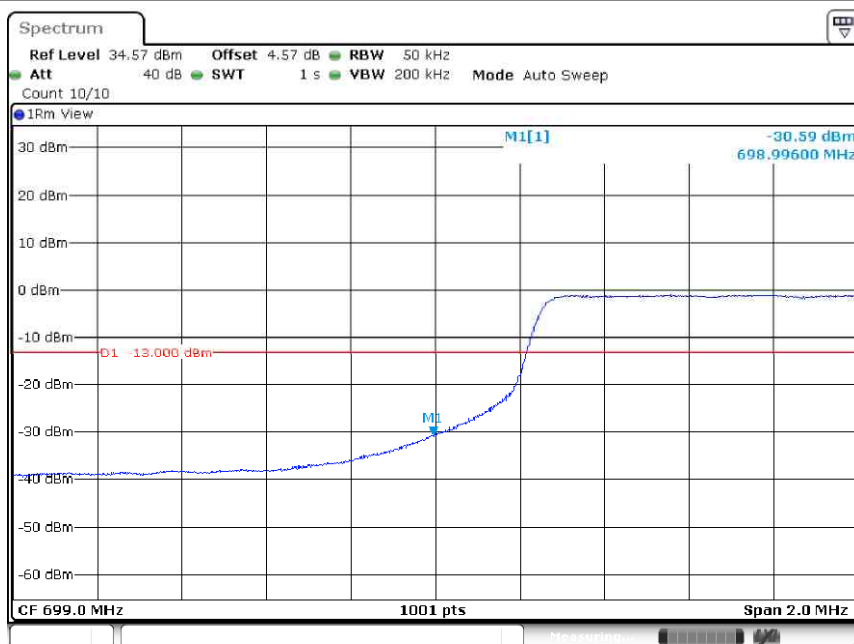
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Band12-5MHz-64QAM-23035-25RB#0



Date: 14 JUL 2020 08:34:45

Band12-5MHz-64QAM-23155-1RB#24



Date: 14 JUL 2020 08:35:10



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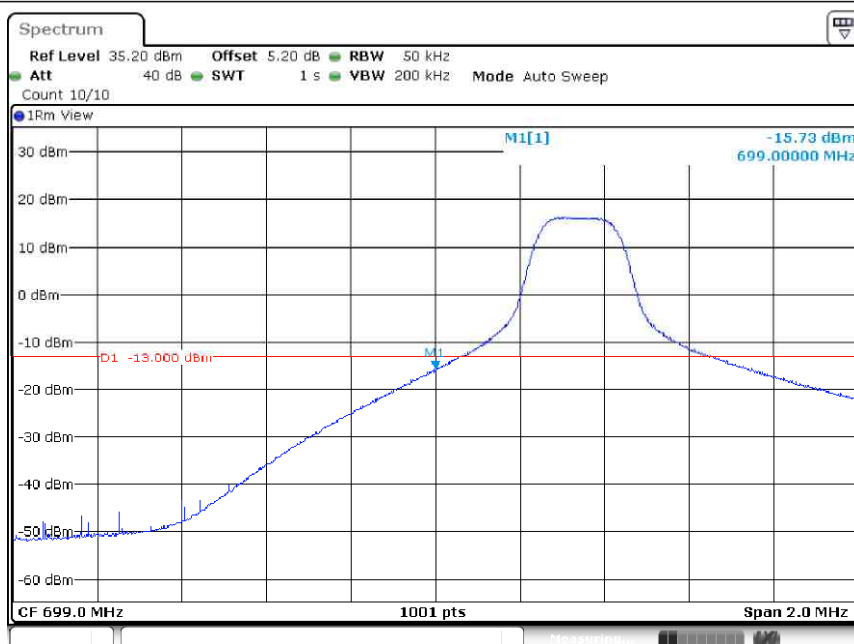


Band12-5MHz-64QAM-23155-25RB#0



Date: 14 JUL 2020 08:35:30

Band12-5MHz-16QAM-23035-1RB#0



Date: 10 JUL 2020 01:31:22



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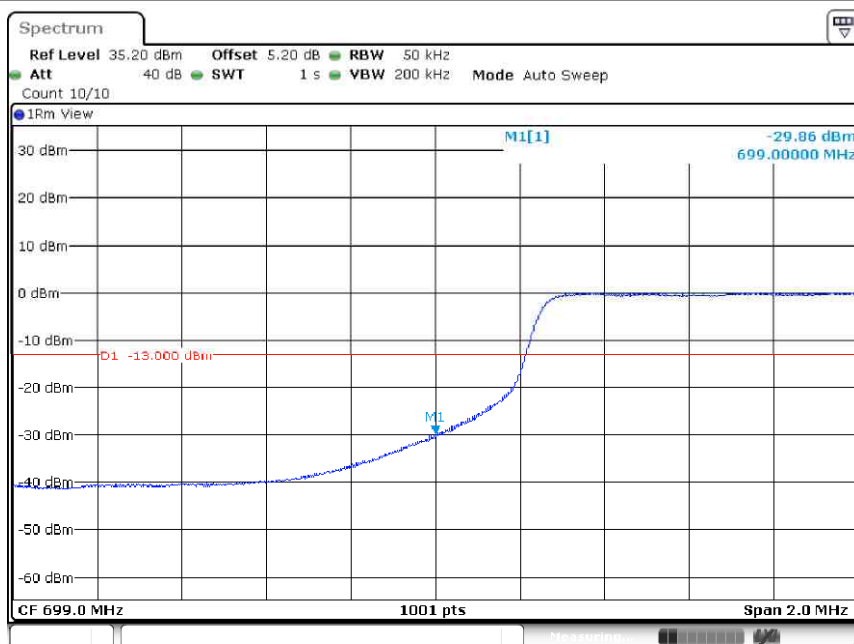
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Band12-5MHz-16QAM-23035-25RB#0



Date: 10 JUL 2020 01:32:03

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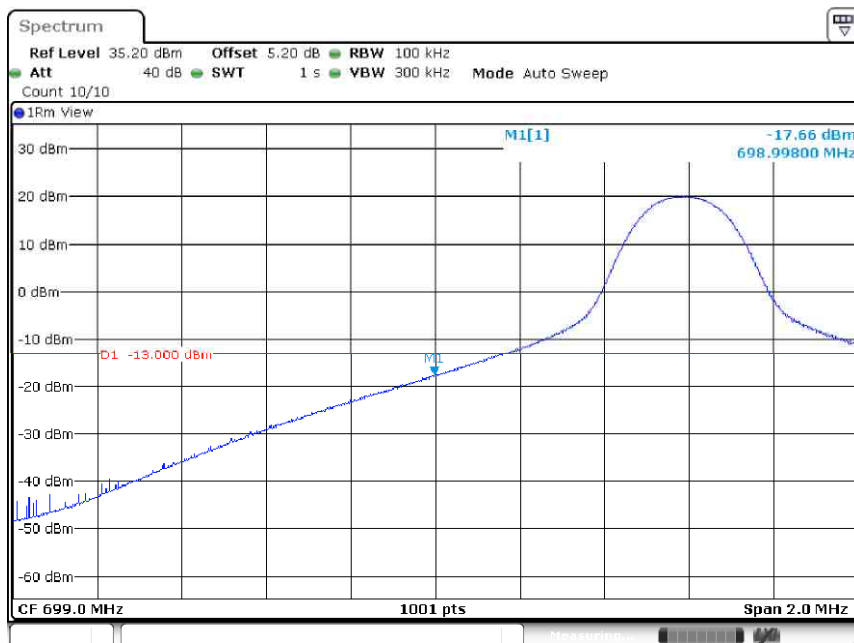


Band12-5MHz-16QAM-23155-25RB#0



Date: 10 JUL 2020 01:33:29

Band12-10MHz-QPSK-23060-1RB#0



Date: 10 JUL 2020 01:33:55

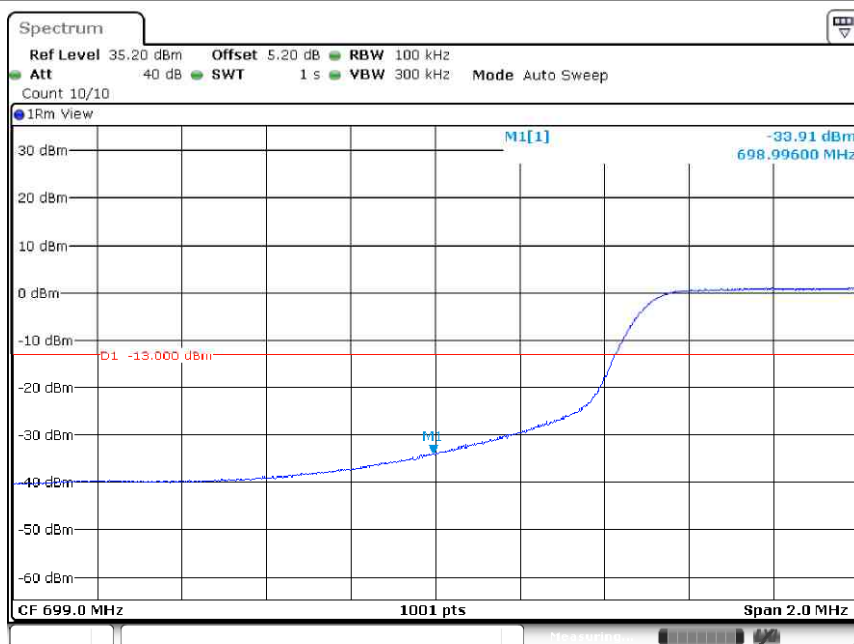


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Band12-10MHz-QPSK-23060-50RB#0



Date: 10 JUL 2020 01:34:36

Band12-10MHz-QPSK-23130-1RB#49



Date: 10 JUL 2020 01:35:21



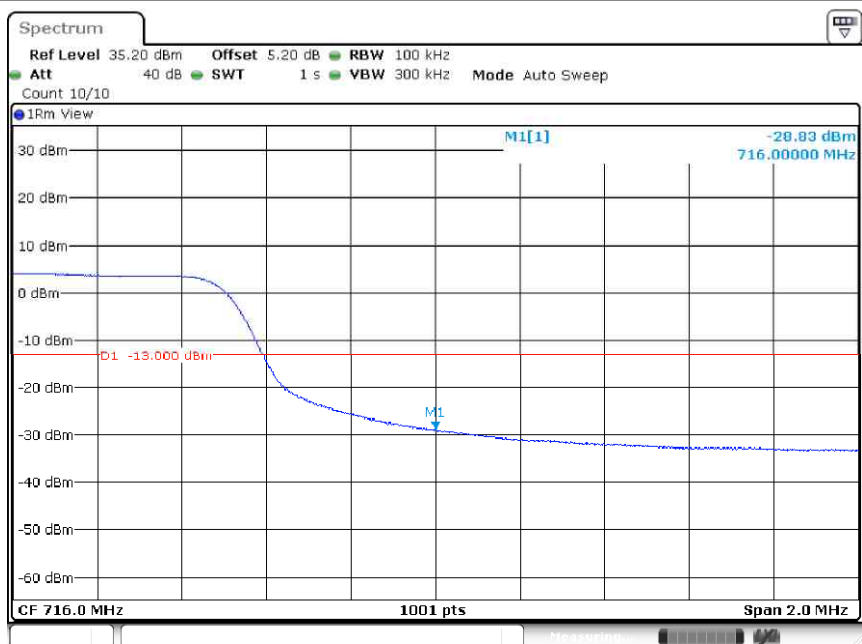
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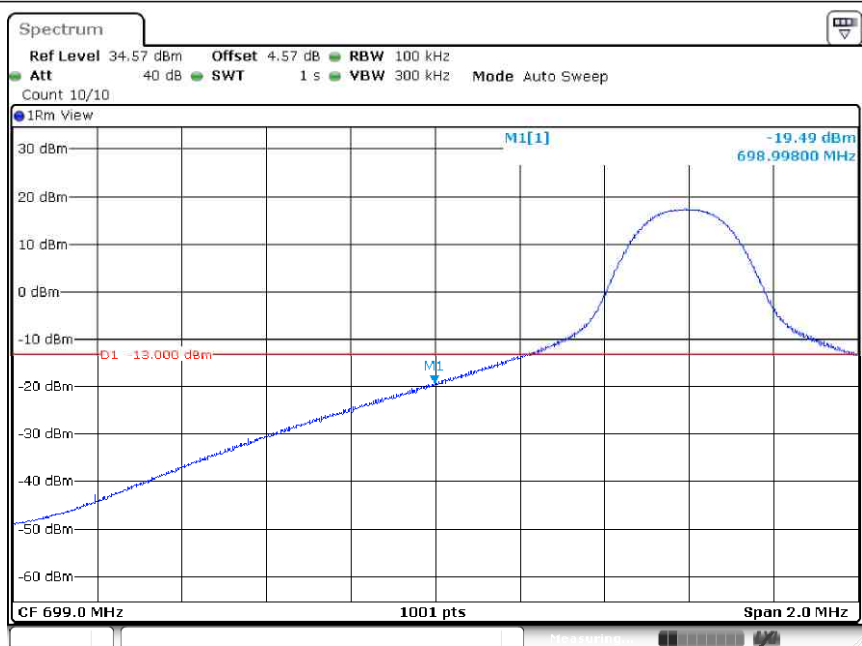


Band12-10MHz-QPSK-23130-50RB#0



Date: 10 JUL 2020 01:36:02

Band12-10MHz-64QAM-23060-1RB#0



Date: 14 JUL 2020 08:35:56



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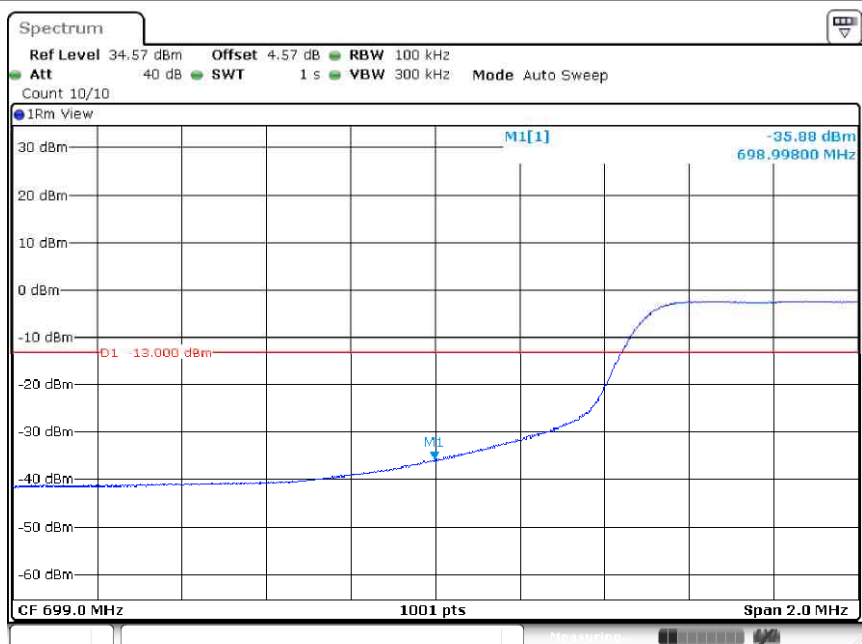
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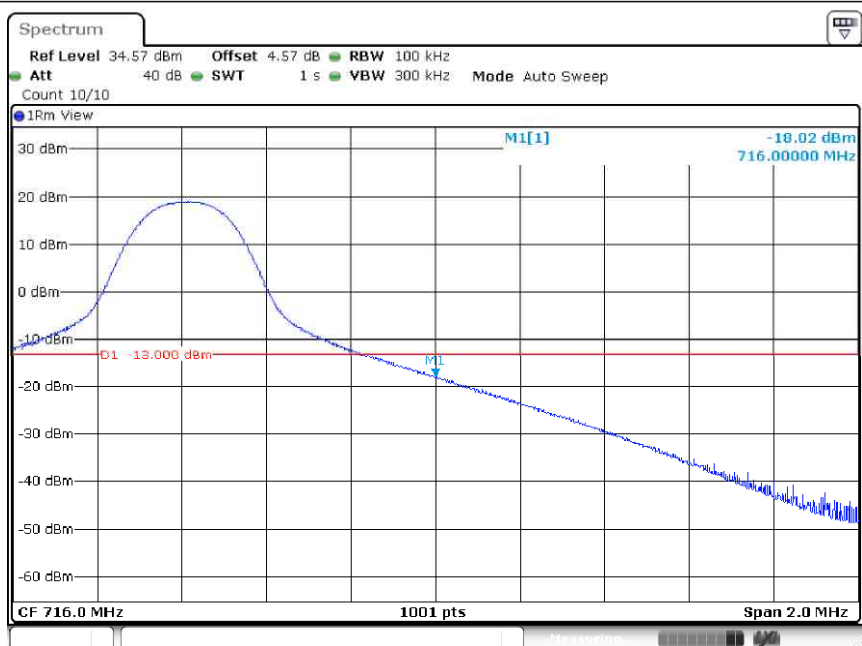


Band12-10MHz-64QAM-23060-50RB#0



Date: 14 JUL 2020 08:36:16

Band12-10MHz-64QAM-23130-1RB#49



Date: 14 JUL 2020 08:36:41



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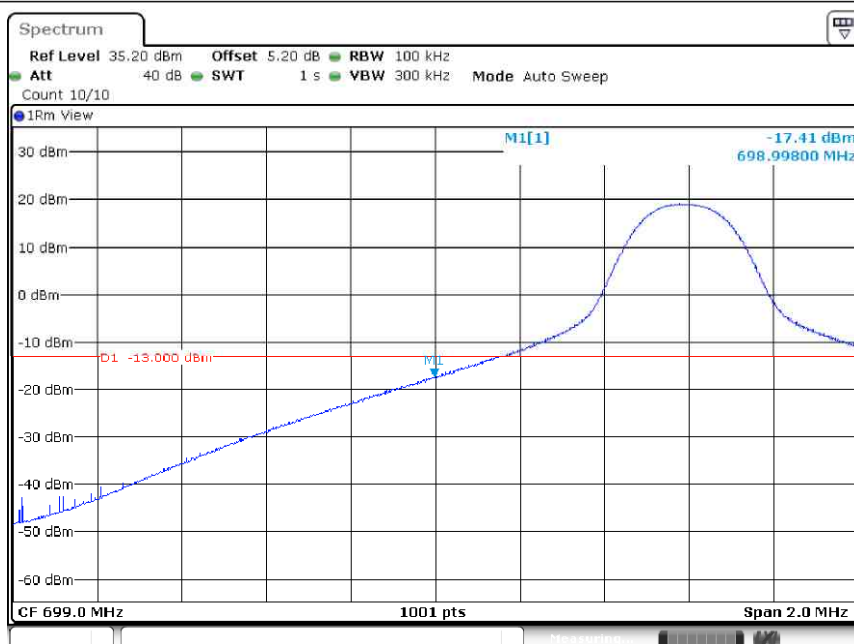


Band12-10MHz-64QAM-23130-50RB#0



Date: 14 JUL 2020 08:37:02

Band12-10MHz-16QAM-23060-1RB#0



Date: 10 JUL 2020 01:34:15



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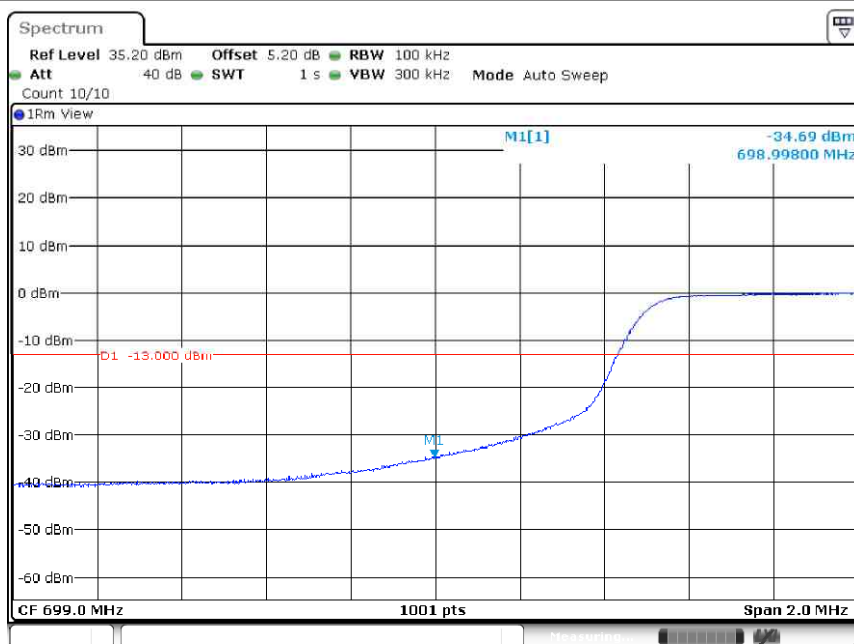
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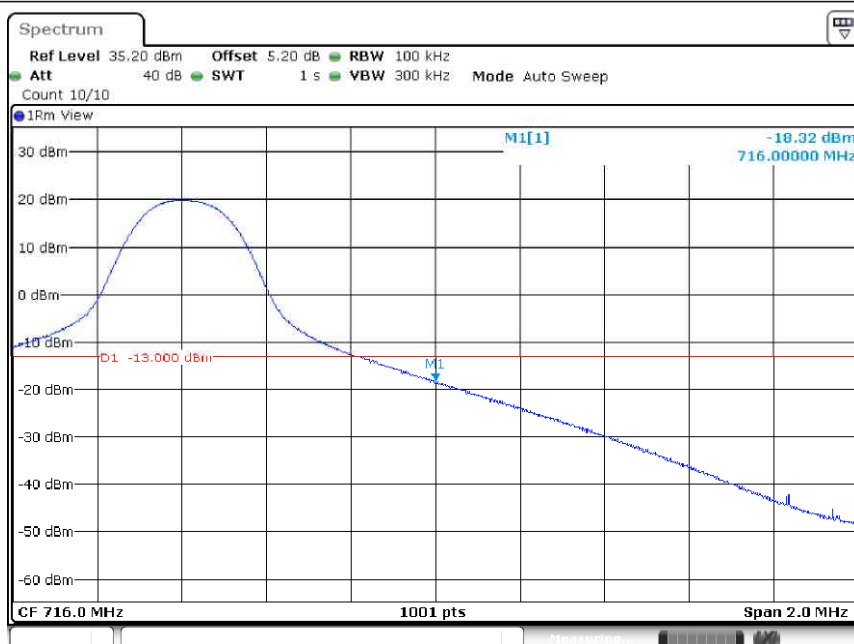


Band12-10MHz-16QAM-23060-50RB#0



Date: 10 JUL 2020 01:34:56

Band12-10MHz-16QAM-23130-1RB#49



Date: 10 JUL 2020 01:35:42

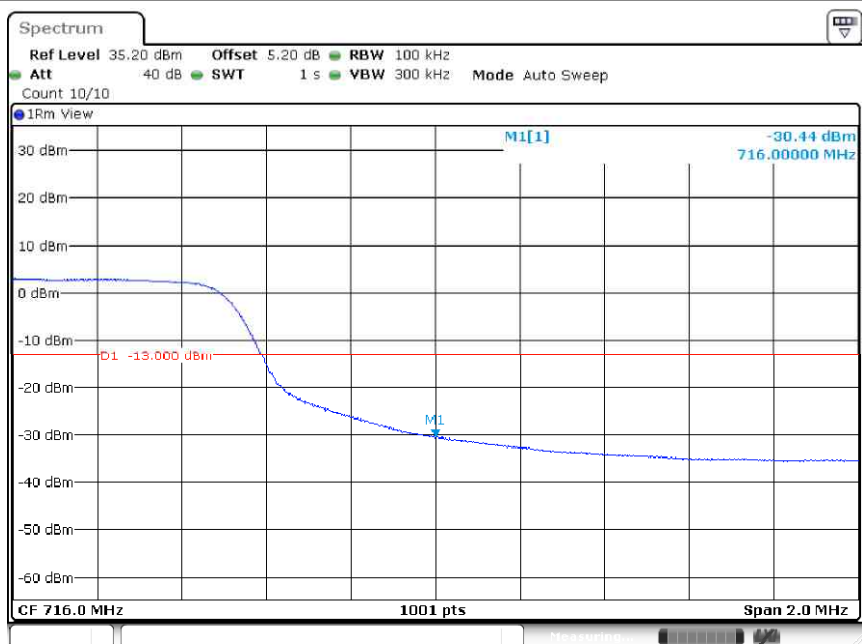


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Band12-10MHz-16QAM-23130-50RB#0



Date: 10 JUL 2020 01:36:23





## 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.



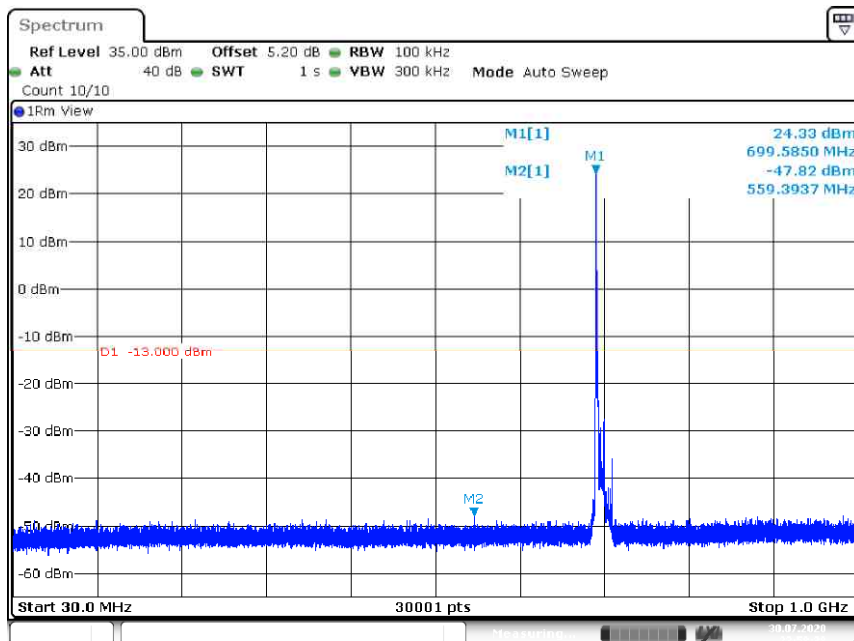
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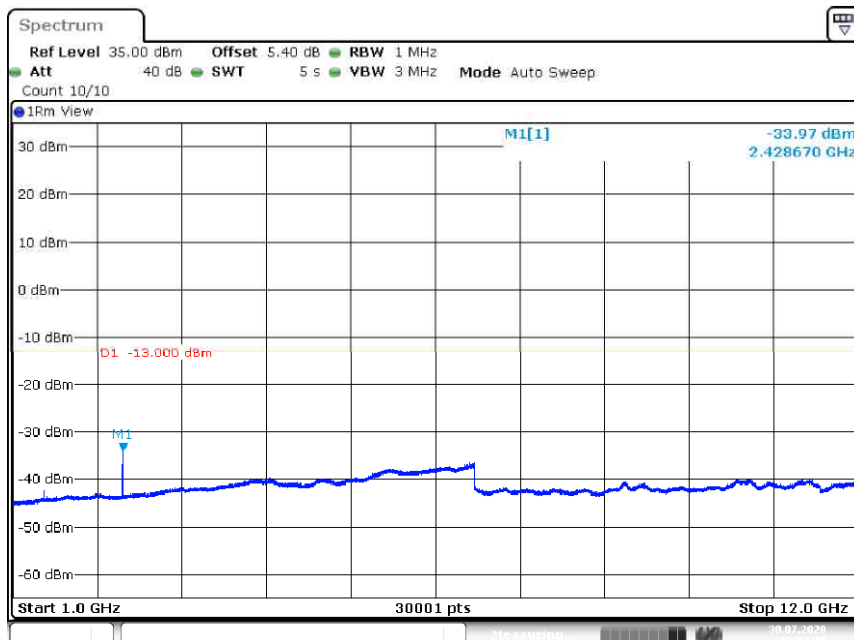
## 6.1. Test Plots

Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Date: 30 JUL 2020 22:58:39

Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~12000MHz



Date: 30 JUL 2020 22:59:46

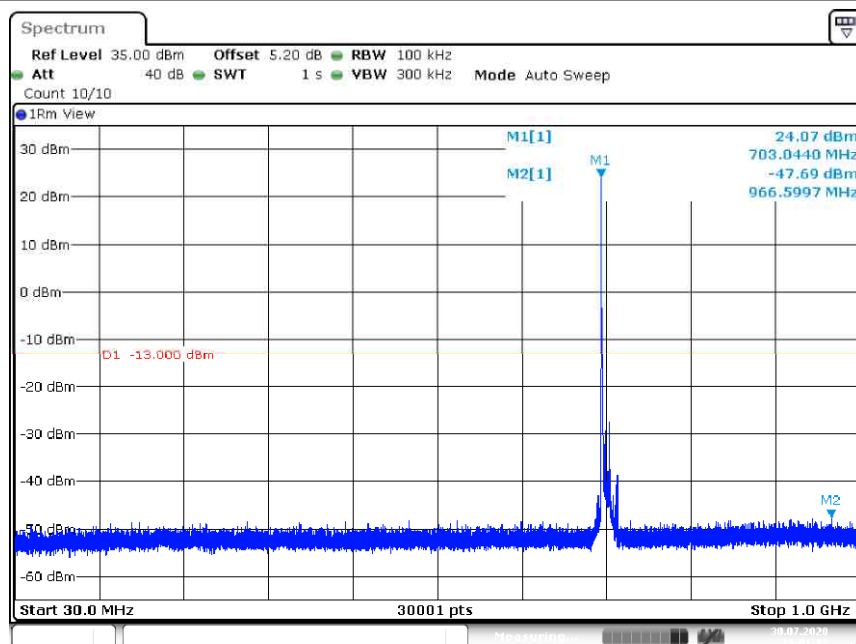


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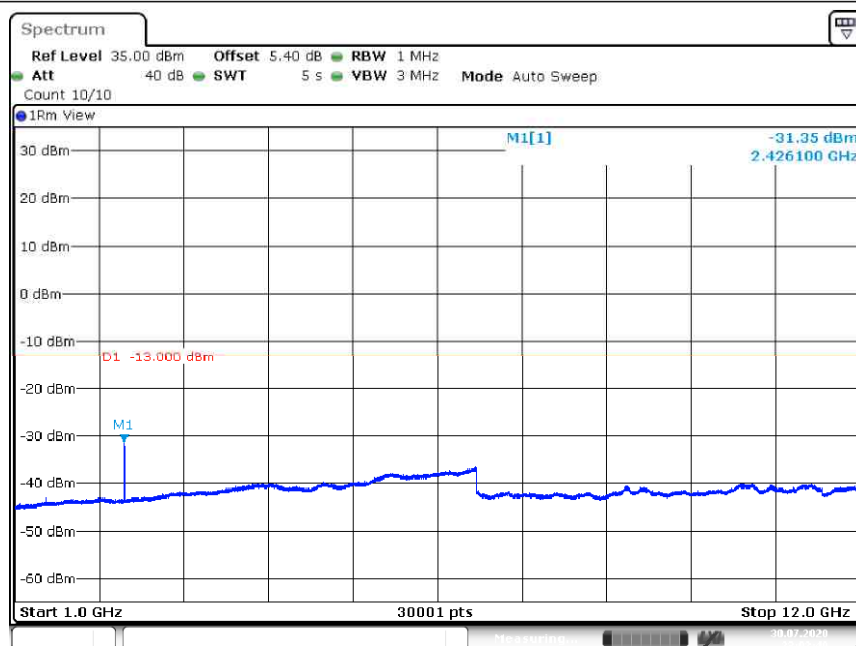
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Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Date: 30 JUL 2020 23:01:33

Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~12000MHz



Date: 30 JUL 2020 23:02:40



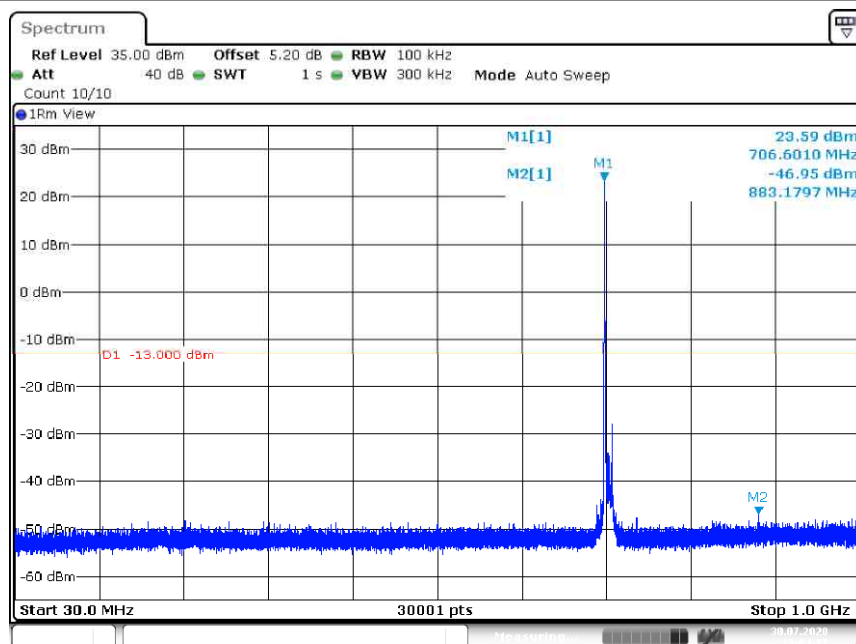
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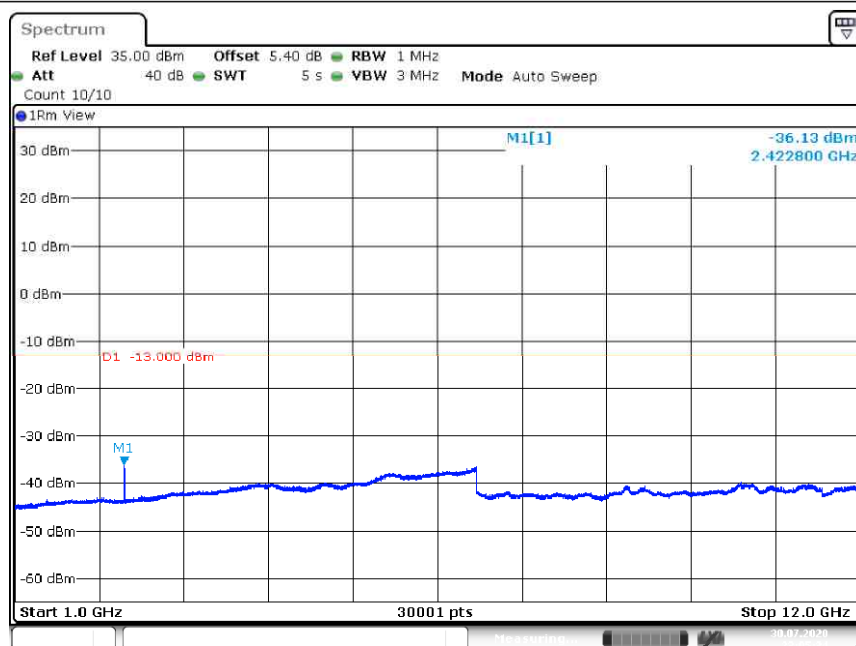
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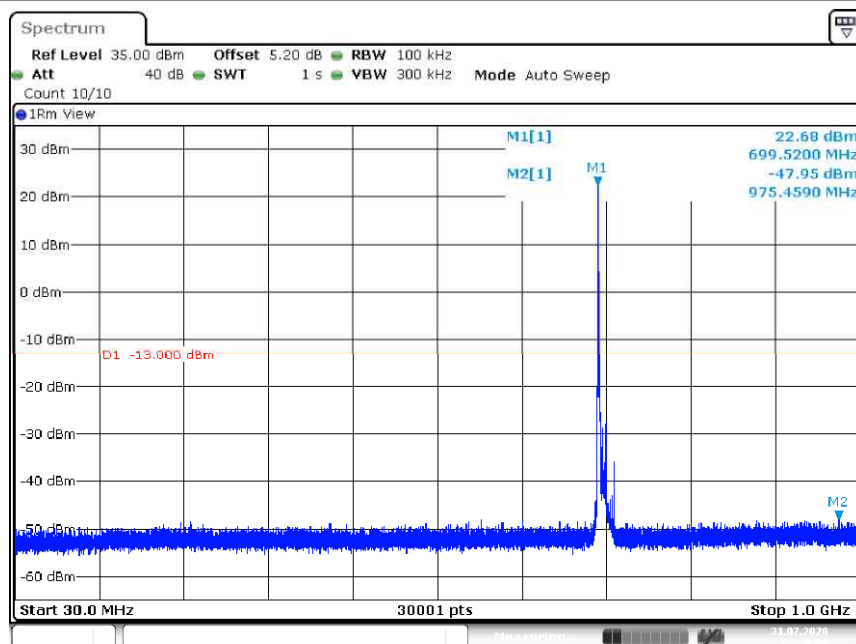
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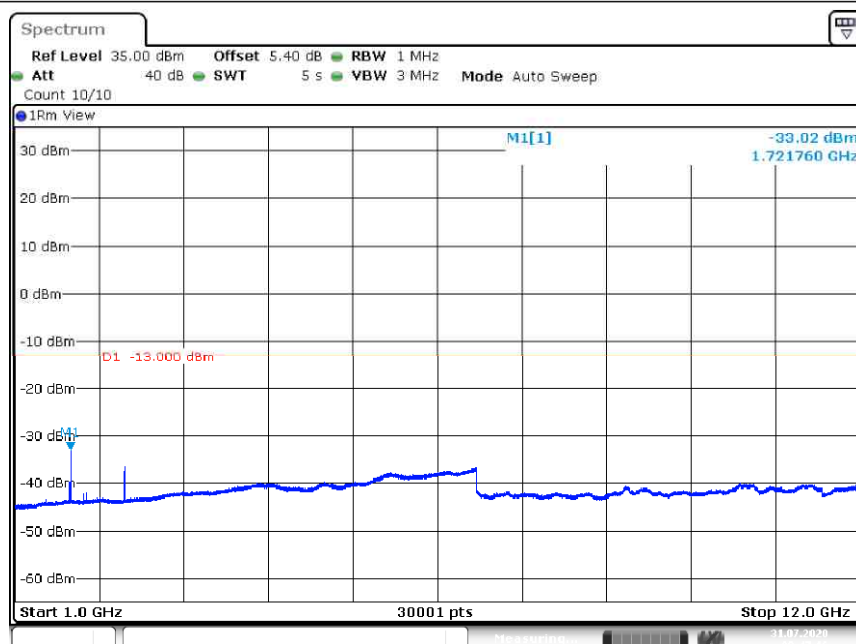


Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 08:46:09

Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 08:47:17

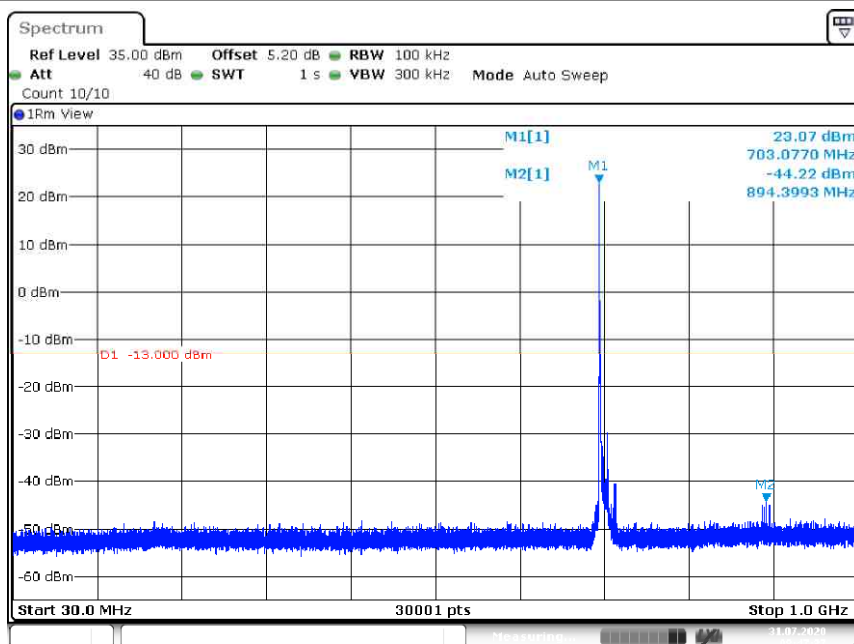


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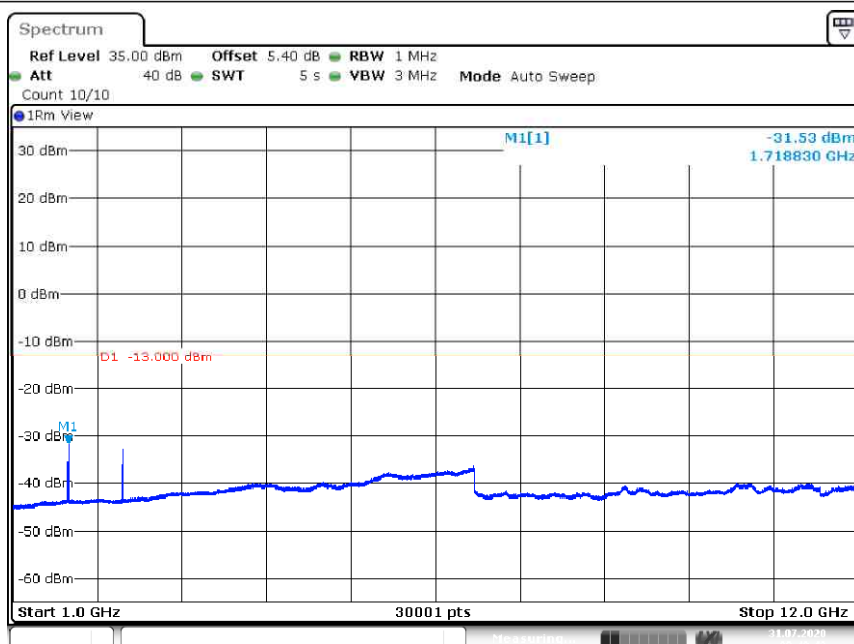
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Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~12000MHz



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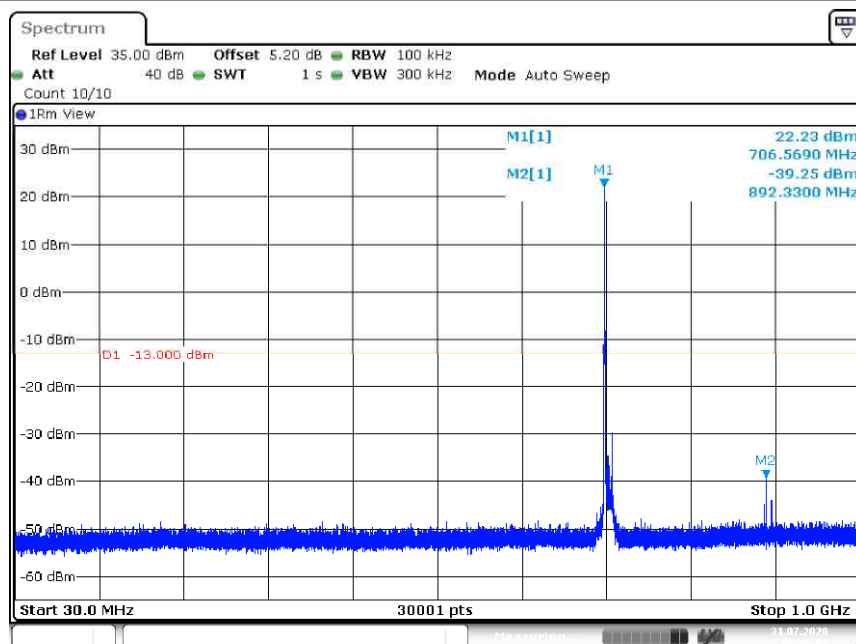
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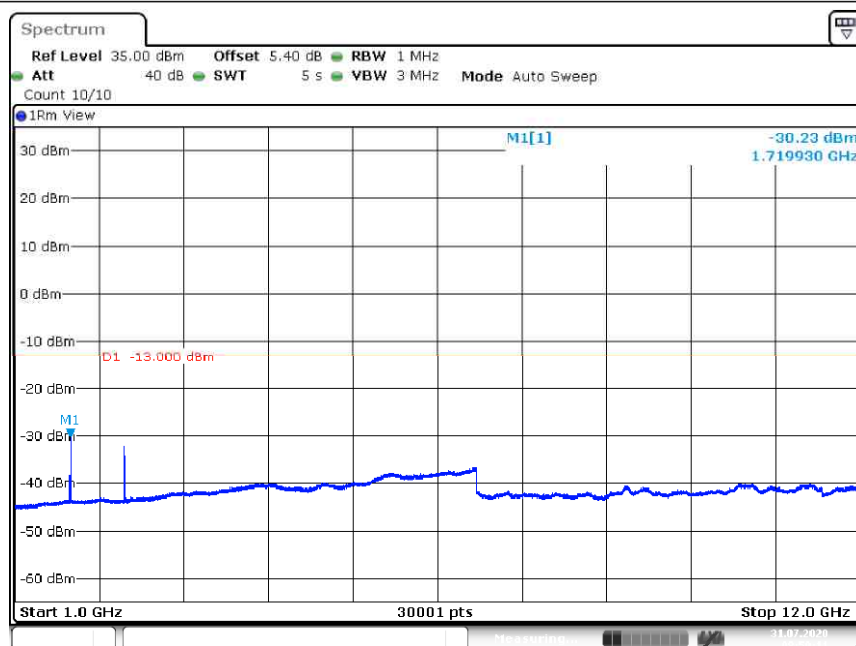
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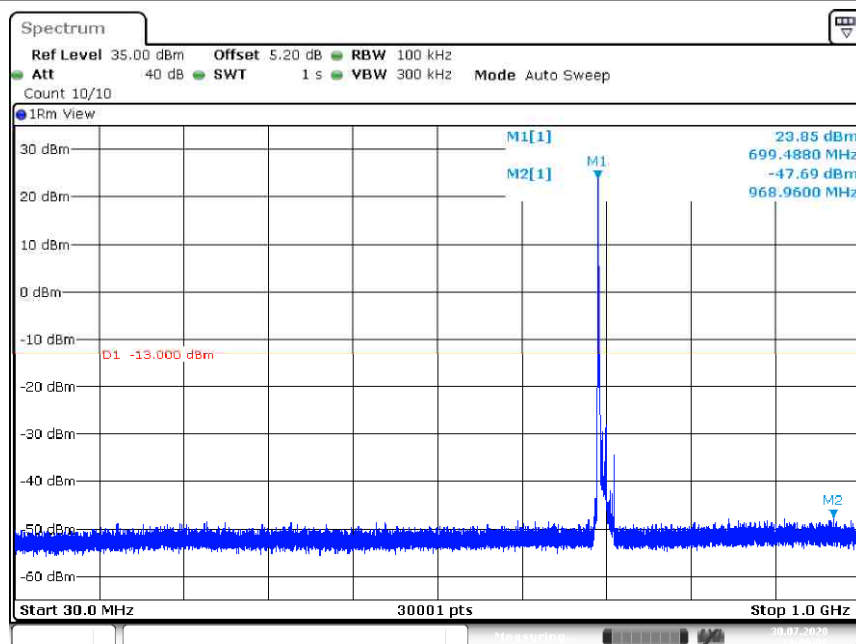


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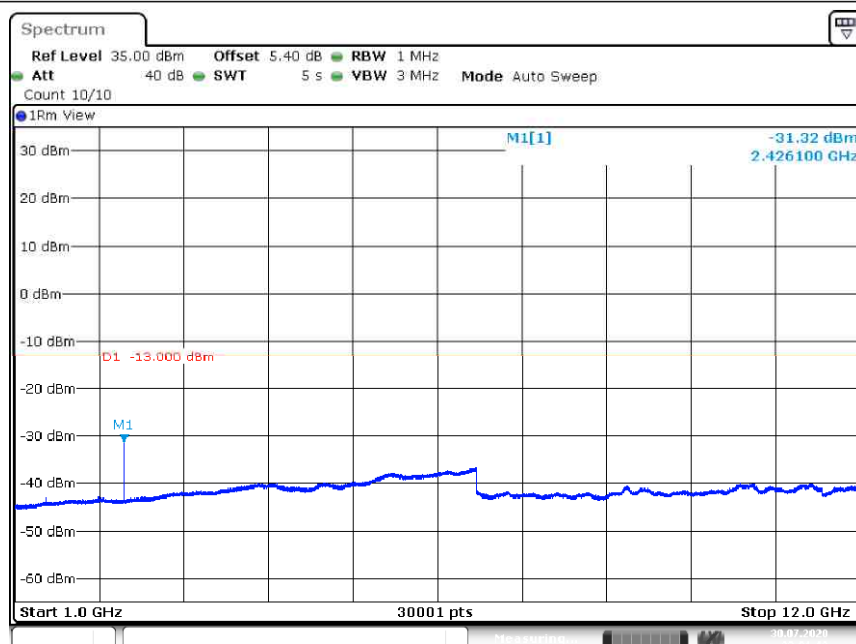


Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:00:06

Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~12000MHz



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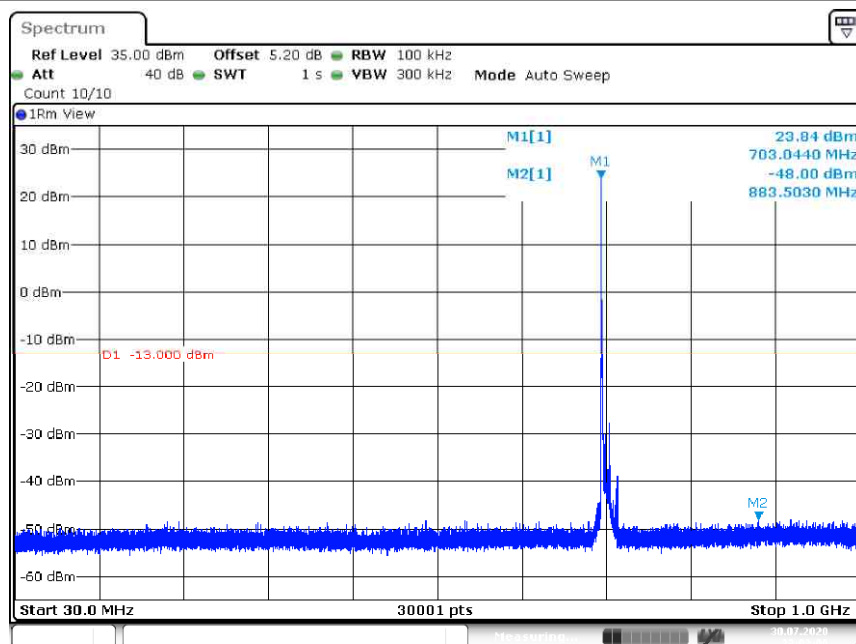
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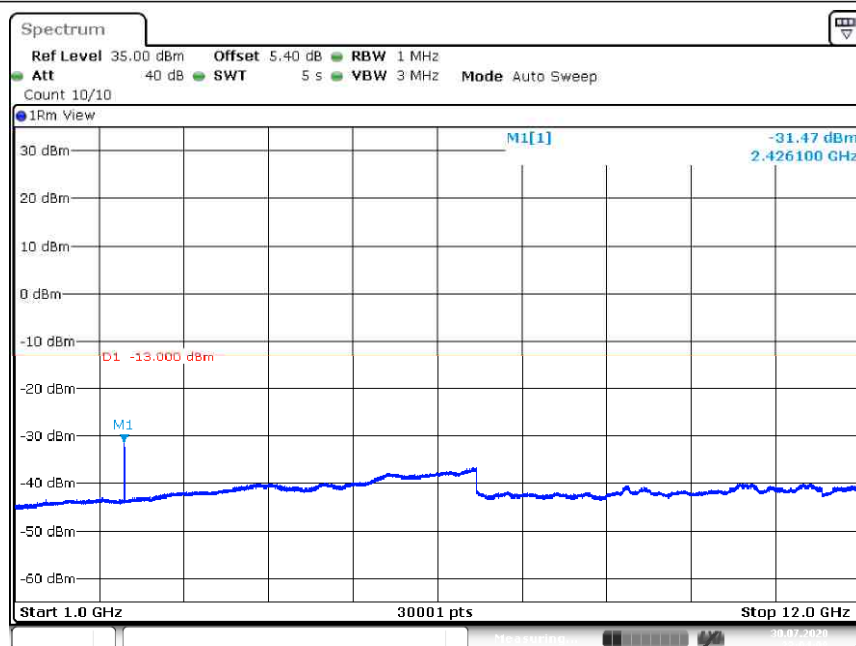


Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:03:00

Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~12000MHz



Date: 30.JUL.2020 23:04:08



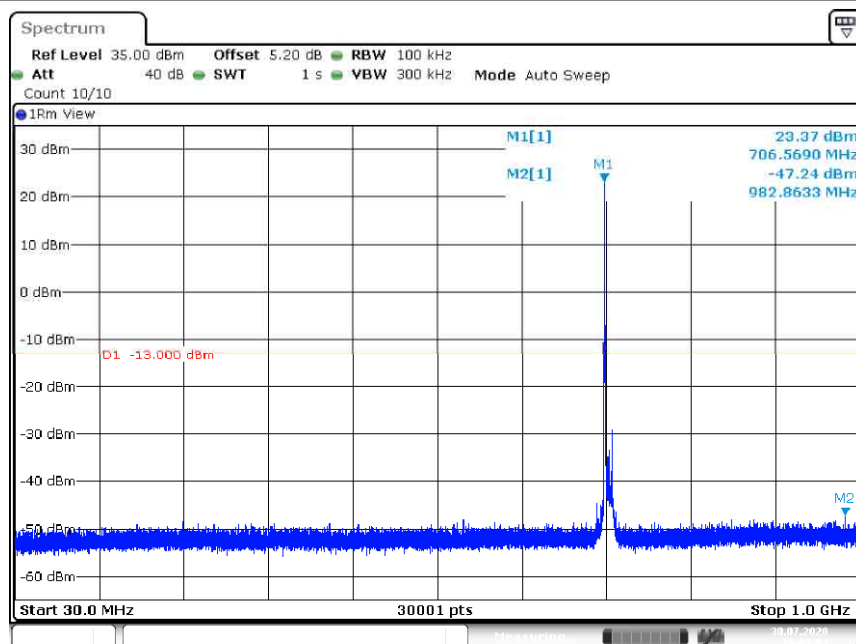
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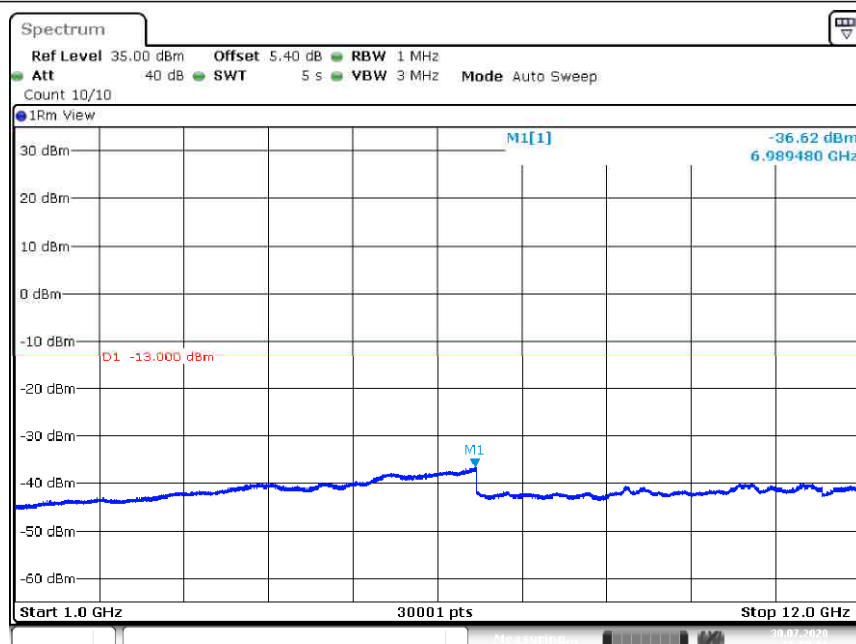


Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:05:55

Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~12000MHz



Date: 30.JUL.2020 23:07:02



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 10MHz

#### 7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 55.0273         | -71.83      | -13.00           | 58.83       | Vertical     |
| 116.9163        | -64.67      | -13.00           | 51.67       | Vertical     |
| 1399.2799       | -57.63      | -13.00           | 44.63       | Vertical     |
| 3000.0000       | -55.36      | -13.00           | 42.36       | Vertical     |
| 7998.8000       | -55.54      | -13.00           | 42.54       | Vertical     |
| 17999.4000      | -38.84      | -13.00           | 25.84       | Vertical     |
| 42.2711         | -63.35      | -13.00           | 50.35       | Horizontal   |
| 238.0754        | -67.60      | -13.00           | 54.60       | Horizontal   |
| 499.6490        | -65.29      | -13.00           | 52.29       | Horizontal   |
| 1398.8798       | -53.89      | -13.00           | 40.89       | Horizontal   |
| 2697.9396       | -55.43      | -13.00           | 42.43       | Horizontal   |
| 16399.1360      | -41.28      | -13.00           | 28.28       | Horizontal   |

#### 7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 57.1614         | -72.51      | -13.00           | 59.51       | Vertical     |
| 118.7109        | -64.57      | -13.00           | 51.57       | Vertical     |
| 1406.0812       | -58.71      | -13.00           | 45.71       | Vertical     |
| 2996.7994       | -55.64      | -13.00           | 42.64       | Vertical     |
| 7465.9786       | -55.35      | -13.00           | 42.35       | Vertical     |
| 17993.9998      | -38.95      | -13.00           | 25.95       | Vertical     |
| 44.9387         | -63.91      | -13.00           | 50.91       | Horizontal   |
| 228.5689        | -68.22      | -13.00           | 55.22       | Horizontal   |
| 1406.0812       | -52.18      | -13.00           | 39.18       | Horizontal   |
| 2709.5419       | -55.24      | -13.00           | 42.24       | Horizontal   |
| 7482.1793       | -55.92      | -13.00           | 42.92       | Horizontal   |
| 16399.1360      | -41.71      | -13.00           | 28.71       | Horizontal   |



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### 7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 49.5950         | -72.12      | -13.00           | 59.12       | Vertical     |
| 116.0433        | -65.02      | -13.00           | 52.02       | Vertical     |
| 1413.2827       | -61.18      | -13.00           | 48.18       | Vertical     |
| 2998.3997       | -55.70      | -13.00           | 42.70       | Vertical     |
| 7365.1746       | -55.40      | -13.00           | 42.40       | Vertical     |
| 17995.1998      | -39.11      | -13.00           | 26.11       | Vertical     |
| 44.0172         | -64.01      | -13.00           | 51.01       | Horizontal   |
| 233.2252        | -67.73      | -13.00           | 54.73       | Horizontal   |
| 1412.8826       | -56.54      | -13.00           | 43.54       | Horizontal   |
| 2699.1398       | -55.45      | -13.00           | 42.45       | Horizontal   |
| 7483.9794       | -55.84      | -13.00           | 42.84       | Horizontal   |
| 16393.7357      | -41.87      | -13.00           | 28.87       | 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 |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VL            | NT               | -0.70          | -0.000994       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VN            | NT               | -2.70          | -0.003835       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VH            | NT               | -1.60          | -0.002273       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VL            | NT               | -2.30          | -0.003251       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VN            | NT               | -8.90          | -0.012580       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VH            | NT               | -1.50          | -0.002120       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VL            | NT               | -7.10          | -0.009986       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VN            | NT               | -5.10          | -0.007173       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VH            | NT               | -2.60          | -0.003657       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VL            | NT               | -3.20          | -0.004545       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VN            | NT               | -6.40          | -0.009091       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VH            | NT               | -2.50          | -0.003551       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VL            | NT               | -5.30          | -0.007491       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VN            | NT               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VH            | NT               | -4.70          | -0.006643       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VL            | NT               | -3.10          | -0.004360       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VN            | NT               | -7.70          | -0.010830       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VH            | NT               | -5.90          | -0.008298       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VL            | NT               | -1.60          | -0.002273       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VN            | NT               | -7.10          | -0.010085       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VH            | NT               | -5.40          | -0.007670       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VL            | NT               | -4.30          | -0.006078       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VN            | NT               | -0.40          | -0.000565       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VH            | NT               | -8.30          | -0.011731       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VL            | NT               | -3.70          | -0.005204       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VN            | NT               | -2.90          | -0.004079       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VH            | NT               | -8.00          | -0.011252       | ±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 |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -30              | -11.40         | -0.016193       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -20              | -9.40          | -0.013352       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -10              | -6.74          | -0.009574       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 0                | -7.40          | -0.010511       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 10               | -6.20          | -0.008807       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 20               | -3.50          | -0.004972       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 30               | -3.30          | -0.004688       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 40               | -1.60          | -0.002273       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 50               | -3.60          | -0.005114       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -30              | -9.20          | -0.013004       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -20              | -7.20          | -0.010177       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -10              | -6.12          | -0.008650       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 0                | -3.20          | -0.004523       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 10               | -4.50          | -0.006360       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 20               | -6.90          | -0.009753       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 30               | -5.90          | -0.008339       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 40               | -9.50          | -0.013428       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 50               | -3.80          | -0.005371       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -30              | -6.70          | -0.009423       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -20              | -5.60          | -0.007876       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -10              | -7.83          | -0.011013       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 0                | -9.50          | -0.013361       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 10               | -7.30          | -0.010267       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 20               | -1.70          | -0.002391       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 30               | -5.80          | -0.008158       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 40               | -3.90          | -0.005485       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 50               | -8.40          | -0.011814       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | -30              | -1.10          | -0.001563       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | -20              | -6.40          | -0.009091       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | -10              | -5.38          | -0.007642       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 0                | -3.40          | -0.004830       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 10               | -4.30          | -0.006108       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 20               | -4.50          | -0.006392       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 30               | -6.50          | -0.009233       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 40               | -3.40          | -0.004830       | ±2.5        | PASS    |



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|        |       |       |       |        |    |     |       |           |      |      |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 50  | -7.80 | -0.011080 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -30 | -4.30 | -0.006078 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -20 | -0.40 | -0.000565 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -10 | -2.87 | -0.004057 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 0   | 0.00  | 0.000000  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 10  | -6.60 | -0.009329 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 20  | -7.80 | -0.011025 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 30  | -1.90 | -0.002686 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 40  | -1.80 | -0.002544 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 50  | -4.00 | -0.005654 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -30 | -6.60 | -0.009283 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -20 | -7.00 | -0.009845 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -10 | -5.27 | -0.007412 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 0   | -7.50 | -0.010549 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 10  | -9.10 | -0.012799 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 20  | -7.70 | -0.010830 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 30  | -5.70 | -0.008017 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 40  | -4.00 | -0.005626 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 50  | -4.50 | -0.006329 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | -30 | -7.50 | -0.010653 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | -20 | -1.50 | -0.002131 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | -10 | -3.39 | -0.004815 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 0   | -6.40 | -0.009091 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 10  | -6.40 | -0.009091 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 20  | -1.90 | -0.002699 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 30  | -7.20 | -0.010227 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 40  | -4.40 | -0.006250 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 50  | -3.90 | -0.005540 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -30 | -8.30 | -0.011731 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -20 | -5.20 | -0.007350 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -10 | 1.12  | 0.001583  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 0   | -1.80 | -0.002544 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 10  | 0.70  | 0.000989  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 20  | -4.40 | -0.006219 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 30  | -4.80 | -0.006784 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 40  | -1.00 | -0.001413 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 50  | -7.00 | -0.009894 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -30 | -7.80 | -0.010970 | ±2.5 | PASS |



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|        |       |       |       |        |    |     |       |           |      |      |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -20 | -4.40 | -0.006188 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -10 | -3.11 | -0.004374 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 0   | -2.30 | -0.003235 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 10  | -3.50 | -0.004923 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 20  | -5.80 | -0.008158 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 30  | -6.90 | -0.009705 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 40  | -6.10 | -0.008579 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 50  | -5.20 | -0.007314 | ±2.5 | PASS |



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