



# Appendix B

## E-UTRA Band 12



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

**CONFIG 0:**

| Band   | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0      | 23.63        | 13.28     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2      | 23.54        | 13.19     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5      | 23.56        | 13.21     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0      | 23.49        | 13.14     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1      | 23.78        | 13.43     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3      | 23.66        | 13.31     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0      | 22.65        | 12.30     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0      | 23.65        | 13.30     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2      | 23.83        | 13.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5      | 23.75        | 13.40     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0      | 23.81        | 13.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1      | 23.78        | 13.43     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3      | 23.71        | 13.36     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0      | 22.82        | 12.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0      | 23.85        | 13.50     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2      | 23.76        | 13.41     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5      | 23.78        | 13.43     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0      | 23.82        | 13.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1      | 24.09        | 13.74     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#3      | 23.83        | 13.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0      | 22.76        | 12.41     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0      | 22.60        | 12.25     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2      | 22.90        | 12.55     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5      | 22.45        | 12.10     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0      | 22.66        | 12.31     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1      | 22.54        | 12.19     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3      | 22.72        | 12.37     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0      | 21.97        | 11.62     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0      | 23.04        | 12.69     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2      | 23.05        | 12.70     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5      | 22.73        | 12.38     | 34.77       | PASS    |



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|        |        |       |       |        |       |       |       |      |
|--------|--------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0  | 22.87 | 12.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1  | 22.68 | 12.33 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3  | 22.70 | 12.35 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0  | 21.90 | 11.55 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 23.05 | 12.70 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2  | 22.77 | 12.42 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 22.77 | 12.42 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.71 | 12.36 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.47 | 12.12 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.56 | 12.21 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.78 | 11.43 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#0  | 21.56 | 11.21 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#2  | 21.86 | 11.51 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#5  | 21.45 | 11.10 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#0  | 21.62 | 11.27 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#1  | 21.49 | 11.14 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#3  | 21.68 | 11.33 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 6RB#0  | 20.92 | 10.57 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#0  | 22.03 | 11.68 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#2  | 22.05 | 11.70 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#5  | 21.71 | 11.36 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#0  | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#1  | 21.68 | 11.33 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#3  | 21.69 | 11.34 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 6RB#0  | 20.87 | 10.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#0  | 22.02 | 11.67 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#2  | 21.74 | 11.39 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#5  | 21.77 | 11.42 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#0  | 21.67 | 11.32 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#1  | 21.47 | 11.12 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#3  | 21.56 | 11.21 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 6RB#0  | 20.75 | 10.40 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.62 | 13.27 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.65 | 13.30 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.60 | 13.25 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.75 | 12.40 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.60 | 12.25 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.71 | 12.36 | 34.77 | PASS |



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|        |      |       |       |        |       |       |       |      |
|--------|------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 3MHz | QPSK  | 23025 | 15RB#0 | 22.88 | 12.53 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0  | 23.69 | 13.34 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#8  | 23.94 | 13.59 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#14 | 23.99 | 13.64 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#0  | 22.83 | 12.48 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#4  | 22.78 | 12.43 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#7  | 22.72 | 12.37 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 15RB#0 | 22.84 | 12.49 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0  | 23.89 | 13.54 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#8  | 24.06 | 13.71 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#14 | 23.83 | 13.48 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0  | 22.75 | 12.40 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4  | 22.91 | 12.56 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7  | 22.88 | 12.53 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0 | 22.93 | 12.58 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0  | 22.68 | 12.33 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8  | 22.86 | 12.51 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 22.66 | 12.31 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0  | 21.72 | 11.37 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4  | 21.73 | 11.38 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7  | 21.67 | 11.32 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 21.70 | 11.35 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0  | 23.26 | 12.91 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8  | 23.18 | 12.83 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 22.82 | 12.47 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0  | 21.89 | 11.54 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4  | 22.02 | 11.67 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7  | 21.69 | 11.34 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 21.97 | 11.62 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0  | 22.97 | 12.62 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8  | 22.86 | 12.51 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 23.12 | 12.77 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0  | 21.87 | 11.52 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4  | 21.83 | 11.48 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7  | 21.87 | 11.52 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 21.85 | 11.50 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#0  | 21.66 | 11.31 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#8  | 21.82 | 11.47 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 3MHz | 64QAM | 23025 | 1RB#14  | 21.61 | 11.26 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#0   | 20.68 | 10.33 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#4   | 20.69 | 10.34 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#7   | 20.64 | 10.29 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 15RB#0  | 20.67 | 10.32 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#0   | 22.25 | 11.90 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#8   | 22.13 | 11.78 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#14  | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#0   | 20.87 | 10.52 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#4   | 21.01 | 10.66 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#7   | 20.64 | 10.29 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 15RB#0  | 20.92 | 10.57 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#0   | 21.93 | 11.58 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#8   | 21.85 | 11.50 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#14  | 22.12 | 11.77 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#0   | 20.83 | 10.48 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#4   | 20.81 | 10.46 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#7   | 20.87 | 10.52 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 15RB#0  | 20.84 | 10.49 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.70 | 13.35 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.71 | 13.36 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.69 | 13.34 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.72 | 12.37 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.68 | 12.33 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.66 | 12.31 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.84 | 12.49 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 23.77 | 13.42 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 23.82 | 13.47 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 23.93 | 13.58 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.76 | 12.41 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.92 | 12.57 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.87 | 12.52 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.81 | 12.46 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 23.76 | 13.41 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 23.95 | 13.60 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 23.89 | 13.54 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 22.90 | 12.55 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 23.06 | 12.71 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 22.85 | 12.50 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 22.90 | 12.55 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 23.09 | 12.74 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 23.09 | 12.74 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 22.95 | 12.60 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.77 | 11.42 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.74 | 11.39 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.95 | 11.60 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.93 | 12.58 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 23.04 | 12.69 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 23.02 | 12.67 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 21.90 | 11.55 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 21.98 | 11.63 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 21.87 | 11.52 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 22.80 | 12.45 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12  | 23.10 | 12.75 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24  | 22.85 | 12.50 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0  | 21.87 | 11.52 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6  | 21.84 | 11.49 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 21.48 | 11.13 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0  | 21.86 | 11.51 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#0   | 21.64 | 11.29 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#12  | 21.83 | 11.48 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#24  | 21.66 | 11.31 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#0  | 20.70 | 10.35 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#6  | 20.68 | 10.33 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#13 | 20.62 | 10.27 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 25RB#0  | 20.68 | 10.33 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#0   | 22.21 | 11.86 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#12  | 22.14 | 11.79 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#24  | 21.77 | 11.42 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#0  | 20.85 | 10.50 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#6  | 21.00 | 10.65 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#13 | 20.66 | 10.31 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 25RB#0  | 20.96 | 10.61 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#0   | 21.93 | 11.58 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#12  | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#24  | 22.08 | 11.73 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#0  | 20.83 | 10.48 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#6  | 20.83 | 10.48 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#13 | 20.86 | 10.51 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 25RB#0  | 20.83 | 10.48 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.71 | 13.36 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.70 | 13.35 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 23.91 | 13.56 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.86 | 12.51 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.97 | 12.62 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.86 | 12.51 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.92 | 12.57 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.53 | 13.18 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.86 | 13.51 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 24.12 | 13.77 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.86 | 12.51 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 23.02 | 12.67 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.92 | 12.57 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 23.00 | 12.65 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 23.85 | 13.50 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 23.81 | 13.46 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 24.06 | 13.71 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.89 | 12.54 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.95 | 12.60 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 23.53 | 13.18 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 23.06 | 12.71 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 23.04 | 12.69 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 23.25 | 12.90 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 22.96 | 12.61 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.93 | 11.58 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.99 | 11.64 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 22.00 | 11.65 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 22.10 | 11.75 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.78 | 12.43 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 23.29 | 12.94 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.98 | 12.63 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.92 | 11.57 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 22.00 | 11.65 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 22.02 | 11.67 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 22.04 | 11.69 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 23.21 | 12.86 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.89 | 12.54 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 22.81 | 12.46 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 22.05 | 11.70 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.97 | 11.62 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.91 | 11.56 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 22.00 | 11.65 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0   | 21.66 | 11.31 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#24  | 21.83 | 11.48 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#49  | 21.66 | 11.31 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#0  | 20.67 | 10.32 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#12 | 20.69 | 10.34 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#25 | 20.64 | 10.29 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0  | 20.69 | 10.34 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0   | 22.22 | 11.87 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#24  | 22.16 | 11.81 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#49  | 21.82 | 11.47 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#0  | 20.88 | 10.53 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#12 | 20.98 | 10.63 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#25 | 20.66 | 10.31 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0  | 20.96 | 10.61 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#0   | 21.93 | 11.58 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#24  | 21.85 | 11.50 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49  | 22.11 | 11.76 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#0  | 20.87 | 10.52 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#12 | 20.82 | 10.47 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#25 | 20.87 | 10.52 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0  | 20.81 | 10.46 | 34.77 | PASS |



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**CONFIG 1:**

| Band   | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0      | 24.15        | 18.60     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2      | 24.16        | 18.61     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5      | 24.04        | 18.49     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0      | 24.05        | 18.50     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1      | 24.18        | 18.63     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3      | 24.01        | 18.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0      | 23.14        | 17.59     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0      | 24.04        | 18.49     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2      | 24.10        | 18.55     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5      | 24.07        | 18.52     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0      | 23.97        | 18.42     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1      | 24.08        | 18.53     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3      | 24.09        | 18.54     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0      | 23.15        | 17.60     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0      | 23.90        | 18.35     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2      | 24.01        | 18.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5      | 24.31        | 18.76     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0      | 24.22        | 18.67     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1      | 24.03        | 18.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#3      | 24.02        | 18.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0      | 23.09        | 17.54     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#0      | 23.23        | 17.68     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#2      | 23.41        | 17.86     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 1RB#5      | 23.37        | 17.82     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#0      | 22.96        | 17.41     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#1      | 23.21        | 17.66     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 3RB#3      | 23.11        | 17.56     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0      | 22.21        | 16.66     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#0      | 23.05        | 17.50     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#2      | 23.21        | 17.66     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 1RB#5      | 23.35        | 17.80     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#0      | 23.07        | 17.52     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#1      | 22.99        | 17.44     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 3RB#3      | 23.03        | 17.48     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0      | 22.21        | 16.66     | 34.77       | PASS    |



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|        |        |       |       |        |       |       |       |      |
|--------|--------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 23.19 | 17.64 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2  | 22.96 | 17.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 23.11 | 17.56 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.84 | 17.29 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 23.00 | 17.45 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.85 | 17.30 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 22.11 | 16.56 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#0  | 22.22 | 16.67 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#2  | 22.39 | 16.84 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#5  | 22.32 | 16.77 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#0  | 21.96 | 16.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#1  | 22.16 | 16.61 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#3  | 22.07 | 16.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 6RB#0  | 21.20 | 15.65 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#0  | 22.00 | 16.45 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#2  | 22.17 | 16.62 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#5  | 22.30 | 16.75 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#0  | 22.07 | 16.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#1  | 21.99 | 16.44 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#3  | 22.02 | 16.47 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 6RB#0  | 21.20 | 15.65 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#0  | 22.15 | 16.60 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#2  | 21.92 | 16.37 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#5  | 22.07 | 16.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#0  | 21.80 | 16.25 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#1  | 21.96 | 16.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#3  | 21.85 | 16.30 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 6RB#0  | 21.11 | 15.56 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 24.10 | 18.55 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 24.32 | 18.77 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 24.04 | 18.49 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 23.21 | 17.66 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 23.19 | 17.64 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 23.08 | 17.53 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 23.26 | 17.71 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 24.11 | 18.56 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 24.23 | 18.68 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 24.33 | 18.78 | 34.77 | PASS |



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|        |      |       |       |        |       |       |       |      |
|--------|------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 3MHz | QPSK  | 23095 | 8RB#0  | 23.05 | 17.50 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#4  | 23.15 | 17.60 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#7  | 23.14 | 17.59 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 15RB#0 | 23.24 | 17.69 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0  | 24.14 | 18.59 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#8  | 24.04 | 18.49 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#14 | 24.16 | 18.61 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0  | 23.05 | 17.50 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4  | 23.37 | 17.82 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7  | 23.16 | 17.61 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0 | 22.91 | 17.36 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0  | 23.06 | 17.51 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8  | 23.54 | 17.99 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 23.21 | 17.66 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0  | 22.29 | 16.74 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4  | 22.26 | 16.71 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7  | 22.23 | 16.68 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 22.22 | 16.67 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0  | 23.42 | 17.87 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8  | 23.27 | 17.72 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 23.52 | 17.97 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0  | 22.10 | 16.55 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4  | 22.29 | 16.74 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7  | 22.31 | 16.76 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 22.21 | 16.66 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0  | 23.48 | 17.93 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8  | 23.16 | 17.61 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 23.22 | 17.67 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0  | 22.15 | 16.60 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4  | 22.05 | 16.50 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7  | 22.07 | 16.52 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 22.04 | 16.49 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#0  | 22.04 | 16.49 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#8  | 22.51 | 16.96 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#14 | 22.20 | 16.65 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#0  | 21.24 | 15.69 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#4  | 21.25 | 15.70 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#7  | 21.23 | 15.68 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 3MHz | 64QAM | 23025 | 15RB#0  | 21.21 | 15.66 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#0   | 22.42 | 16.87 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#8   | 22.23 | 16.68 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#14  | 22.48 | 16.93 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#0   | 21.06 | 15.51 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#4   | 21.25 | 15.70 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#7   | 21.31 | 15.76 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 15RB#0  | 21.17 | 15.62 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#0   | 22.48 | 16.93 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#8   | 22.12 | 16.57 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#14  | 22.22 | 16.67 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#0   | 21.13 | 15.58 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#4   | 21.01 | 15.46 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#7   | 21.07 | 15.52 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 15RB#0  | 21.04 | 15.49 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 24.14 | 18.59 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 24.14 | 18.59 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 24.09 | 18.54 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 23.22 | 17.67 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 23.15 | 17.60 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 23.13 | 17.58 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 23.28 | 17.73 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 24.12 | 18.57 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 24.22 | 18.67 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 24.14 | 18.59 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 23.18 | 17.63 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 23.19 | 17.64 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 23.31 | 17.76 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 23.32 | 17.77 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 24.22 | 18.67 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 24.06 | 18.51 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 23.95 | 18.40 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 23.15 | 17.60 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 23.15 | 17.60 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 23.03 | 17.48 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 23.17 | 17.62 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 23.44 | 17.89 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 23.23 | 17.68 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 23.53 | 17.98 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 22.27 | 16.72 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 22.11 | 16.56 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 22.08 | 16.53 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 22.27 | 16.72 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 23.26 | 17.71 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 23.34 | 17.79 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 23.14 | 17.59 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 22.24 | 16.69 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 22.24 | 16.69 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 22.21 | 16.66 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 22.17 | 16.62 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 23.14 | 17.59 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12  | 23.55 | 18.00 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24  | 23.15 | 17.60 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0  | 22.13 | 16.58 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6  | 22.15 | 16.60 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 22.13 | 16.58 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0  | 22.20 | 16.65 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#0   | 22.06 | 16.51 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#12  | 22.49 | 16.94 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#24  | 22.20 | 16.65 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#0  | 21.25 | 15.70 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#6  | 21.21 | 15.66 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#13 | 21.21 | 15.66 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 25RB#0  | 21.17 | 15.62 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#0   | 22.39 | 16.84 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#12  | 22.27 | 16.72 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#24  | 22.48 | 16.93 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#0  | 21.08 | 15.53 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#6  | 21.26 | 15.71 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#13 | 21.26 | 15.71 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 25RB#0  | 21.20 | 15.65 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#0   | 22.46 | 16.91 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#12  | 22.12 | 16.57 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#24  | 22.19 | 16.64 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 12RB#0  | 21.12 | 15.57 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 12RB#6  | 21.02 | 15.47 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#13 | 21.02 | 15.47 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 25RB#0  | 21.03 | 15.48 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 24.18 | 18.63 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 24.32 | 18.77 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 24.17 | 18.62 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 23.33 | 17.78 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 23.31 | 17.76 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 23.29 | 17.74 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 23.20 | 17.65 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 24.12 | 18.57 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 24.15 | 18.60 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 24.28 | 18.73 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 23.32 | 17.77 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 23.23 | 17.68 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 23.23 | 17.68 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 23.16 | 17.61 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 24.28 | 18.73 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 24.00 | 18.45 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 24.13 | 18.58 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 23.20 | 17.65 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 23.24 | 17.69 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 23.27 | 17.72 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 23.20 | 17.65 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 23.02 | 17.47 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 23.60 | 18.05 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 23.61 | 18.06 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 22.31 | 16.76 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 22.34 | 16.79 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 22.35 | 16.80 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 22.30 | 16.75 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 23.44 | 17.89 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 23.60 | 18.05 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.99 | 17.44 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 22.20 | 16.65 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 22.32 | 16.77 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 22.26 | 16.71 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 22.36 | 16.81 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 23.22 | 17.67 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 23.28 | 17.73 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 23.45 | 17.90 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 22.24 | 16.69 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 22.18 | 16.63 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 22.30 | 16.75 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 22.23 | 16.68 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0   | 22.06 | 16.51 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#24  | 22.49 | 16.94 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#49  | 22.16 | 16.61 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#0  | 21.25 | 15.70 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#12 | 21.23 | 15.68 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#25 | 21.18 | 15.63 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0  | 21.18 | 15.63 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0   | 22.39 | 16.84 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#24  | 22.26 | 16.71 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#49  | 22.47 | 16.92 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#0  | 21.06 | 15.51 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#12 | 21.27 | 15.72 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#25 | 21.27 | 15.72 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0  | 21.18 | 15.63 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#0   | 22.43 | 16.88 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#24  | 22.16 | 16.61 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49  | 22.22 | 16.67 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#0  | 21.14 | 15.59 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#12 | 21.04 | 15.49 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#25 | 21.06 | 15.51 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0  | 20.99 | 15.44 | 34.77 | PASS |

Remark:

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

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

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



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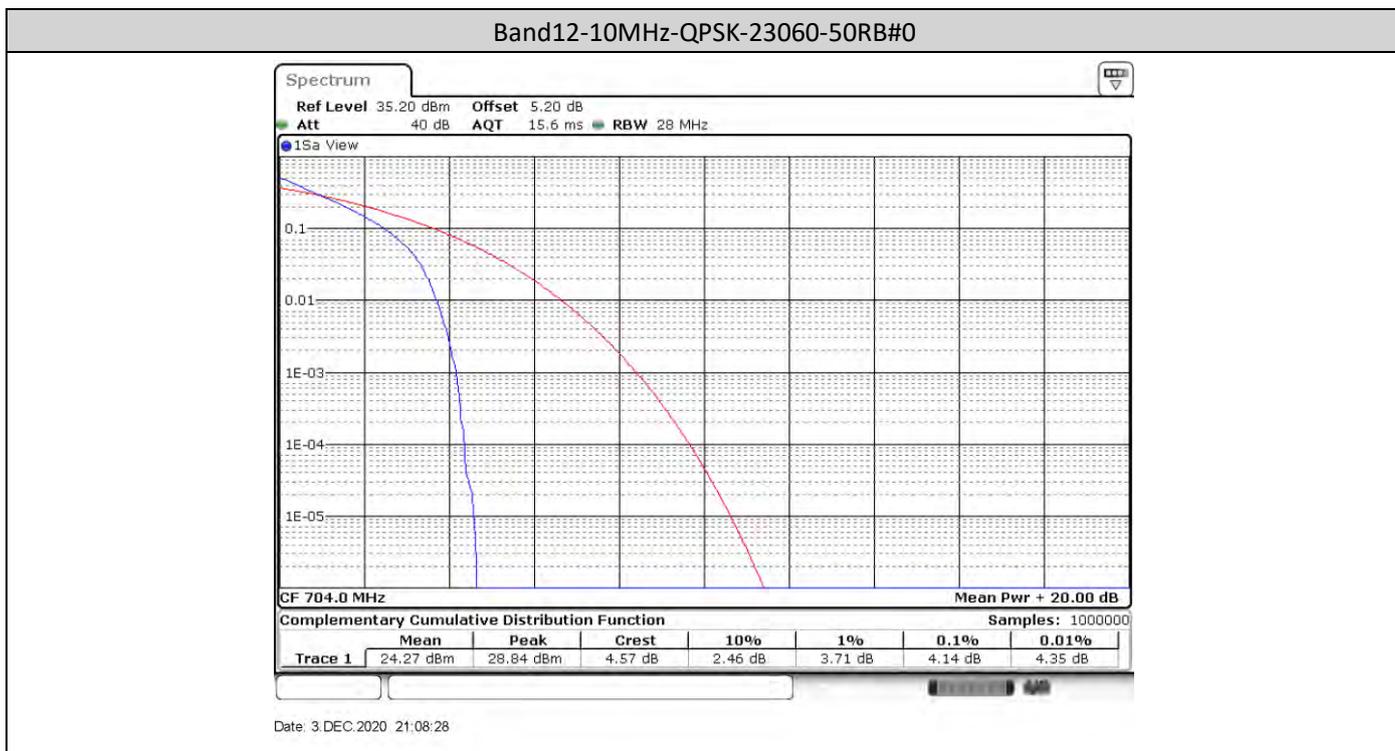


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 4.14       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 4.09       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 4.00       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 6.06       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0           | 5.94       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0           | 5.86       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 5.19       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 5.13       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 5.07       | 13        | PASS    |

### 2.2. Test Plots



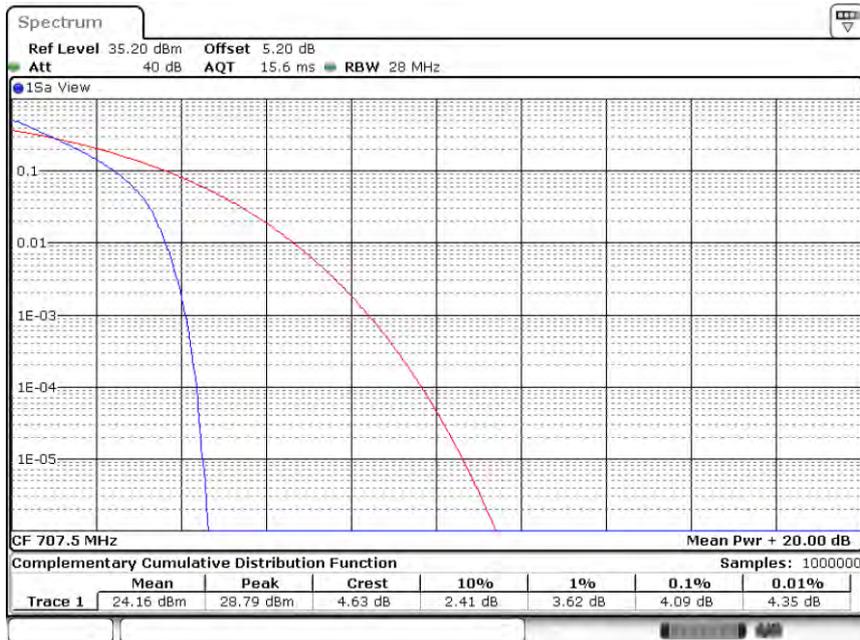
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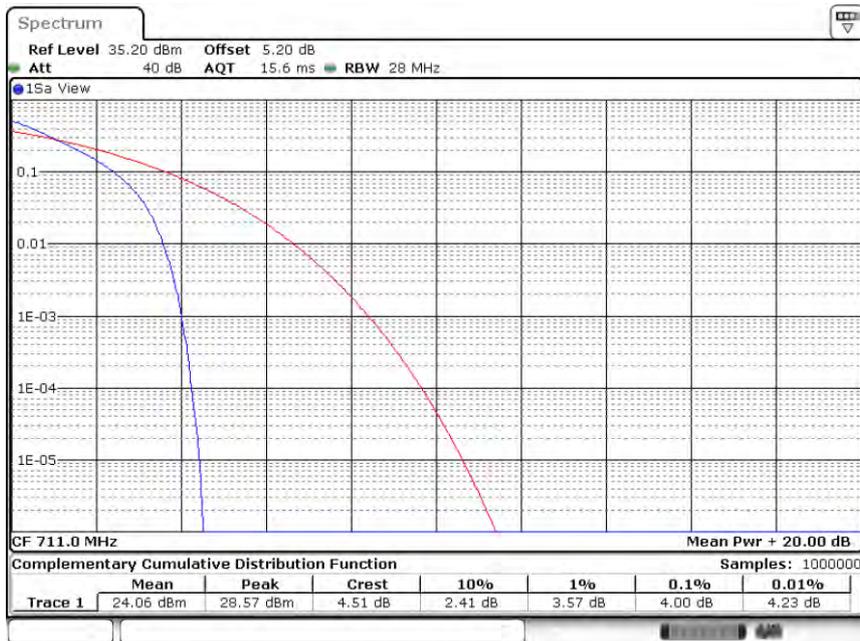


Band12-10MHz-QPSK-23095-50RB#0



Date: 3.DEC.2020 21:08:51

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



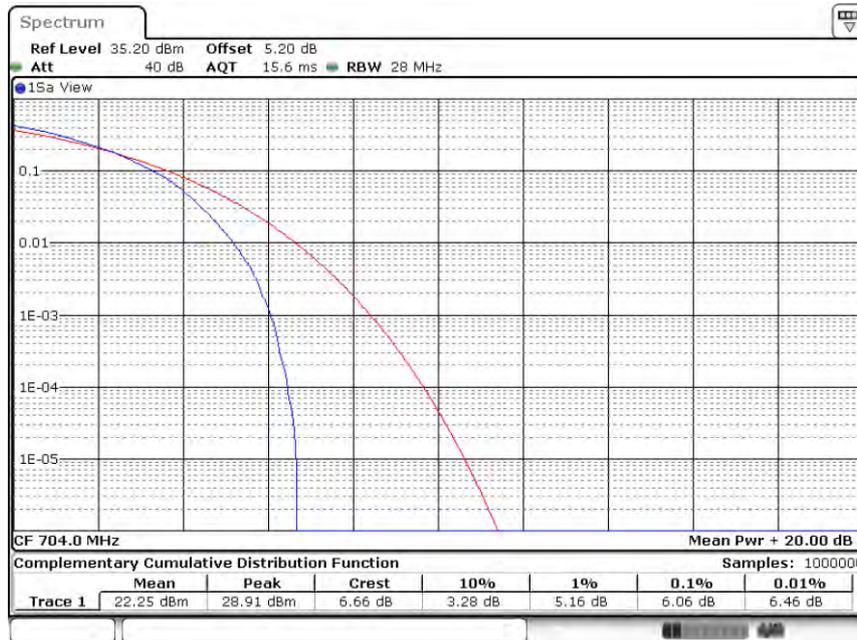
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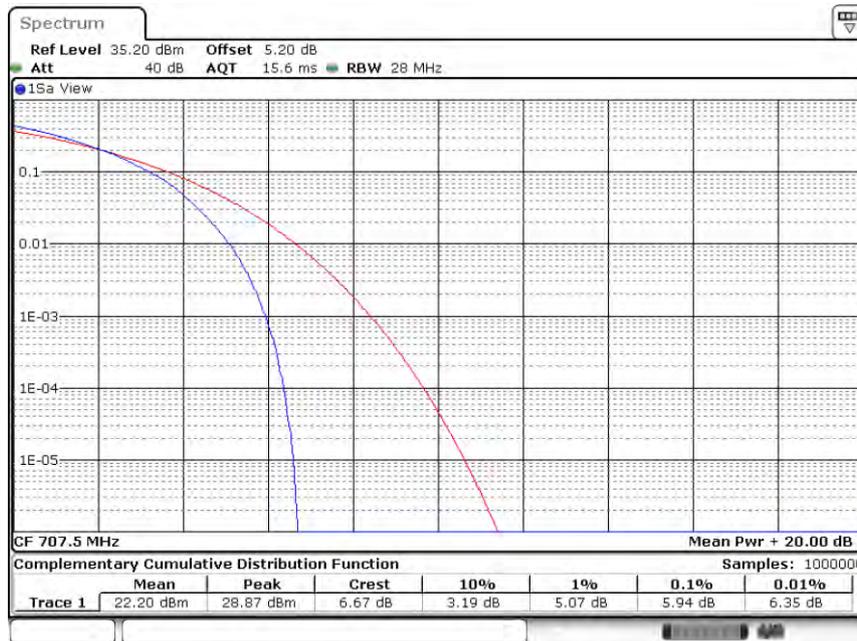
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Date: 4.DEC.2020 22:14:51

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

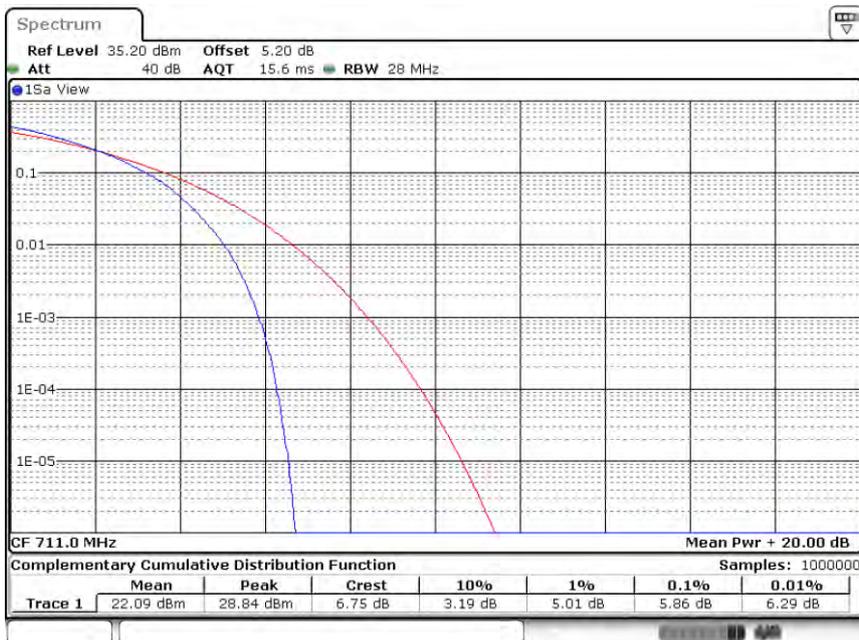


Date: 4.DEC.2020 22:15:02



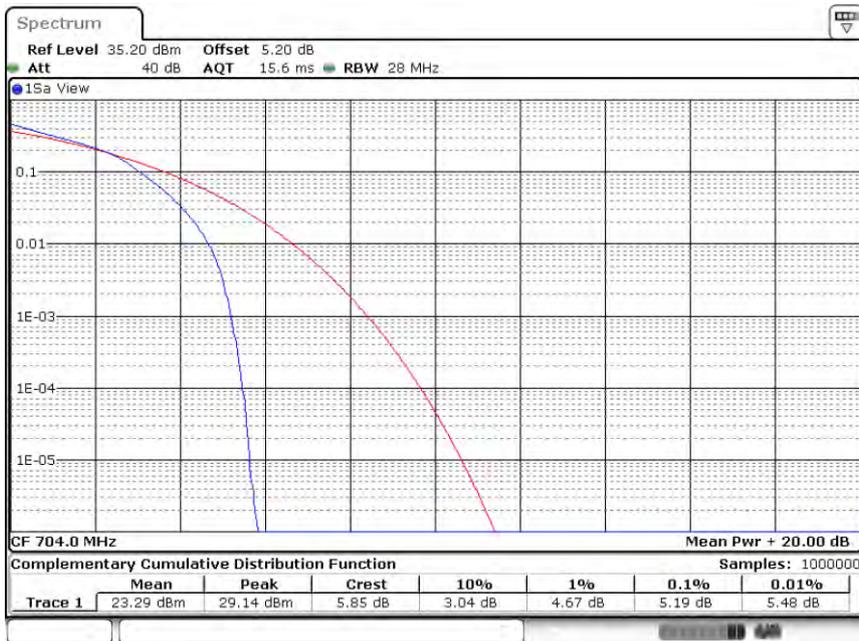
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**Band12-10MHz-64QAM-23130-50RB#0**



Date: 4.DEC.2020 22:15:13

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



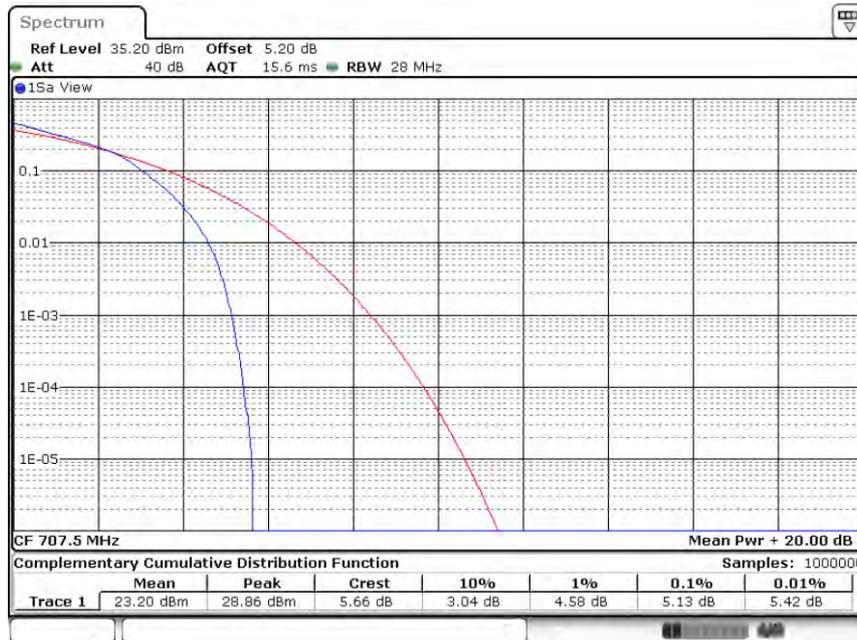
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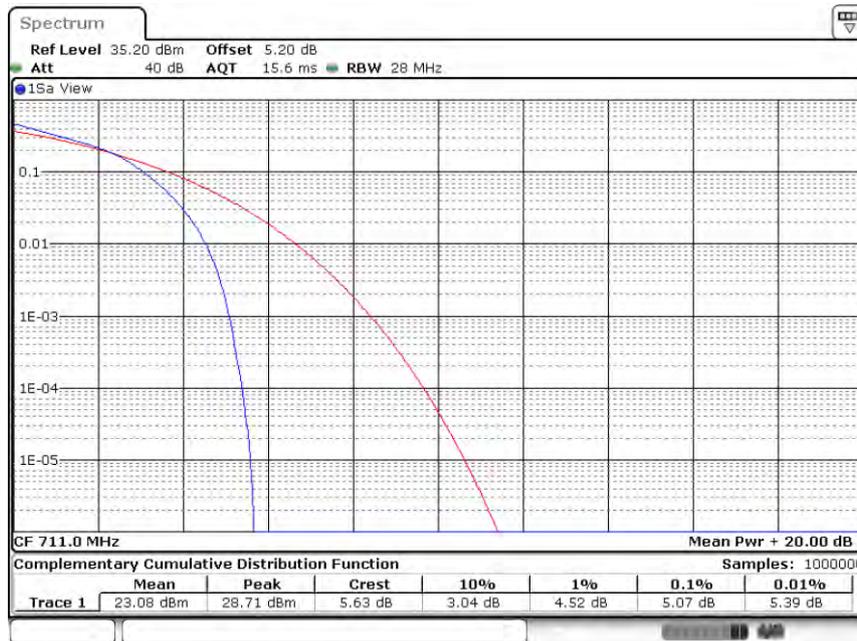
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**Band12-10MHz-16QAM-23130-50RB#0**



Date: 3.DEC.2020 21:09:24



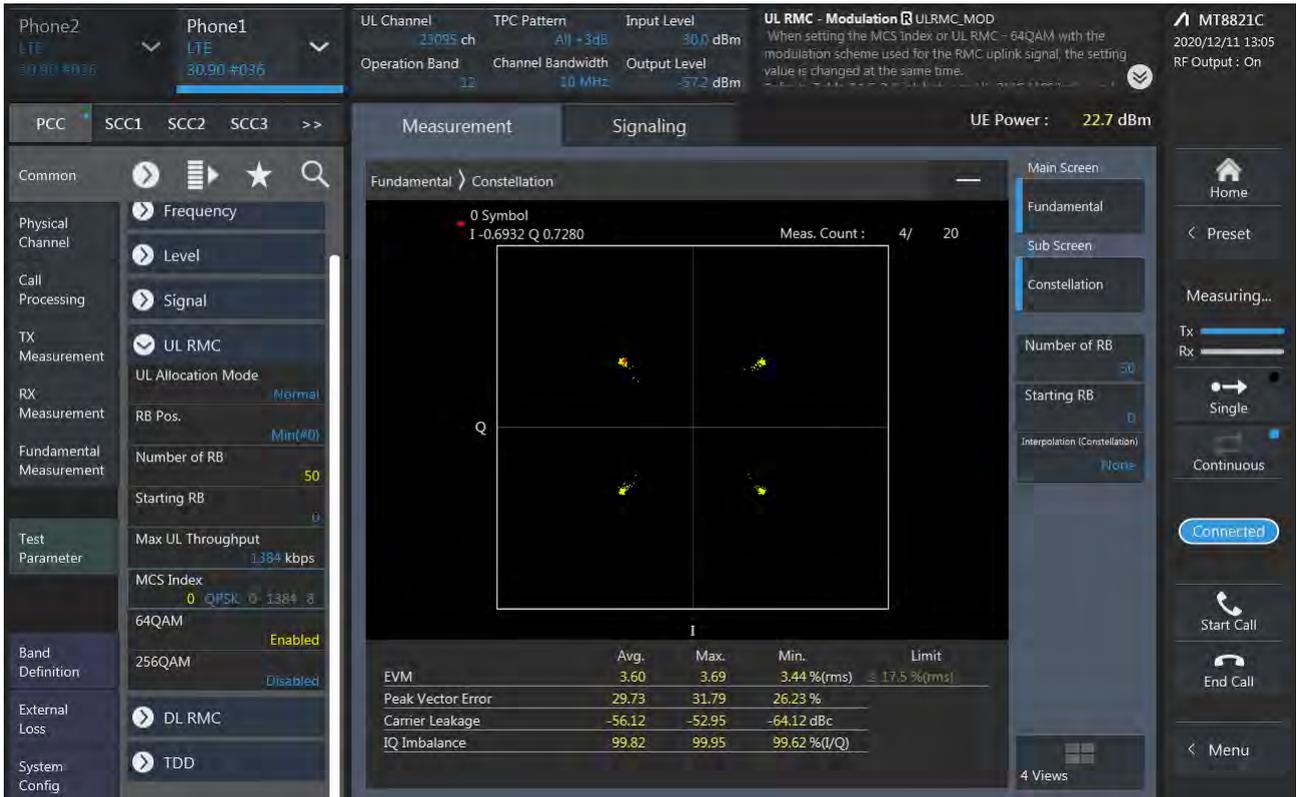
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### 3. Modulation Characteristics

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

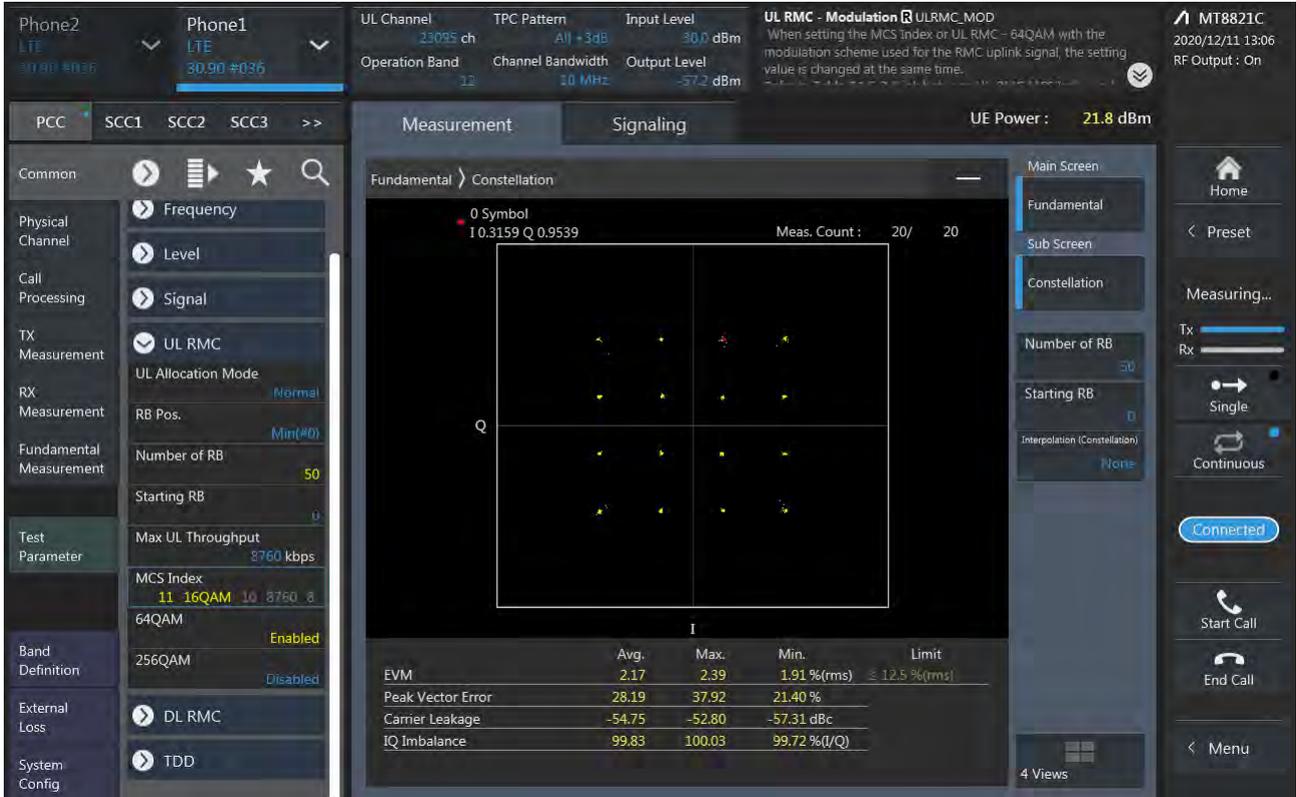
##### 3.1.1. Test Channel = MCH





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

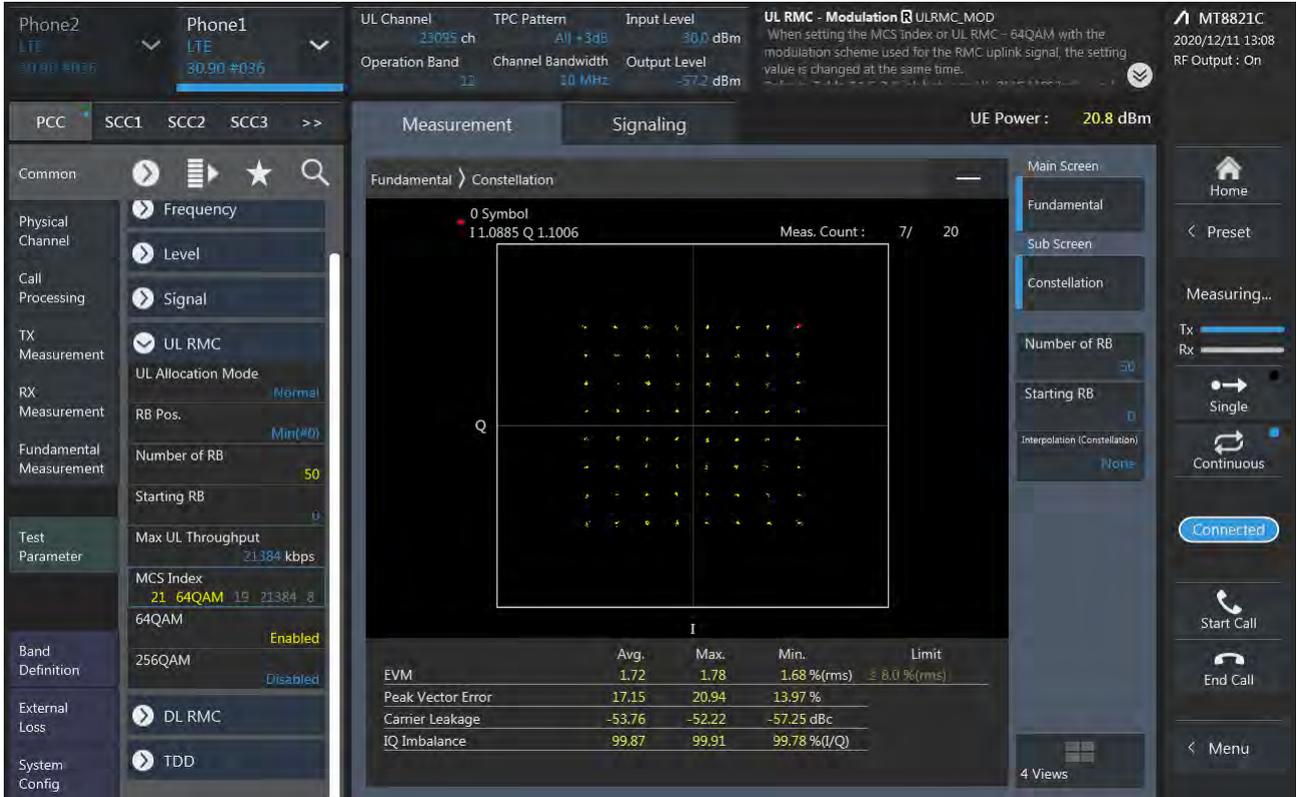
#### 3.2.1. Test Channel = MCH





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

#### 3.3.1. Test Channel = MCH





## 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            | 1.091                    | 1.248                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.088                    | 1.242                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.091                    | 1.275                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 6RB#0            | 1.094                    | 1.245                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 6RB#0            | 1.097                    | 1.233                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23173   | 6RB#0            | 1.094                    | 1.245                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.088                    | 1.239                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.085                    | 1.242                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.091                    | 1.239                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.697                    | 3.030                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.697                    | 3.018                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.703                    | 3.042                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23025   | 15RB#0           | 2.691                    | 3.000                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23095   | 15RB#0           | 2.691                    | 2.994                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23165   | 15RB#0           | 2.691                    | 2.994                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.685                    | 2.988                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.691                    | 2.988                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.691                    | 2.994                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.476                    | 4.900                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.476                    | 4.890                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.476                    | 4.900                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23035   | 25RB#0           | 4.486                    | 4.920                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23095   | 25RB#0           | 4.476                    | 4.900                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23155   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.486                    | 4.930                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.496                    | 4.940                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.496                    | 4.970                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.931                    | 9.700                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.911                    | 9.680                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.931                    | 9.700                | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 8.911                    | 9.660                | PASS    |



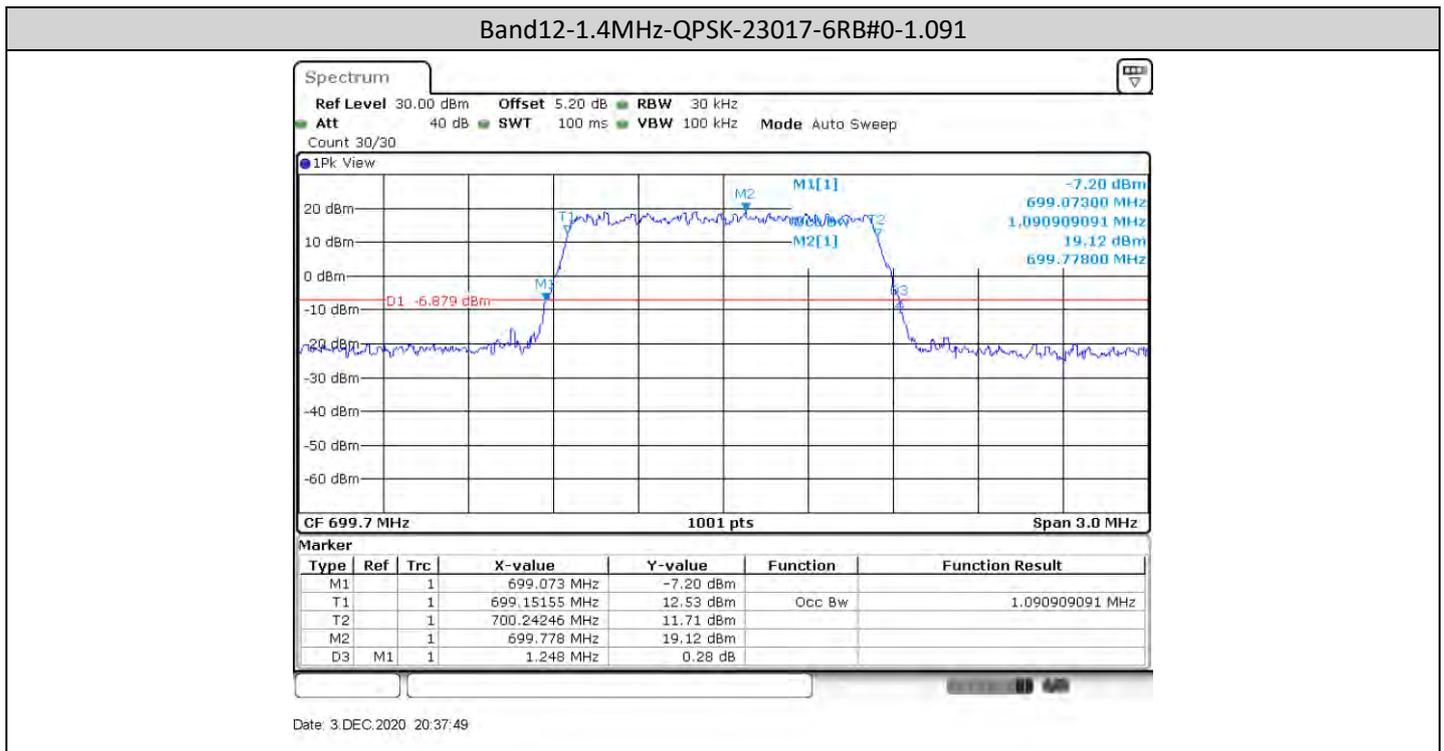
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|        |       |       |       |        |       |       |      |
|--------|-------|-------|-------|--------|-------|-------|------|
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | 8.911 | 9.640 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | 8.931 | 9.660 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 8.931 | 9.680 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 8.931 | 9.700 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 8.931 | 9.700 | PASS |

## 4.2. Test Plots



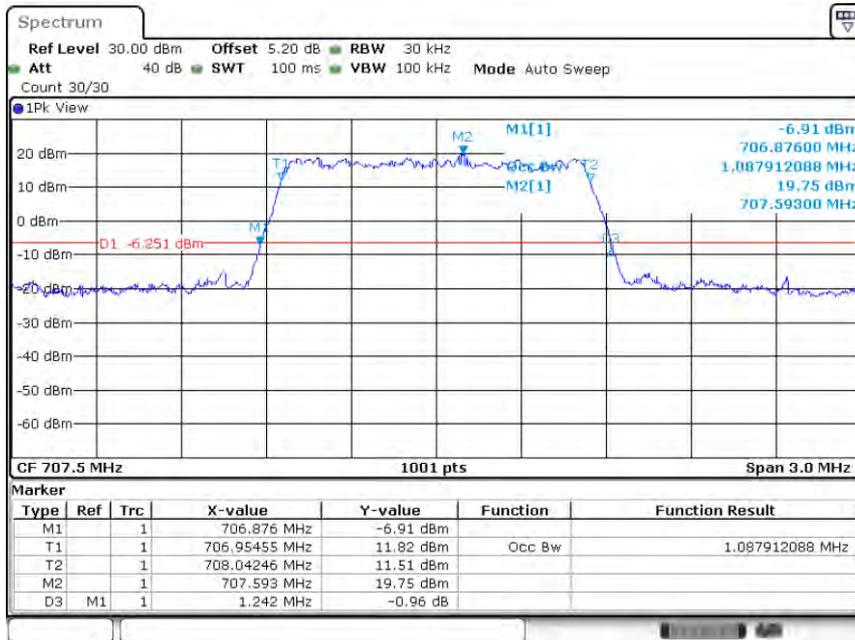
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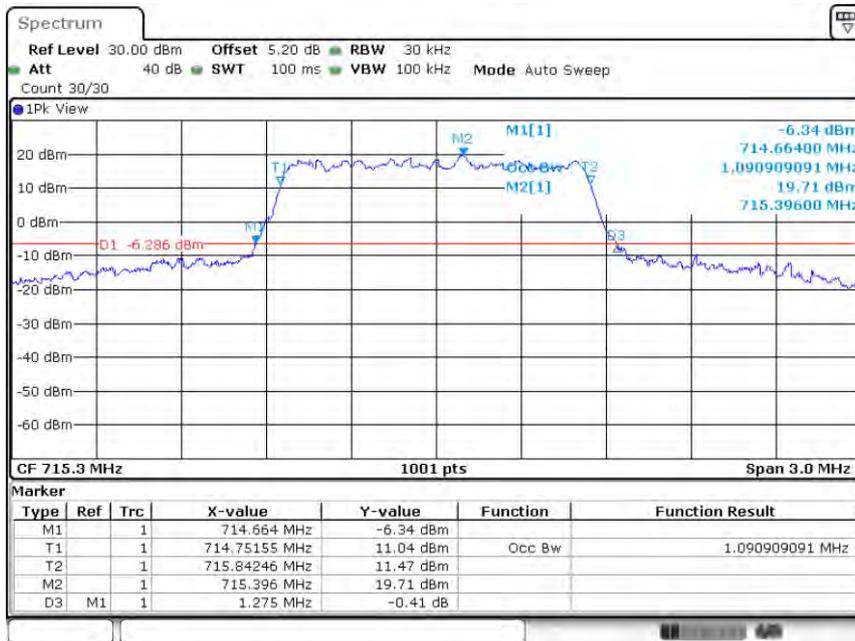


Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 3.DEC.2020 20:38:14

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

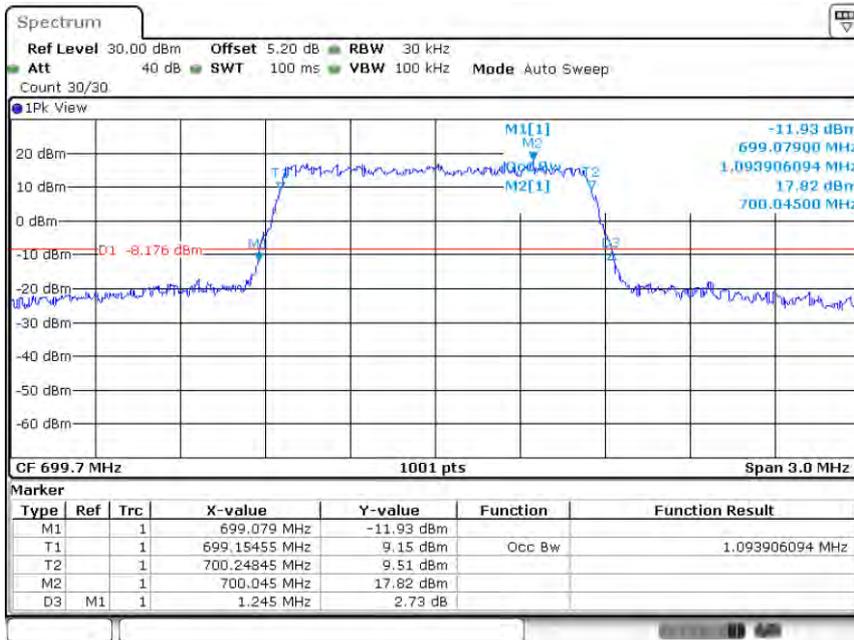


Date: 3.DEC.2020 20:38:40



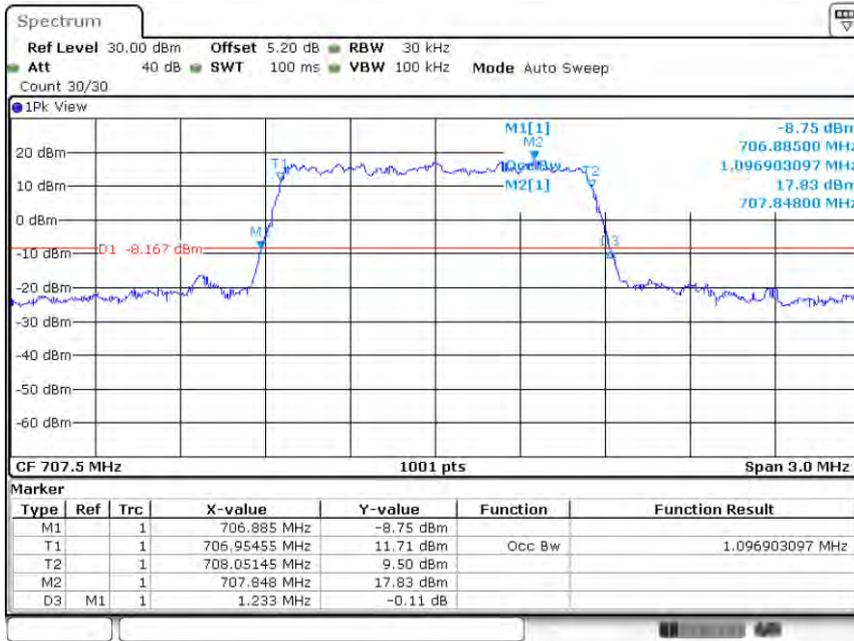
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**Band12-1.4MHz-64QAM-23017-6RB#0-1.094**



Date: 4.DEC.2020 22:01:02

**Band12-1.4MHz-64QAM-23095-6RB#0-1.097**

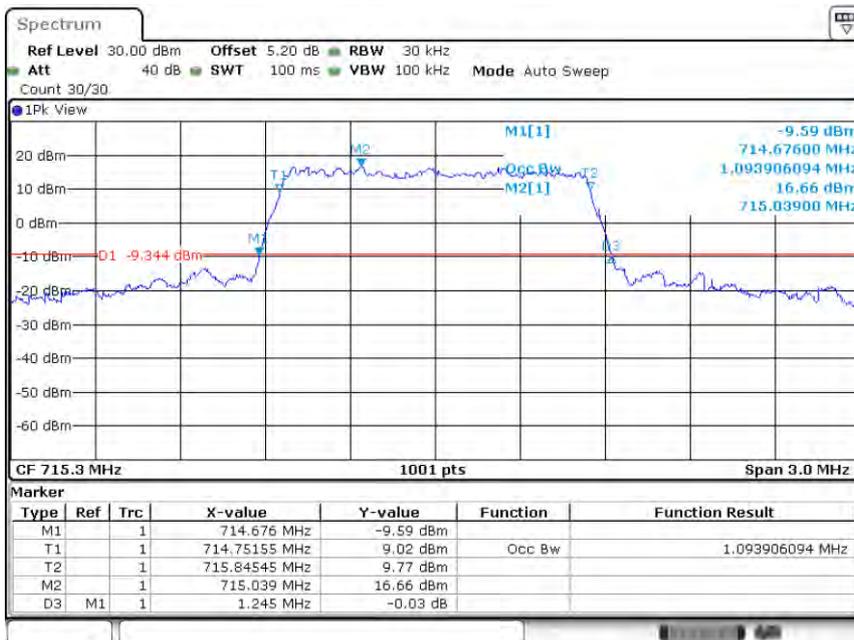


Date: 4.DEC.2020 22:01:15



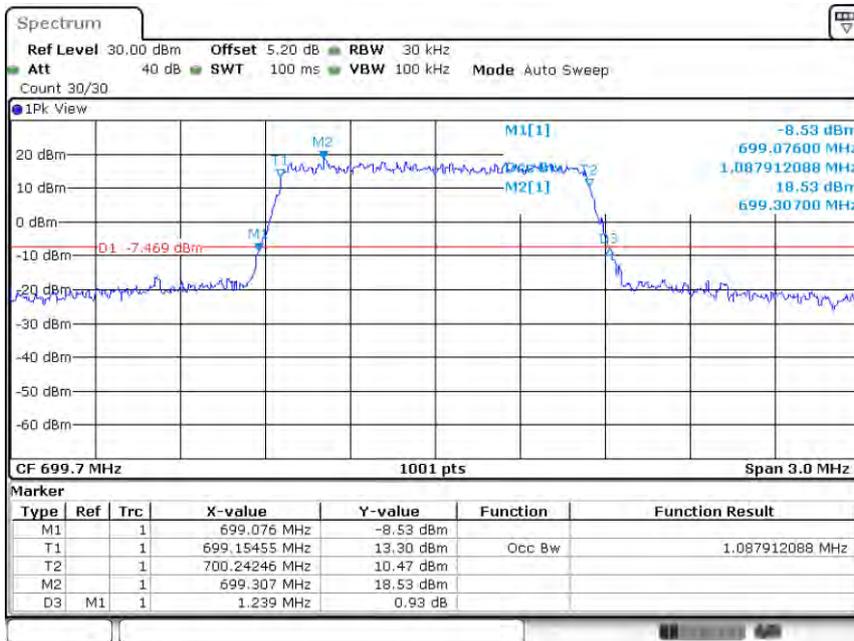
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**Band12-1.4MHz-64QAM-23173-6RB#0-1.094**



Date: 4.DEC.2020 22:01:28

**Band12-1.4MHz-16QAM-23017-6RB#0-1.088**



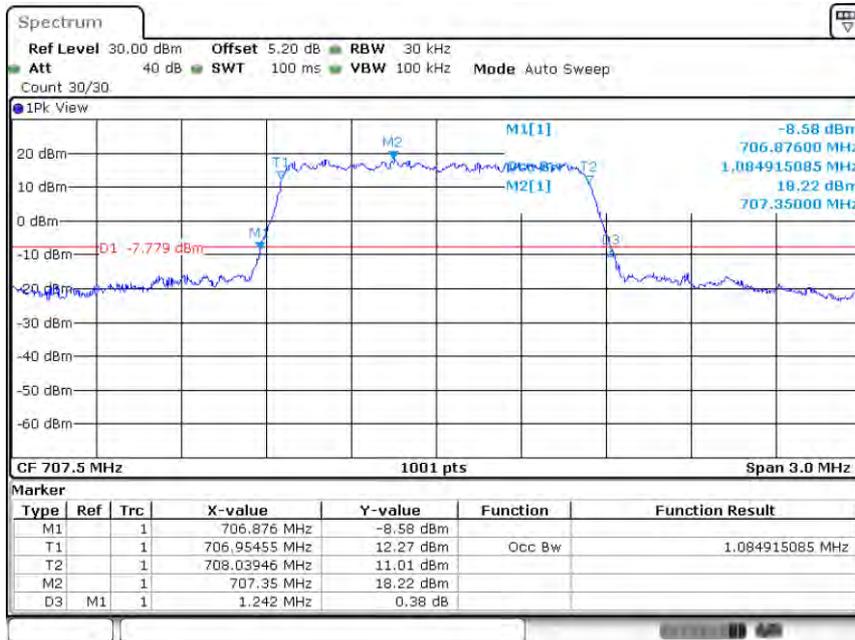
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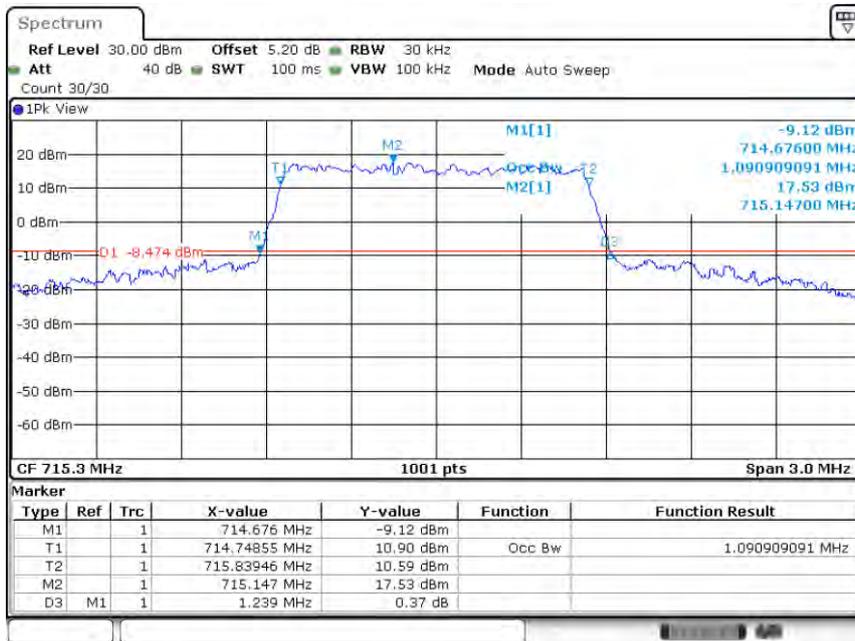


**Band12-1.4MHz-16QAM-23095-6RB#0-1.085**



Date: 3.DEC.2020 20:38:27

**Band12-1.4MHz-16QAM-23173-6RB#0-1.091**



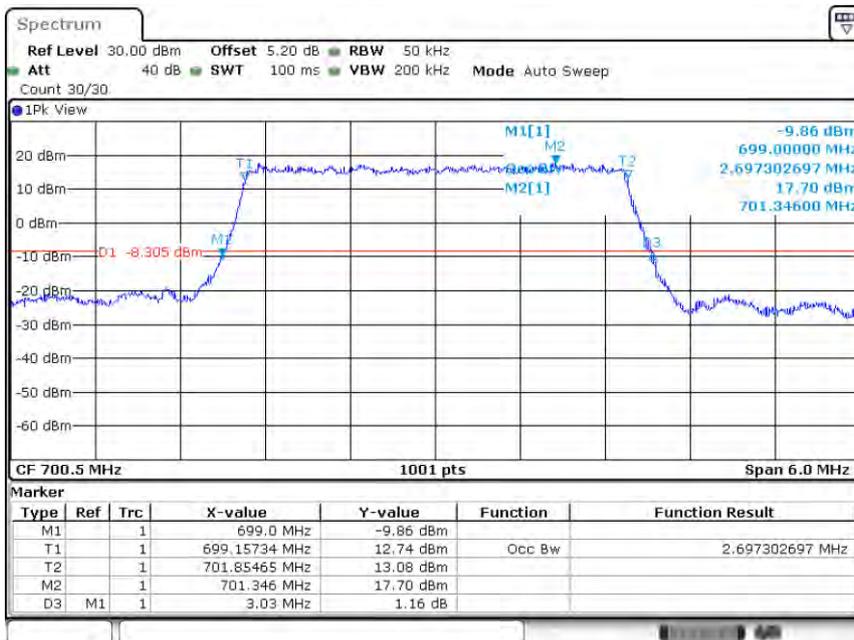
Date: 3.DEC.2020 20:38:53



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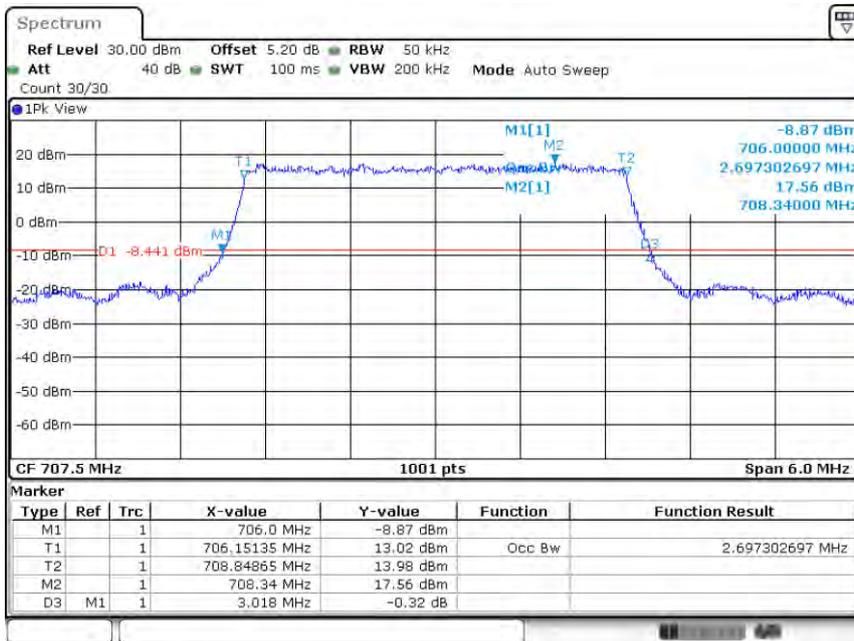


Band12-3MHz-QPSK-23025-15RB#0-2.697



Date: 3.DEC.2020 20:39:10

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

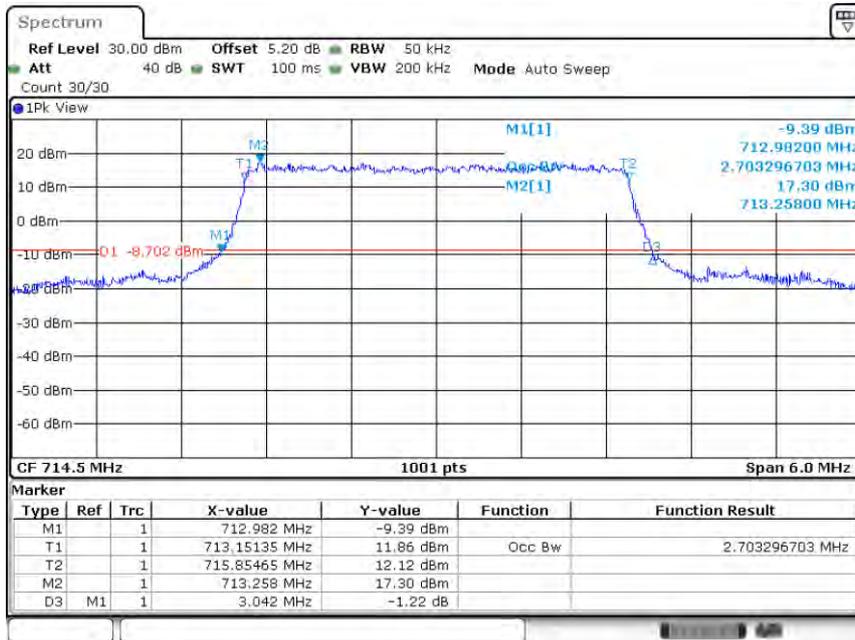


Date: 3.DEC.2020 20:39:36



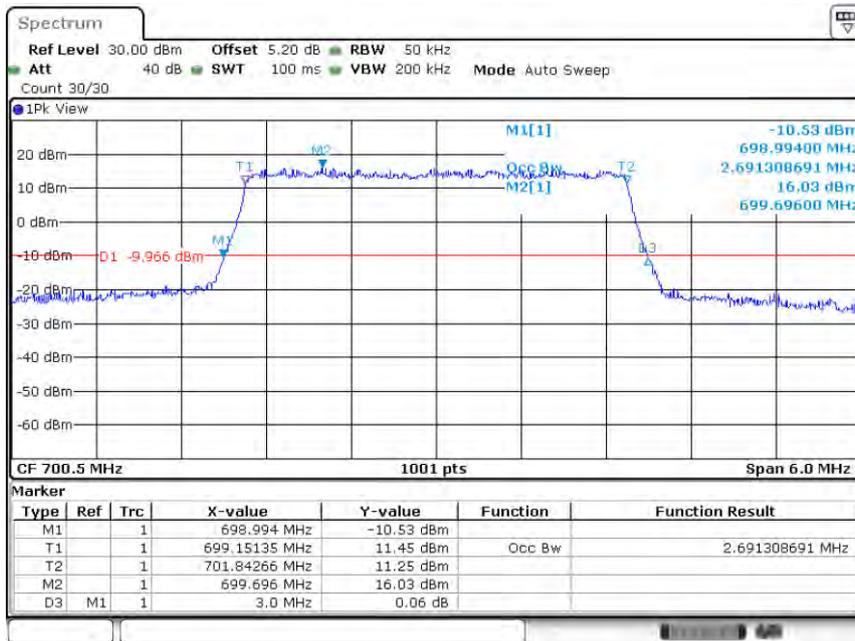
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**Band12-3MHz-QPSK-23165-15RB#0-2.703**



Date: 3.DEC.2020 20:40:02

**Band12-3MHz-64QAM-23025-15RB#0-2.691**

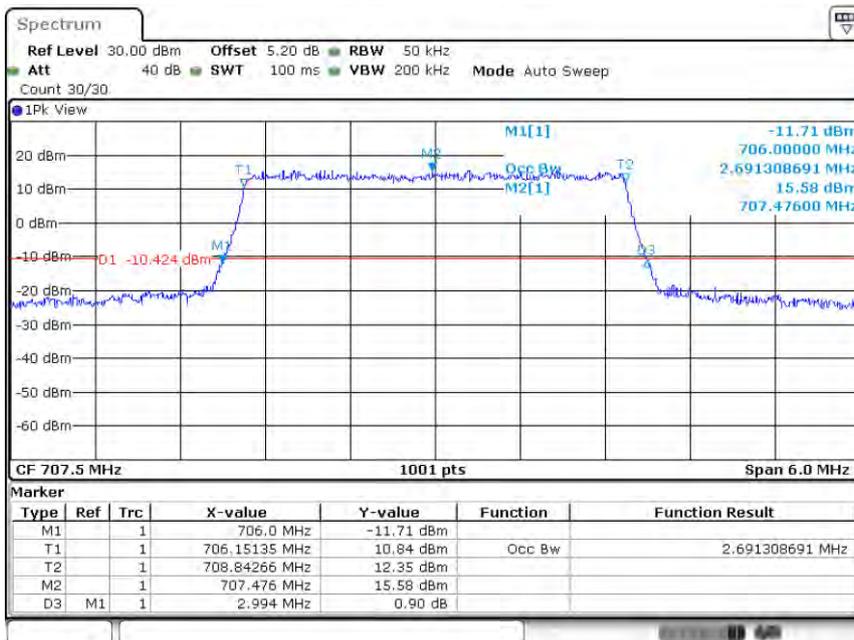


Date: 4.DEC.2020 22:01:46



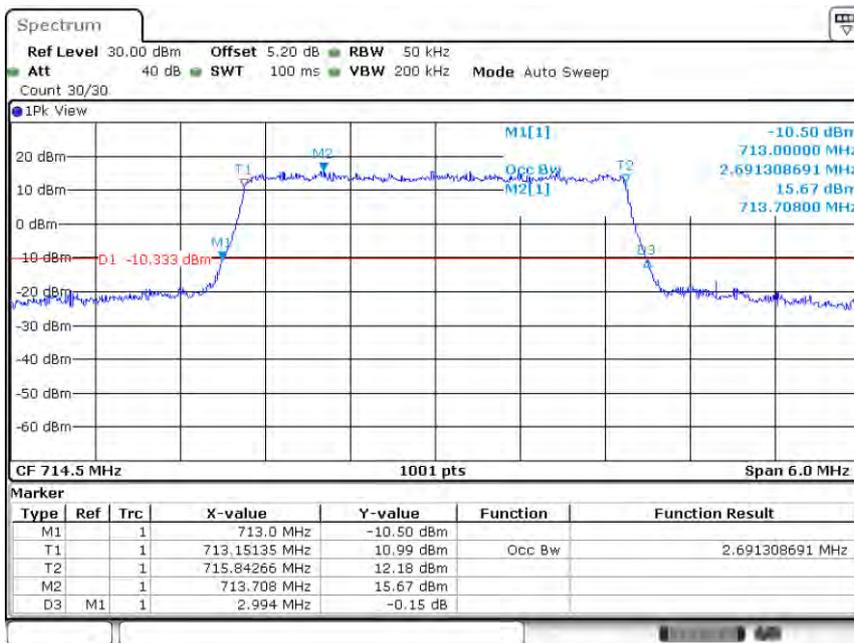
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**Band12-3MHz-64QAM-23095-15RB#0-2.691**



Date: 4.DEC.2020 22:01:59

**Band12-3MHz-64QAM-23165-15RB#0-2.691**



Date: 4.DEC.2020 22:02:12

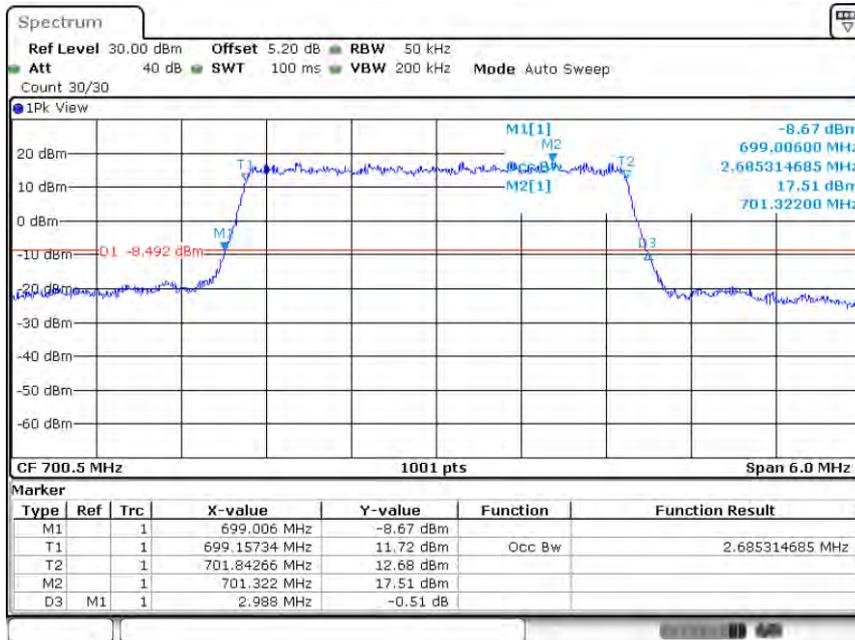


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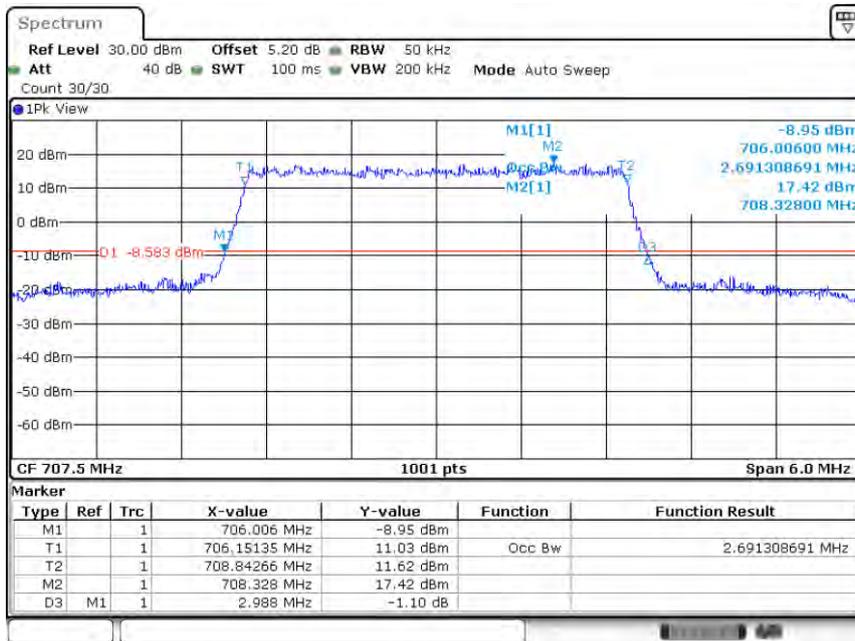
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**Band12-3MHz-16QAM-23025-15RB#0-2.685**



Date: 3.DEC.2020 20:39:23

**Band12-3MHz-16QAM-23095-15RB#0-2.691**



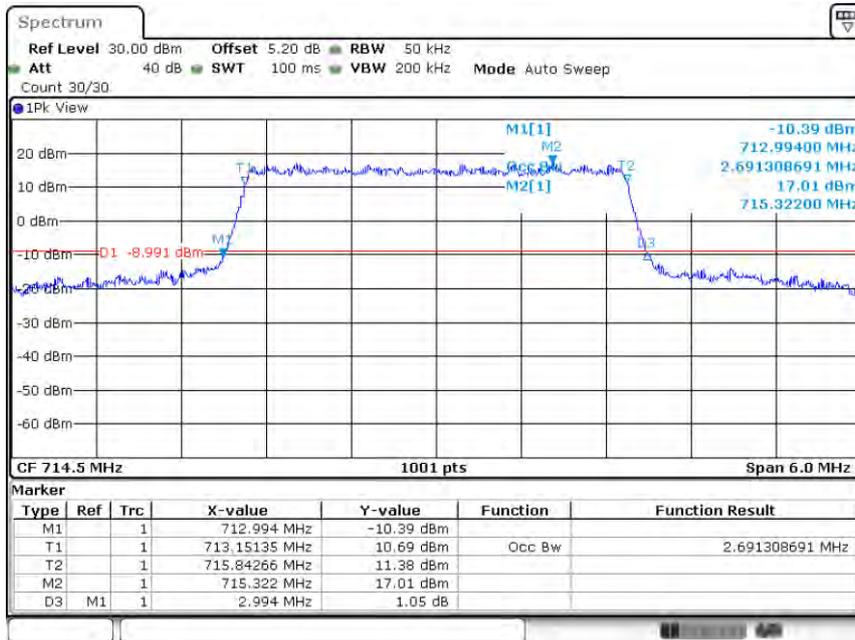
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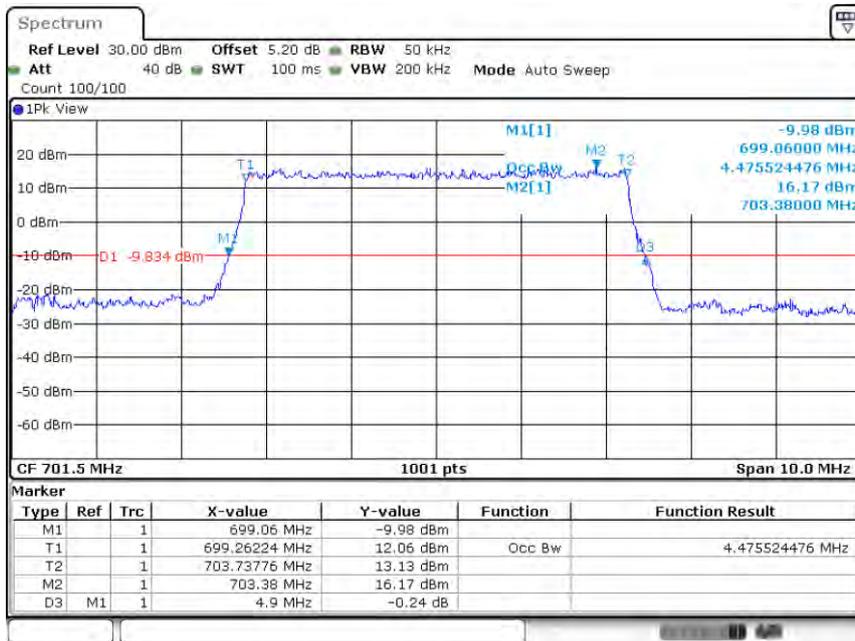


Band12-3MHz-16QAM-23165-15RB#0-2.691



Date: 3.DEC.2020 20:40:14

Band12-5MHz-QPSK-23035-25RB#0-4.476



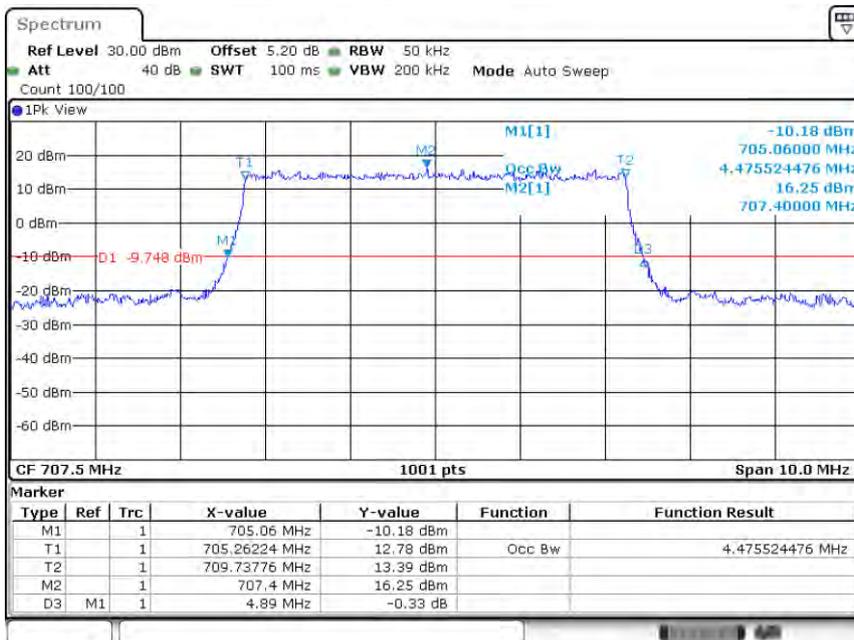
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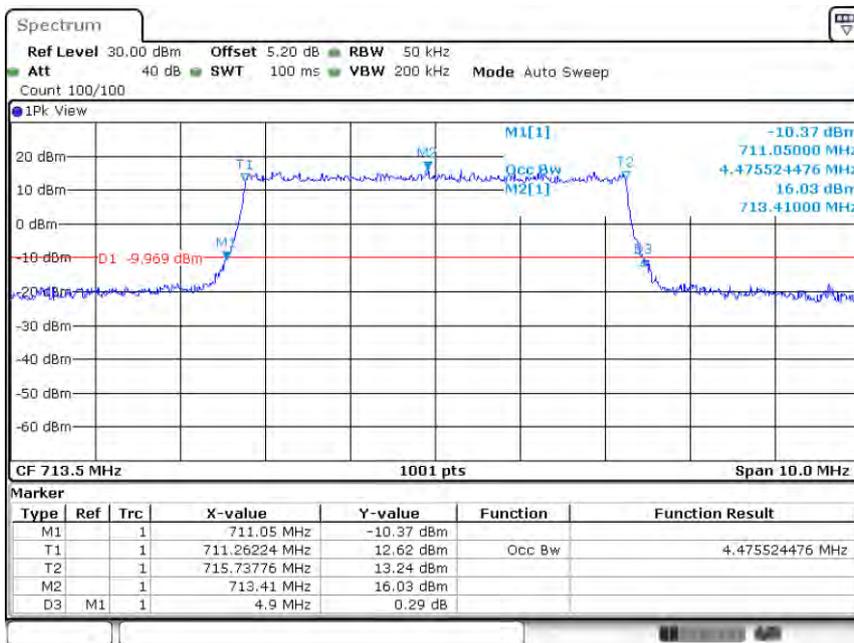


Band12-5MHz-QPSK-23095-25RB#0-4.476



Date: 3.DEC.2020 20:41:18

Band12-5MHz-QPSK-23155-25RB#0-4.476

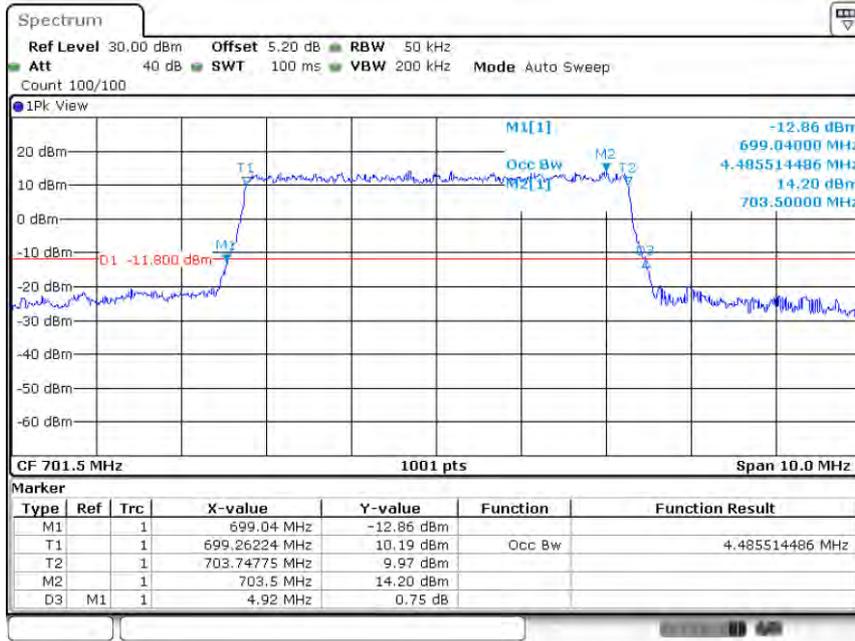


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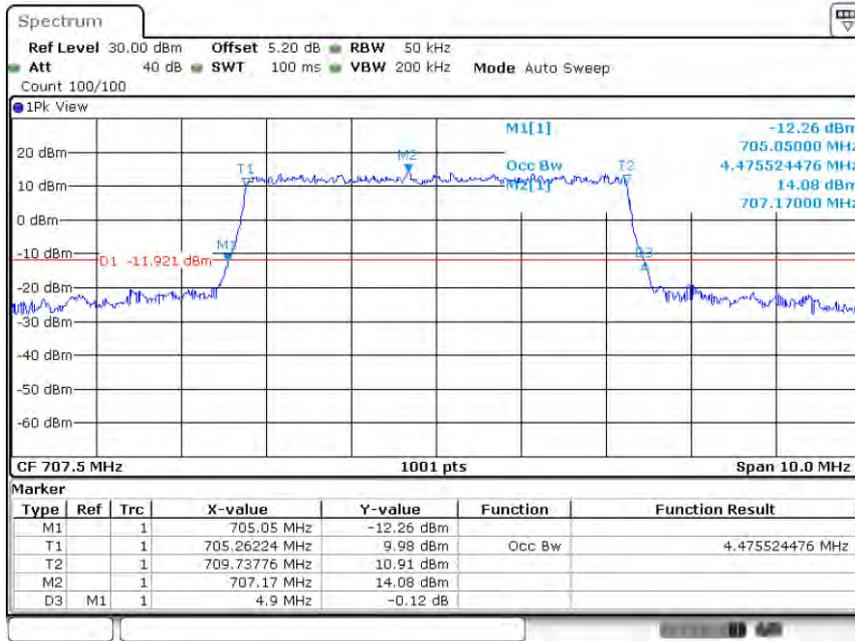
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**Band12-5MHz-64QAM-23035-25RB#0-4.486**



Date: 4.DEC.2020 22:02:37

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



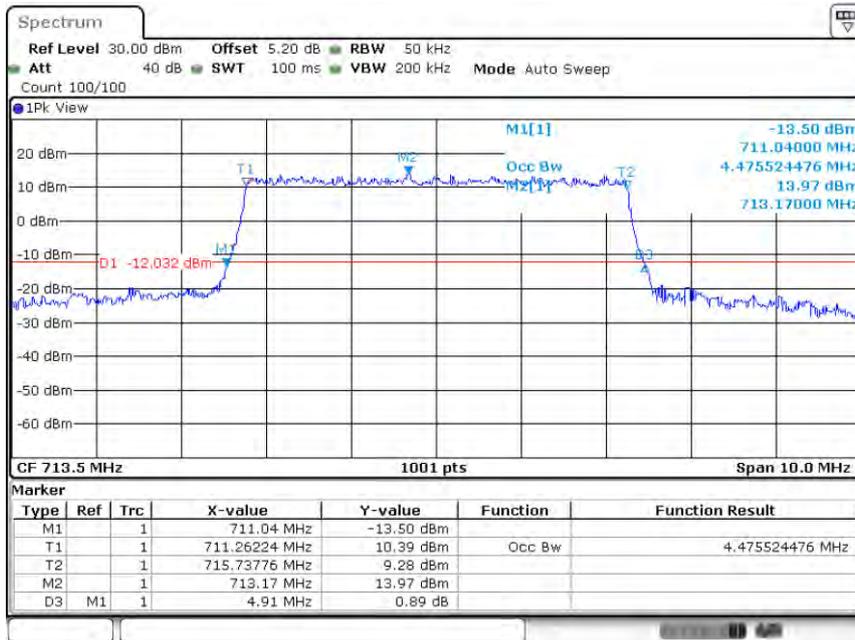
Date: 4.DEC.2020 22:02:56



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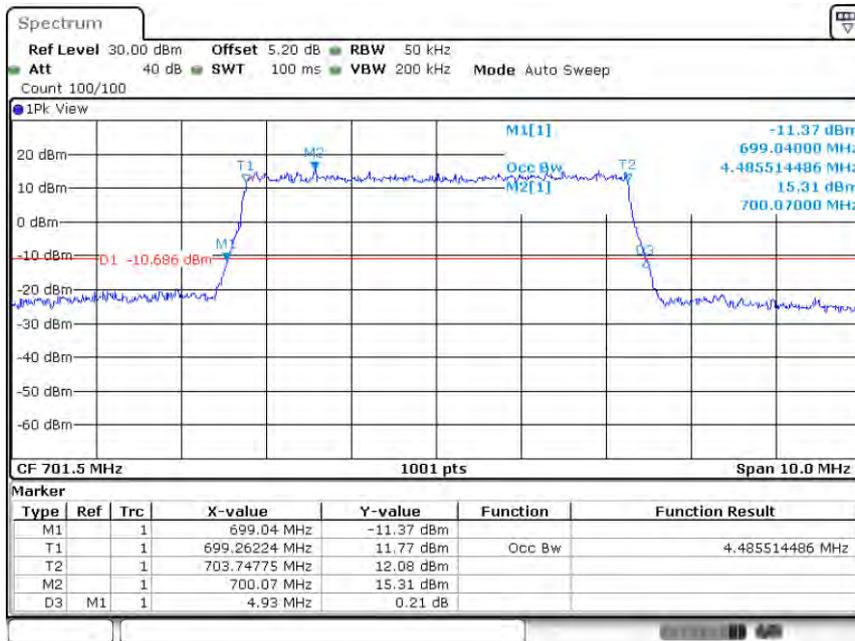


Band12-5MHz-64QAM-23155-25RB#0-4.476



Date: 4.DEC.2020 22:03:16

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



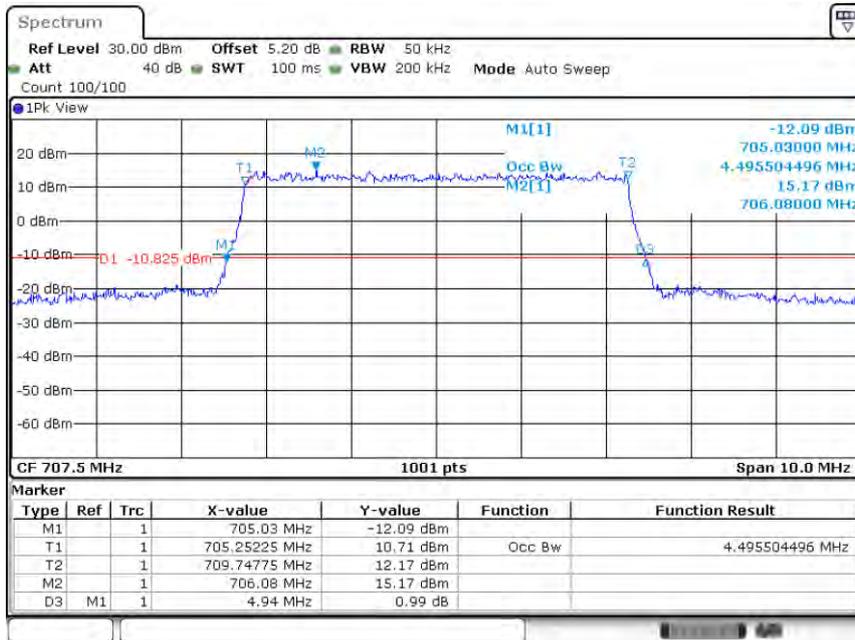
Date: 3.DEC.2020 20:40:58



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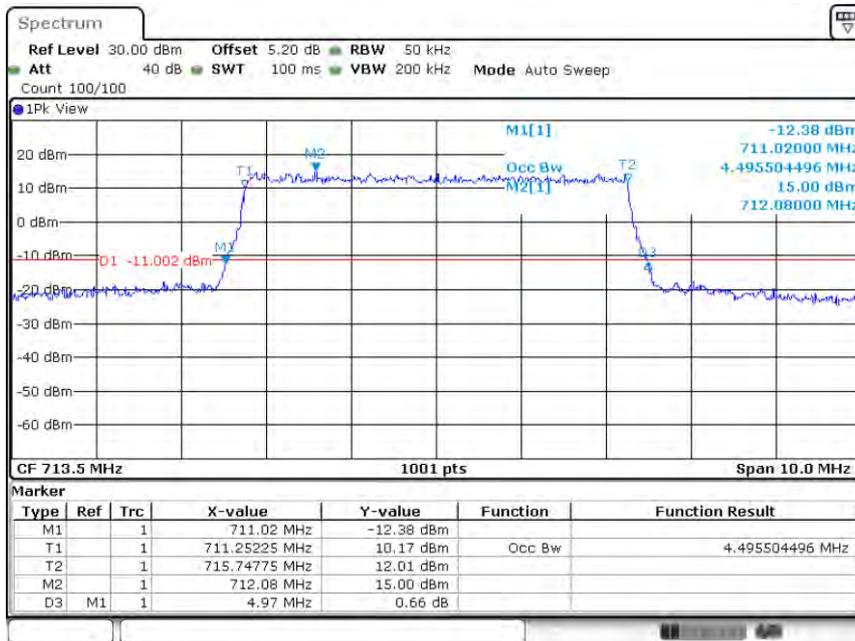


Band12-5MHz-16QAM-23095-25RB#0-4.496



Date: 3.DEC.2020 20:41:38

Band12-5MHz-16QAM-23155-25RB#0-4.496

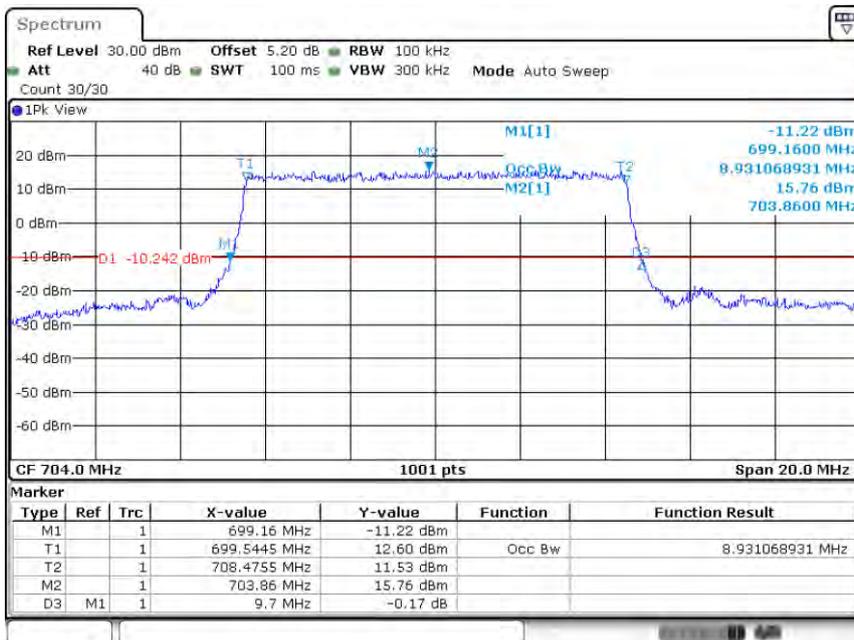


Date: 3.DEC.2020 20:42:17



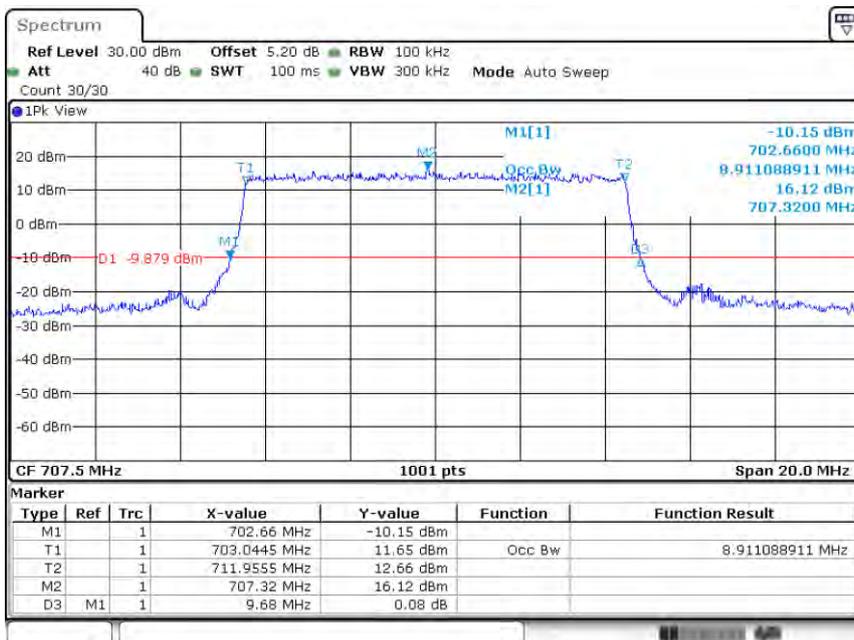
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**Band12-10MHz-QPSK-23060-50RB#0-8.931**



Date: 3.DEC.2020 20:42:35

**Band12-10MHz-QPSK-23095-50RB#0-8.911**



Date: 3.DEC.2020 20:43:01

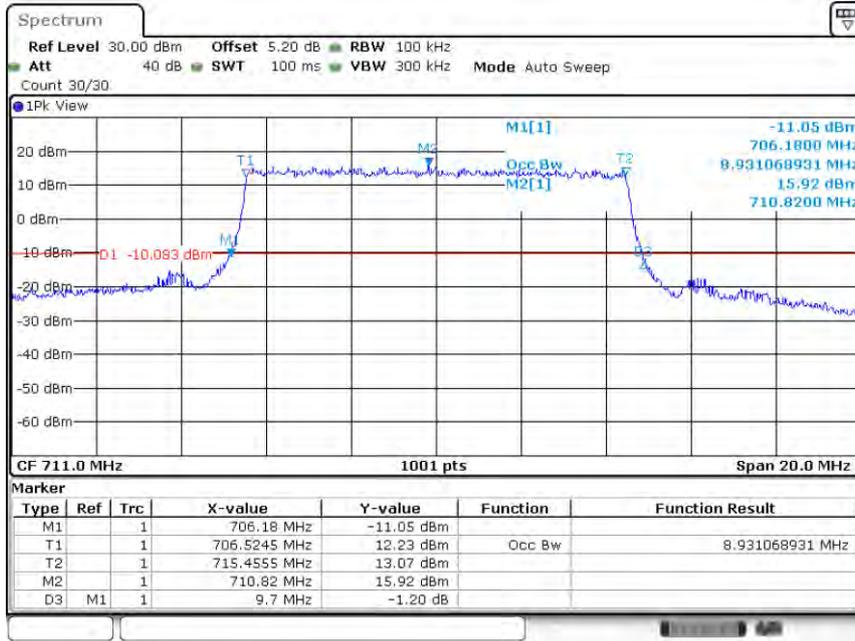


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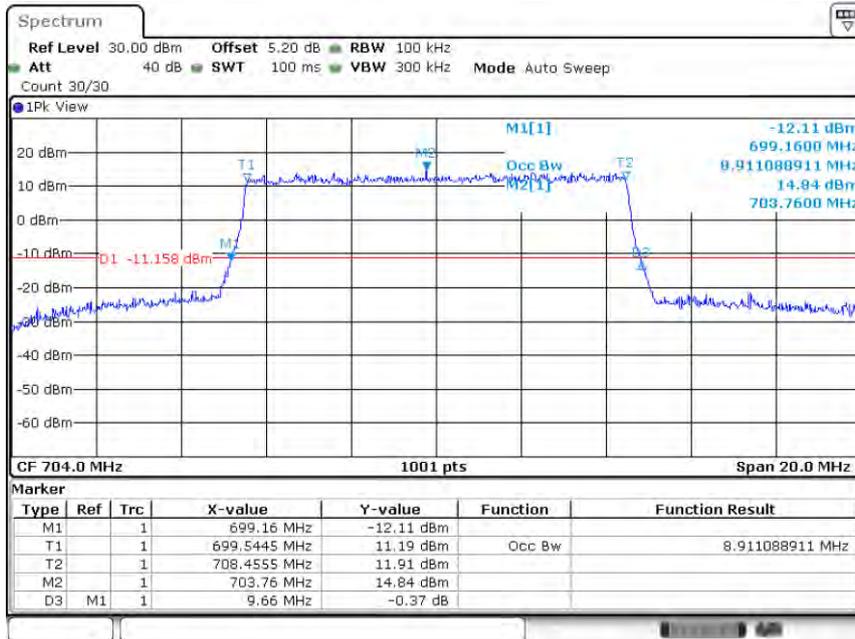
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**Band12-10MHz-QPSK-23130-50RB#0-8.931**



Date: 3.DEC.2020 20:43:26

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



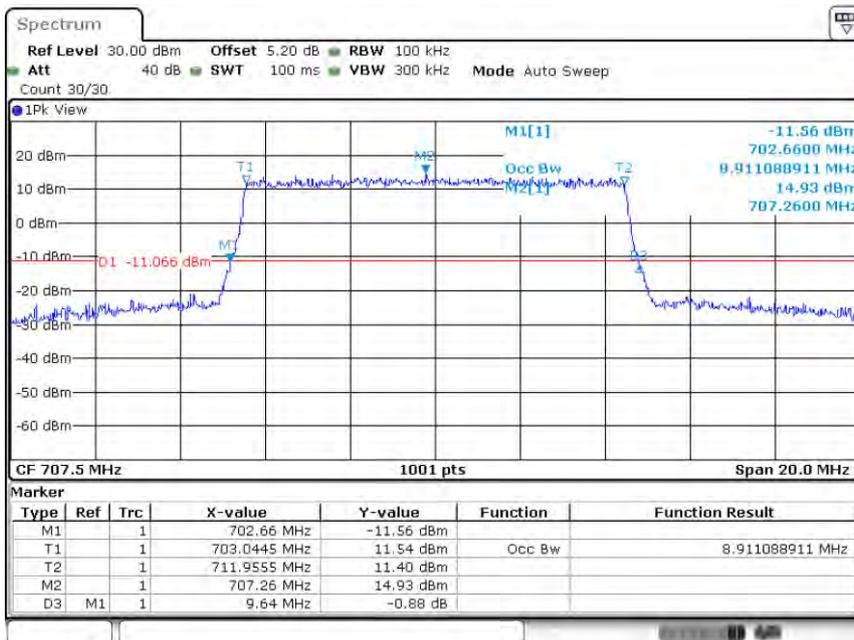
Date: 4.DEC.2020 22:03:34



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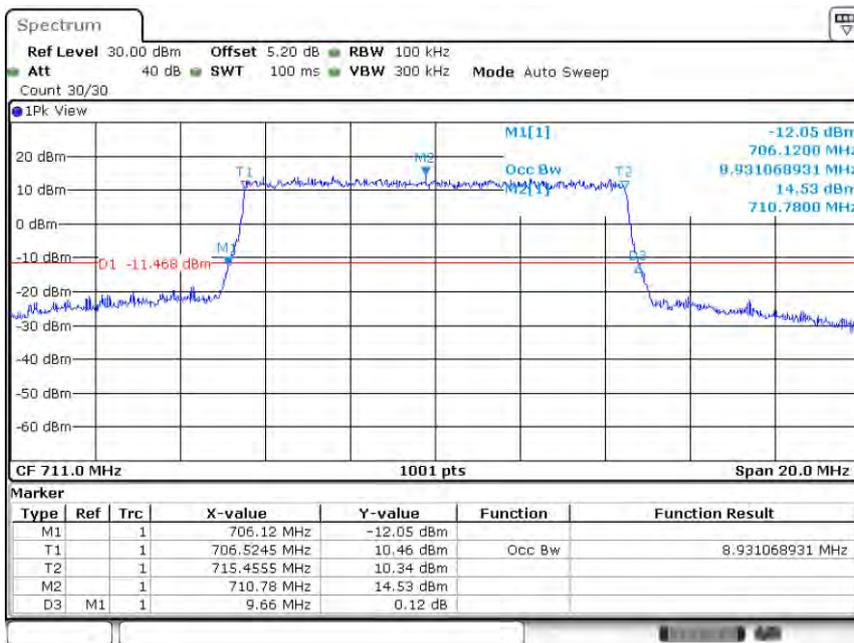


Band12-10MHz-64QAM-23095-50RB#0-8.911



Date: 4.DEC.2020 22:03:47

Band12-10MHz-64QAM-23130-50RB#0-8.931

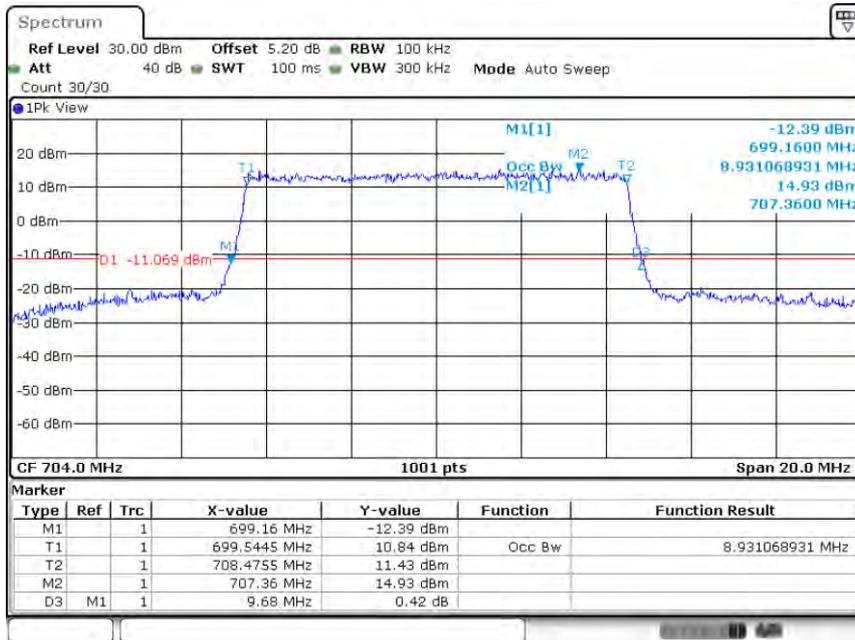


Date: 4.DEC.2020 22:04:00



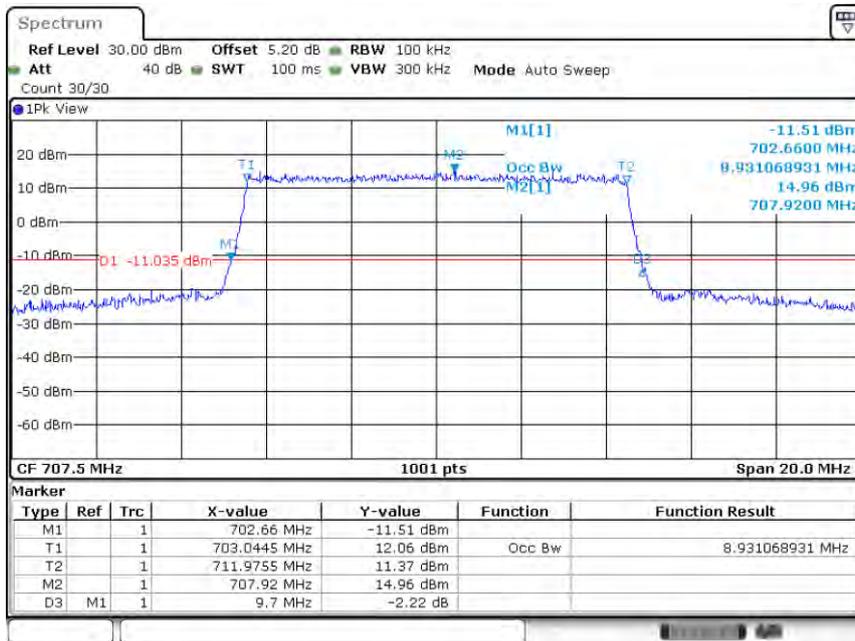
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**Band12-10MHz-16QAM-23060-50RB#0-8.931**



Date: 3.DEC.2020 20:42:48

**Band12-10MHz-16QAM-23095-50RB#0-8.931**

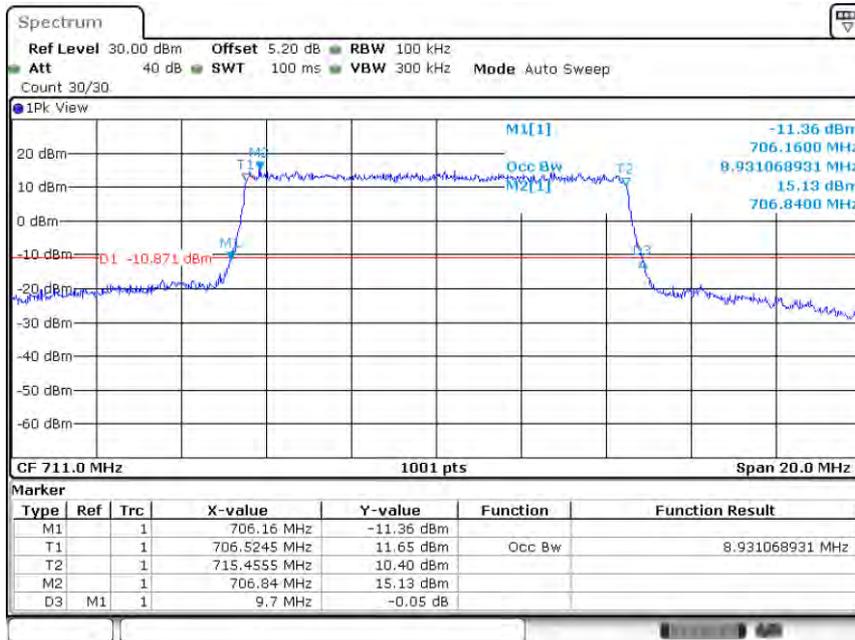


Date: 3.DEC.2020 20:43:13



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**Band12-10MHz-16QAM-23130-50RB#0-8.931**



Date: 3.DEC.2020 20:43:39

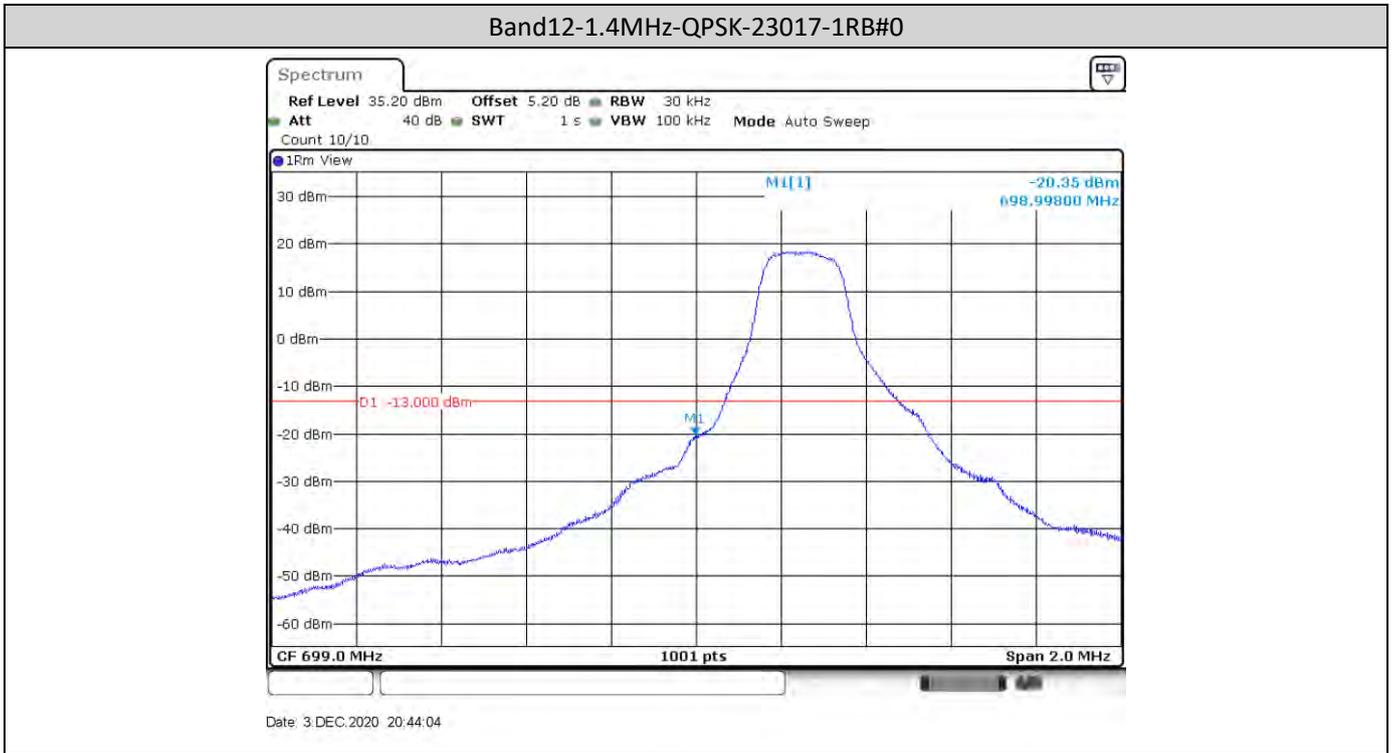


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## 5. Band Edge Compliance

### 5.1. Test Plots



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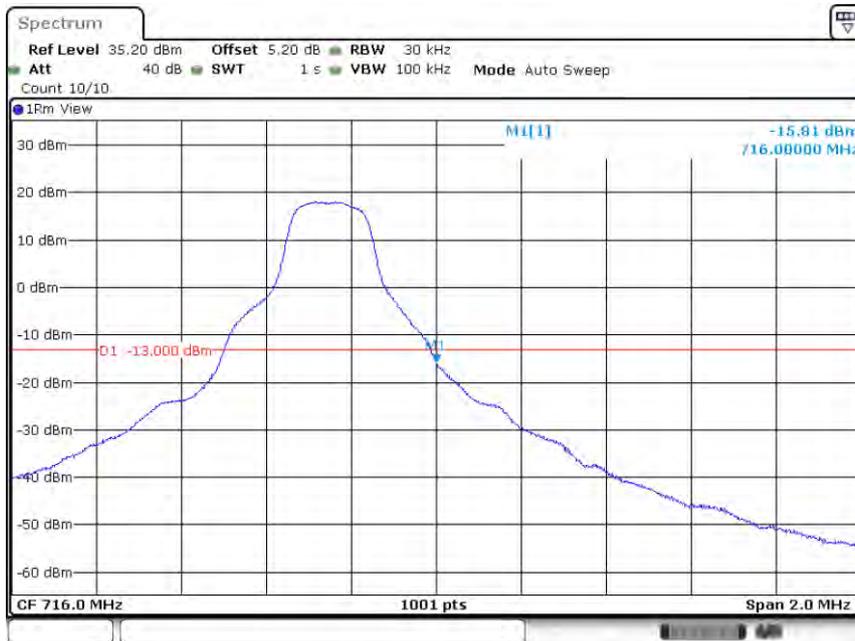
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**Band12-1.4MHz-QPSK-23017-6RB#0**



Date: 3.DEC.2020 20:44:45

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

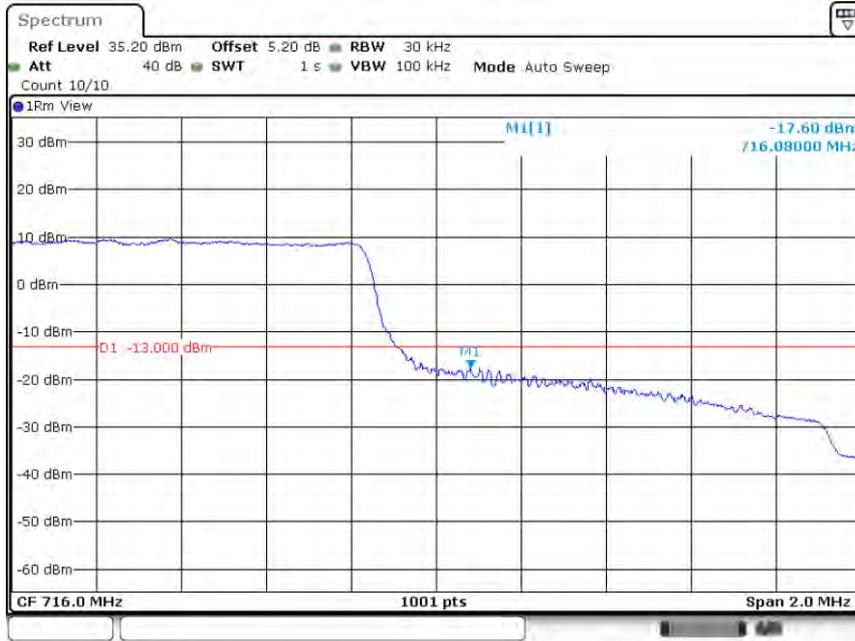


Date: 3.DEC.2020 20:45:30



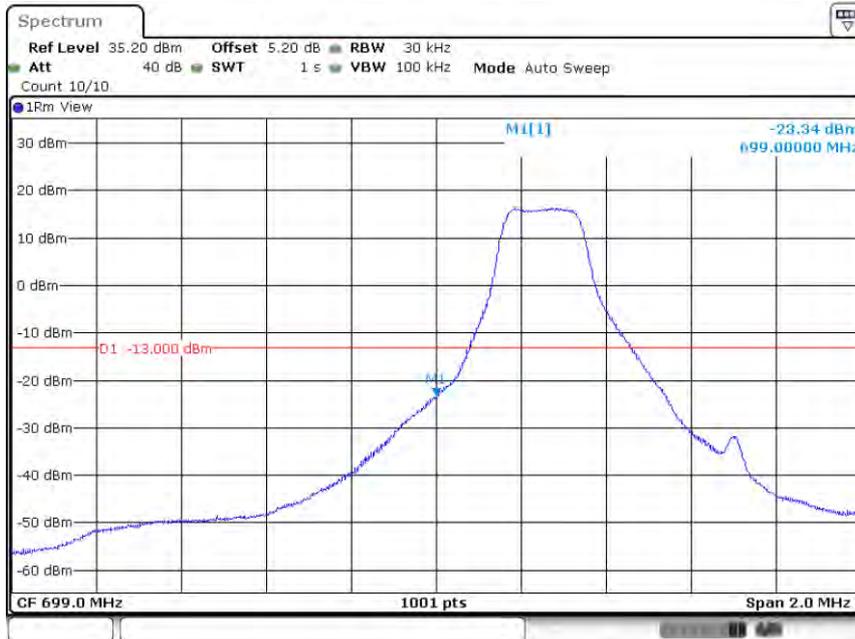
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**Band12-1.4MHz-QPSK-23173-6RB#0**



Date: 3.DEC.2020 20:46:11

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



Date: 4.DEC.2020 22:04:26



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



Date: 4.DEC.2020 22:04:46

**Band12-1.4MHz-64QAM-23173-1RB#5**



Date: 4.DEC.2020 22:05:11



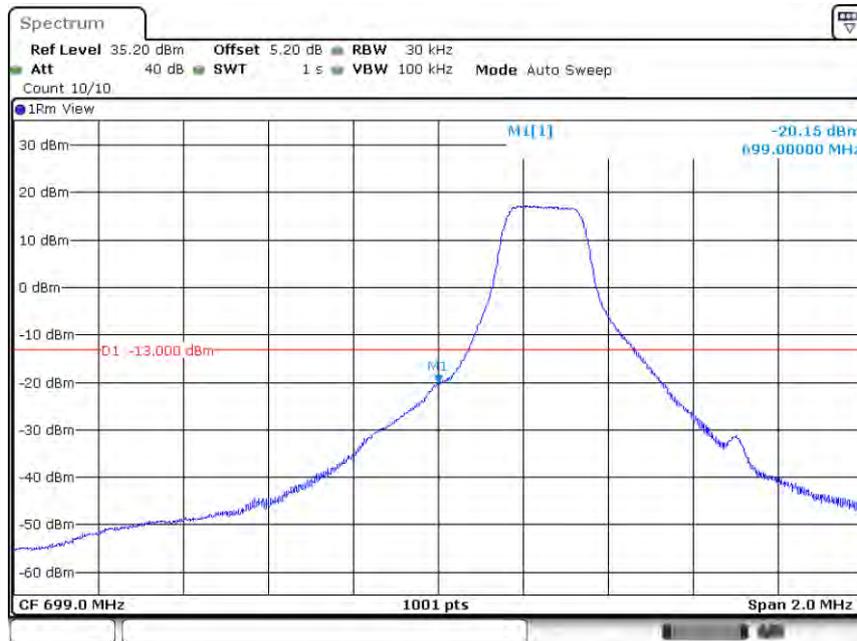
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**Band12-1.4MHz-64QAM-23173-6RB#0**



Date: 4.DEC.2020 22:05:32

**Band12-1.4MHz-16QAM-23017-1RB#0**



Date: 3.DEC.2020 20:44:25



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**Band12-1.4MHz-16QAM-23017-6RB#0**



Date: 3.DEC.2020 20:45:06

**Band12-1.4MHz-16QAM-23173-1RB#5**



Date: 3.DEC.2020 20:45:51



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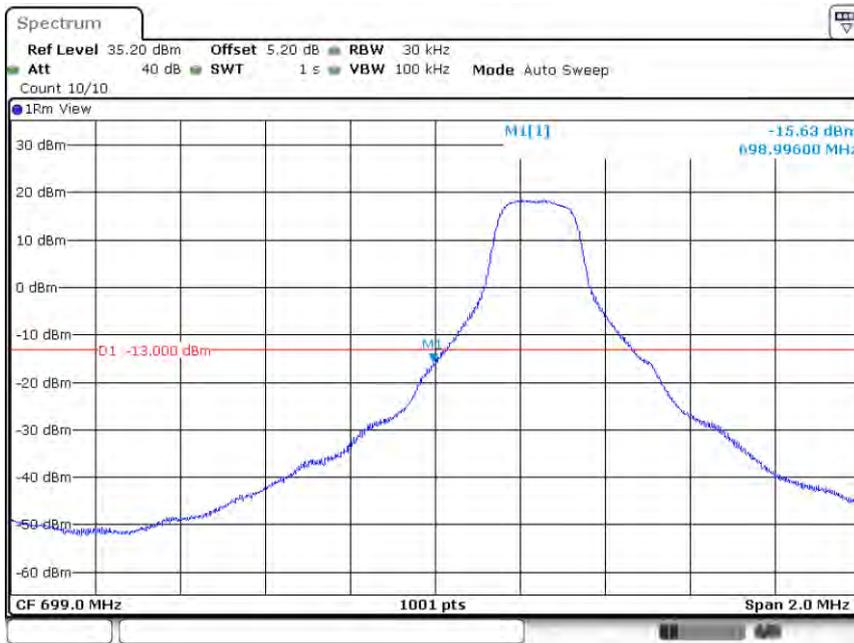


**Band12-1.4MHz-16QAM-23173-6RB#0**



Date: 3.DEC.2020 20:46:32

**Band12-3MHz-QPSK-23025-1RB#0**



Date: 3.DEC.2020 20:50:43



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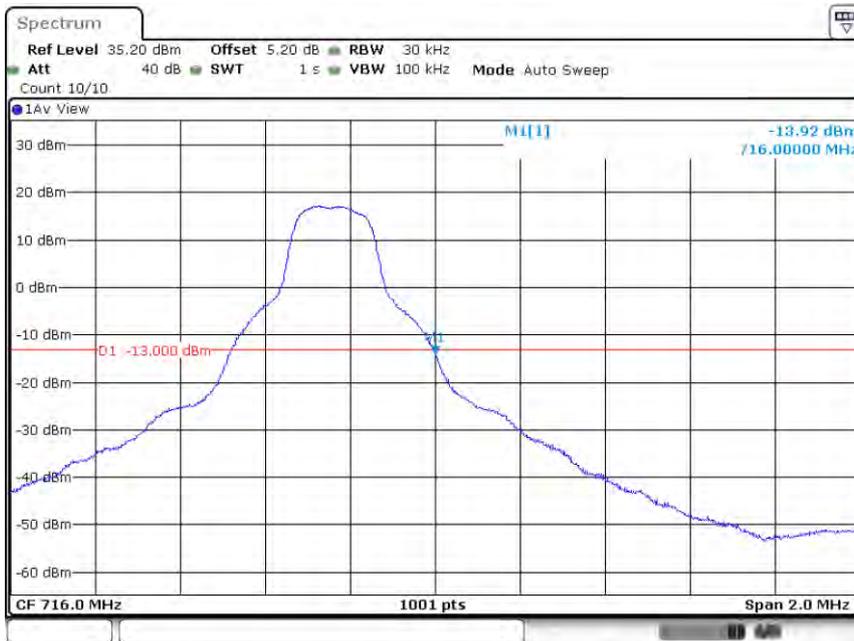


**Band12-3MHz-QPSK-23025-15RB#0**



Date: 3.DEC.2020 20:51:24

**Band12-3MHz-QPSK-23165-1RB#14**



Date: 3.DEC.2020 20:52:38



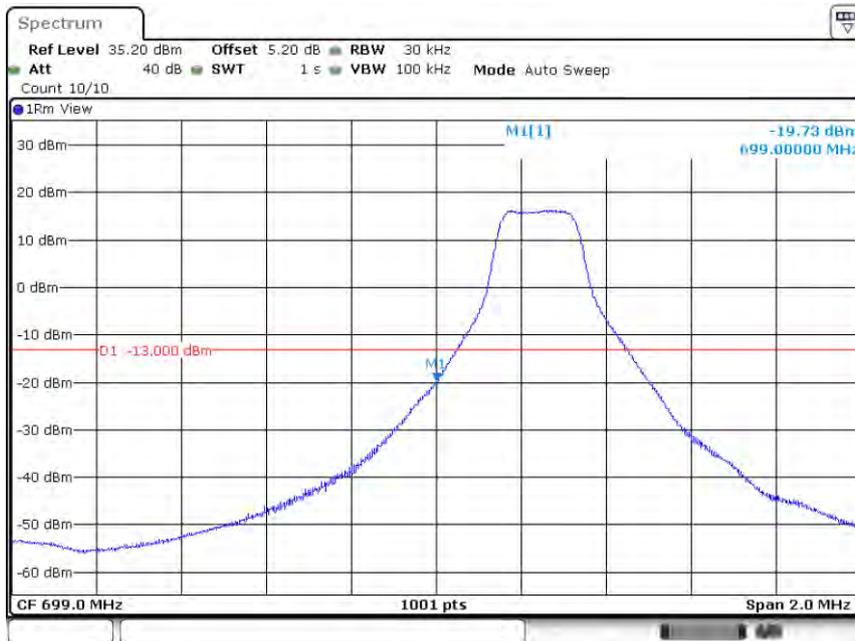
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**Band12-3MHz-QPSK-23165-15RB#0**



Date: 3.DEC.2020 20:53:19

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



Date: 4.DEC.2020 22:05:57



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



Date: 4.DEC.2020 22:06:18

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



Date: 4.DEC.2020 22:06:43



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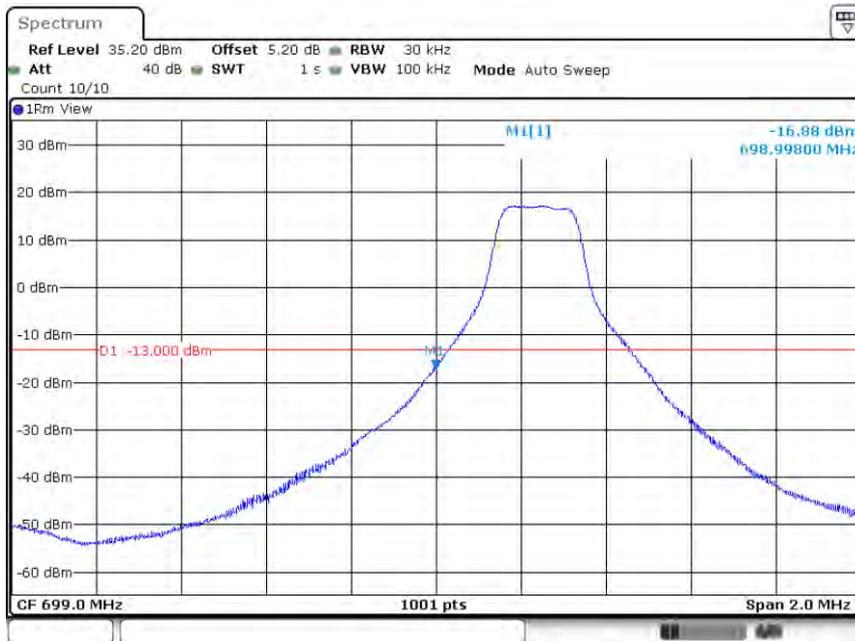


**Band12-3MHz-64QAM-23165-15RB#0**



Date: 4.DEC.2020 22:07:03

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



Date: 3.DEC.2020 20:51:04



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



Date: 3.DEC.2020 20:51:45

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



Date: 3.DEC.2020 20:52:58



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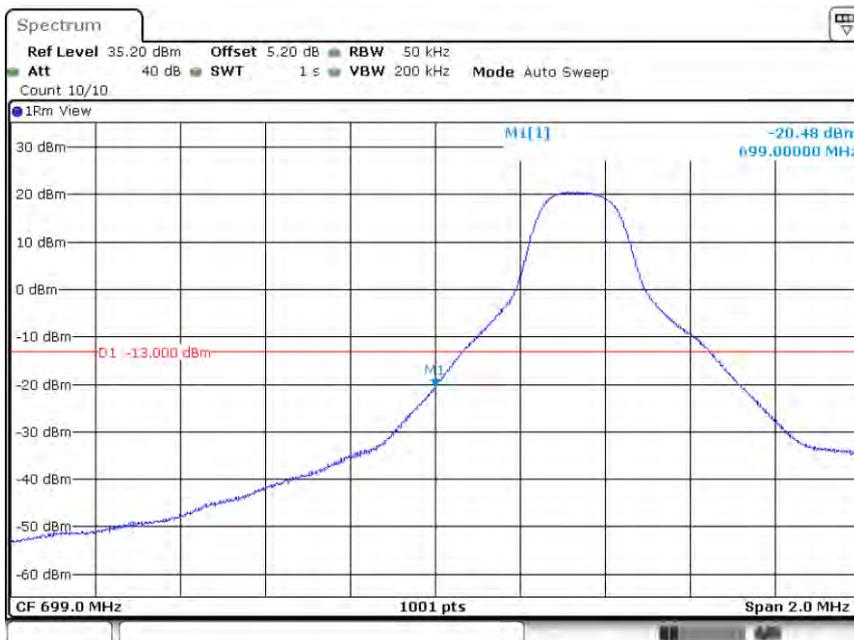


**Band12-3MHz-16QAM-23165-15RB#0**



Date: 3.DEC.2020 20:53:39

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



Date: 3.DEC.2020 20:54:05



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



Date: 3.DEC.2020 20:54:46

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



Date: 3.DEC.2020 20:55:31



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



Date: 3.DEC.2020 20:56:12

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



Date: 4.DEC.2020 22:07:29



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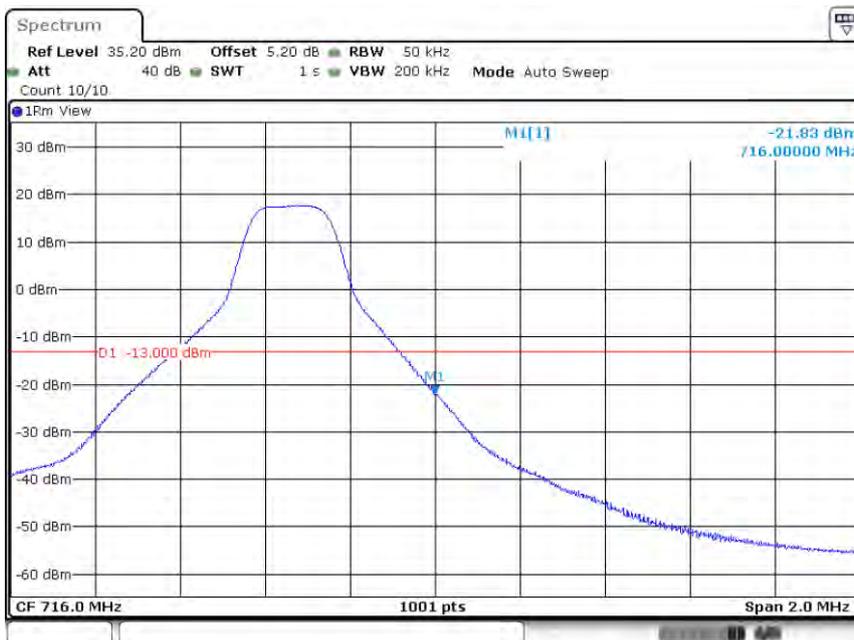


**Band12-5MHz-64QAM-23035-25RB#0**



Date: 4.DEC.2020 22:07:49

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



Date: 4.DEC.2020 22:08:15



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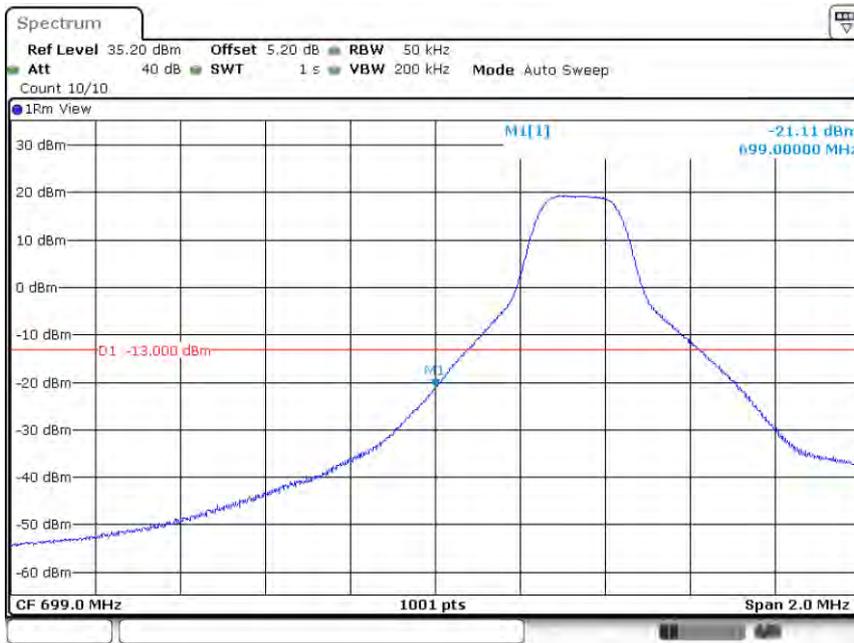


**Band12-5MHz-64QAM-23155-25RB#0**



Date: 4.DEC.2020 22:08:35

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



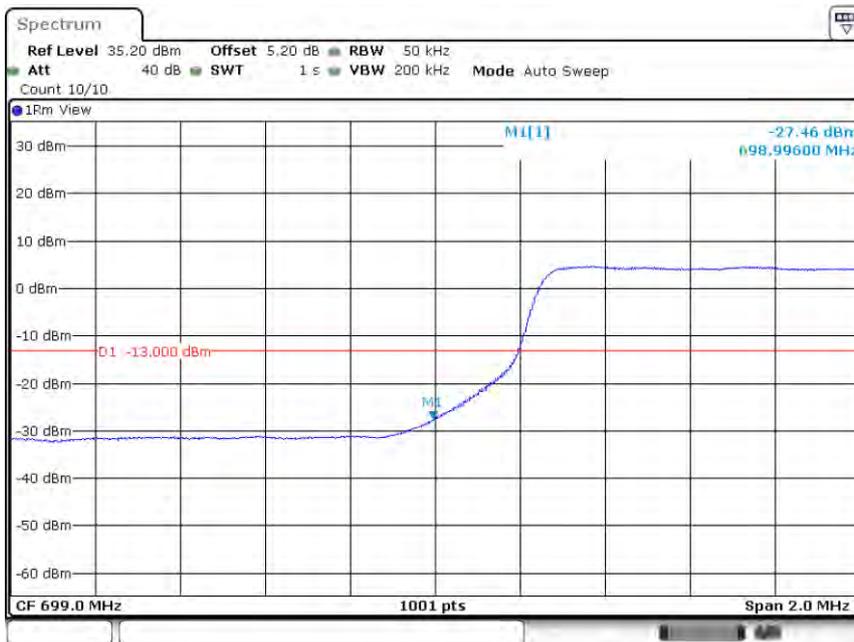
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**Band12-5MHz-16QAM-23035-25RB#0**



Date: 3.DEC.2020 20:55:06

**Band12-5MHz-16QAM-23155-1RB#24**



Date: 3.DEC.2020 20:55:51



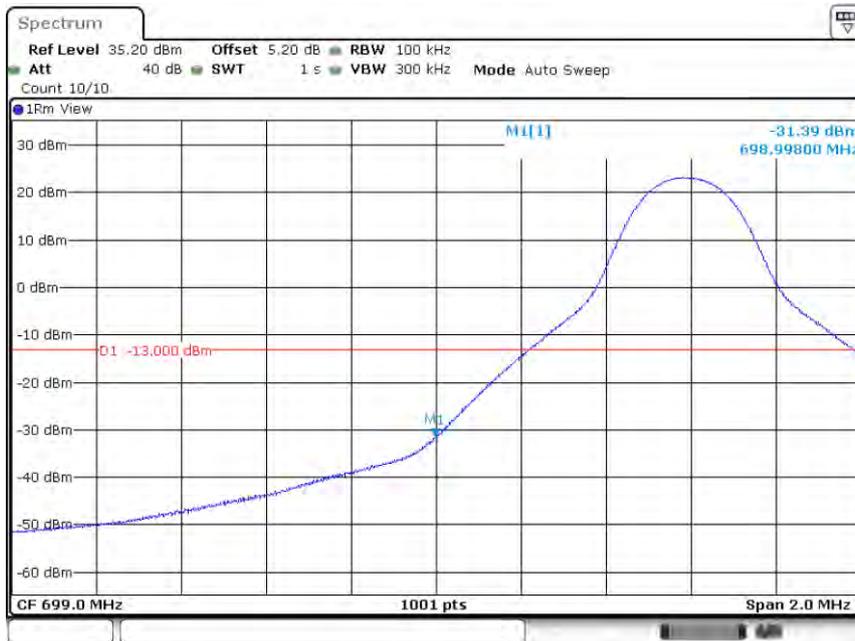
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**Band12-5MHz-16QAM-23155-25RB#0**



Date: 3.DEC.2020 20:56:32

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



Date: 3.DEC.2020 20:56:58



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



Date: 3.DEC.2020 20:57:39

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

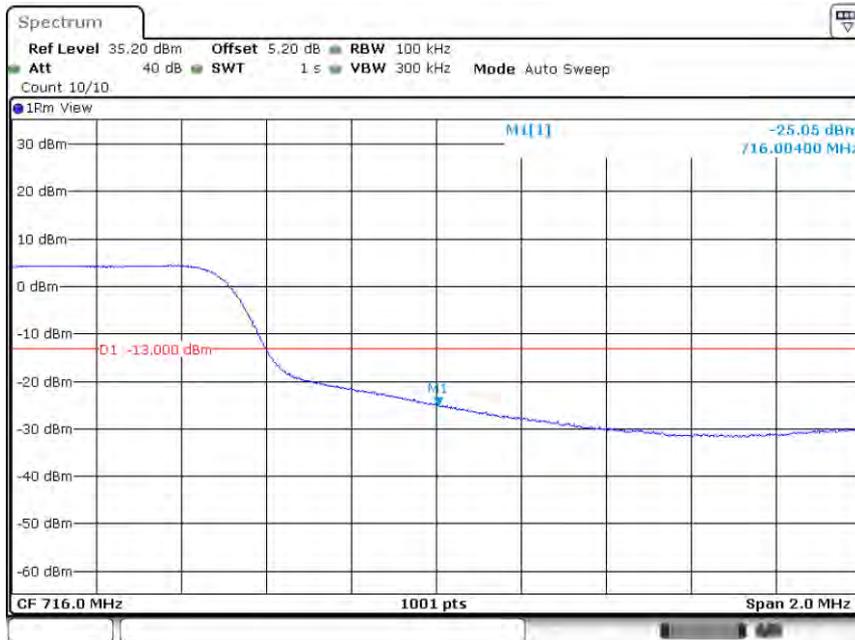


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**Band12-10MHz-QPSK-23130-50RB#0**



Date: 3.DEC.2020 20:59:05

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



Date: 4.DEC.2020 22:09:00



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



Date: 4.DEC.2020 22:09:21

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



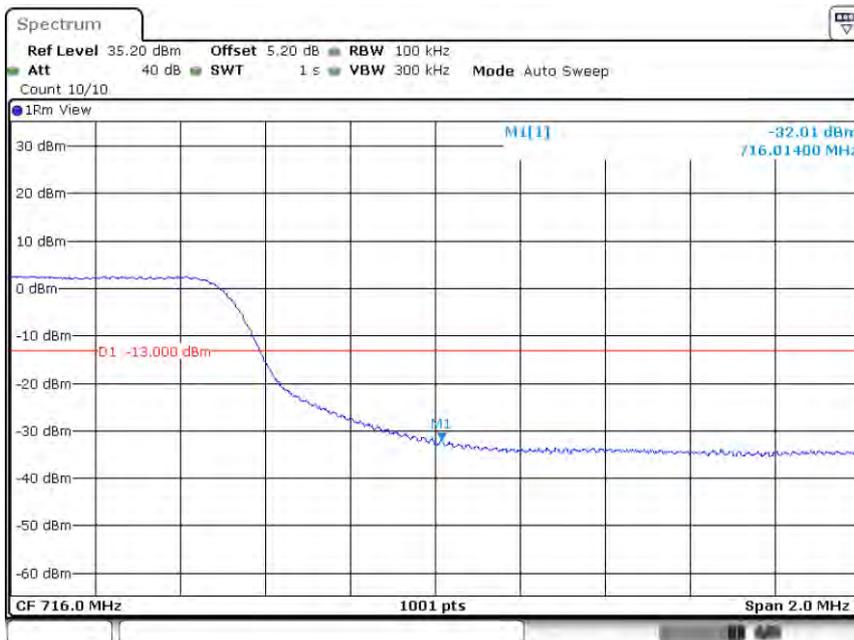
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**Band12-10MHz-64QAM-23130-50RB#0**



Date: 4.DEC.2020 22:10:09

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



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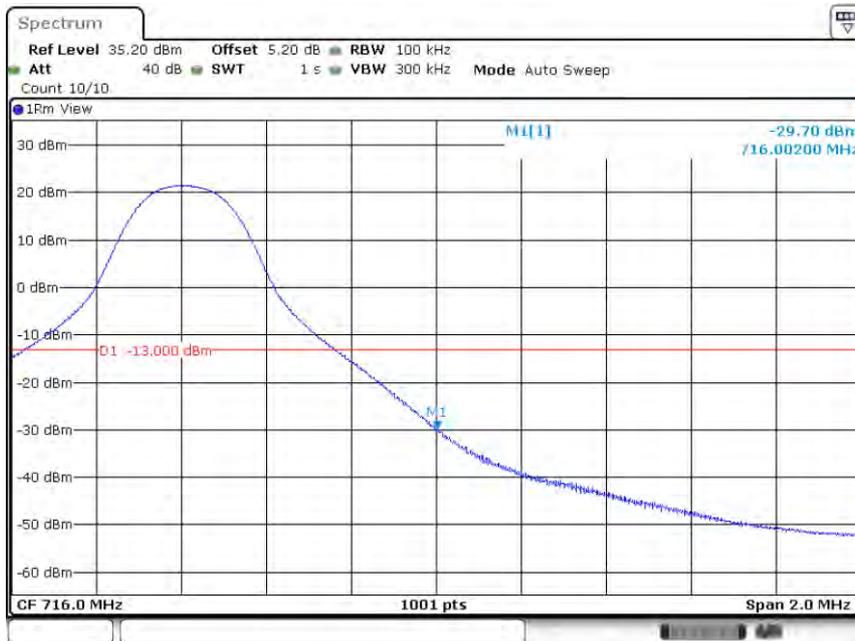


**Band12-10MHz-16QAM-23060-50RB#0**



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Date: 3.DEC.2020 20:58:45



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



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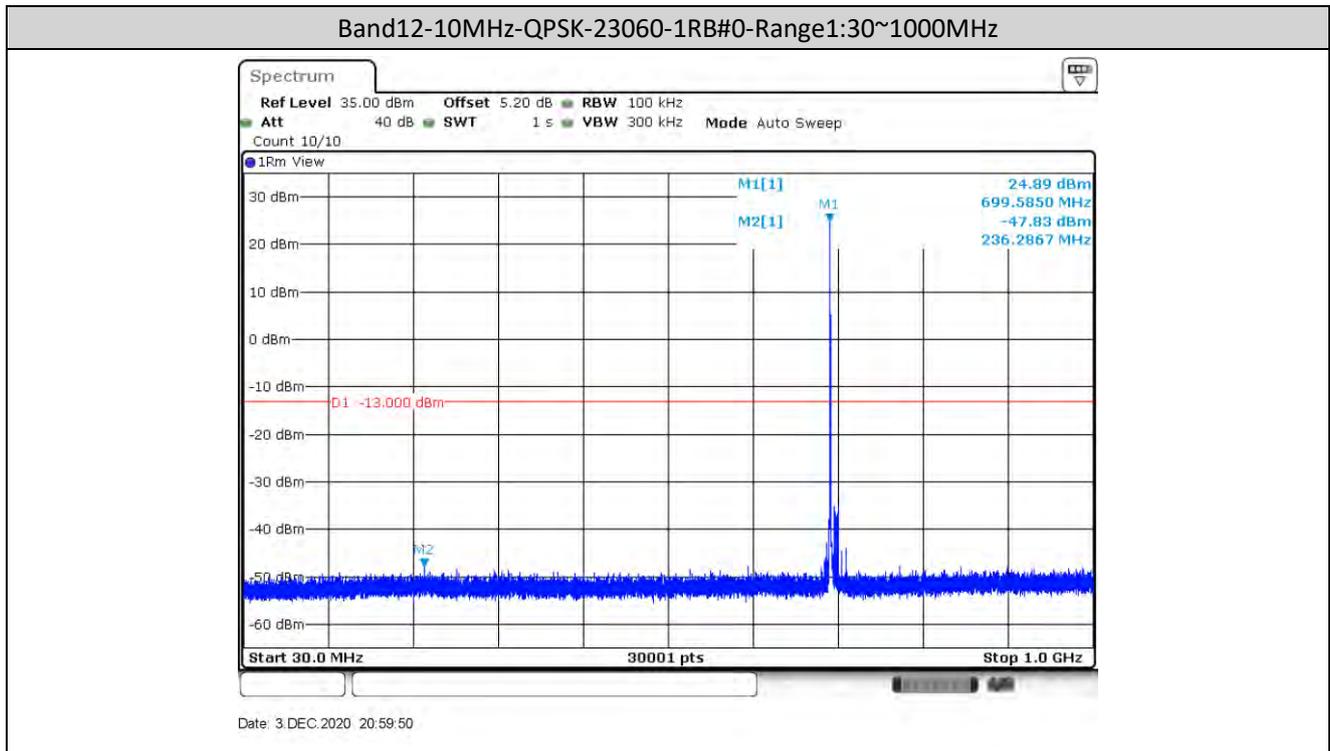
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## 6. Spurious Emission at Antenna Terminal

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.

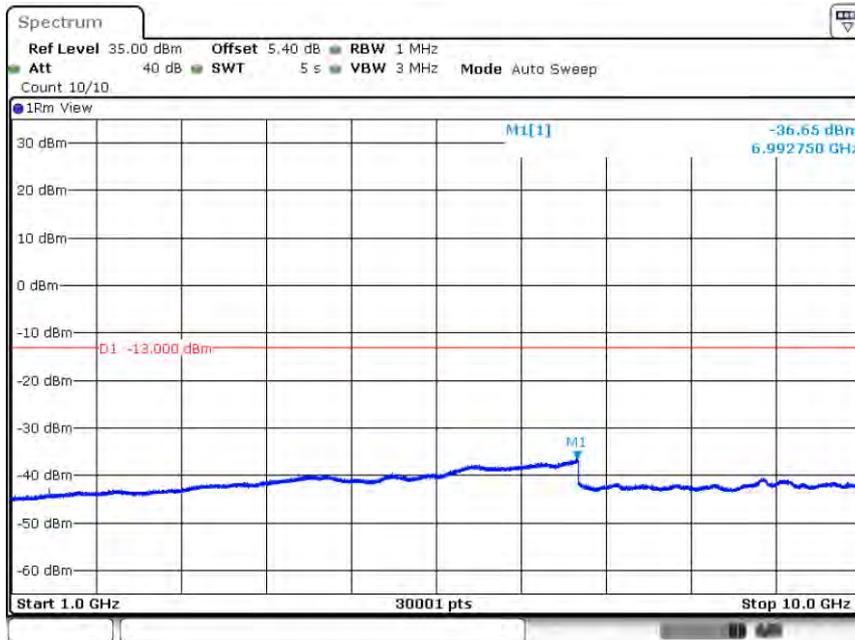
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



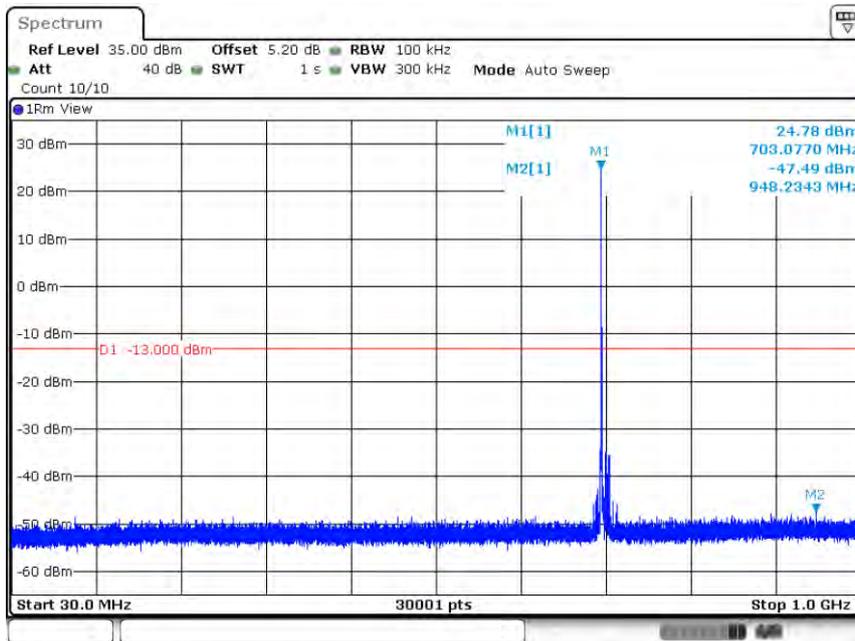
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**Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:00:57

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

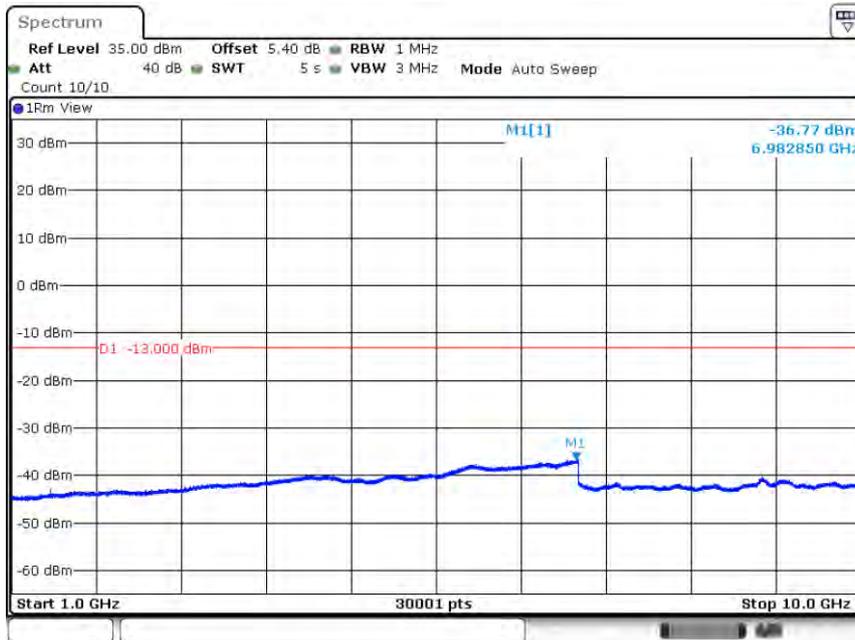


Date: 3.DEC.2020 21:02:44



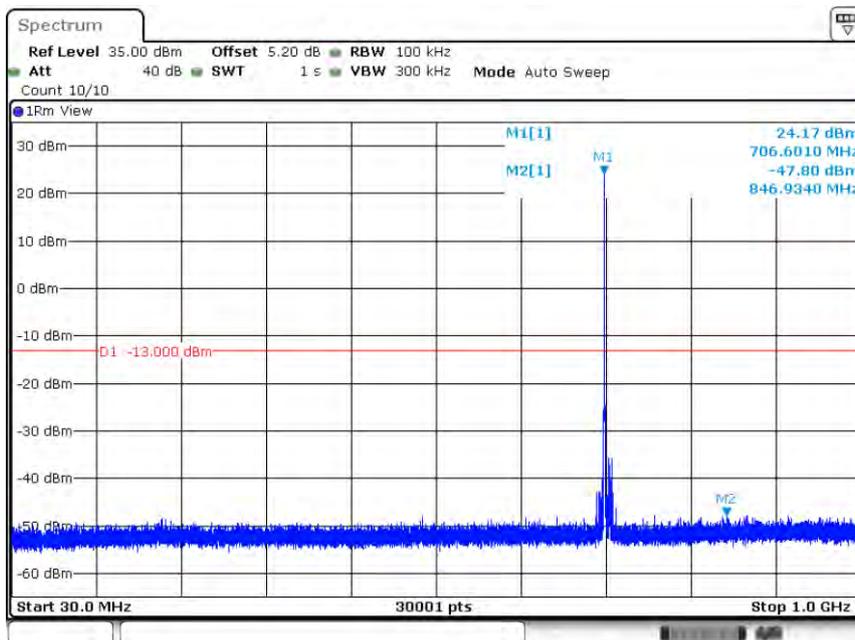
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**Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:03:51

**Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz**

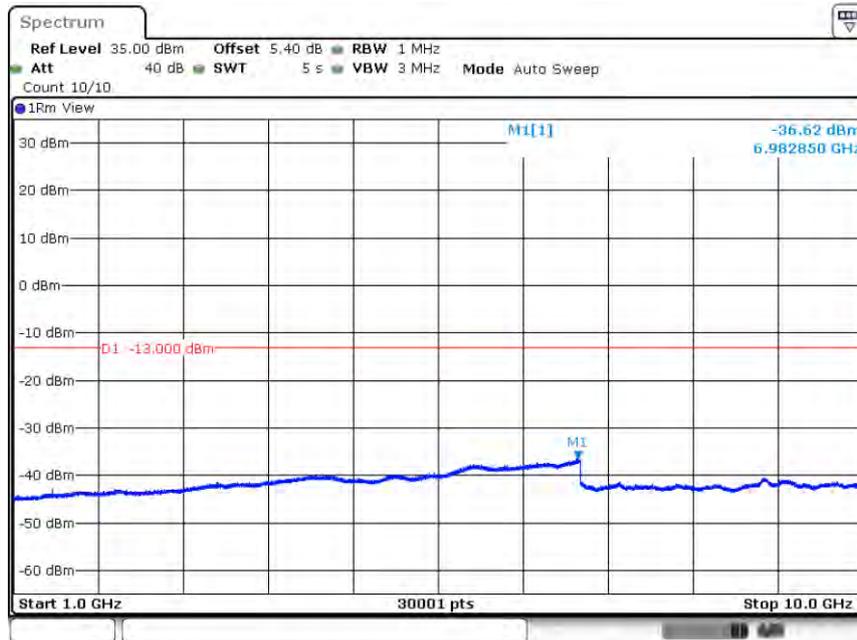


Date: 3.DEC.2020 21:05:38



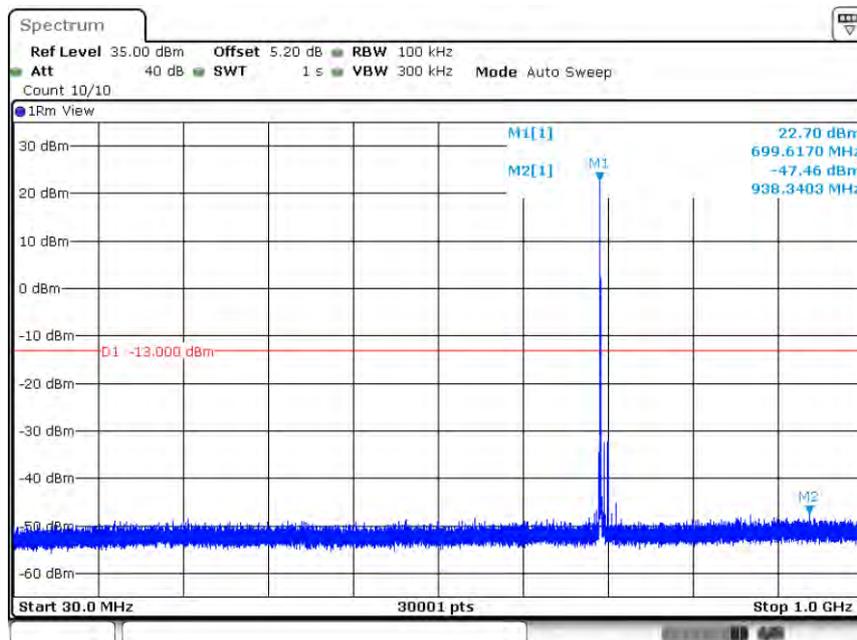
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**Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:06:46

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

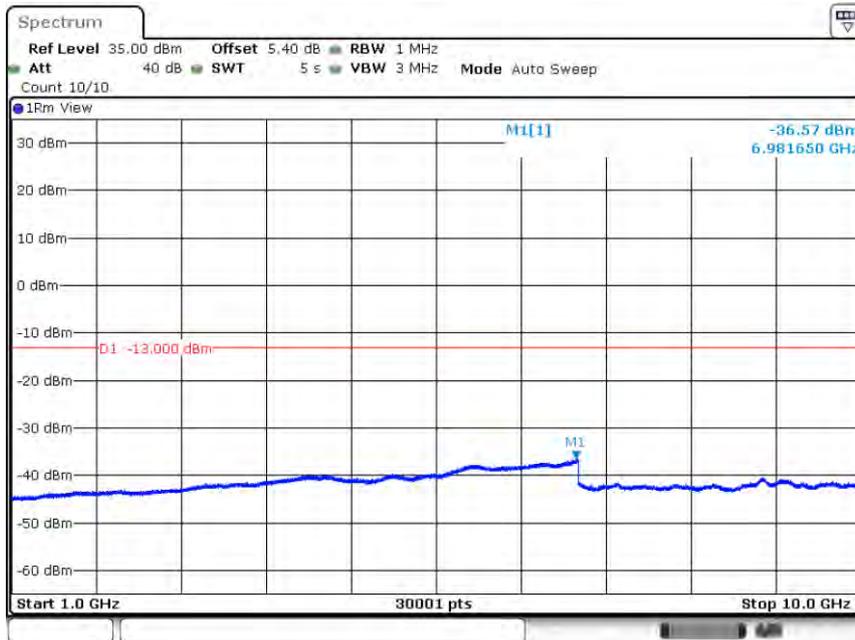


Date: 4.DEC.2020 22:10:33



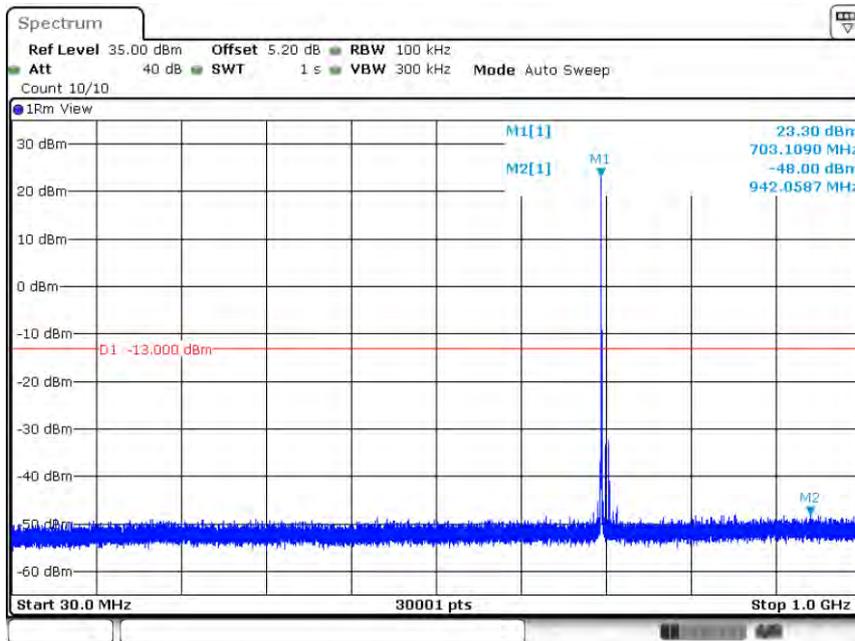
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**Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz**



Date: 4.DEC.2020 22:11:41

**Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz**

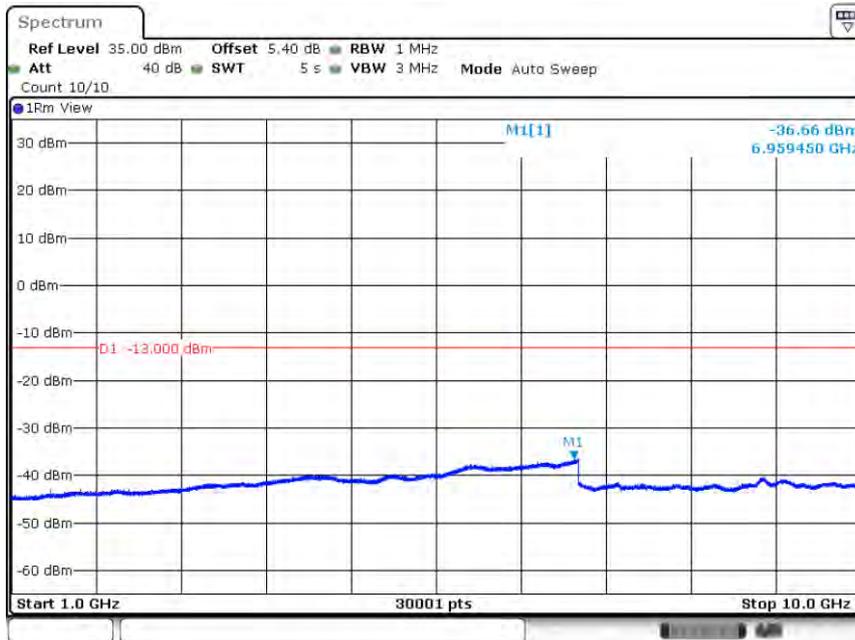


Date: 4.DEC.2020 22:12:01



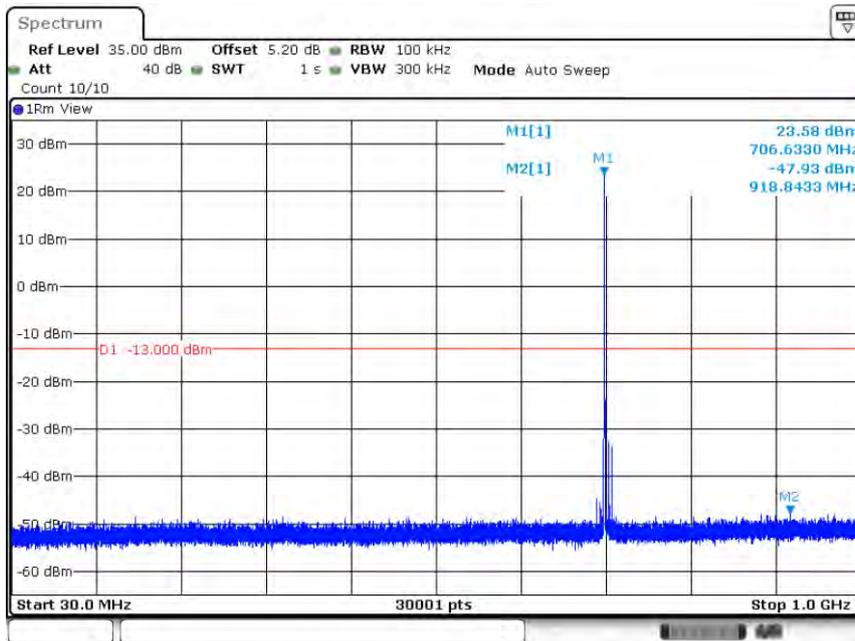
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**Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz**



Date: 4.DEC.2020 22:13:08

**Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz**

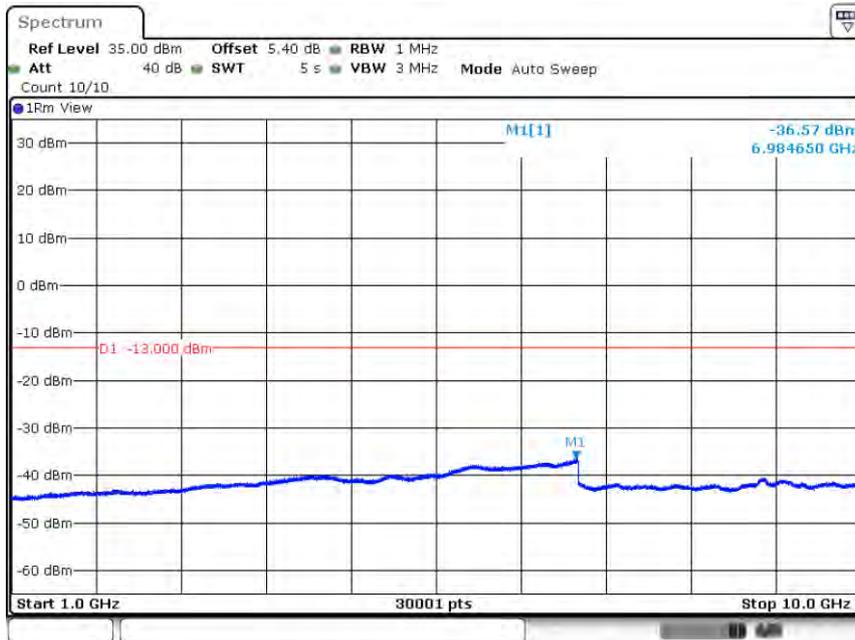


Date: 4.DEC.2020 22:13:28



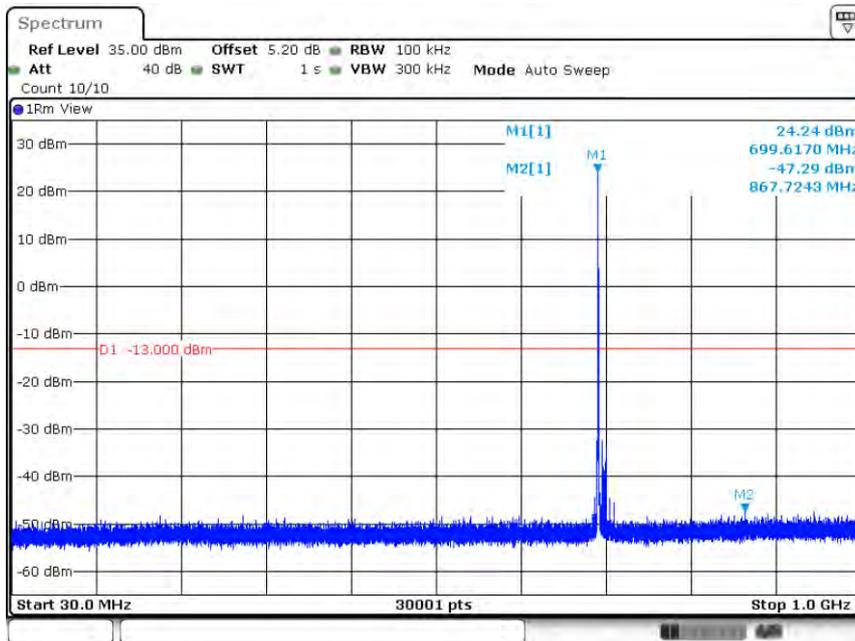
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**Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~10000MHz**



Date: 4.DEC.2020 22:14:35

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

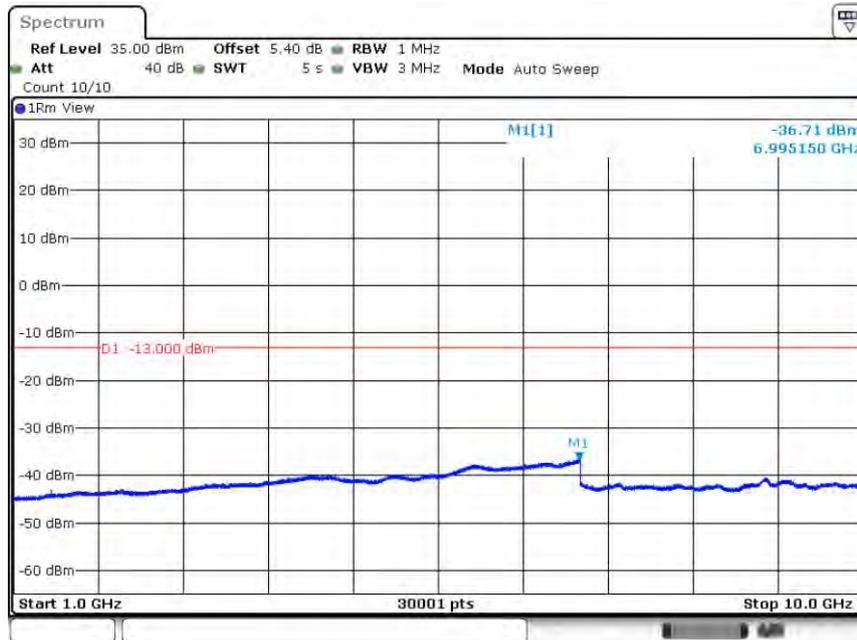


Date: 3.DEC.2020 21:01:17



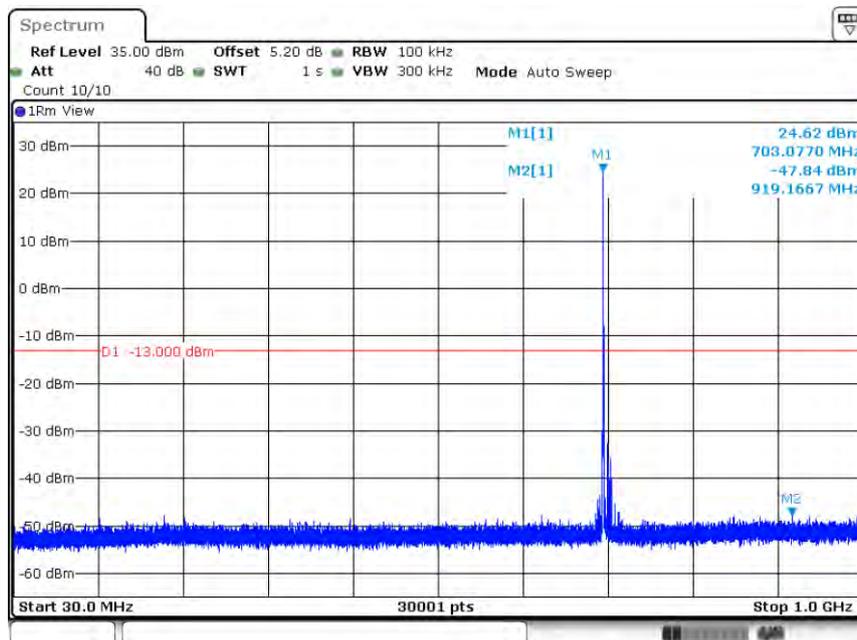
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**Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:02:24

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

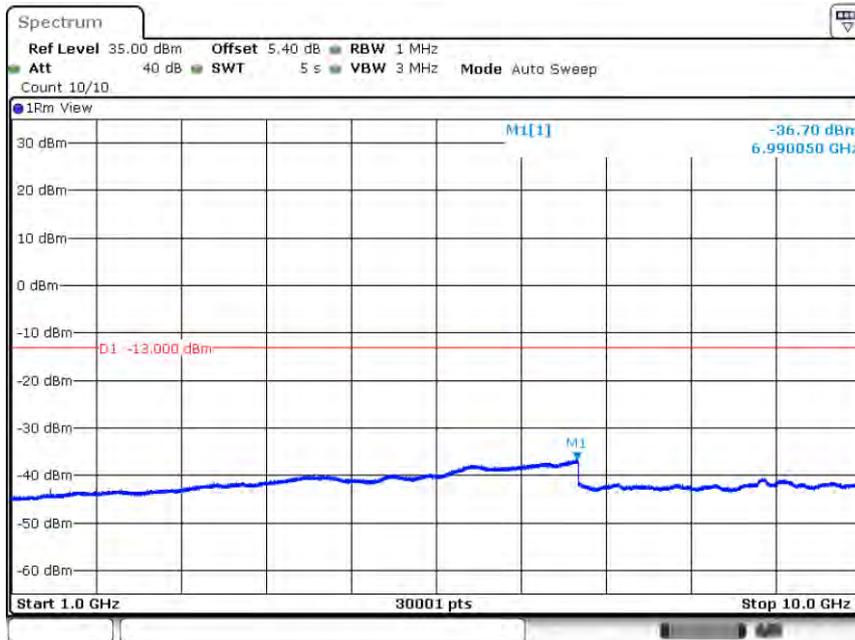


Date: 3.DEC.2020 21:04:11



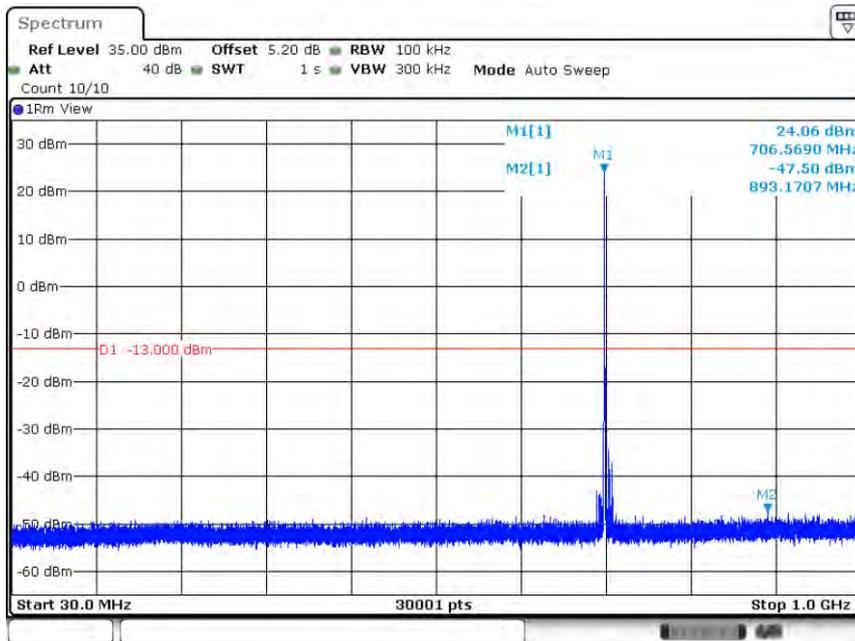
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**Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:05:18

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

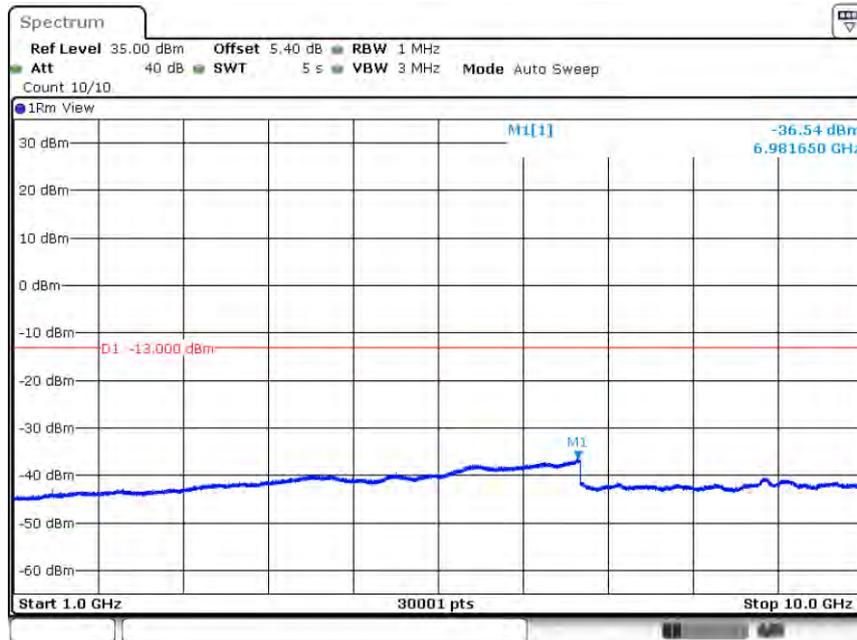


Date: 3.DEC.2020 21:07:05



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**Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz**



Date: 3.DEC.2020 21:08:12



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE\_12\_TM1 CONFIG 0

#### 7.1.1. Test Channel = Low Channel

| Suspected Data List |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1                   | 40.1370     | -61.95      | -13.00      | 48.95       | Horizontal |
| 2                   | 234.1952    | -67.22      | -13.00      | 54.22       | Horizontal |
| 3                   | 404.8267    | -67.50      | -13.00      | 54.50       | Horizontal |
| 4                   | 1746.1492   | -60.56      | -13.00      | 47.56       | Horizontal |
| 5                   | 2702.7405   | -54.69      | -13.00      | 41.69       | Horizontal |
| 6                   | 9326.5731   | -52.17      | -13.00      | 39.17       | Horizontal |



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**7.2. Test Band = LTE\_12\_TM1 CONFIG 0**

**7.2.1. Test Channel = Low Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 49.7890     | -70.80      | -13.00      | 57.80       | Vertical |
| 2                   | 110.9991    | -64.45      | -13.00      | 51.45       | Vertical |
| 3                   | 378.9749    | -66.80      | -13.00      | 53.80       | Vertical |
| 4                   | 1749.7500   | -60.67      | -13.00      | 47.67       | Vertical |
| 5                   | 2480.2961   | -54.24      | -13.00      | 41.24       | Vertical |
| 6                   | 9557.0223   | -51.77      | -13.00      | 38.77       | Vertical |



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**7.3. Test Band = LTE\_12\_TM1 CONFIG 0**

**7.3.1. Test Channel = Mid Channel**

| Suspected Data List |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1                   | 43.4352     | -63.00      | -13.00      | 50.00       | Horizontal |
| 2                   | 236.8628    | -67.36      | -13.00      | 54.36       | Horizontal |
| 3                   | 495.7203    | -66.00      | -13.00      | 53.00       | Horizontal |
| 4                   | 2479.0958   | -50.61      | -13.00      | 37.61       | Horizontal |
| 5                   | 5126.9651   | -61.34      | -13.00      | 48.34       | Horizontal |
| 6                   | 9312.0125   | -52.12      | -13.00      | 39.12       | Horizontal |



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**7.4. Test Band = LTE\_12\_TM1 CONFIG 0**

**7.4.1. Test Channel = Mid Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 49.4980     | -70.34      | -13.00      | 57.34       | Vertical |
| 2                   | 113.5697    | -64.25      | -13.00      | 51.25       | Vertical |
| 3                   | 349.8250    | -68.45      | -13.00      | 55.45       | Vertical |
| 4                   | 2683.1366   | -55.96      | -13.00      | 42.96       | Vertical |
| 5                   | 5034.2814   | -62.06      | -13.00      | 49.06       | Vertical |
| 6                   | 9309.2124   | -52.06      | -13.00      | 39.06       | Vertical |



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**7.5. Test Band = LTE\_12\_TM1 CONFIG 0**

**7.5.1. Test Channel = High Channel**

| Suspected Data List |                |                |                |                |            |
|---------------------|----------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 46.1028        | -63.70         | -13.00         | 50.70          | Horizontal |
| 2                   | 236.8143       | -67.49         | -13.00         | 54.49          | Horizontal |
| 3                   | 513.9087       | -64.74         | -13.00         | 51.74          | Horizontal |
| 4                   | 1746.1492      | -59.38         | -13.00         | 46.38          | Horizontal |
| 5                   | 2479.8960      | -53.11         | -13.00         | 40.11          | Horizontal |
| 6                   | 9327.6931      | -52.09         | -13.00         | 39.09          | Horizontal |



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**7.6. Test Band = LTE\_12\_TM1 CONFIG 0**

**7.6.1. Test Channel = High Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 49.3040     | -72.35      | -13.00      | 59.35       | Vertical |
| 2                   | 107.4099    | -63.96      | -13.00      | 50.96       | Vertical |
| 3                   | 390.9550    | -67.87      | -13.00      | 54.87       | Vertical |
| 4                   | 1746.1492   | -58.24      | -13.00      | 45.24       | Vertical |
| 5                   | 2481.0962   | -47.50      | -13.00      | 34.50       | Vertical |
| 6                   | 9325.1730   | -52.22      | -13.00      | 39.22       | Vertical |



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**7.7. Test Band = LTE\_12\_TM1 CONFIG 1**

**7.7.1. Test Channel = Low Channel**

| Suspected Data List |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1                   | 43.3867     | -63.38      | -13.00      | 50.38       | Horizontal |
| 2                   | 239.7245    | -67.32      | -13.00      | 54.32       | Horizontal |
| 3                   | 1398.8798   | -58.12      | -13.00      | 45.12       | Horizontal |
| 4                   | 2699.9400   | -54.68      | -13.00      | 41.68       | Horizontal |
| 5                   | 5093.9238   | -60.70      | -13.00      | 47.70       | Horizontal |
| 6                   | 9321.2529   | -51.97      | -13.00      | 38.97       | Horizontal |



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**7.8. Test Band = LTE\_12\_TM1 CONFIG 1**

**7.8.1. Test Channel = Low Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 51.1956     | -71.54      | -13.00      | 58.54       | Vertical |
| 2                   | 112.5996    | -63.61      | -13.00      | 50.61       | Vertical |
| 3                   | 324.4582    | -68.20      | -13.00      | 55.20       | Vertical |
| 4                   | 1399.2799   | -59.73      | -13.00      | 46.73       | Vertical |
| 5                   | 2457.4915   | -54.25      | -13.00      | 41.25       | Vertical |
| 6                   | 9870.9148   | -51.59      | -13.00      | 38.59       | Vertical |



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**7.9. Test Band = LTE\_12\_TM1 CONFIG 1**

**7.9.1. Test Channel = Mid Channel**

| Suspected Data List |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1                   | 39.8460     | -63.26      | -13.00      | 50.26       | Horizontal |
| 2                   | 234.6317    | -67.58      | -13.00      | 54.58       | Horizontal |
| 3                   | 1406.0812   | -57.65      | -13.00      | 44.65       | Horizontal |
| 4                   | 2700.3401   | -54.69      | -13.00      | 41.69       | Horizontal |
| 5                   | 5133.4053   | -60.61      | -13.00      | 47.61       | Horizontal |
| 6                   | 9341.6937   | -52.00      | -13.00      | 39.00       | Horizontal |



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**7.10. Test Band = LTE\_12\_TM1 CONFIG 1**  
**7.10.1. Test Channel = Mid Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 71.2271     | -65.89      | -13.00      | 52.89       | Vertical |
| 2                   | 107.1674    | -64.10      | -13.00      | 51.10       | Vertical |
| 3                   | 1406.0812   | -61.46      | -13.00      | 48.46       | Vertical |
| 4                   | 3000.0000   | -54.56      | -13.00      | 41.56       | Vertical |
| 5                   | 5072.3629   | -61.03      | -13.00      | 48.03       | Vertical |
| 6                   | 9901.4361   | -51.22      | -13.00      | 38.22       | Vertical |



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**7.11. Test Band = LTE\_12\_TM1 CONFIG 1**

**7.11.1. Test Channel = Hihg Channel**

| Suspected Data List |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1                   | 44.4052     | -63.36      | -13.00      | 50.36       | Horizontal |
| 2                   | 232.3036    | -67.11      | -13.00      | 54.11       | Horizontal |
| 3                   | 1413.2827   | -59.35      | -13.00      | 46.35       | Horizontal |
| 4                   | 2119.8240   | -55.75      | -13.00      | 42.75       | Horizontal |
| 5                   | 5097.0039   | -60.91      | -13.00      | 47.91       | Horizontal |
| 6                   | 9329.6532   | -51.69      | -13.00      | 38.69       | Horizontal |



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**7.12. Test Band = LTE\_12\_TM1 CONFIG 1**

**7.12.1. Test Channel = High Channel**

| Suspected Data List |             |             |             |             |          |
|---------------------|-------------|-------------|-------------|-------------|----------|
| NO.                 | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1                   | 107.5554    | -63.77      | -13.00      | 50.77       | Vertical |
| 2                   | 328.3869    | -68.57      | -13.00      | 55.57       | Vertical |
| 3                   | 1412.8826   | -60.31      | -13.00      | 47.31       | Vertical |
| 4                   | 2119.8240   | -57.30      | -13.00      | 44.30       | Vertical |
| 5                   | 5075.4430   | -61.17      | -13.00      | 48.17       | Vertical |
| 6                   | 9894.4358   | -51.32      | -13.00      | 38.32       | Vertical |

Remark:

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



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage       |                  |                |                 |             |         |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
|        |           |            |         |              | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VL            | NT               | -1.80          | -0.002557       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VN            | NT               | 10.30          | 0.014631        | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0       | VH            | NT               | 1.00           | 0.001420        | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VL            | NT               | -1.80          | -0.002544       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VN            | NT               | -2.30          | -0.003251       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0       | VH            | NT               | -1.30          | -0.001837       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VL            | NT               | -8.50          | -0.011955       | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VN            | NT               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0       | VH            | NT               | -2.30          | -0.003235       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VL            | NT               | -6.00          | -0.008523       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VN            | NT               | 3.80           | 0.005398        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0       | VH            | NT               | 0.10           | 0.000142        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VL            | NT               | 3.10           | 0.004382        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VN            | NT               | -6.00          | -0.008481       | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0       | VH            | NT               | 3.10           | 0.004382        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VL            | NT               | 5.00           | 0.007032        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VN            | NT               | 1.00           | 0.001406        | ±2.5        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0       | VH            | NT               | -4.00          | -0.005626       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VL            | NT               | 1.90           | 0.002699        | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VN            | NT               | 3.80           | 0.005398        | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0       | VH            | NT               | 3.20           | 0.004545        | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VL            | NT               | -3.00          | -0.004240       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VN            | NT               | 1.10           | 0.001555        | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0       | VH            | NT               | -5.80          | -0.008198       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VL            | NT               | -3.70          | -0.005204       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VN            | NT               | -1.20          | -0.001688       | ±2.5        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0       | VH            | NT               | 0.50           | 0.000703        | ±2.5        | PASS    |



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## 8.2. Frequency Vs Temperature

| 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              | 5.70           | 0.008097        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -20              | -0.30          | -0.000426       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -10              | 6.50           | 0.009233        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 0                | -0.70          | -0.000994       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 10               | 3.20           | 0.004545        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 20               | 5.70           | 0.008097        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 30               | -1.00          | -0.001420       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 40               | 1.40           | 0.001989        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 50               | -5.50          | -0.007813       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -30              | 4.10           | 0.005795        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -20              | 3.30           | 0.004664        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -10              | 3.80           | 0.005371        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 0                | 2.80           | 0.003958        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 10               | -3.10          | -0.004382       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 20               | 2.30           | 0.003251        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 30               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 40               | 2.00           | 0.002827        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 50               | -2.80          | -0.003958       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -30              | 0.70           | 0.000985        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -20              | 1.80           | 0.002532        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -10              | -0.90          | -0.001266       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 0                | 1.70           | 0.002391        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 10               | -1.00          | -0.001406       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 20               | -1.40          | -0.001969       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 30               | -5.00          | -0.007032       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 40               | -3.30          | -0.004641       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 50               | 0.70           | 0.000985        | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | -30              | 5.30           | 0.007528        | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | -20              | -2.50          | -0.003551       | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | -10              | 1.80           | 0.002557        | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | 0                | -0.40          | -0.000568       | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | 10               | 3.30           | 0.004688        | ±2.5        | PASS    |
| Band12      | 10MHz     | 16QAM      | 23060   | 50RB#0       | NV            | 20               | 2.50           | 0.003551        | ±2.5        | PASS    |



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|        |       |       |       |        |    |     |       |           |      |      |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 30  | -0.30 | -0.000426 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 40  | 5.40  | 0.007670  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 50  | 1.20  | 0.001705  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -30 | -6.10 | -0.008622 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -20 | -2.70 | -0.003816 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -10 | 1.80  | 0.002544  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 0   | -1.20 | -0.001696 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 10  | -6.20 | -0.008763 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 20  | -2.10 | -0.002968 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 30  | 0.90  | 0.001272  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 40  | -1.10 | -0.001555 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 50  | -0.10 | -0.000141 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -30 | 0.60  | 0.000844  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -20 | -2.10 | -0.002954 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -10 | 3.40  | 0.004782  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 0   | 1.20  | 0.001688  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 10  | 3.30  | 0.004641  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 20  | 0.40  | 0.000563  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 30  | 0.90  | 0.001266  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 40  | 4.70  | 0.006610  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 50  | 4.90  | 0.006892  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | -30 | -0.70 | -0.000994 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | -20 | 0.80  | 0.001136  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | -10 | -0.70 | -0.000994 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 0   | 4.90  | 0.006960  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 10  | -2.30 | -0.003267 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 20  | 2.70  | 0.003835  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 30  | 0.40  | 0.000568  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 40  | 1.40  | 0.001989  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 50  | -1.50 | -0.002131 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -30 | 2.10  | 0.002968  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -20 | 5.10  | 0.007208  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -10 | 3.00  | 0.004240  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 0   | 2.50  | 0.003534  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 10  | -2.90 | -0.004099 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 20  | -2.00 | -0.002827 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 30  | 2.20  | 0.003110  | ±2.5 | PASS |



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|        |       |       |       |        |    |     |       |           |      |      |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 40  | -3.20 | -0.004523 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 50  | -1.80 | -0.002544 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -30 | -0.70 | -0.000985 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -20 | 2.50  | 0.003516  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -10 | -2.10 | -0.002954 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 0   | 6.10  | 0.008579  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 10  | 0.40  | 0.000563  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 20  | 7.90  | 0.011111  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 30  | -1.20 | -0.001688 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 40  | -2.30 | -0.003235 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 50  | -0.90 | -0.001266 | ±2.5 | PASS |



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