



# Appendix B

## E-UTRA Band 12



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## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result for Down Antenna

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|-----------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.74                | 16.42     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.67                | 16.35     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.79                | 16.47     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.81                | 16.49     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#1            | 23.87                | 16.55     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#3            | 23.81                | 16.49     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 6RB#0            | 22.88                | 15.56     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | 23.78                | 16.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#2            | 23.70                | 16.38     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#5            | 23.77                | 16.45     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#0            | 23.73                | 16.41     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#1            | 23.82                | 16.50     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 3RB#3            | 23.83                | 16.51     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 22.83                | 15.51     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | 23.78                | 16.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#2            | 23.68                | 16.36     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#5            | 23.78                | 16.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#0            | 23.72                | 16.40     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#1            | 23.75                | 16.43     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 3RB#3            | 23.78                | 16.46     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 22.85                | 15.53     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#0            | 21.83                | 14.51     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#2            | 21.90                | 14.58     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 1RB#5            | 21.82                | 14.50     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#0            | 21.90                | 14.58     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#1            | 21.98                | 14.66     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 3RB#3            | 21.91                | 14.59     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 6RB#0            | 19.94                | 12.62     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 1RB#0            | 22.20                | 14.88     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 1RB#2            | 22.11                | 14.79     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 1RB#5            | 22.20                | 14.88     | 34.77       | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 3RB#0            | 21.87                | 14.55     | 34.77       | PASS    |



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|        |        |       |       |        |       |       |       |      |
|--------|--------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#1  | 22.12 | 14.80 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#3  | 21.83 | 14.51 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 6RB#0  | 20.02 | 12.70 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#0  | 22.12 | 14.80 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#2  | 21.90 | 14.58 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#5  | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#0  | 22.10 | 14.78 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#1  | 21.85 | 14.53 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#3  | 21.99 | 14.67 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 6RB#0  | 20.07 | 12.75 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0  | 22.94 | 15.62 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2  | 22.77 | 15.45 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5  | 23.04 | 15.72 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0  | 22.80 | 15.48 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1  | 22.93 | 15.61 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3  | 22.98 | 15.66 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0  | 23.01 | 15.69 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2  | 22.76 | 15.44 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5  | 23.05 | 15.73 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0  | 22.79 | 15.47 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1  | 22.84 | 15.52 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3  | 22.86 | 15.54 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 23.03 | 15.71 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2  | 22.73 | 15.41 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 22.92 | 15.60 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.86 | 15.54 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.87 | 15.55 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.90 | 15.58 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.77 | 14.45 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.96 | 16.64 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.89 | 16.57 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.71 | 16.39 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.69 | 15.37 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.92 | 15.60 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.84 | 15.52 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.74 | 15.42 | 34.77 | PASS |



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|        |      |       |       |        |       |       |       |      |
|--------|------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 3MHz | QPSK  | 23095 | 1RB#0  | 23.78 | 16.46 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#8  | 23.74 | 16.42 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 1RB#14 | 23.75 | 16.43 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#0  | 22.91 | 15.59 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#4  | 22.73 | 15.41 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 8RB#7  | 22.79 | 15.47 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23095 | 15RB#0 | 22.86 | 15.54 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#0  | 23.73 | 16.41 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#8  | 23.68 | 16.36 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 1RB#14 | 23.76 | 16.44 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0  | 22.87 | 15.55 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4  | 22.75 | 15.43 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7  | 22.74 | 15.42 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0 | 22.88 | 15.56 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#0  | 22.18 | 14.86 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#8  | 21.99 | 14.67 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#14 | 22.01 | 14.69 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#0  | 20.88 | 13.56 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#4  | 20.96 | 13.64 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#7  | 20.94 | 13.62 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 15RB#0 | 21.18 | 13.86 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#0  | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#8  | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#14 | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#0  | 21.08 | 13.76 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#4  | 21.01 | 13.69 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#7  | 21.11 | 13.79 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 15RB#0 | 20.81 | 13.49 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#0  | 22.17 | 14.85 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#8  | 22.12 | 14.80 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#14 | 22.03 | 14.71 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#0  | 21.17 | 13.85 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#4  | 20.90 | 13.58 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#7  | 21.16 | 13.84 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 15RB#0 | 21.06 | 13.74 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0  | 22.90 | 15.58 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8  | 23.01 | 15.69 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 22.88 | 15.56 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0   | 21.70 | 14.38 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4   | 21.75 | 14.43 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7   | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0  | 21.73 | 14.41 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0   | 23.03 | 15.71 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8   | 23.07 | 15.75 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14  | 23.04 | 15.72 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0   | 21.90 | 14.58 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4   | 21.80 | 14.48 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7   | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0  | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0   | 22.94 | 15.62 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8   | 22.95 | 15.63 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 23.09 | 15.77 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 21.82 | 14.50 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 21.82 | 14.50 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 21.88 | 14.56 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.78 | 16.46 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.83 | 16.51 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.93 | 16.61 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.79 | 15.47 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.96 | 15.64 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 23.01 | 15.69 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.82 | 15.50 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 23.75 | 16.43 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 23.84 | 16.52 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 23.84 | 16.52 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.95 | 15.63 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.83 | 15.51 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.85 | 15.53 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.77 | 15.45 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 23.68 | 16.36 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 23.78 | 16.46 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 23.73 | 16.41 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 22.92 | 15.60 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 22.72 | 15.40 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 22.84 | 15.52 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 22.91 | 15.59 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#0   | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#12  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#24  | 21.85 | 14.53 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#0  | 20.90 | 13.58 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#6  | 20.82 | 13.50 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#13 | 21.06 | 13.74 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 25RB#0  | 20.81 | 13.49 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#0   | 22.17 | 14.85 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#12  | 21.98 | 14.66 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#24  | 22.15 | 14.83 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#0  | 21.16 | 13.84 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#6  | 20.97 | 13.65 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 12RB#13 | 20.94 | 13.62 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 25RB#0  | 20.90 | 13.58 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#0   | 21.91 | 14.59 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#12  | 22.04 | 14.72 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 1RB#24  | 21.83 | 14.51 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 12RB#0  | 20.90 | 13.58 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 12RB#6  | 20.99 | 13.67 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 12RB#13 | 20.94 | 13.62 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23155 | 25RB#0  | 20.81 | 13.49 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 22.92 | 15.60 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 22.84 | 15.52 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 23.10 | 15.78 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 21.80 | 14.48 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 21.70 | 14.38 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 21.84 | 14.52 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 22.95 | 15.63 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 22.88 | 15.56 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 23.06 | 15.74 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 21.89 | 14.57 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 22.01 | 14.69 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 21.80 | 14.48 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 23.01 | 15.69 | 34.77 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12  | 22.75 | 15.43 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 23.00 | 15.68 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.86 | 14.54 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.67 | 14.35 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.73 | 14.41 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.74 | 16.42 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.72 | 16.40 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 23.76 | 16.44 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.91 | 15.59 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.77 | 15.45 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.70 | 15.38 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.93 | 15.61 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.62 | 16.30 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.72 | 16.40 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.92 | 16.60 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.92 | 15.60 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 22.91 | 15.59 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.77 | 15.45 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.82 | 15.50 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 23.79 | 16.47 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 23.76 | 16.44 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 23.75 | 16.43 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.74 | 15.42 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.98 | 15.66 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 22.73 | 15.41 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 22.74 | 15.42 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0   | 22.15 | 14.83 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#24  | 21.93 | 14.61 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#49  | 21.80 | 14.48 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#0  | 21.05 | 13.73 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#12 | 21.03 | 13.71 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#25 | 21.02 | 13.70 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0  | 20.80 | 13.48 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0   | 22.17 | 14.85 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#24  | 22.07 | 14.75 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#49  | 22.00 | 14.68 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#0  | 21.19 | 13.87 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#12 | 21.08 | 13.76 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | 64QAM | 23095 | 25RB#25 | 21.10 | 13.78 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0  | 21.01 | 13.69 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#0   | 22.13 | 14.81 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#24  | 22.09 | 14.77 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49  | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#0  | 21.19 | 13.87 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#12 | 21.13 | 13.81 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#25 | 20.94 | 13.62 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0  | 20.82 | 13.50 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.93 | 15.61 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.81 | 15.49 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 23.08 | 15.76 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.85 | 14.53 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.74 | 14.42 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.86 | 14.54 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.88 | 14.56 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.78 | 15.46 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.72 | 15.40 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 23.07 | 15.75 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.88 | 14.56 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.87 | 14.55 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.91 | 14.59 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.85 | 14.53 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.98 | 15.66 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.73 | 15.41 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 22.93 | 15.61 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 21.80 | 14.48 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.72 | 14.40 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.77 | 14.45 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 21.74 | 14.42 | 34.77 | PASS |

## 1.2. Test Result for Up Antenna

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|-----------|-------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | 23.71                | 13.89     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#2            | 23.65                | 13.83     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#5            | 23.79                | 13.97     | 34.77       | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23017   | 3RB#0            | 23.70                | 13.88     | 34.77       | PASS    |



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|        |        |       |       |       |       |       |       |      |
|--------|--------|-------|-------|-------|-------|-------|-------|------|
| Band12 | 1.4MHz | QPSK  | 23017 | 3RB#1 | 23.76 | 13.94 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 3RB#3 | 23.77 | 13.95 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 6RB#0 | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#0 | 23.78 | 13.96 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#2 | 23.62 | 13.80 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#5 | 23.71 | 13.89 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#0 | 23.86 | 14.04 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#1 | 23.73 | 13.91 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#3 | 23.70 | 13.88 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 6RB#0 | 22.92 | 13.10 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#0 | 23.73 | 13.91 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#2 | 23.72 | 13.90 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#5 | 23.68 | 13.86 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#0 | 23.82 | 14.00 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#1 | 23.68 | 13.86 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3 | 23.70 | 13.88 | 34.77 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0 | 22.87 | 13.05 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#0 | 21.71 | 11.89 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#2 | 21.64 | 11.82 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 1RB#5 | 21.66 | 11.84 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#0 | 21.71 | 11.89 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#1 | 21.70 | 11.88 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 3RB#3 | 21.71 | 11.89 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23017 | 6RB#0 | 20.67 | 10.85 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#0 | 21.83 | 12.01 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#2 | 22.01 | 12.19 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 1RB#5 | 21.95 | 12.13 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#0 | 21.90 | 12.08 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#1 | 21.65 | 11.83 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 3RB#3 | 21.92 | 12.10 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23095 | 6RB#0 | 20.71 | 10.89 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#0 | 21.91 | 12.09 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#2 | 21.69 | 11.87 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 1RB#5 | 22.14 | 12.32 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#0 | 21.87 | 12.05 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#1 | 21.88 | 12.06 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 3RB#3 | 21.99 | 12.17 | 34.77 | PASS |
| Band12 | 1.4MHz | 64QAM | 23173 | 6RB#0 | 20.82 | 11.00 | 34.77 | PASS |



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|        |        |       |       |        |       |       |       |      |
|--------|--------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0  | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2  | 22.70 | 12.88 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5  | 22.86 | 13.04 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0  | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1  | 22.80 | 12.98 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3  | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0  | 21.68 | 11.86 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0  | 23.02 | 13.20 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2  | 22.77 | 12.95 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5  | 22.86 | 13.04 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0  | 22.80 | 12.98 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1  | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3  | 22.74 | 12.92 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0  | 21.71 | 11.89 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 22.99 | 13.17 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2  | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 22.93 | 13.11 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 22.90 | 13.08 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1  | 22.94 | 13.12 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 22.93 | 13.11 | 34.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 21.81 | 11.99 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.65 | 13.83 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#8  | 23.89 | 14.07 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.70 | 13.88 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.65 | 12.83 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.85 | 13.03 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 22.84 | 13.02 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 22.71 | 12.89 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 23.75 | 13.93 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#8  | 23.79 | 13.97 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 23.79 | 13.97 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 22.89 | 13.07 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 22.77 | 12.95 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 22.77 | 12.95 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 22.79 | 12.97 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 23.89 | 14.07 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#8  | 23.75 | 13.93 | 34.77 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 23.68 | 13.86 | 34.77 | PASS |



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|        |      |       |       |        |       |       |       |      |
|--------|------|-------|-------|--------|-------|-------|-------|------|
| Band12 | 3MHz | QPSK  | 23165 | 8RB#0  | 22.90 | 13.08 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#4  | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 8RB#7  | 22.71 | 12.89 | 34.77 | PASS |
| Band12 | 3MHz | QPSK  | 23165 | 15RB#0 | 22.90 | 13.08 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#0  | 21.65 | 11.83 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#8  | 21.82 | 12.00 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 1RB#14 | 21.69 | 11.87 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#0  | 20.64 | 10.82 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#4  | 20.68 | 10.86 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 8RB#7  | 20.79 | 10.97 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23025 | 15RB#0 | 20.90 | 11.08 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#0  | 21.99 | 12.17 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#8  | 21.86 | 12.04 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 1RB#14 | 22.04 | 12.22 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#0  | 20.91 | 11.09 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#4  | 20.71 | 10.89 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 8RB#7  | 20.69 | 10.87 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23095 | 15RB#0 | 20.86 | 11.04 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#0  | 21.72 | 11.90 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#8  | 21.92 | 12.10 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 1RB#14 | 22.06 | 12.24 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#0  | 20.75 | 10.93 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#4  | 20.64 | 10.82 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 8RB#7  | 20.78 | 10.96 | 34.77 | PASS |
| Band12 | 3MHz | 64QAM | 23165 | 15RB#0 | 20.62 | 10.80 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0  | 22.73 | 12.91 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8  | 22.77 | 12.95 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0  | 21.65 | 11.83 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4  | 21.90 | 12.08 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7  | 21.79 | 11.97 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 21.67 | 11.85 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0  | 22.98 | 13.16 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8  | 23.02 | 13.20 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 22.89 | 13.07 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0  | 21.89 | 12.07 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4  | 21.84 | 12.02 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7  | 21.83 | 12.01 | 34.77 | PASS |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0  | 21.85 | 12.03 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0   | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8   | 22.90 | 13.08 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 23.07 | 13.25 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 21.68 | 11.86 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 21.59 | 11.77 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 21.81 | 11.99 | 34.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 21.88 | 12.06 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 23.69 | 13.87 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 23.74 | 13.92 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 23.68 | 13.86 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 22.75 | 12.93 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 22.95 | 13.13 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 22.82 | 13.00 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 22.87 | 13.05 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 23.88 | 14.06 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 23.81 | 13.99 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 23.75 | 13.93 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 22.80 | 12.98 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 22.86 | 13.04 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 22.89 | 13.07 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 23.69 | 13.87 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 23.82 | 14.00 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 23.67 | 13.85 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 22.95 | 13.13 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 22.92 | 13.10 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 22.74 | 12.92 | 34.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#0   | 21.77 | 11.95 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#12  | 21.60 | 11.78 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 1RB#24  | 21.65 | 11.83 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#0  | 20.69 | 10.87 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#6  | 20.66 | 10.84 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 12RB#13 | 20.89 | 11.07 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23035 | 25RB#0  | 20.80 | 10.98 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#0   | 22.08 | 12.26 | 34.77 | PASS |
| Band12 | 5MHz | 64QAM | 23095 | 1RB#12  | 21.83 | 12.01 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 5MHz  | 64QAM | 23095 | 1RB#24  | 21.98 | 12.16 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23095 | 12RB#0  | 20.74 | 10.92 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23095 | 12RB#6  | 20.82 | 11.00 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23095 | 12RB#13 | 20.73 | 10.91 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23095 | 25RB#0  | 20.90 | 11.08 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#0   | 22.16 | 12.34 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#12  | 21.75 | 11.93 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 1RB#24  | 21.91 | 12.09 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#0  | 20.93 | 11.11 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#6  | 20.91 | 11.09 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 12RB#13 | 20.87 | 11.05 | 34.77 | PASS |
| Band12 | 5MHz  | 64QAM | 23155 | 25RB#0  | 20.64 | 10.82 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#0   | 22.85 | 13.03 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#12  | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 1RB#24  | 22.80 | 12.98 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#0  | 21.70 | 11.88 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#6  | 21.66 | 11.84 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 12RB#13 | 21.91 | 12.09 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23035 | 25RB#0  | 21.80 | 11.98 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#0   | 23.05 | 13.23 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#12  | 22.68 | 12.86 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 1RB#24  | 22.84 | 13.02 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#0  | 21.70 | 11.88 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#6  | 21.84 | 12.02 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 12RB#13 | 21.89 | 12.07 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23095 | 25RB#0  | 21.88 | 12.06 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#0   | 23.08 | 13.26 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#12  | 22.92 | 13.10 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 22.97 | 13.15 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 21.86 | 12.04 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 21.85 | 12.03 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 21.82 | 12.00 | 34.77 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 21.83 | 12.01 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.72 | 13.90 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 23.63 | 13.81 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 23.69 | 13.87 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 22.88 | 13.06 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 22.75 | 12.93 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 22.89 | 13.07 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 23.70 | 13.88 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 23.80 | 13.98 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 23.81 | 13.99 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 22.76 | 12.94 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 22.71 | 12.89 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 22.69 | 12.87 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 23.76 | 13.94 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 23.67 | 13.85 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 23.68 | 13.86 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 22.84 | 13.02 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 22.72 | 12.90 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 22.75 | 12.93 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#0   | 21.76 | 11.94 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#24  | 21.77 | 11.95 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 1RB#49  | 21.80 | 11.98 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#0  | 20.76 | 10.94 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#12 | 20.68 | 10.86 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 25RB#25 | 20.80 | 10.98 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0  | 20.84 | 11.02 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0   | 21.81 | 11.99 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#24  | 21.79 | 11.97 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 1RB#49  | 22.00 | 12.18 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#0  | 20.67 | 10.85 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#12 | 20.94 | 11.12 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 25RB#25 | 20.66 | 10.84 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0  | 20.71 | 10.89 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#0   | 22.09 | 12.27 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#24  | 21.93 | 12.11 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 1RB#49  | 21.93 | 12.11 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#0  | 20.86 | 11.04 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#12 | 20.67 | 10.85 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 25RB#25 | 20.92 | 11.10 | 34.77 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0  | 20.84 | 11.02 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 22.77 | 12.95 | 34.77 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.93 | 13.11 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 22.90 | 13.08 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 21.74 | 11.92 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 21.65 | 11.83 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 21.78 | 11.96 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 21.81 | 11.99 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 22.81 | 12.99 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 22.87 | 13.05 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 22.94 | 13.12 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 21.69 | 11.87 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 21.86 | 12.04 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 21.86 | 12.04 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 21.63 | 11.81 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 22.95 | 13.13 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 22.84 | 13.02 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 22.79 | 12.97 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 21.86 | 12.04 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 21.59 | 11.77 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 21.79 | 11.97 | 34.77 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0  | 21.78 | 11.96 | 34.77 | PASS |

Remark:

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

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

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



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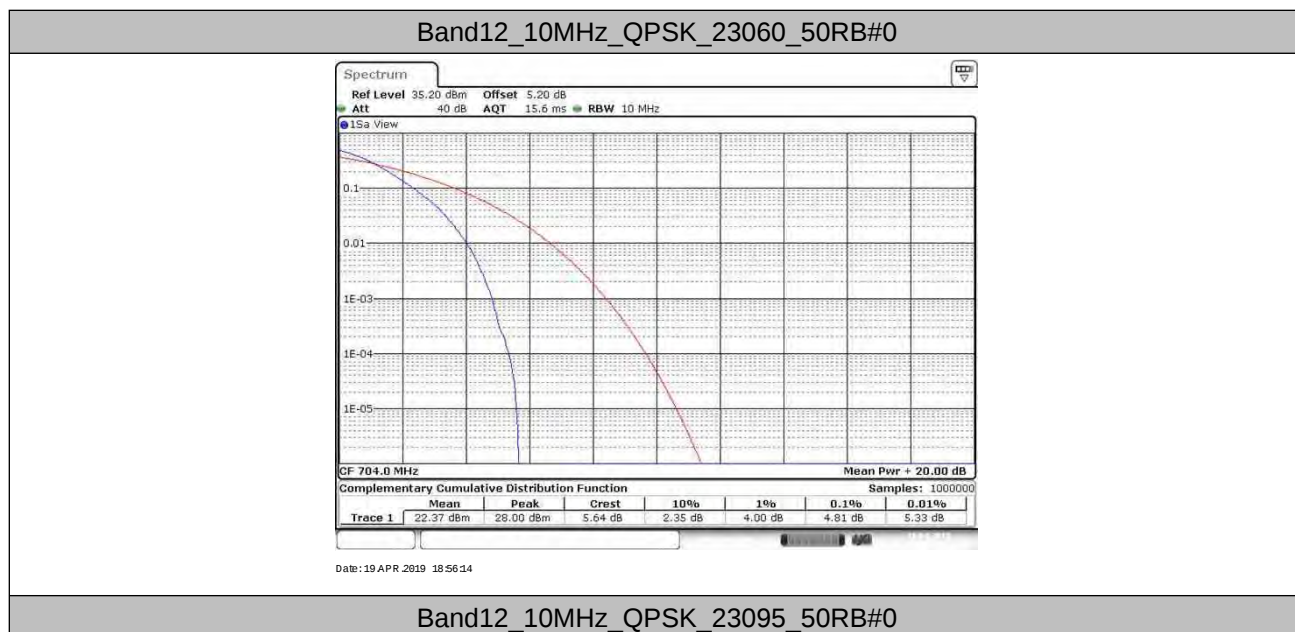
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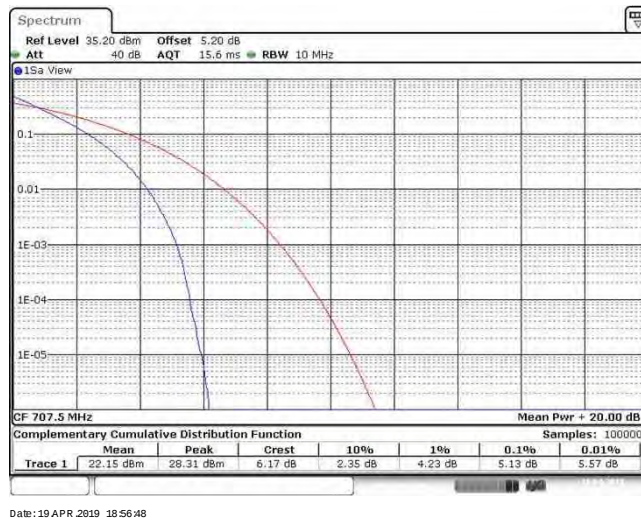
## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

| BAND   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 4.81       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 5.13       | 13        | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 4.84       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 5.71       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23095   | 50RB#0           | 5.91       | 13        | PASS    |
| Band12 | 10MHz     | 64QAM      | 23130   | 50RB#0           | 5.77       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 5.77       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 5.91       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 5.77       | 13        | PASS    |

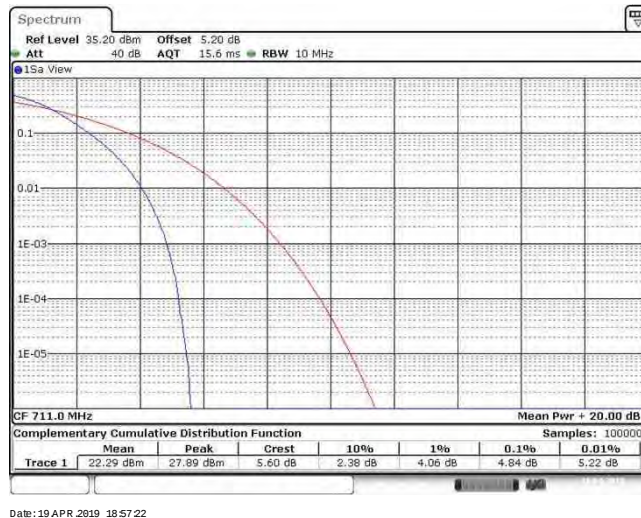
### 2.2. Test Plots





Date: 19 APR 2019 18:56:48

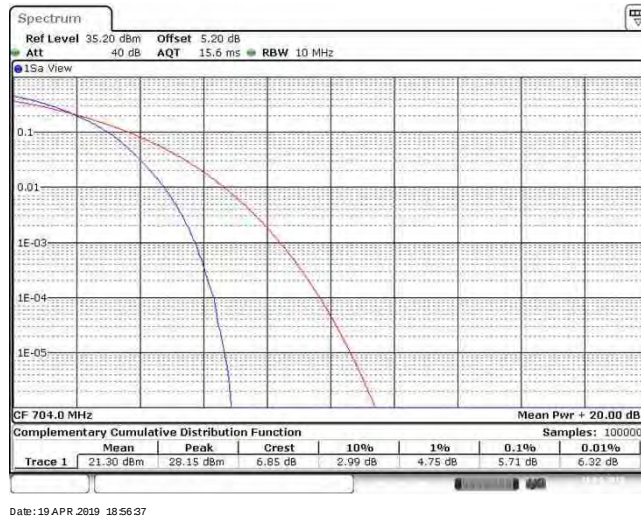
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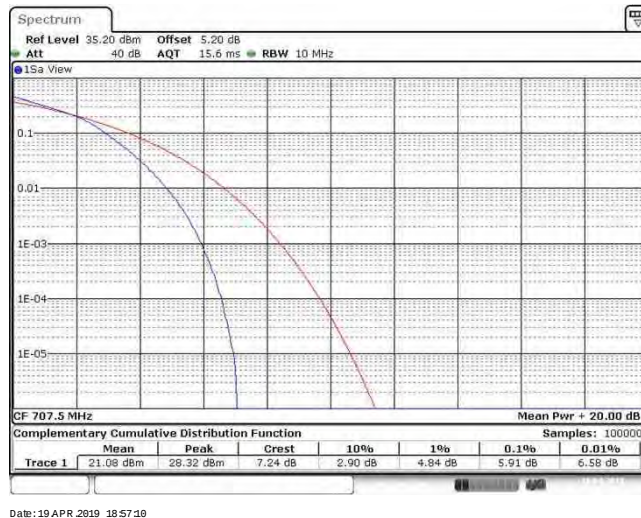
### Band12\_10MHz\_64QAM\_23060\_50RB#0





Date: 19 APR 2019 18:56:37

Band12\_10MHz\_64QAM\_23095\_50RB#0



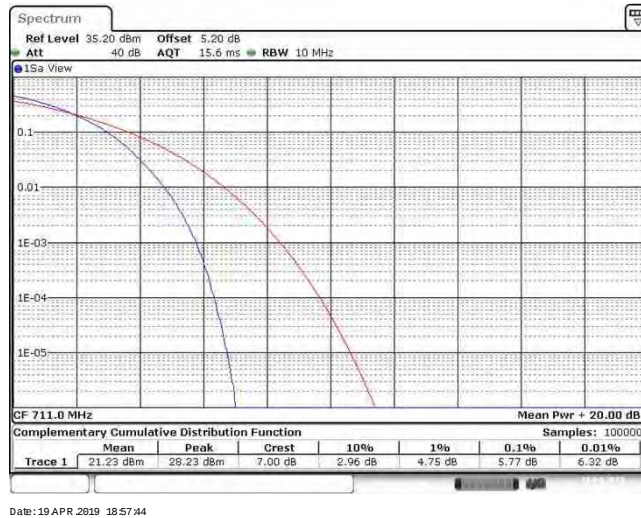
Date: 19 APR 2019 18:57:10

Band12\_10MHz\_64QAM\_23130\_50RB#0



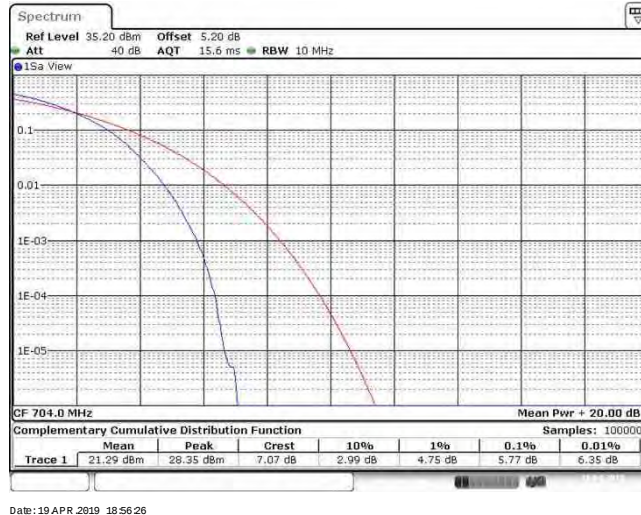
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Date: 19 APR 2019 18:57:44

Band12\_10MHz\_16QAM\_23060\_50RB#0



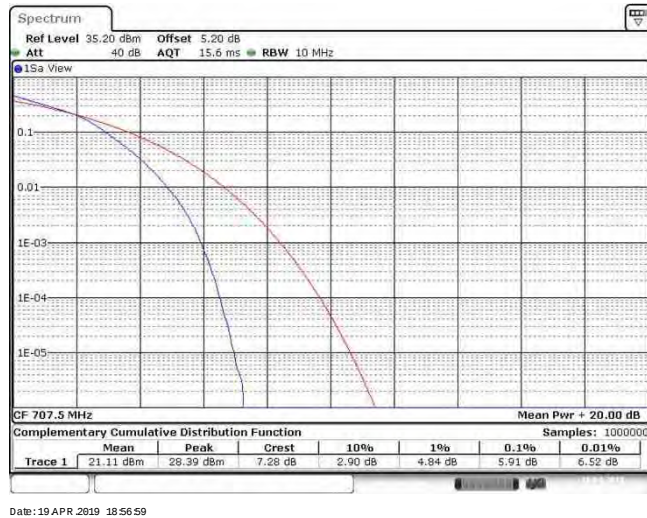
Date: 19 APR 2019 18:56:26

Band12\_10MHz\_16QAM\_23095\_50RB#0



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Band12\_10MHz\_16QAM\_23130\_50RB#0



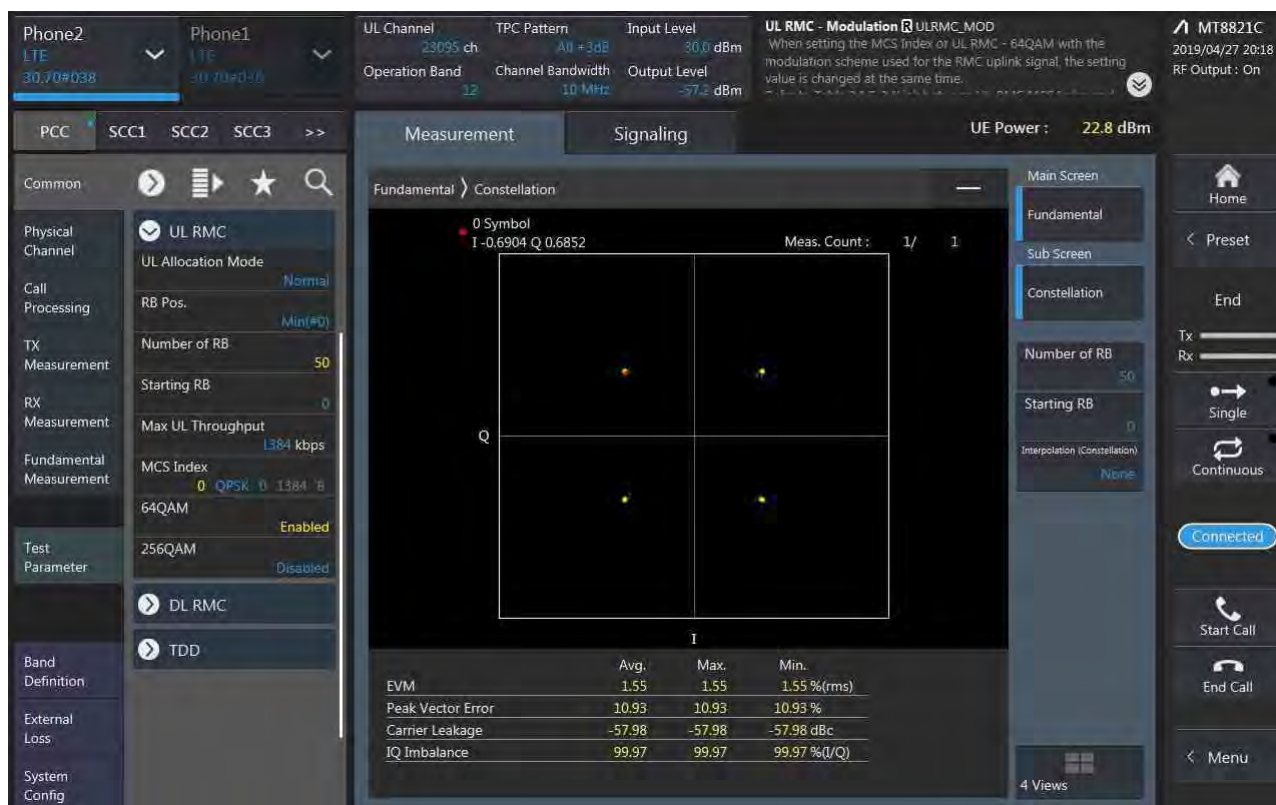


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 12

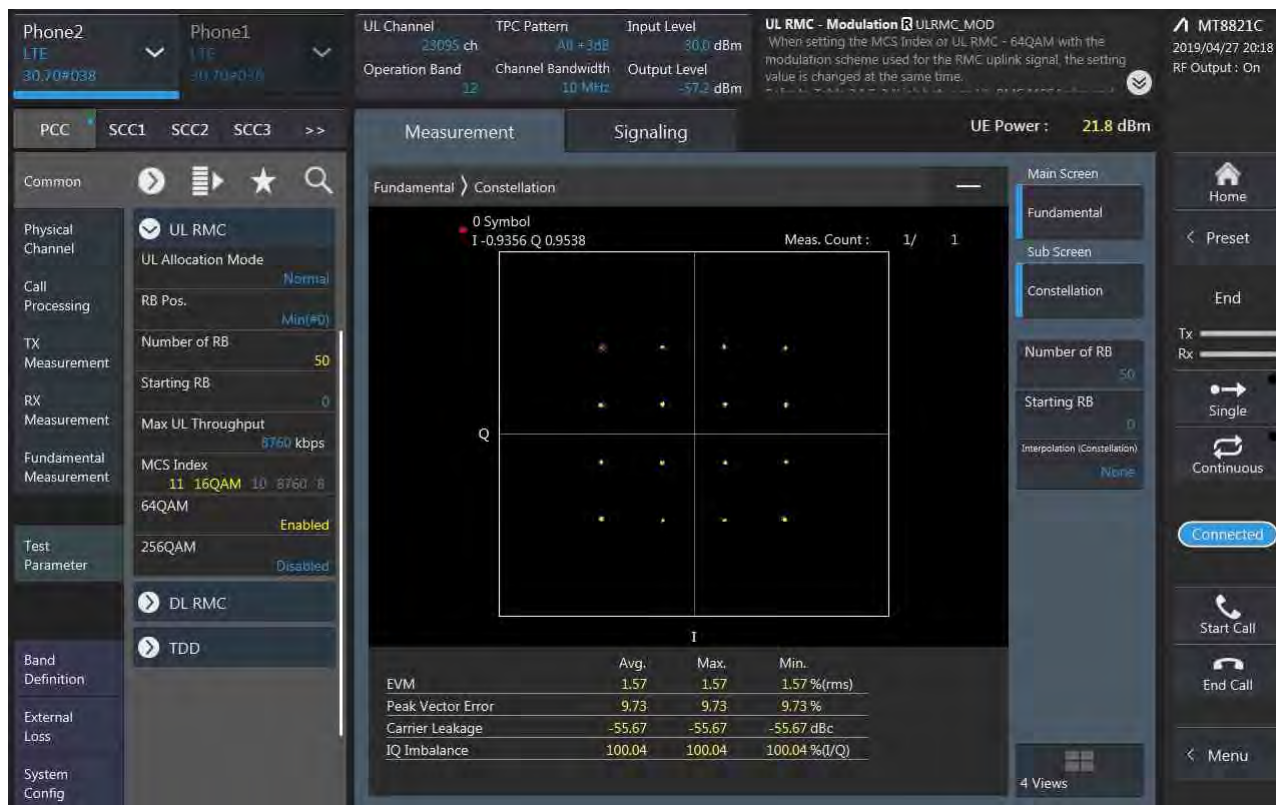
#### 3.2. Test Mode = LTE /TM1 10MHz

##### 3.2.1. Test Channel = MCH



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

#### 3.3.1. Test Channel = MCH



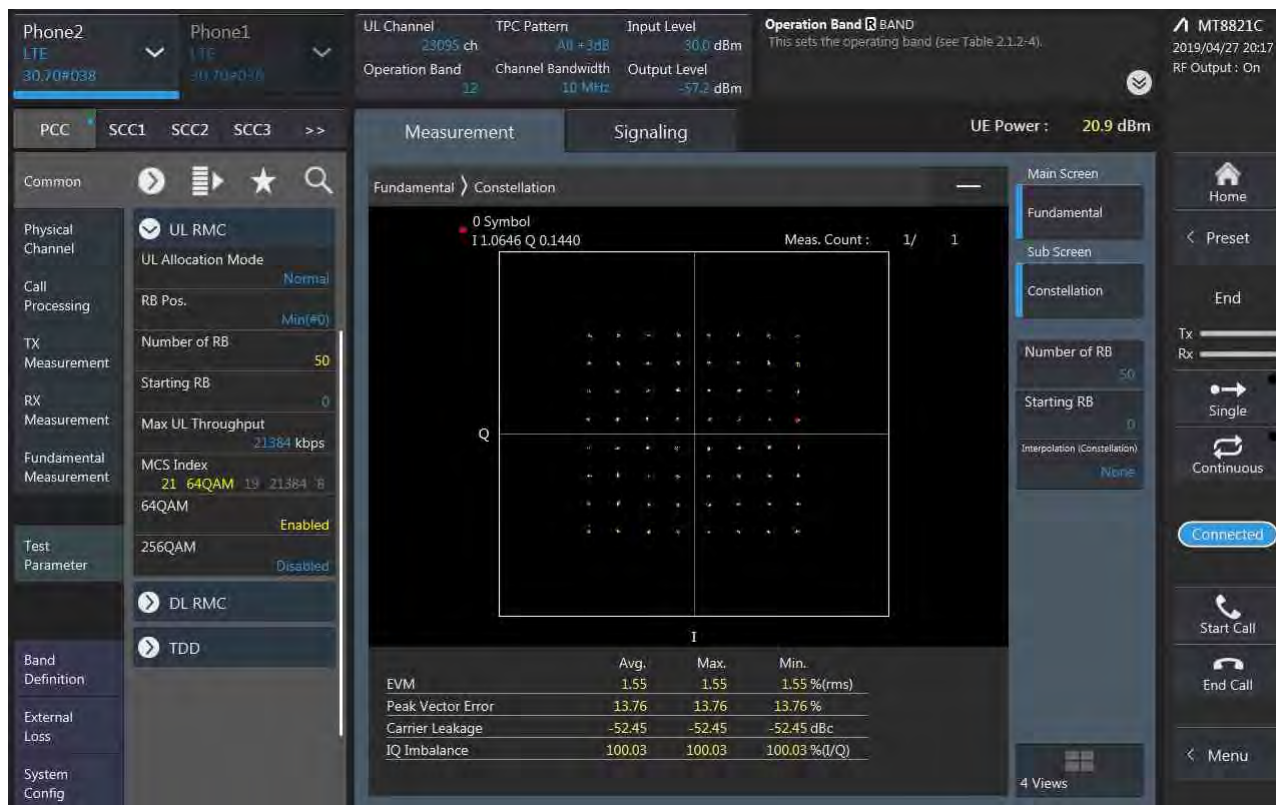
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### 3.4. Test Mode = LTE /TM3 10MHz

#### 3.4.1. 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            | 1.100                    | 1.245                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 6RB#0            | 1.097                    | 1.251                | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 6RB#0            | 1.103                    | 1.257                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23017   | 6RB#0            | 1.097                    | 1.245                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23095   | 6RB#0            | 1.097                    | 1.248                | PASS    |
| Band12 | 1.4MHz    | 64QAM      | 23173   | 6RB#0            | 1.097                    | 1.251                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23017   | 6RB#0            | 1.100                    | 1.251                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23095   | 6RB#0            | 1.100                    | 1.251                | PASS    |
| Band12 | 1.4MHz    | 16QAM      | 23173   | 6RB#0            | 1.103                    | 1.257                | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 15RB#0           | 2.691                    | 2.976                | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 15RB#0           | 2.697                    | 2.976                | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 15RB#0           | 2.697                    | 2.988                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23025   | 15RB#0           | 2.697                    | 2.970                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23095   | 15RB#0           | 2.709                    | 2.982                | PASS    |
| Band12 | 3MHz      | 64QAM      | 23165   | 15RB#0           | 2.697                    | 2.970                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23025   | 15RB#0           | 2.691                    | 2.964                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23095   | 15RB#0           | 2.697                    | 2.970                | PASS    |
| Band12 | 3MHz      | 16QAM      | 23165   | 15RB#0           | 2.691                    | 2.952                | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 25RB#0           | 4.466                    | 4.900                | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 25RB#0           | 4.476                    | 4.930                | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 25RB#0           | 4.456                    | 4.870                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23035   | 25RB#0           | 4.456                    | 4.890                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23095   | 25RB#0           | 4.476                    | 4.940                | PASS    |
| Band12 | 5MHz      | 64QAM      | 23155   | 25RB#0           | 4.456                    | 4.880                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23035   | 25RB#0           | 4.466                    | 4.910                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23095   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| Band12 | 5MHz      | 16QAM      | 23155   | 25RB#0           | 4.456                    | 4.890                | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 50RB#0           | 8.911                    | 9.740                | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 50RB#0           | 8.971                    | 9.900                | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| Band12 | 10MHz     | 64QAM      | 23060   | 50RB#0           | 8.911                    | 9.700                | PASS    |



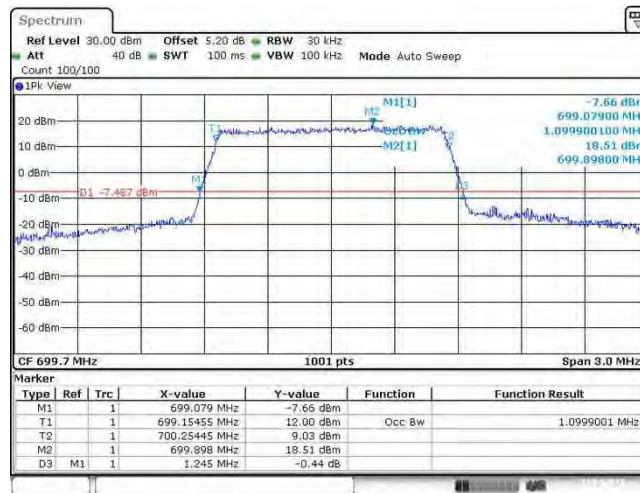
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|        |       |       |       |        |       |       |      |
|--------|-------|-------|-------|--------|-------|-------|------|
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | 8.971 | 9.840 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | 8.911 | 9.740 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 8.911 | 9.720 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 8.971 | 9.880 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 8.911 | 9.700 | PASS |

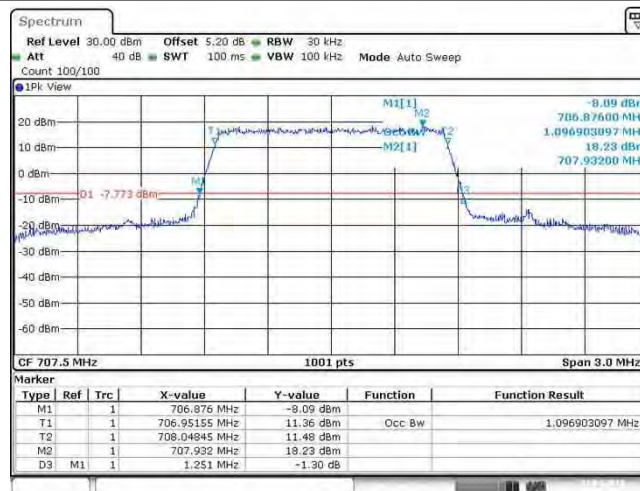
## 4.2. Test Plots

Band12\_1.4MHz\_QPSK\_23017\_6RB#0



Date: 19 APR 2019 19:48:55

Band12\_1.4MHz\_QPSK\_23095\_6RB#0



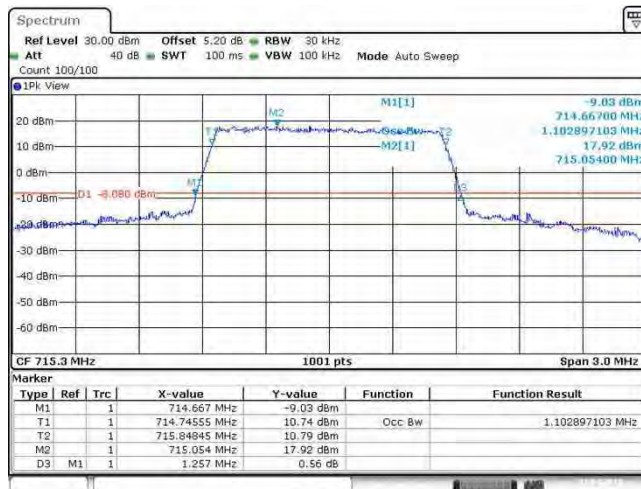
Date: 19 APR 2019 19:41:55

Band12\_1.4MHz\_QPSK\_23173\_6RB#0



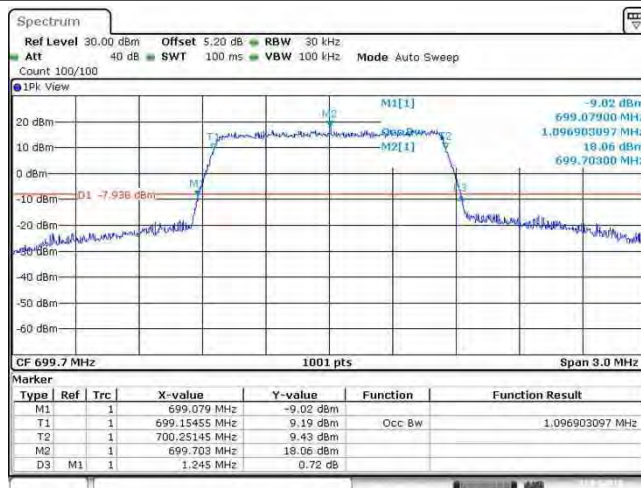
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Date: 19 APR 2019 19:42:54

## Band12\_1.4MHz\_64QAM\_23017\_6RB#0



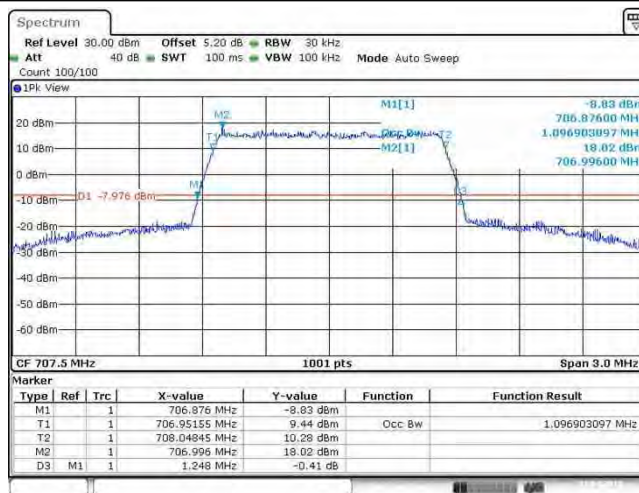
Date: 19 APR 2019 19:41:34

## Band12\_1.4MHz\_64QAM\_23095\_6RB#0



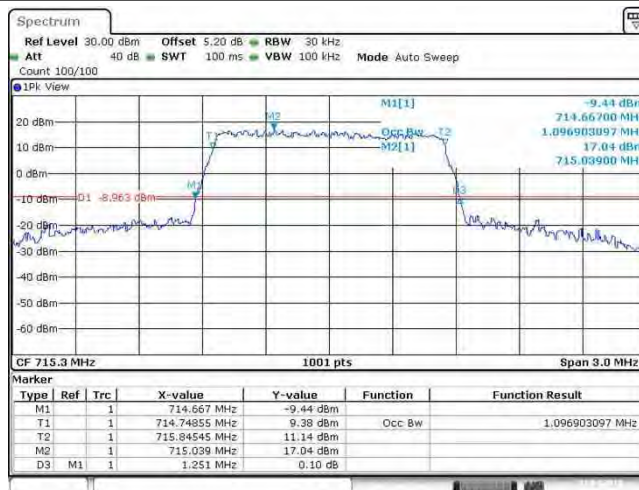
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Date: 19 APR 2019 19:42:34

## Band12\_1.4MHz\_64QAM\_23173\_6RB#0



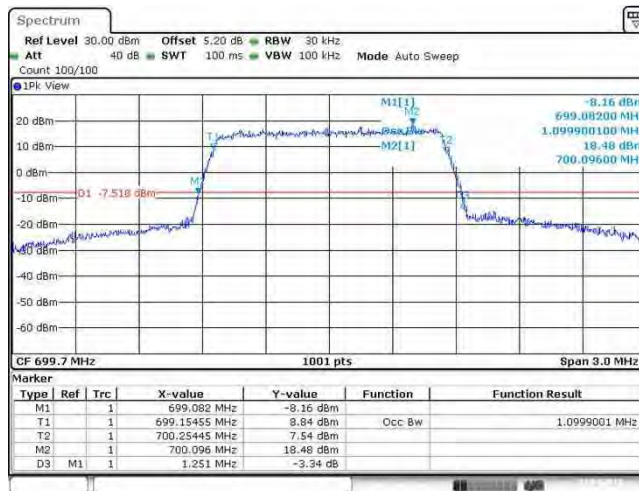
Date: 19 APR 2019 19:43:34

## Band12\_1.4MHz\_16QAM\_23017\_6RB#0



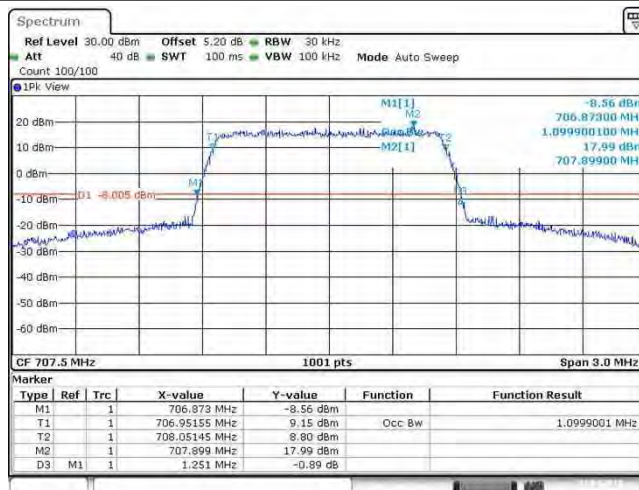
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Date: 19 APR 2019 19:14

## Band12\_1.4MHz\_16QAM\_23095\_6RB#0



Date: 19 APR 2019 19:42:14

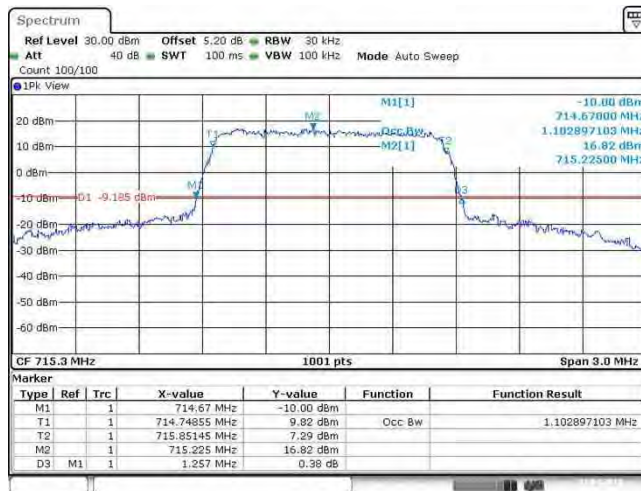
## Band12\_1.4MHz\_16QAM\_23173\_6RB#0



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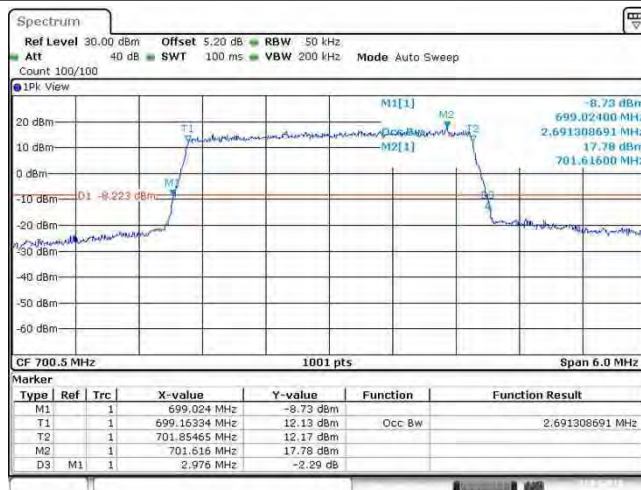
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Date: 19 APR 2019 19:43:14

## Band12\_3MHz\_QPSK\_23025\_15RB#0



Date: 19 APR 2019 19:43:56

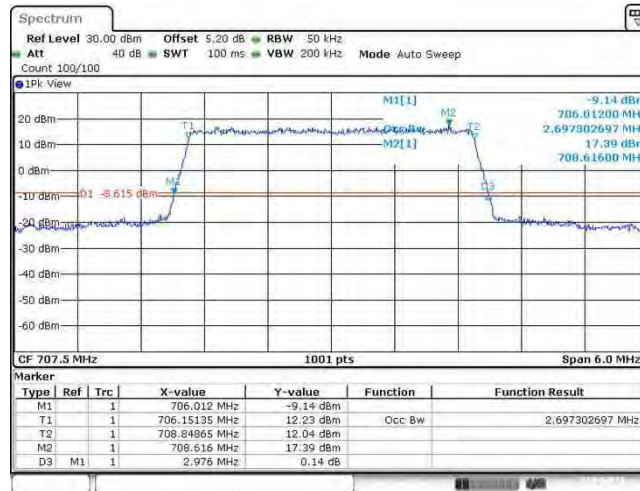
## Band12\_3MHz\_QPSK\_23095\_15RB#0



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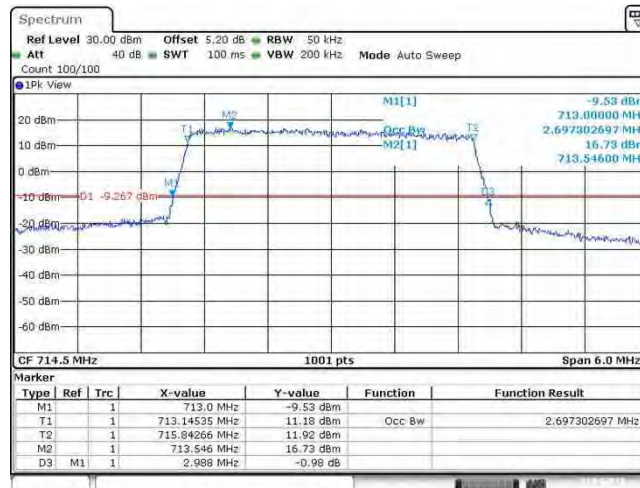
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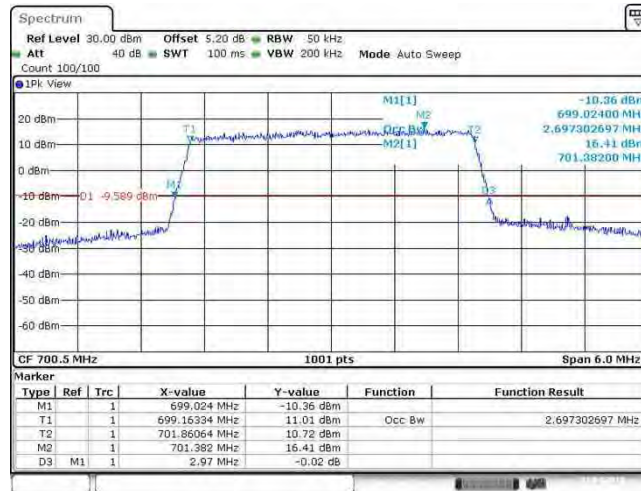
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Date: 19 APR 2019 19:45:56

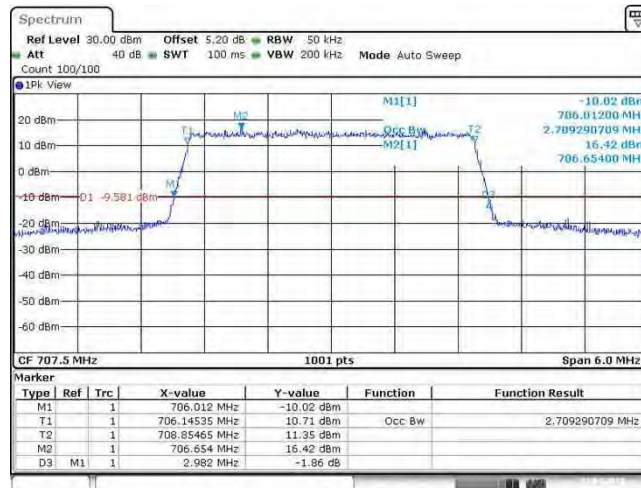
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Date: 19 APR 2019 19:44:36

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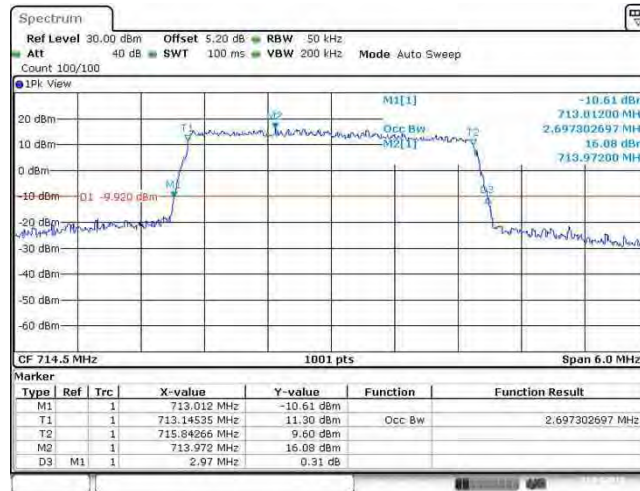
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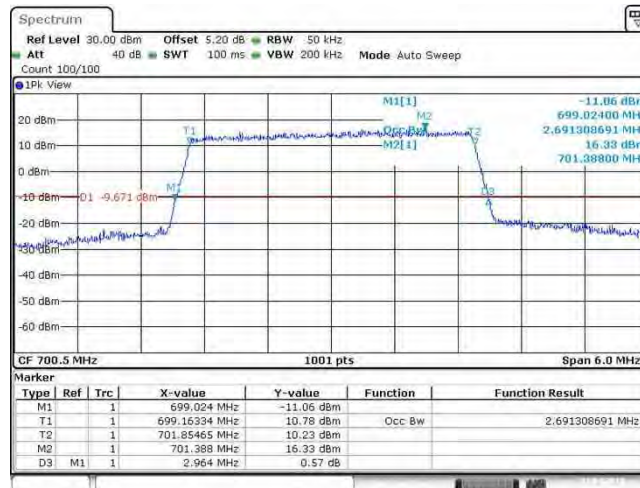
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## Band12\_3MHz\_16QAM\_23025\_15RB#0



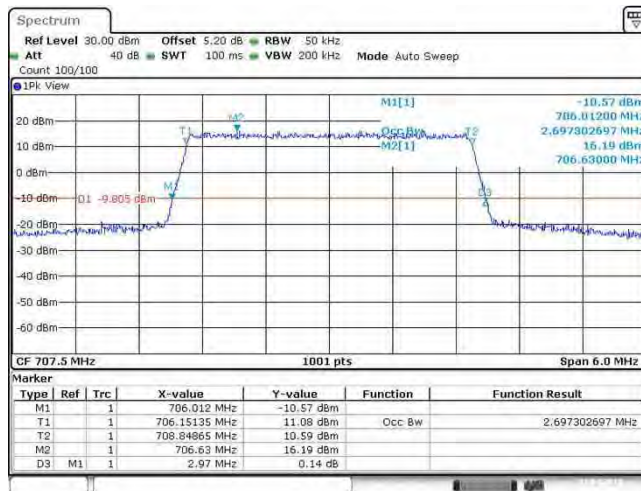
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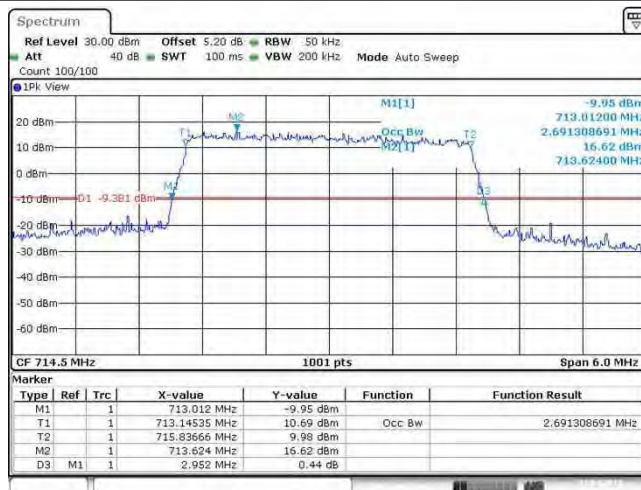
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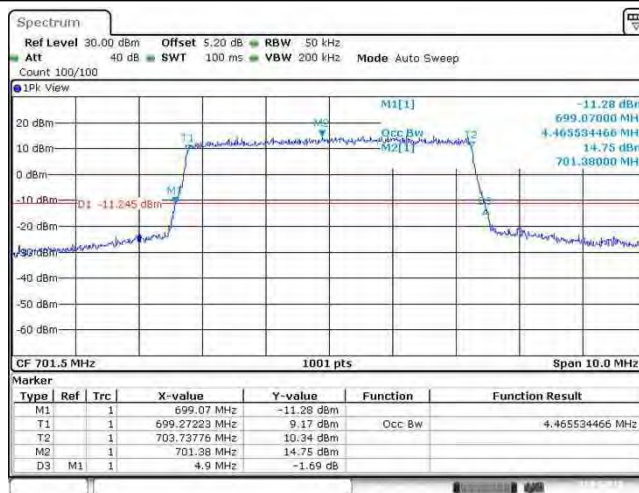
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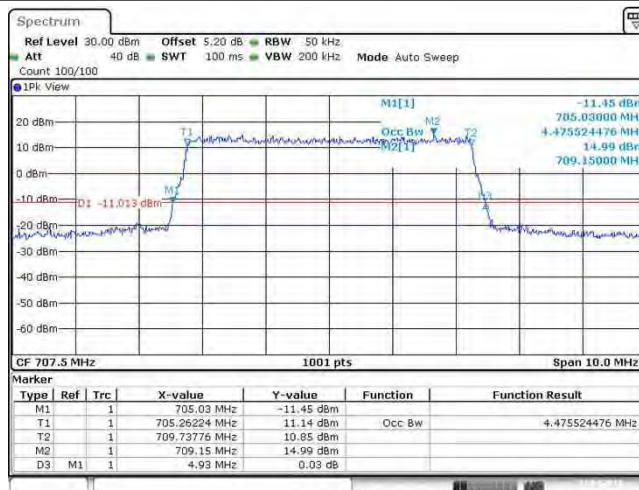
Date: 19 APR 2019 19:46:16

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Date: 19 APR 2019 19:46:57

Band12 5MHz QPSK 23095 25RB#0



Date: 19 APR 2019 19:47:56

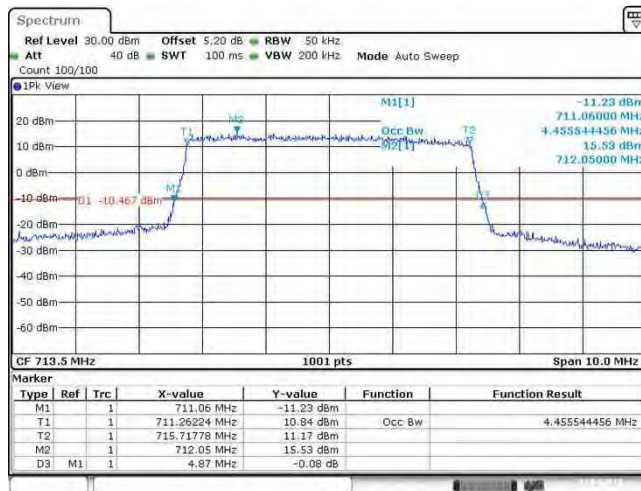
Band12 5MHz QPSK 23155 25RB#0



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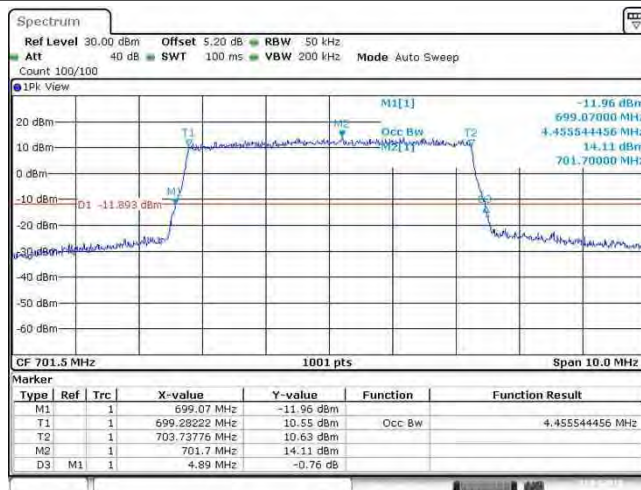
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Date: 19 APR 2019 19:48:57

## Band12\_5MHz\_64QAM\_23035\_25RB#0



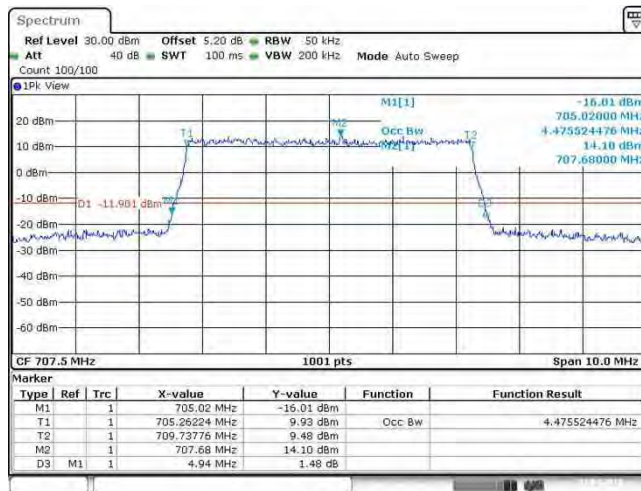
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## Band12\_5MHz\_64QAM\_23095\_25RB#0



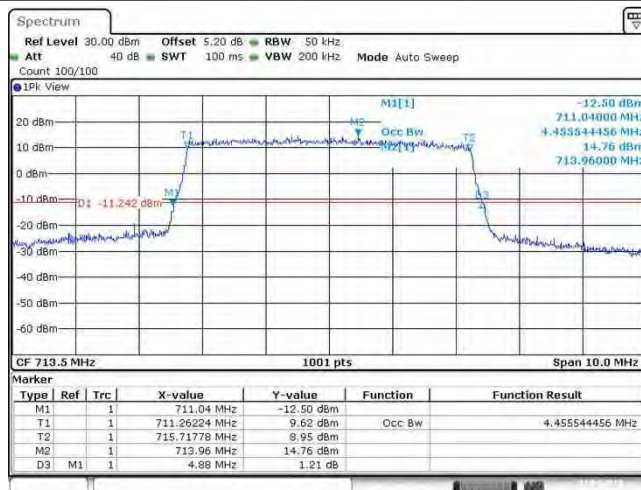
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Date: 19 APR 2019 19:48:36

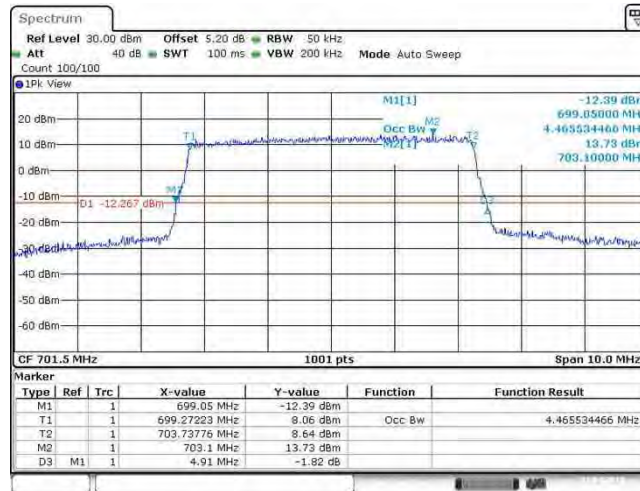
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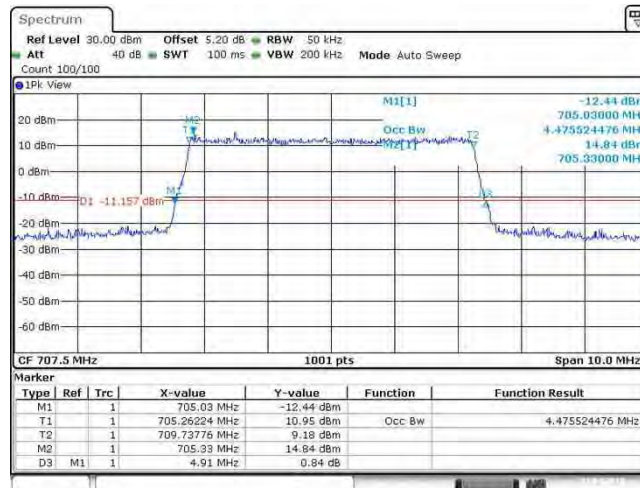
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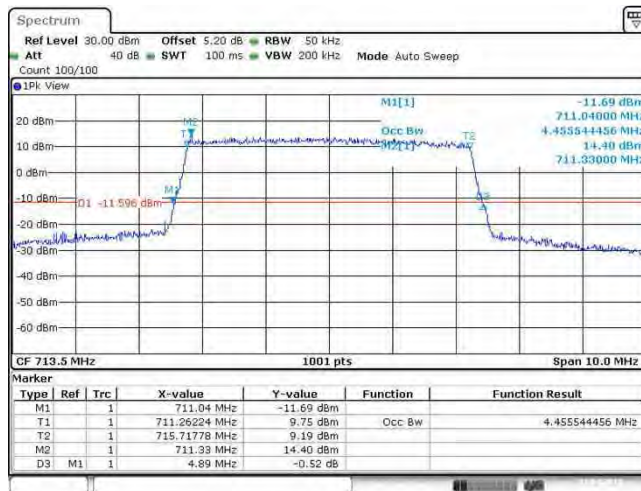
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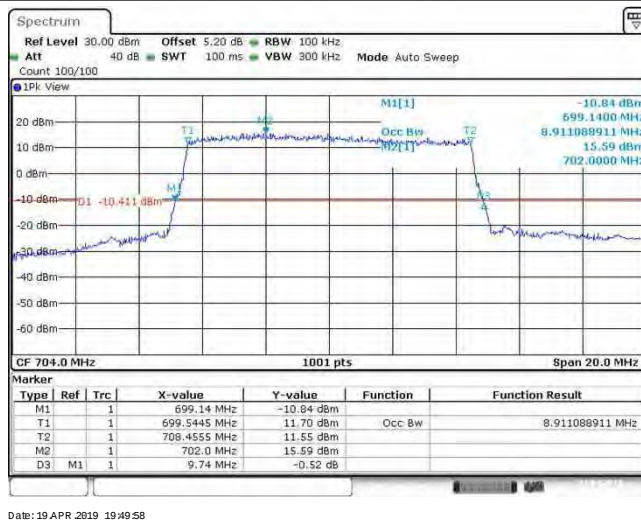
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## Band12\_5MHz\_16QAM\_23155\_25RB#0





## Band12\_10MHz\_QPSK\_23060\_50RB#0

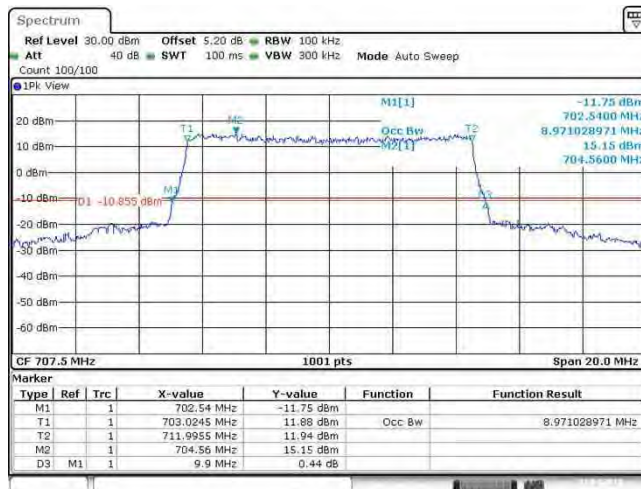


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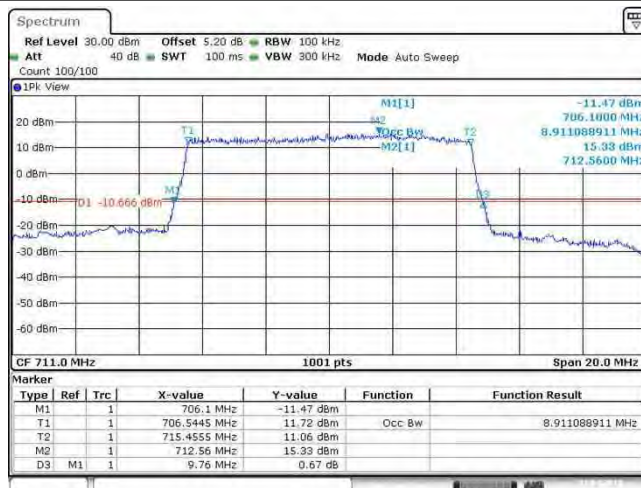
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Date: 19 APR 2019 19:58:58

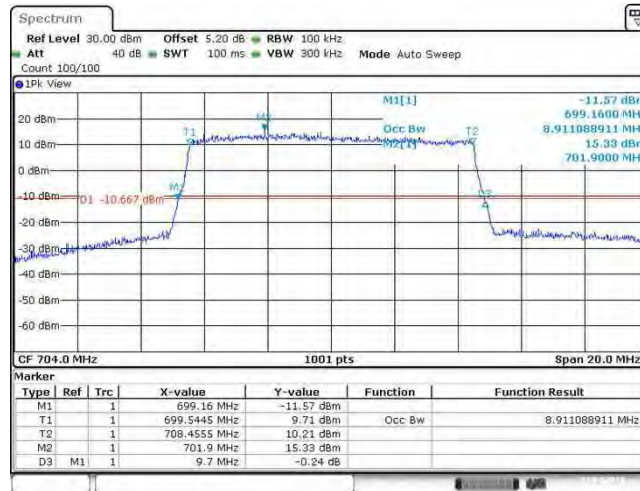
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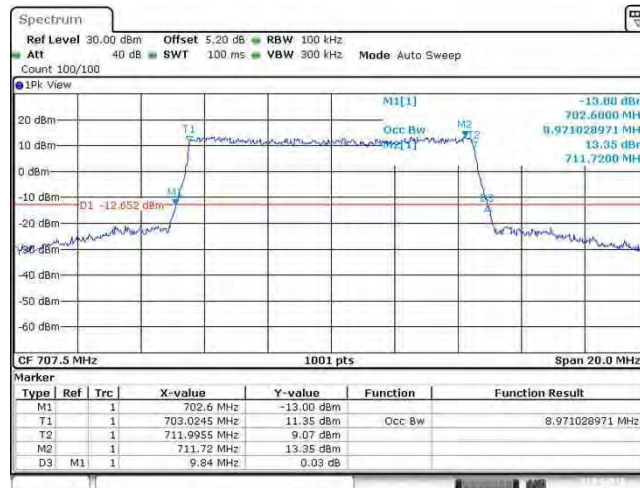
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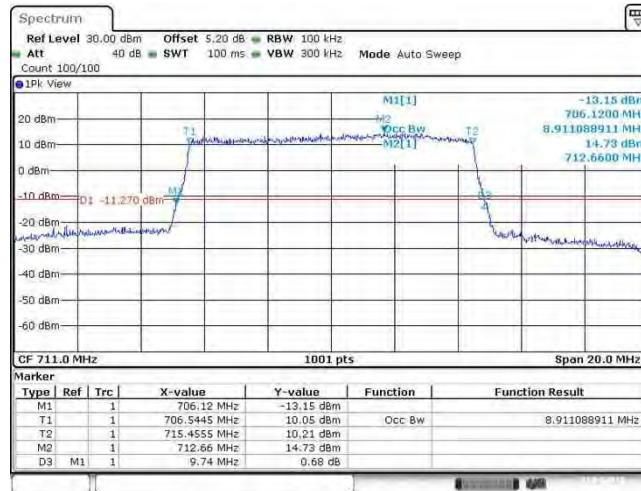
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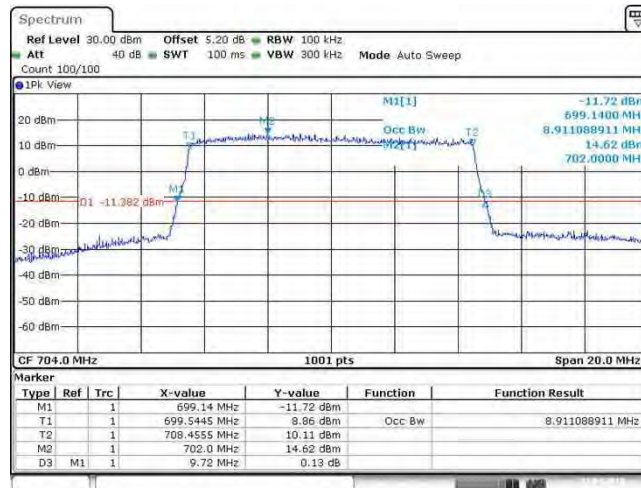
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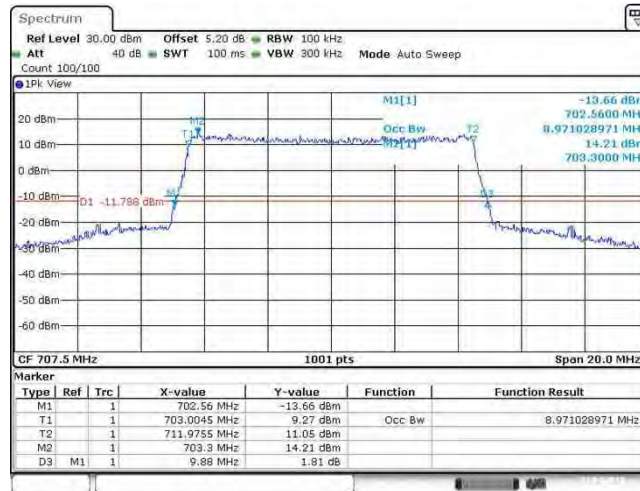
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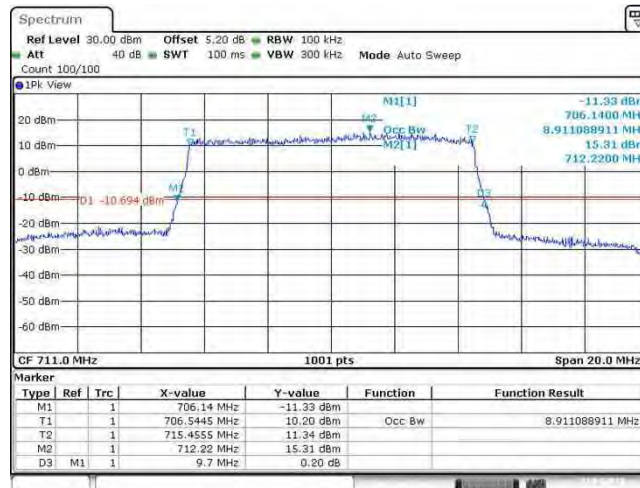
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Date: 19 APR 2019 19:51:17

## Band12\_10MHz\_16QAM\_23130\_50RB#0



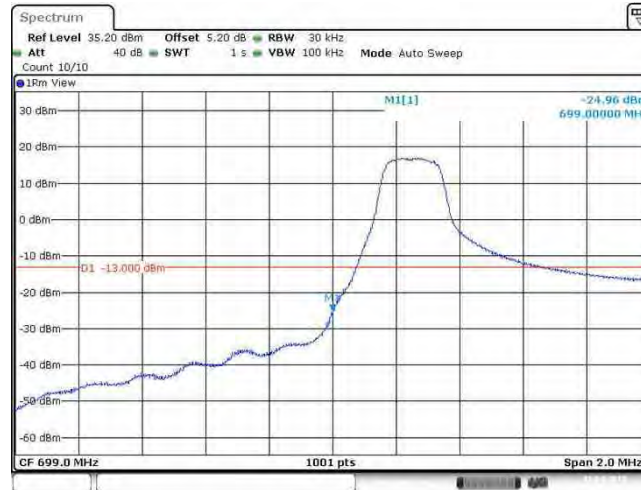
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## 5. Band Edge Compliance

### 5.1. Test Plots

Band12\_1.4MHz\_QPSK\_23017\_1RB#0



Band12\_1.4MHz\_QPSK\_23017\_6RB#0



Band12\_1.4MHz\_QPSK\_23173\_1RB#5



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Date: 19 APR 2019 19:54:57

Band12\_1.4MHz\_QPSK\_23173\_6RB#0



Date: 19 APR 2019 19:55:54

Band12\_1.4MHz\_64QAM\_23017\_1RB#0



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Date: 19 APR 2019 19:53:38

Band12\_1.4MHz\_64QAM\_23017\_6RB#0



Date: 19 APR 2019 19:54:36

Band12\_1.4MHz\_64QAM\_23173\_1RB#5



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Band12\_1.4MHz\_64QAM\_23173\_6RB#0



Band12\_1.4MHz\_16QAM\_23017\_1RB#0



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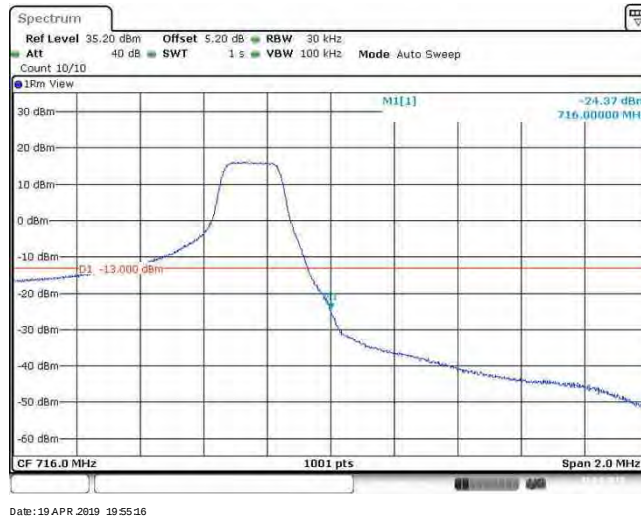


Band12\_1.4MHz\_16QAM\_23173\_1RB#5



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Band12\_1.4MHz\_16QAM\_23173\_6RB#0



Band12\_3MHz\_QPSK\_23025\_1RB#0



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Date: 19 APR 2019 19:56:54

Band12\_3MHz\_QPSK\_23025\_15RB#0



Date: 19 APR 2019 19:57:52

Band12\_3MHz\_QPSK\_23165\_1RB#14



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Date: 19 APR 2019 19:58:52

### Band12\_3MHz\_QPSK\_23165\_15RB#0



Date: 19 APR 2019 19:59:50

### Band12\_3MHz\_64QAM\_23025\_1RB#0





Date: 19 APR 2019 19:57:33

Band12\_3MHz\_64QAM\_23025\_15RB#0



Date: 19 APR 2019 19:58:31

Band12\_3MHz\_64QAM\_23165\_1RB#14





Band12\_3MHz\_64QAM\_23165\_15RB#0



Band12\_3MHz\_16QAM\_23025\_1RB#0



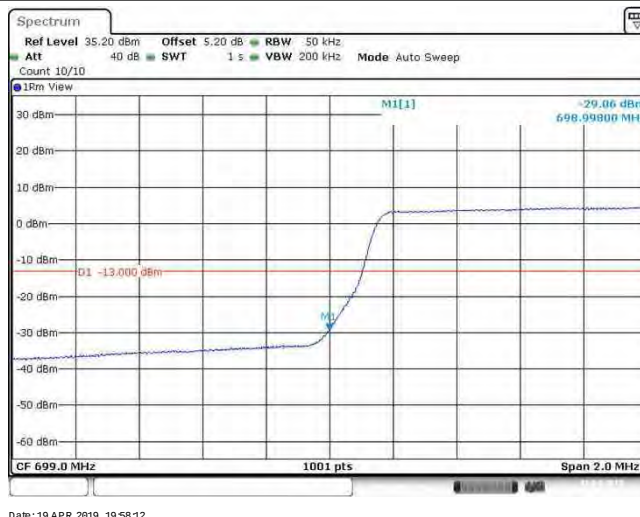
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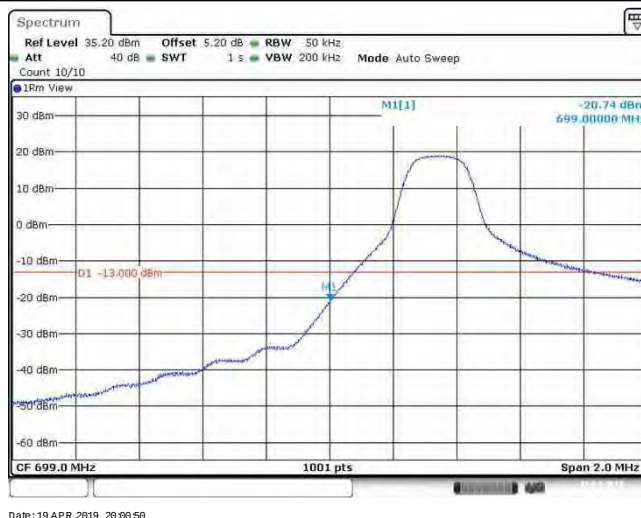


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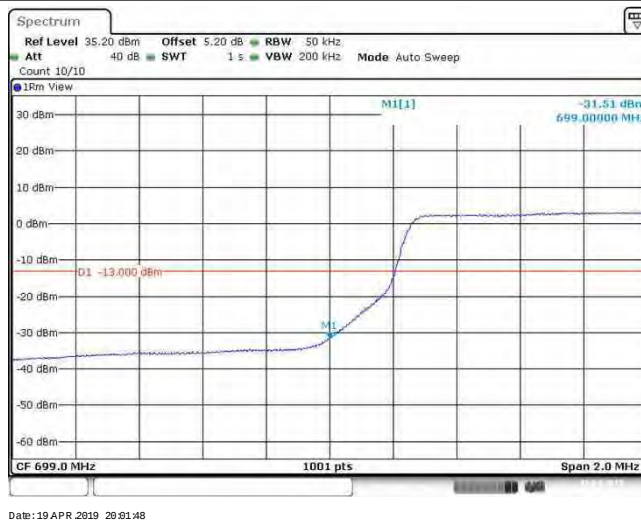


Band12\_5MHz\_QPSK\_23035\_1RB#0





Band12\_5MHz\_QPSK\_23035\_25RB#0



Band12\_5MHz\_QPSK\_23155\_1RB#24





Band12\_5MHz\_QPSK\_23155\_25RB#0



Band12\_5MHz\_64QAM\_23035\_1RB#0

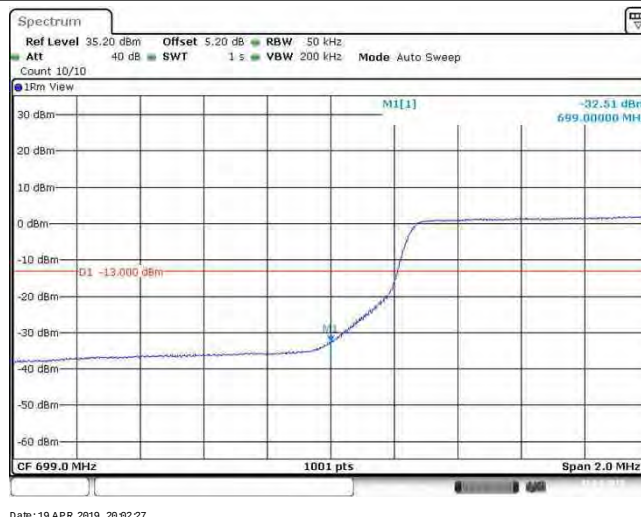


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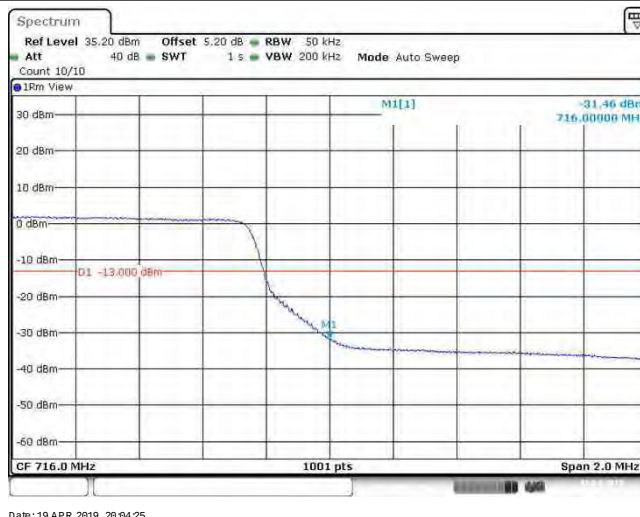


Band12\_5MHz\_64QAM\_23155\_1RB#24





Band12\_5MHz\_64QAM\_23155\_25RB#0



Band12\_5MHz\_16QAM\_23035\_1RB#0

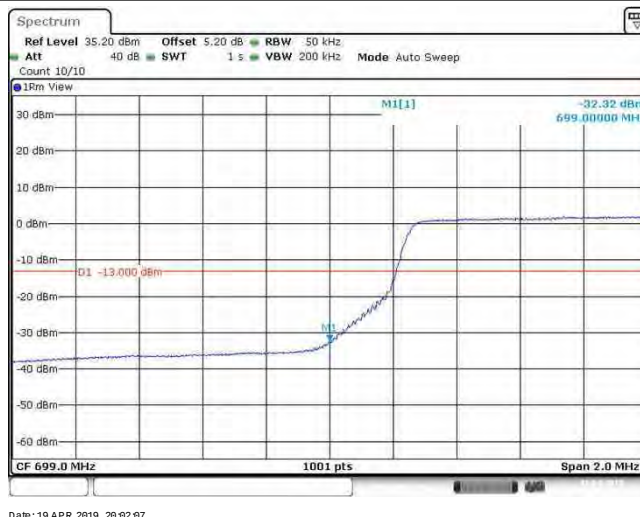


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Band12\_5MHz\_16QAM\_23035\_25RB#0



Band12\_5MHz\_16QAM\_23155\_1RB#24



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Date: 19 APR 2019 20:03:07

Band12\_5MHz\_16QAM\_23155\_25RB#0



Date: 19 APR 2019 20:04:05

Band12\_10MHz\_QPSK\_23060\_1RB#0

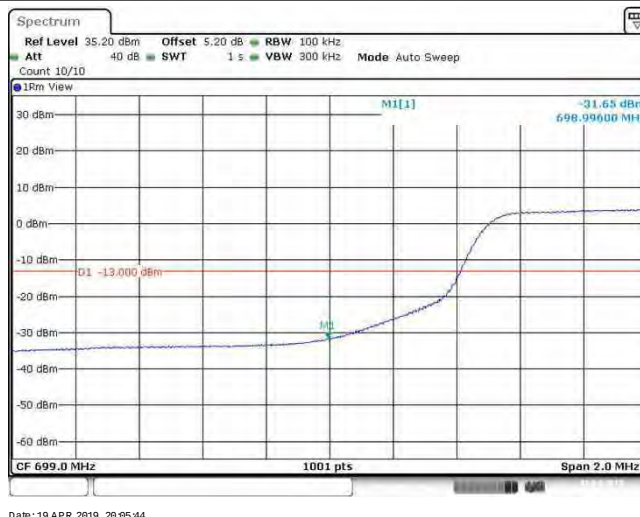


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Band12\_10MHz\_QPSK\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_1RB#49





Band12\_10MHz\_QPSK\_23130\_50RB#0



Band12\_10MHz\_64QAM\_23060\_1RB#0



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Date: 19 APR 2019 20:05:25

### Band12\_10MHz\_64QAM\_23060\_50RB#0



Date: 19 APR 2019 20:06:23

### Band12\_10MHz\_64QAM\_23130\_1RB#49





Band12\_10MHz\_64QAM\_23130\_50RB#0

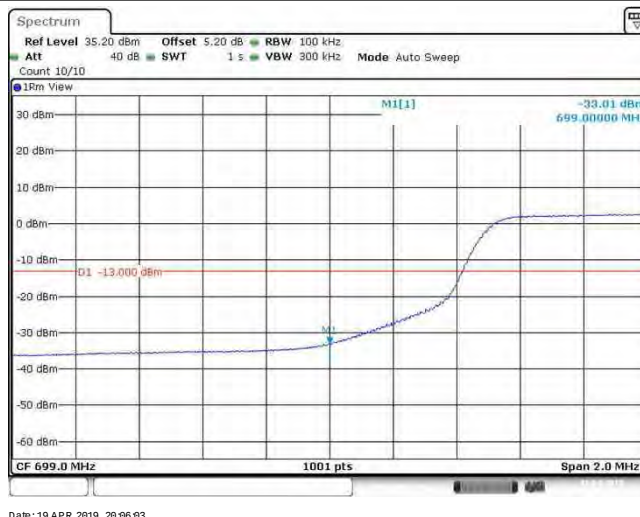


Band12\_10MHz\_16QAM\_23060\_1RB#0





Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_16QAM\_23130\_1RB#49



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Date: 19 APR 2019 20:57:54

### Band12\_10MHz\_16QAM\_23130\_50RB#0



Date: 19 APR 2019 20:58:52



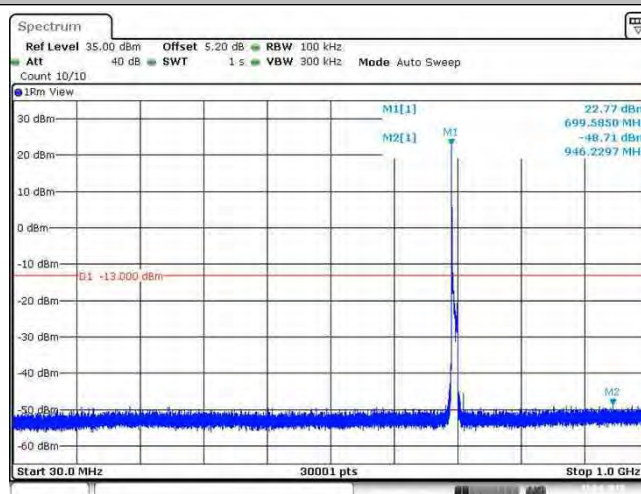
## 6. Spurious Emission at Antenna Terminal

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.

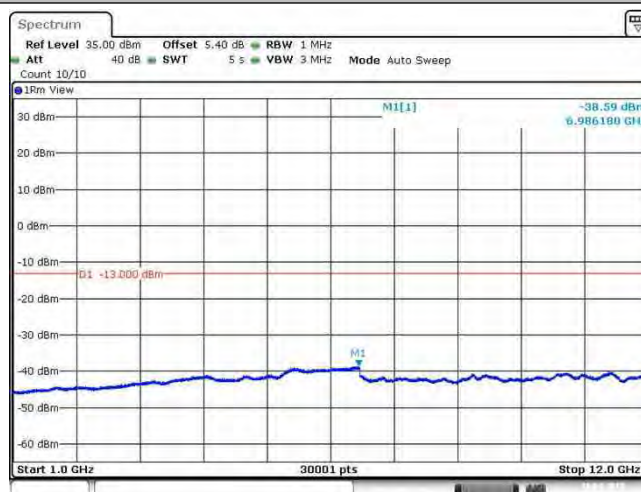
### 6.1. Test Plots

Band12\_10MHz\_QPSK\_23060\_1RB#0



Date: 19 APR 2019 20:08:43

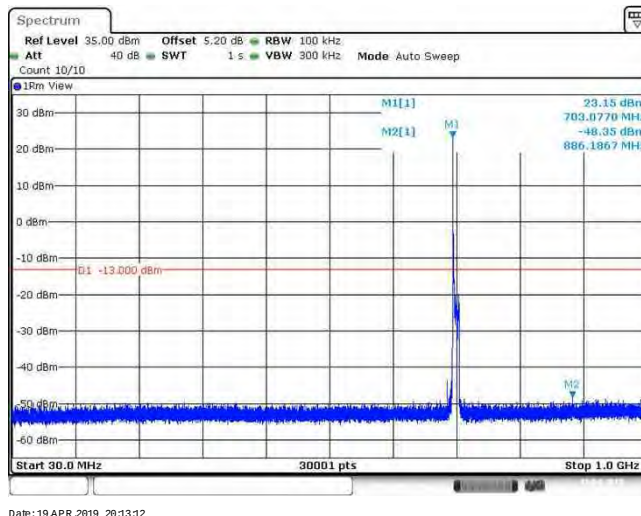
Band12\_10MHz\_QPSK\_23060\_1RB#0



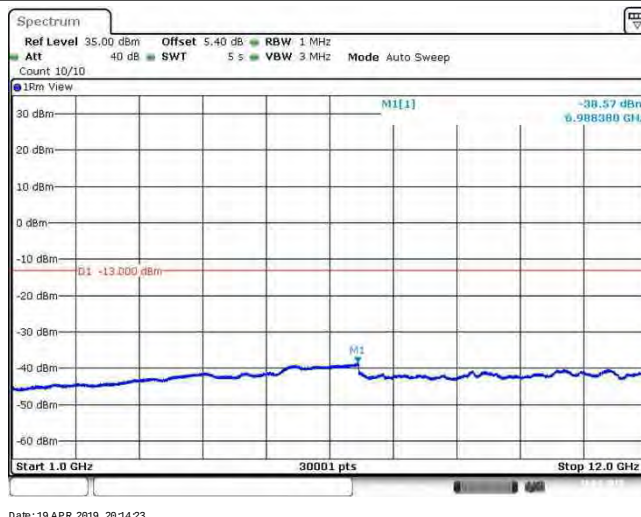
Date: 19 APR 2019 20:09:53

Band12\_10MHz\_QPSK\_23095\_1RB#0





Band12\_10MHz\_QPSK\_23095\_1RB#0

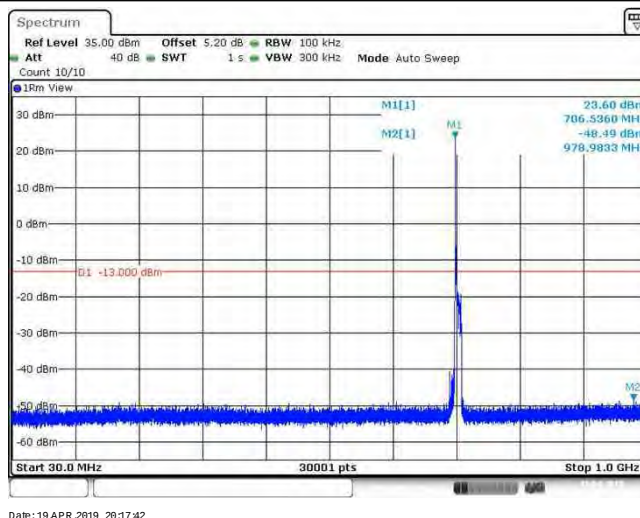


Band12\_10MHz\_QPSK\_23130\_1RB#0

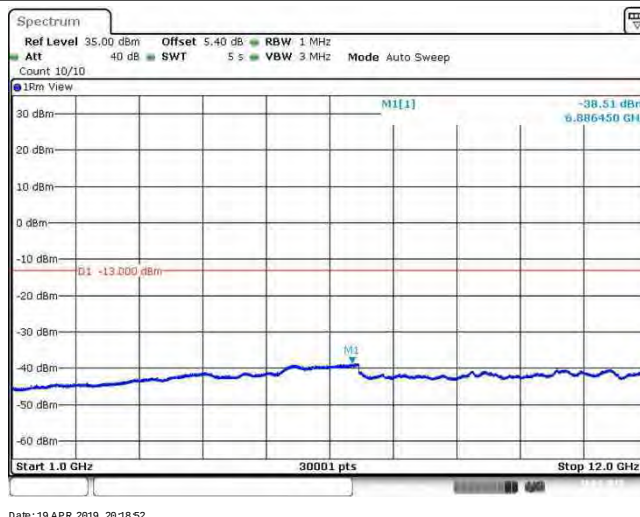


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Band12\_10MHz\_QPSK\_23130\_1RB#0



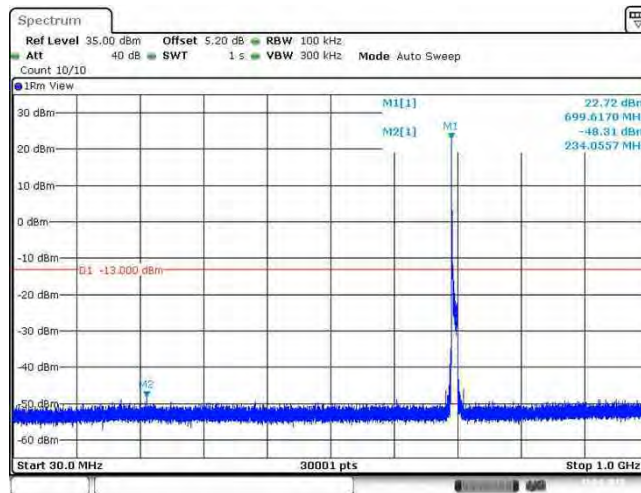
Band12\_10MHz\_64QAM\_23060\_1RB#0



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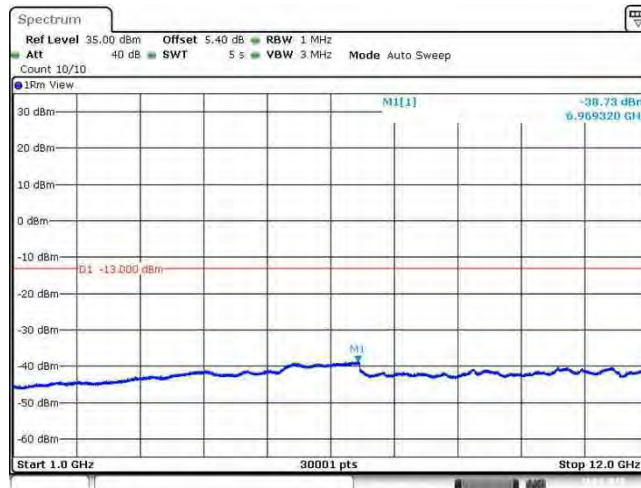
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Date: 19 APR 2019 20:11:42

Band12\_10MHz\_64QAM\_23060\_1RB#0



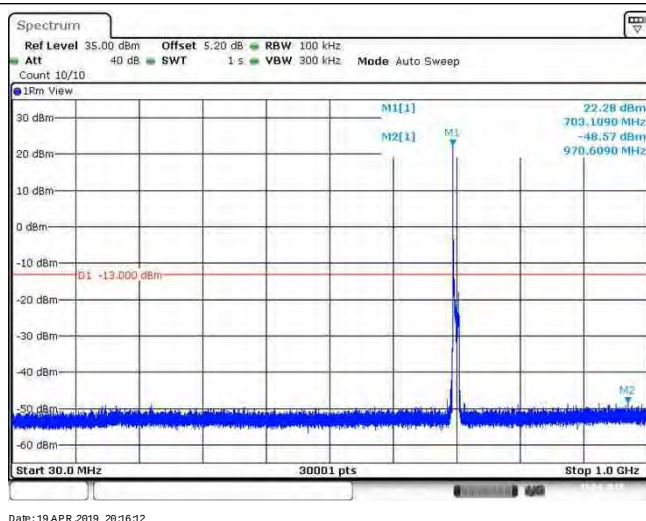
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Band12\_10MHz\_64QAM\_23095\_1RB#0

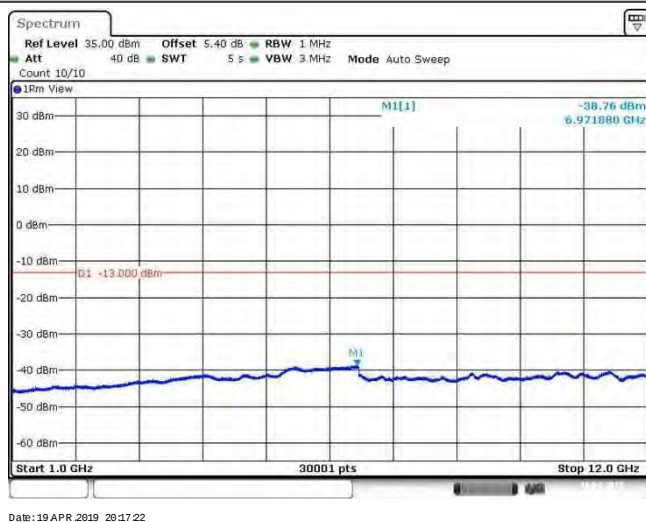


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|        |       |       |       |       |
|--------|-------|-------|-------|-------|
| Band12 | 10MHz | 64QAM | 23095 | 1RB#0 |
|--------|-------|-------|-------|-------|



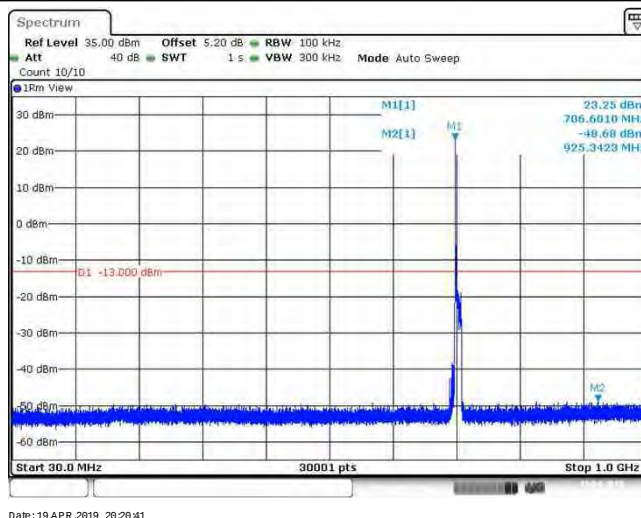
Band12\_10MHz\_64QAM\_23130\_1RB#0



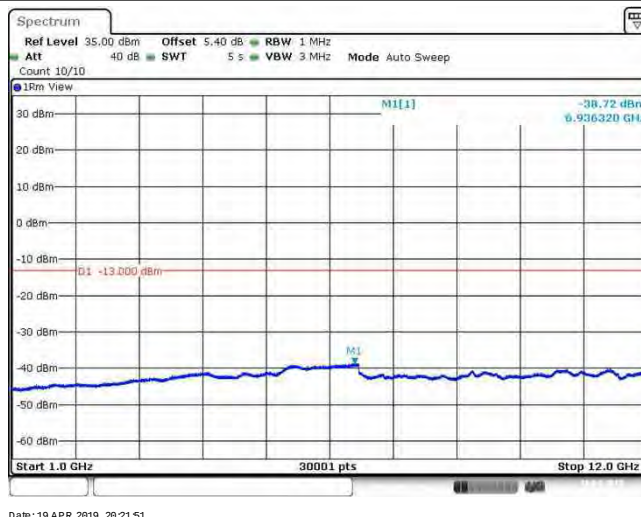
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Band12\_10MHz\_64QAM\_23130\_1RB#0

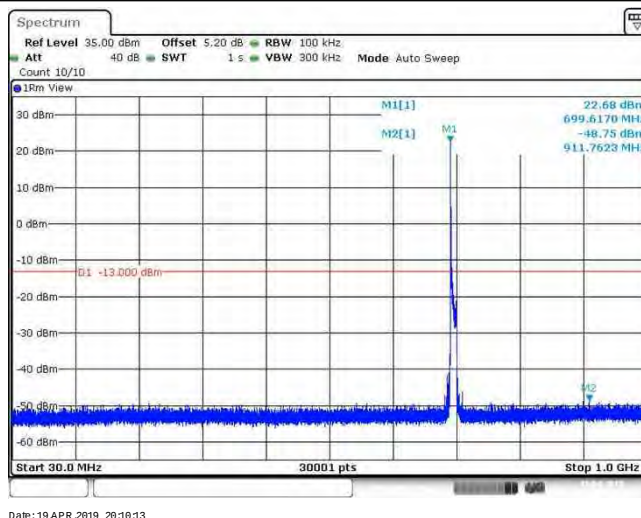


Band12\_10MHz\_16QAM\_23060\_1RB#0

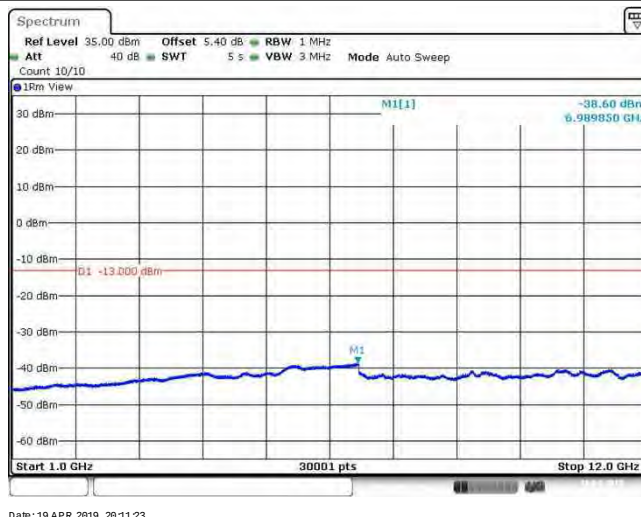


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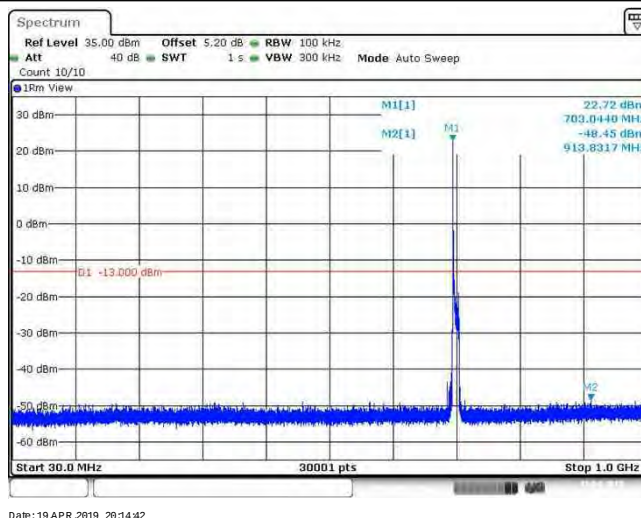


Band12\_10MHz\_16QAM\_23060\_1RB#0

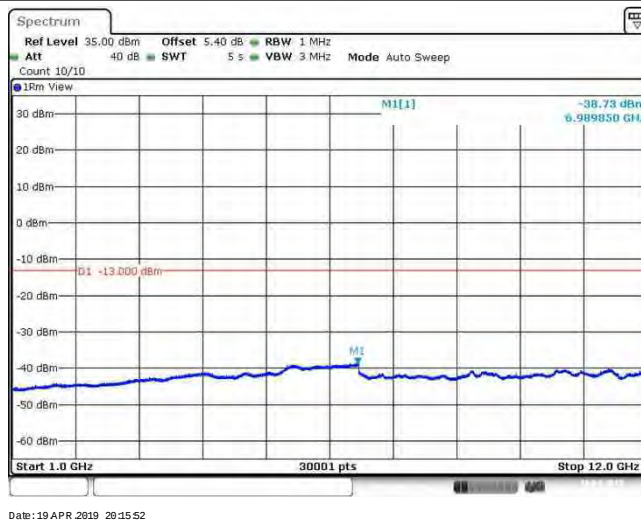


Band12\_10MHz\_16QAM\_23095\_1RB#0



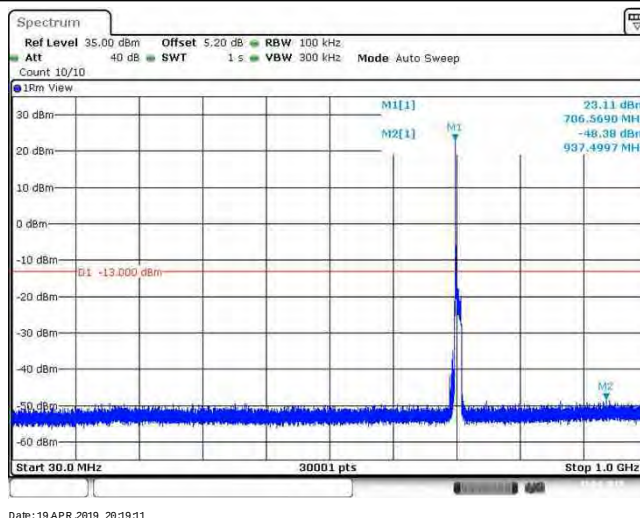


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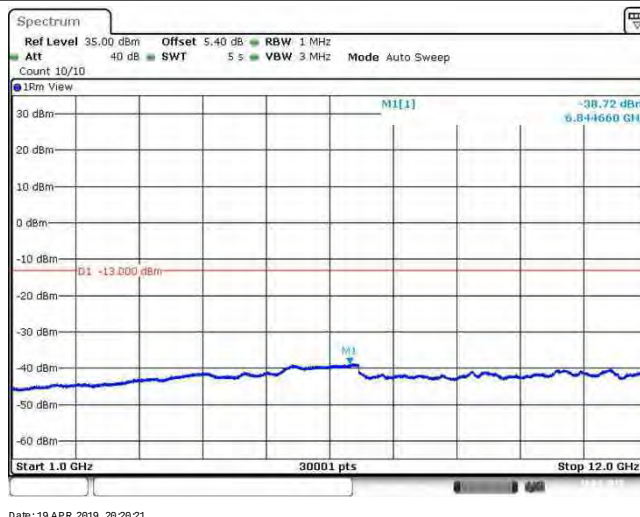


Band12\_10MHz\_16QAM\_23130\_1RB#0





Band12\_10MHz\_16QAM\_23130\_1RB#0



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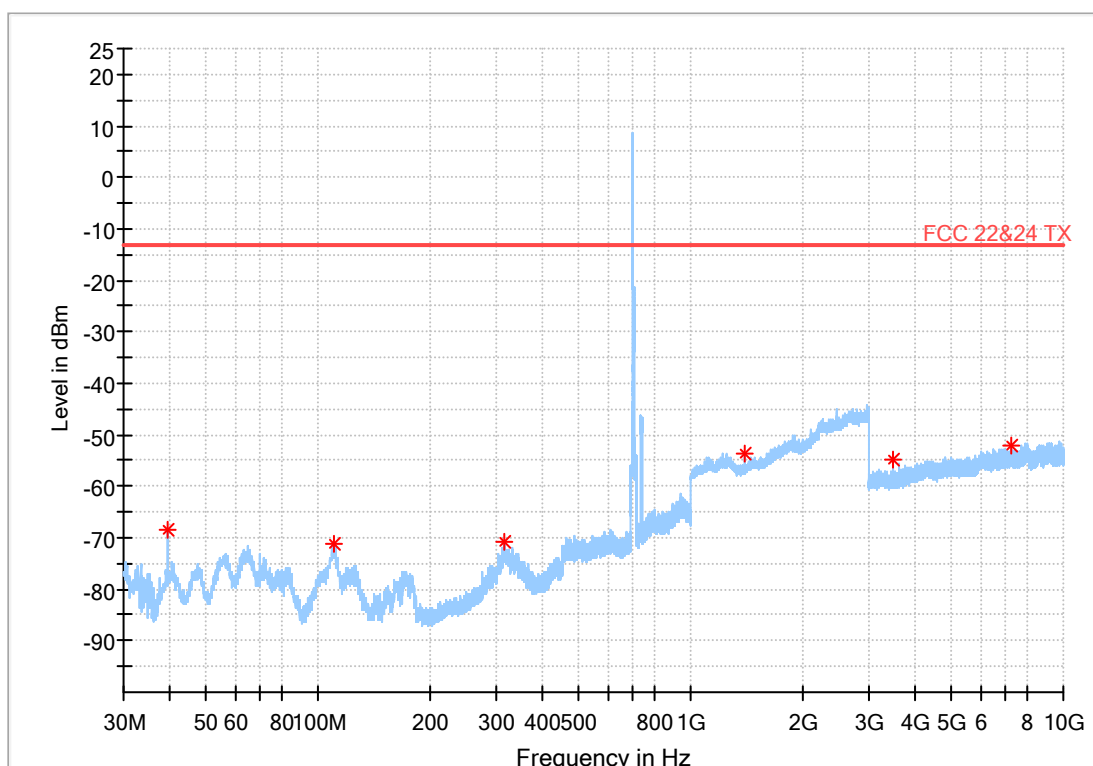
## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE Band 12

#### 7.1.1. Test Mode = LTE/TM1(Down Ant)

##### 7.1.1.1. Test Channel = LCH\_Vertical

Full Spectrum



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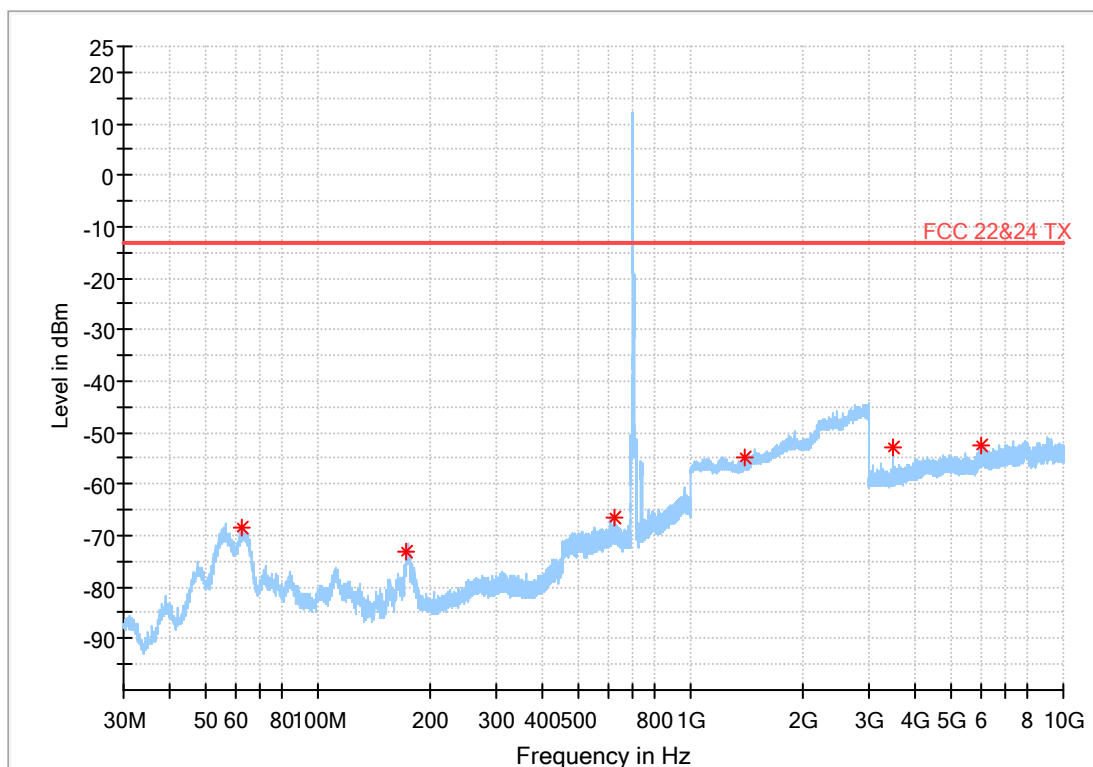
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### 7.1.1.2. Test Channel = LCH\_Horizontal

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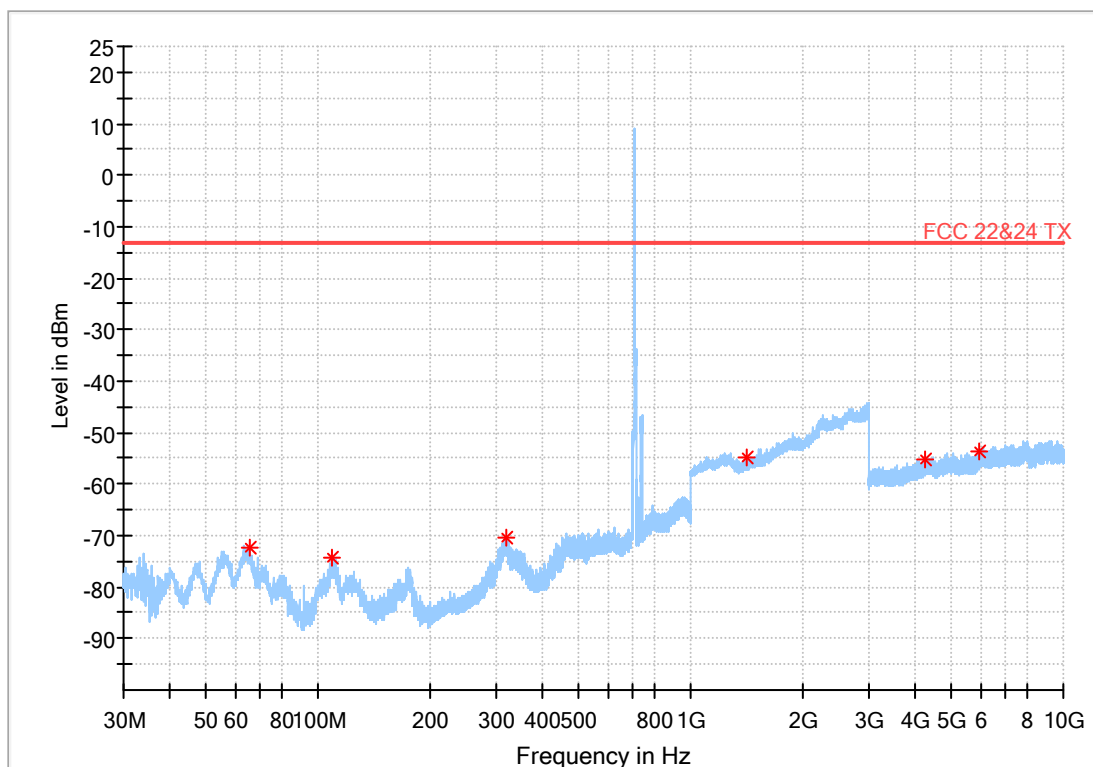
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### 7.1.1.3. Test Channel = MCH\_ Vertical

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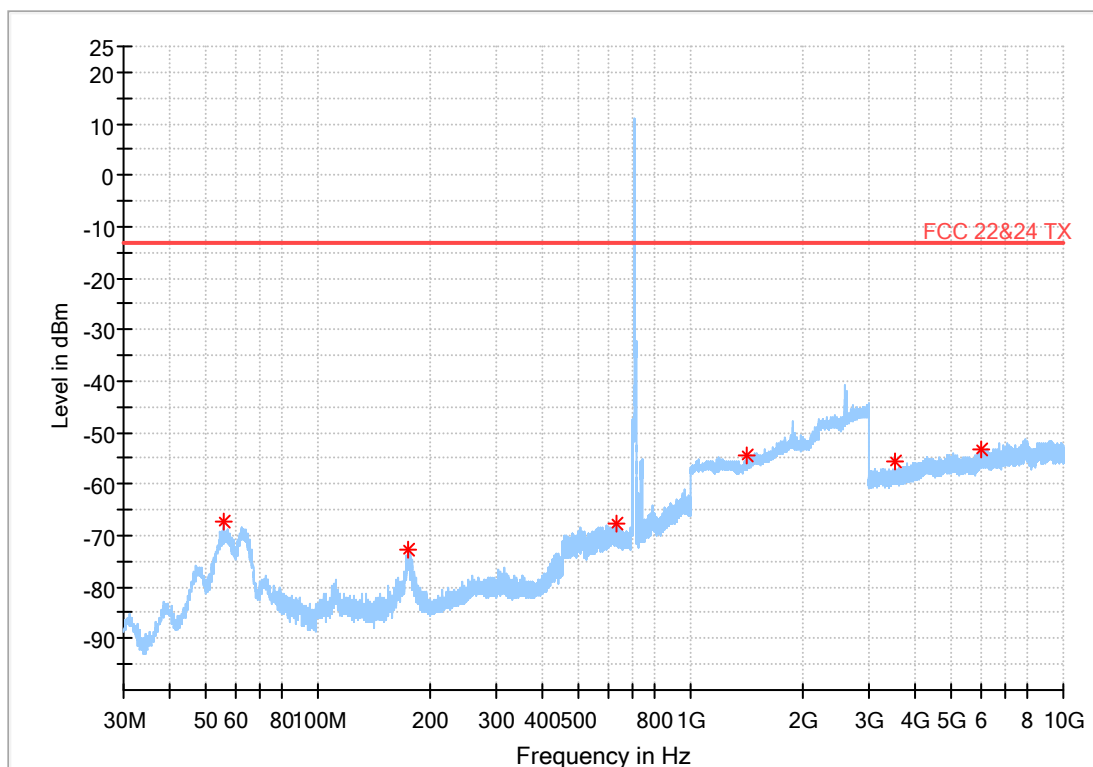
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#### 7.1.1.4. Test Channel = MCH\_ Horizontal

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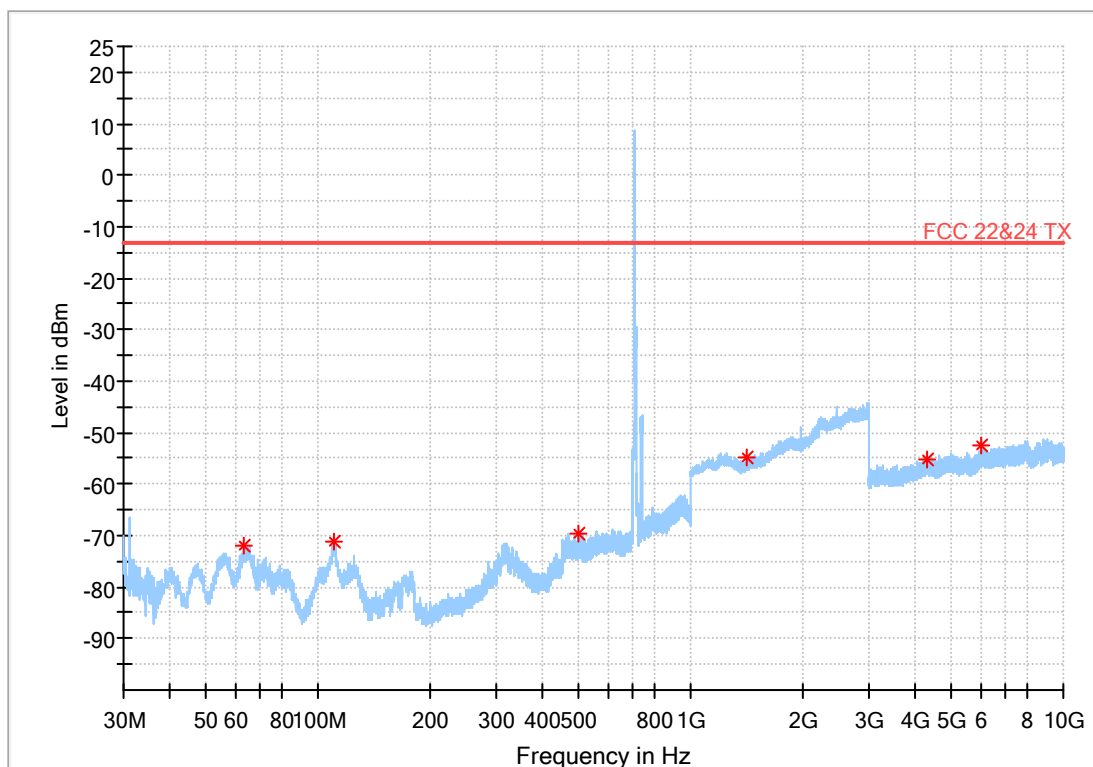
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### 7.1.1.5. Test Channel = HCH\_Vertical

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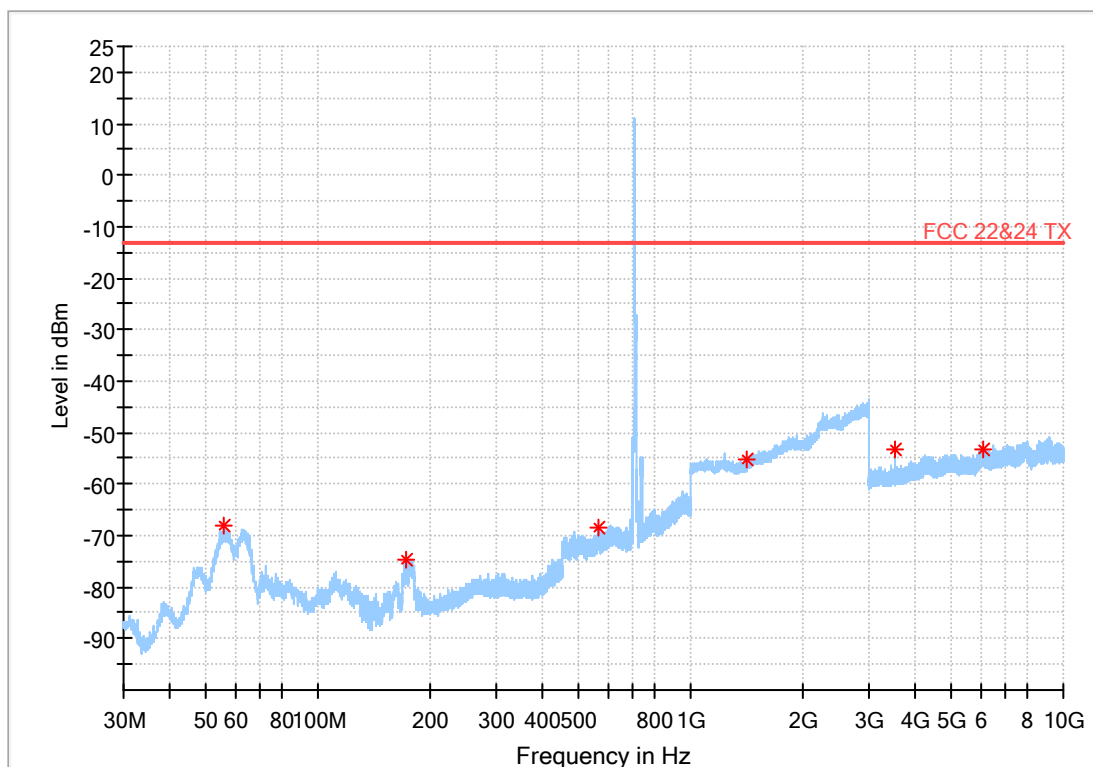
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### 7.1.1.6. Test Channel = HCH\_Horizontal

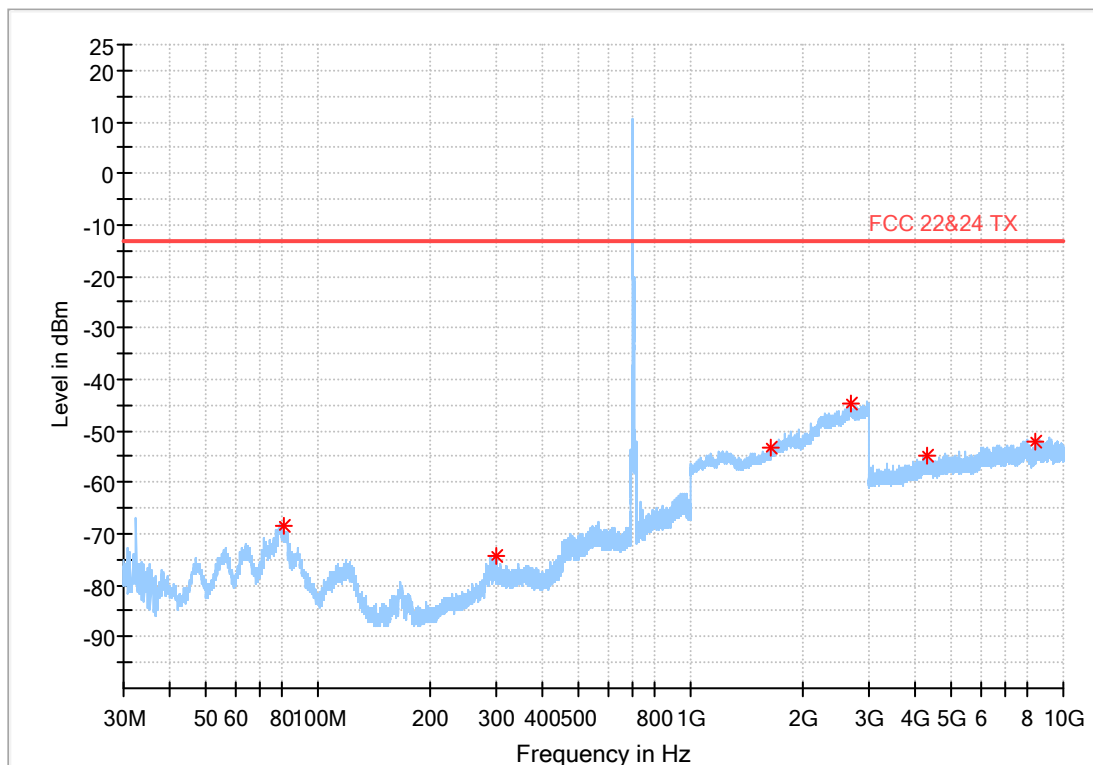
Full Spectrum



## 7.1.2. Test Mode = LTE/TM1 (Up Ant)

### 7.1.2.1. Test Channel = LCH\_Vertical

Full Spectrum

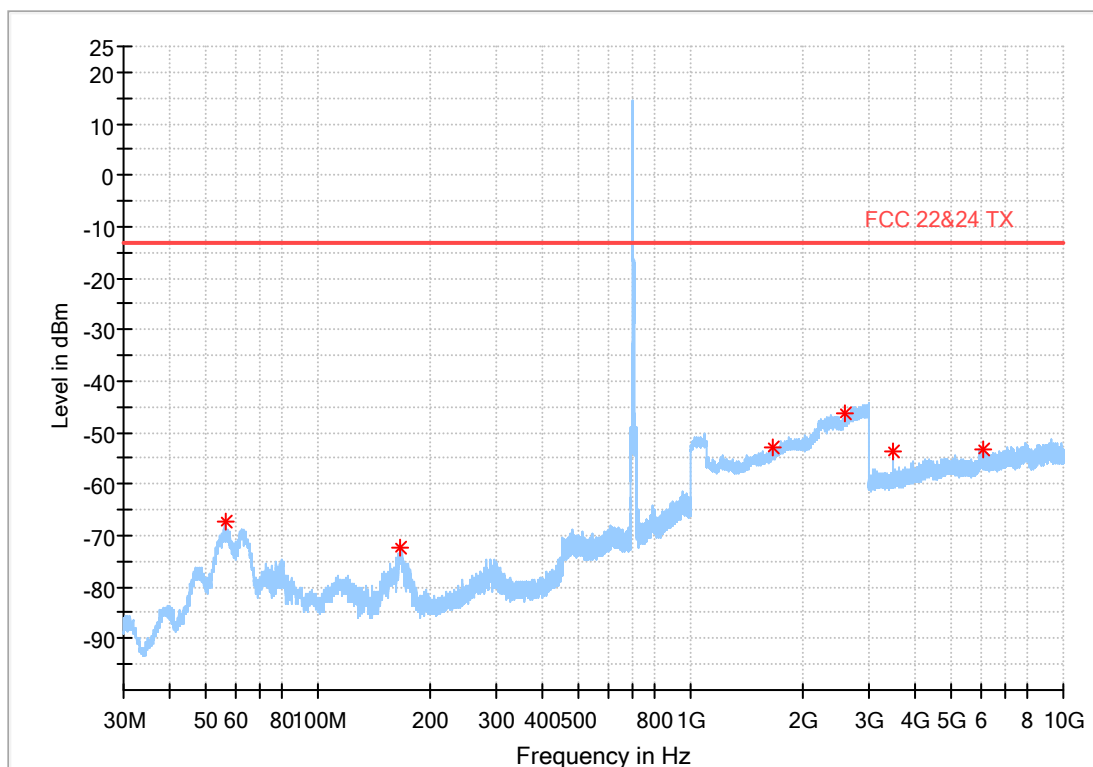


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## 7.1.2.2. Test Channel = LCH\_Horizontal

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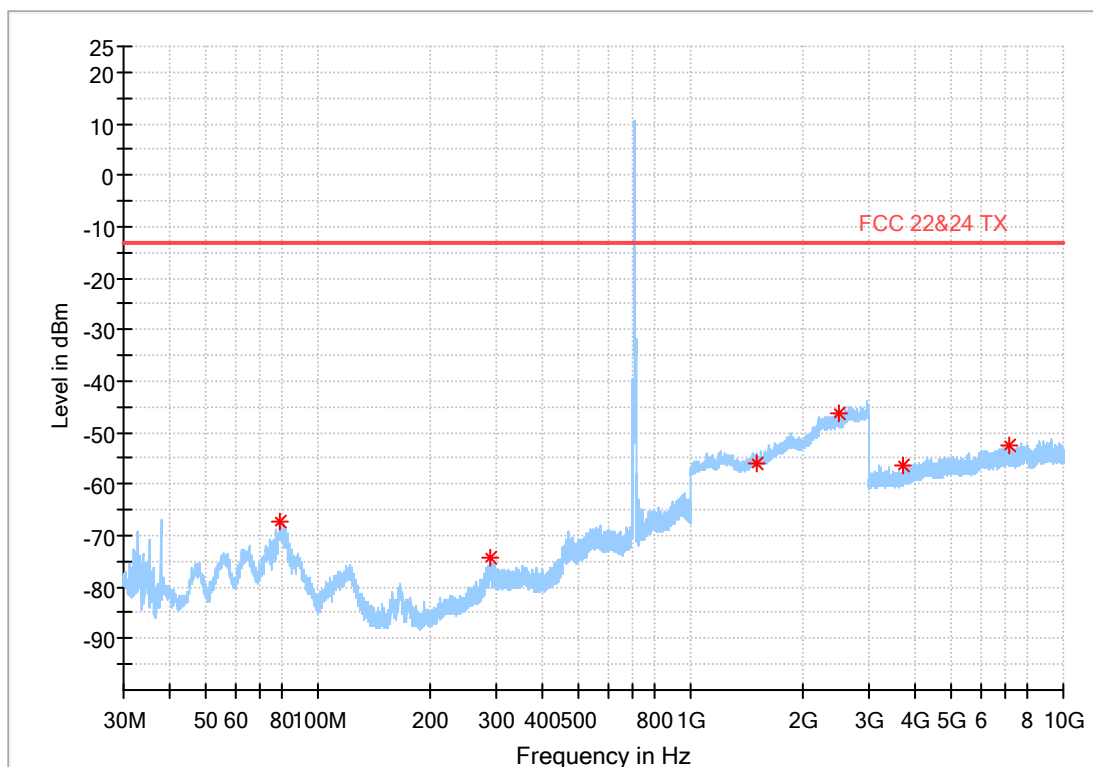
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### 7.1.2.3. Test Channel = MCH\_ Vertical

Full Spectrum



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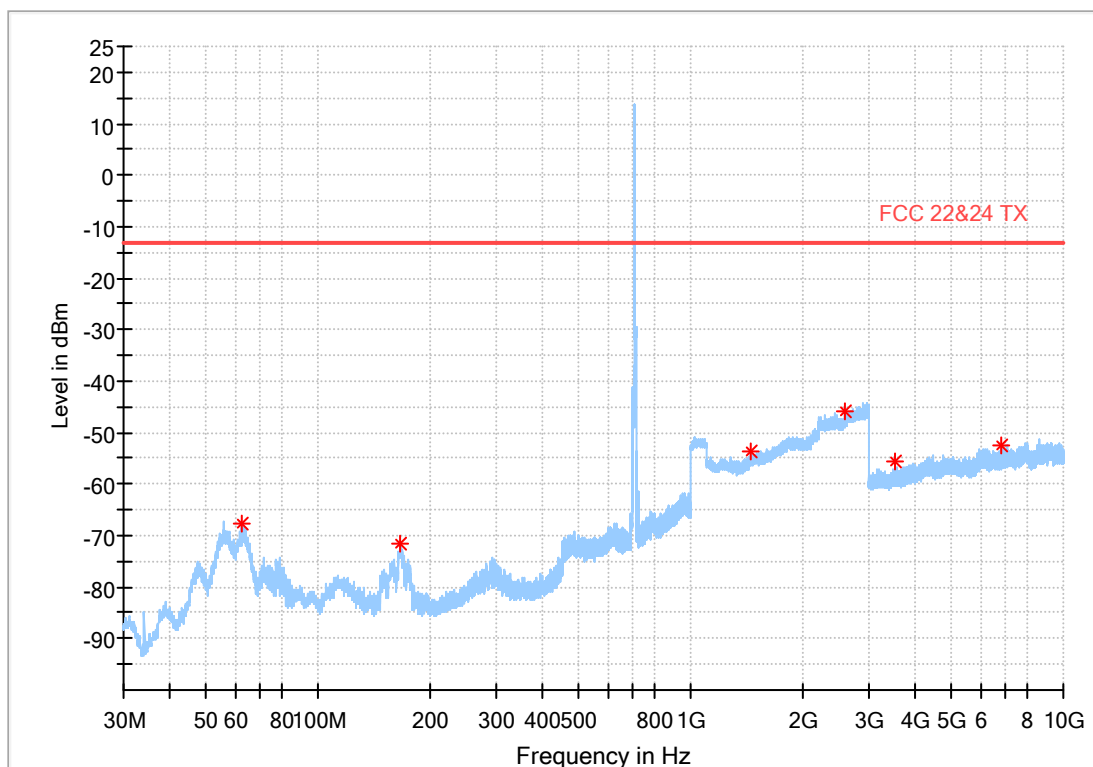
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#### 7.1.2.4. Test Channel = MCH\_ Horizontal

Full Spectrum



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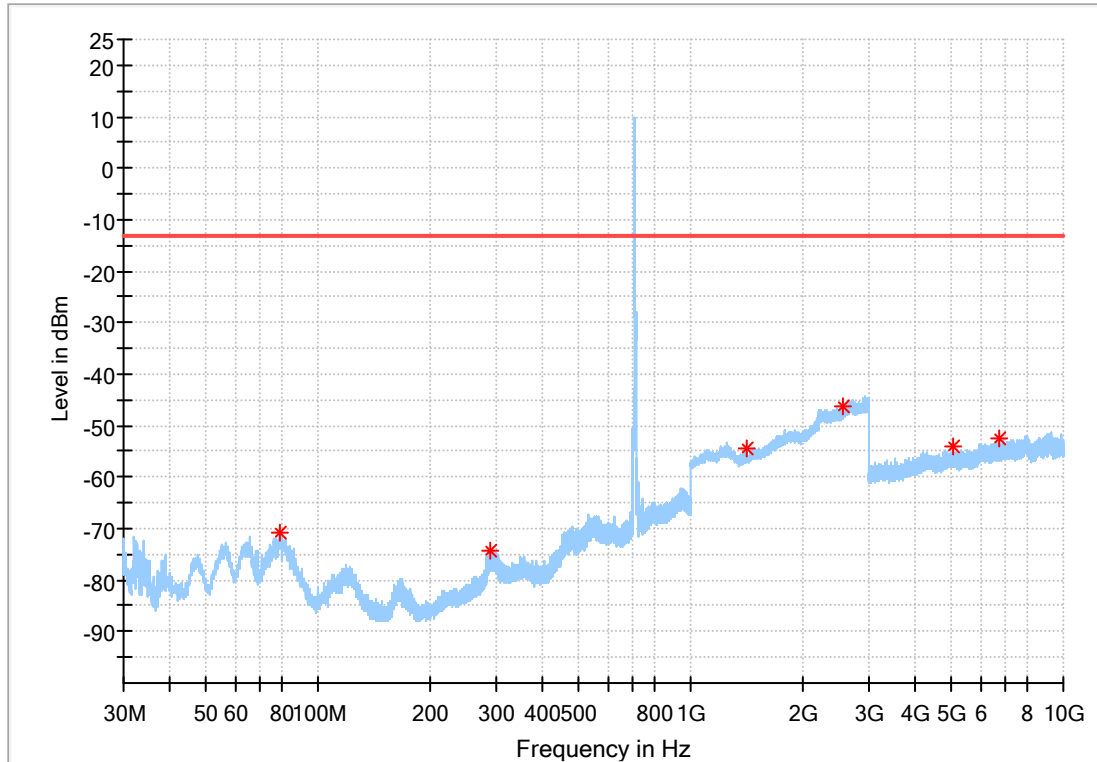
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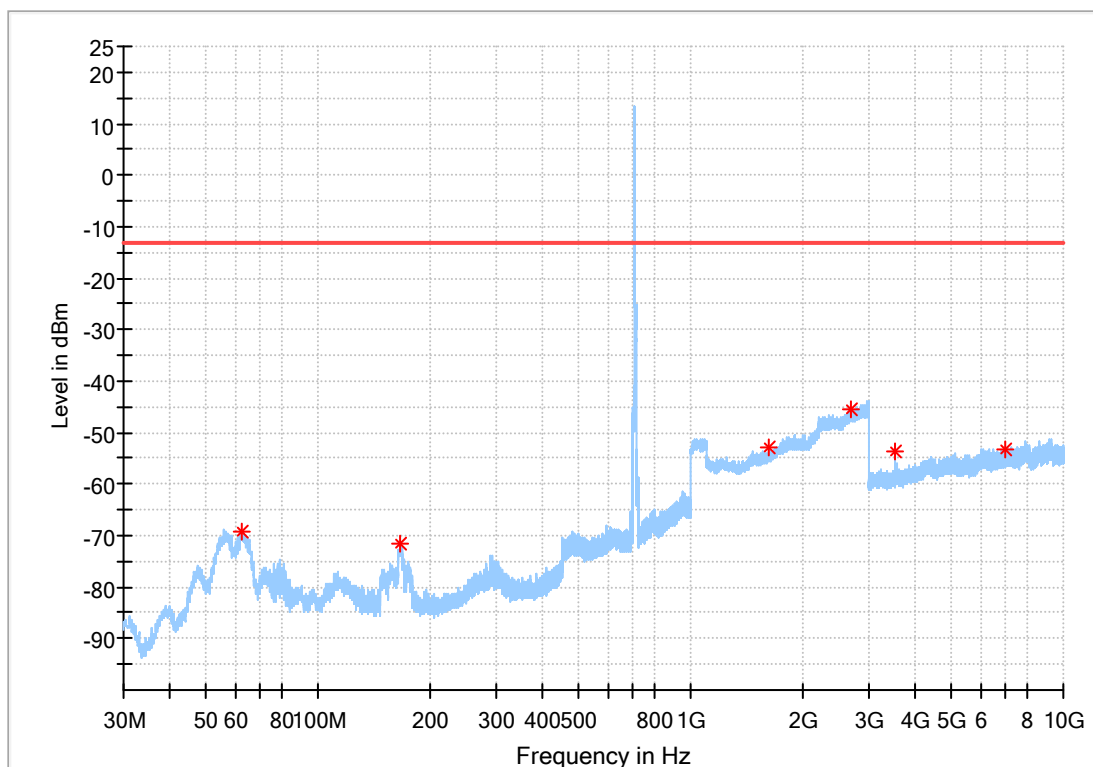
### 7.1.2.5. Test Channel = HCH\_Vertical

Full Spectrum



## 7.1.2.6. Test Channel = HCH\_Horizontal

Full Spectrum



### Remark:

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 had been displayed.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| BAND    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | VL            | NT               | 0.10           | 0.000142        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | VN            | NT               | 1.00           | 0.001420        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | VH            | NT               | 1.60           | 0.002273        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | VL            | NT               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | VN            | NT               | 0.70           | 0.000989        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | VH            | NT               | 0.70           | 0.000989        | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | VL            | NT               | -0.80          | -0.001125       | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | VN            | NT               | -0.80          | -0.001125       | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | VH            | NT               | 0.90           | 0.001266        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23060   | 50RB#0       | VL            | NT               | 0.40           | 0.000568        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23060   | 50RB#0       | VN            | NT               | 0.30           | 0.000426        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23060   | 50RB#0       | VH            | NT               | 1.10           | 0.001563        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23095   | 50RB#0       | VL            | NT               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23095   | 50RB#0       | VN            | NT               | 0.50           | 0.000707        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23095   | 50RB#0       | VH            | NT               | 0.30           | 0.000424        | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23130   | 50RB#0       | VL            | NT               | -1.30          | -0.001828       | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23130   | 50RB#0       | VN            | NT               | -0.50          | -0.000703       | ±2.5        | PASS    |
| Band12  | 10MHz     | 64QAM      | 23130   | 50RB#0       | VH            | NT               | -0.70          | -0.000985       | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23060   | 50RB#0       | VL            | NT               | 0.40           | 0.000568        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23060   | 50RB#0       | VN            | NT               | 0.70           | 0.000994        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23060   | 50RB#0       | VH            | NT               | 0.40           | 0.000568        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23095   | 50RB#0       | VL            | NT               | 0.30           | 0.000424        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23095   | 50RB#0       | VN            | NT               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23095   | 50RB#0       | VH            | NT               | -0.30          | -0.000424       | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23130   | 50RB#0       | VL            | NT               | 0.40           | 0.000563        | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23130   | 50RB#0       | VN            | NT               | -0.20          | -0.000281       | ±2.5        | PASS    |
| Band12  | 10MHz     | 16QAM      | 23130   | 50RB#0       | VH            | NT               | 1.20           | 0.001688        | ±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              | 1.20           | 0.001705        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -20              | -0.10          | -0.000142       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 0                | -0.10          | -0.000142       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 10               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 20               | 0.20           | 0.000284        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 30               | 0.30           | 0.000426        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 40               | -0.40          | -0.000568       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 50               | 1.10           | 0.001563        | ±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            | -20              | -0.50          | -0.000707       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 0                | 0.50           | 0.000707        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 10               | 1.10           | 0.001555        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 20               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 30               | -0.40          | -0.000565       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 40               | -1.20          | -0.001696       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 50               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -30              | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -20              | 0.50           | 0.000703        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 0                | -1.80          | -0.002532       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 10               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 20               | -0.20          | -0.000281       | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 30               | 0.10           | 0.000141        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 40               | 0.50           | 0.000703        | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | 50               | -0.40          | -0.000563       | ±2.5        | PASS    |
| Band12      | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | -30              | 0.60           | 0.000852        | ±2.5        | PASS    |
| Band12      | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | -20              | -0.10          | -0.000142       | ±2.5        | PASS    |
| Band12      | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 0                | 0.20           | 0.000284        | ±2.5        | PASS    |
| Band12      | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 10               | 0.20           | 0.000284        | ±2.5        | PASS    |
| Band12      | 10MHz     | 64QAM      | 23060   | 50RB#0       | NV            | 20               | 0.00           | 0.000000        | ±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            | 40               | 1.00           | 0.001420        | ±2.5        | PASS    |



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|        |       |       |       |        |    |     |       |           |      |      |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band12 | 10MHz | 64QAM | 23060 | 50RB#0 | NV | 50  | 0.50  | 0.000710  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -30 | 0.40  | 0.000565  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | -20 | 0.90  | 0.001272  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 0   | 0.20  | 0.000283  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 10  | -0.30 | -0.000424 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 20  | 1.00  | 0.001413  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 30  | 0.10  | 0.000141  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 40  | 0.70  | 0.000989  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23095 | 50RB#0 | NV | 50  | 0.10  | 0.000141  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -30 | 0.10  | 0.000141  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | -20 | -0.60 | -0.000844 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 0   | 0.00  | 0.000000  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 10  | 0.60  | 0.000844  | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 20  | -1.00 | -0.001406 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 30  | -1.30 | -0.001828 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 40  | -0.80 | -0.001125 | ±2.5 | PASS |
| Band12 | 10MHz | 64QAM | 23130 | 50RB#0 | NV | 50  | 0.50  | 0.000703  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | -30 | -0.10 | -0.000142 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | -20 | 0.00  | 0.000000  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 0   | 0.20  | 0.000284  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 10  | 0.20  | 0.000284  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 20  | 0.50  | 0.000710  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 30  | 0.30  | 0.000426  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 40  | -0.20 | -0.000284 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | NV | 50  | 1.50  | 0.002131  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -30 | -0.40 | -0.000565 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | -20 | 0.50  | 0.000707  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 0   | 0.50  | 0.000707  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 10  | 0.10  | 0.000141  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 20  | 0.20  | 0.000283  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 30  | 0.70  | 0.000989  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 40  | 0.20  | 0.000283  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | NV | 50  | 0.20  | 0.000283  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -30 | 0.00  | 0.000000  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | -20 | 0.70  | 0.000985  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 0   | 0.60  | 0.000844  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 10  | 0.20  | 0.000281  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 20  | 1.60  | 0.002250  | ±2.5 | PASS |



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|        |       |       |       |        |    |    |       |           |      |      |
|--------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 30 | 0.70  | 0.000985  | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 40 | -1.00 | -0.001406 | ±2.5 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | NV | 50 | 0.50  | 0.000703  | ±2.5 | PASS |

The End



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