



# Appendix B

## E-UTRA Band 5



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# 1 Effective (Isotropic) Radiated Power

## 1.1 Test Result

### ANT1:

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0      | 23.40        | 16.75     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2      | 23.27        | 16.62     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5      | 23.10        | 16.45     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0      | 23.23        | 16.58     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1      | 23.29        | 16.64     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3      | 23.27        | 16.62     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0      | 23.23        | 16.58     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0      | 23.17        | 16.52     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2      | 23.34        | 16.69     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5      | 23.23        | 16.58     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0      | 23.23        | 16.58     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1      | 23.34        | 16.69     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3      | 23.21        | 16.56     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0      | 23.16        | 16.51     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0      | 23.37        | 16.72     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2      | 23.42        | 16.77     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5      | 23.29        | 16.64     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0      | 23.33        | 16.68     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1      | 23.40        | 16.75     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3      | 23.30        | 16.65     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0      | 23.28        | 16.63     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0      | 23.38        | 16.73     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2      | 23.53        | 16.88     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5      | 23.34        | 16.69     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0      | 23.33        | 16.68     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1      | 23.40        | 16.75     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3      | 23.46        | 16.81     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0      | 22.32        | 15.67     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0      | 23.32        | 16.67     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2      | 23.58        | 16.93     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5      | 23.47        | 16.82     | 38.45       | PASS    |



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|       |        |       |       |        |       |       |       |      |
|-------|--------|-------|-------|--------|-------|-------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0  | 23.27 | 16.62 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#1  | 23.38 | 16.73 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3  | 23.39 | 16.74 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0  | 22.40 | 15.75 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 23.63 | 16.98 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 23.63 | 16.98 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 23.37 | 16.72 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 23.42 | 16.77 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 23.48 | 16.83 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 23.47 | 16.82 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 22.39 | 15.74 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#0  | 22.31 | 15.66 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#2  | 22.07 | 15.42 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#5  | 21.70 | 15.05 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#0  | 22.01 | 15.36 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#1  | 21.97 | 15.32 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#3  | 21.80 | 15.15 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 6RB#0  | 20.87 | 14.22 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#0  | 21.91 | 15.26 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#2  | 21.88 | 15.23 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#5  | 21.94 | 15.29 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#0  | 21.99 | 15.34 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#1  | 22.01 | 15.36 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#3  | 21.90 | 15.25 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0  | 20.97 | 14.32 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#0  | 21.76 | 15.11 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#2  | 22.02 | 15.37 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#5  | 21.96 | 15.31 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#0  | 22.05 | 15.4  | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#1  | 21.98 | 15.33 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#3  | 21.99 | 15.34 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | 20.95 | 14.3  | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 23.23 | 16.58 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 22.94 | 16.29 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 23.38 | 16.73 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 23.24 | 16.59 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 23.24 | 16.59 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 23.24 | 16.59 | 38.45 | PASS |



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|       |      |       |       |        |       |       |       |      |
|-------|------|-------|-------|--------|-------|-------|-------|------|
| Band5 | 3MHz | QPSK  | 20415 | 15RB#0 | 23.20 | 16.55 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 1RB#0  | 23.26 | 16.61 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 1RB#8  | 23.17 | 16.52 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 1RB#14 | 23.25 | 16.6  | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#0  | 23.18 | 16.53 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#4  | 23.31 | 16.66 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#7  | 23.24 | 16.59 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0 | 23.27 | 16.62 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#0  | 23.35 | 16.7  | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#8  | 23.46 | 16.81 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#14 | 23.26 | 16.61 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#0  | 23.30 | 16.65 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#4  | 23.36 | 16.71 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#7  | 23.32 | 16.67 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | 23.35 | 16.7  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0  | 23.35 | 16.7  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#8  | 23.36 | 16.71 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14 | 23.59 | 16.94 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0  | 22.37 | 15.72 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4  | 22.19 | 15.54 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7  | 22.25 | 15.6  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 22.14 | 15.49 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0  | 23.47 | 16.82 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8  | 23.54 | 16.89 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14 | 23.53 | 16.88 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0  | 22.20 | 15.55 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4  | 22.38 | 15.73 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7  | 22.31 | 15.66 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 22.34 | 15.69 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0  | 23.58 | 16.93 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8  | 23.58 | 16.93 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14 | 23.57 | 16.92 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0  | 22.43 | 15.78 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4  | 22.27 | 15.62 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7  | 22.37 | 15.72 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 22.27 | 15.62 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#0  | 22.14 | 15.49 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#8  | 21.82 | 15.17 | 38.45 | PASS |



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|       |      |       |       |         |       |       |       |      |
|-------|------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 3MHz | 64QAM | 20415 | 1RB#14  | 22.21 | 15.56 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#0   | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#4   | 20.82 | 14.17 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#7   | 20.77 | 14.12 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 15RB#0  | 20.76 | 14.11 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#0   | 21.92 | 15.27 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#8   | 22.01 | 15.36 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#14  | 21.94 | 15.29 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#0   | 20.84 | 14.19 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#4   | 20.83 | 14.18 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#7   | 20.82 | 14.17 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0  | 20.82 | 14.17 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#0   | 22.13 | 15.48 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#8   | 21.98 | 15.33 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#14  | 21.89 | 15.24 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#0   | 20.87 | 14.22 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#4   | 20.86 | 14.21 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#7   | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0  | 20.81 | 14.16 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 23.37 | 16.72 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 23.16 | 16.51 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 23.25 | 16.6  | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 23.20 | 16.55 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 23.26 | 16.61 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 23.14 | 16.49 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 23.32 | 16.67 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 23.35 | 16.7  | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 23.16 | 16.51 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 22.81 | 16.16 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 23.30 | 16.65 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 23.26 | 16.61 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 23.20 | 16.55 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 23.27 | 16.62 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 23.33 | 16.68 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 23.41 | 16.76 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#24  | 23.34 | 16.69 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#0  | 23.39 | 16.74 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#6  | 23.40 | 16.75 | 38.45 | PASS |



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|       |      |       |       |         |       |       |       |      |
|-------|------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 5MHz | QPSK  | 20625 | 12RB#13 | 23.37 | 16.72 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0  | 23.34 | 16.69 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0   | 23.46 | 16.81 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12  | 23.31 | 16.66 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24  | 23.35 | 16.7  | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0  | 22.26 | 15.61 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6  | 22.32 | 15.67 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 22.32 | 15.67 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0  | 22.26 | 15.61 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0   | 23.43 | 16.78 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12  | 23.58 | 16.93 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24  | 23.63 | 16.98 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0  | 22.36 | 15.71 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6  | 22.32 | 15.67 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 22.27 | 15.62 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0  | 22.33 | 15.68 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0   | 23.69 | 17.04 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#12  | 23.54 | 16.89 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#24  | 23.54 | 16.89 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#0  | 22.52 | 15.87 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#6  | 22.40 | 15.75 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#13 | 22.41 | 15.76 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0  | 22.45 | 15.8  | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#0   | 22.02 | 15.37 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#12  | 21.90 | 15.25 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#24  | 21.91 | 15.26 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#0  | 20.91 | 14.26 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#6  | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#13 | 20.89 | 14.24 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0  | 20.84 | 14.19 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#0   | 22.16 | 15.51 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#12  | 21.81 | 15.16 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#24  | 22.01 | 15.36 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#0  | 20.97 | 14.32 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#6  | 20.90 | 14.25 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#13 | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0  | 20.93 | 14.28 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 1RB#0   | 22.12 | 15.47 | 38.45 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#12  | 22.07 | 15.42 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#24  | 22.17 | 15.52 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#0  | 21.04 | 14.39 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#6  | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#13 | 20.91 | 14.26 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0  | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 23.34 | 16.69 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 23.62 | 16.97 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 23.47 | 16.82 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 23.38 | 16.73 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 23.33 | 16.68 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 23.29 | 16.64 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 23.20 | 16.55 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 23.49 | 16.84 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 23.24 | 16.59 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 22.35 | 15.7  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 23.75 | 17.1  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 23.43 | 16.78 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 23.26 | 16.61 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 23.33 | 16.68 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 23.37 | 16.72 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 23.31 | 16.66 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 23.65 | 17    | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 23.28 | 16.63 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 23.40 | 16.75 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 23.40 | 16.75 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 23.65 | 17    | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 23.59 | 16.94 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 23.54 | 16.89 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 23.76 | 17.11 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 22.20 | 15.55 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 22.26 | 15.61 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 22.19 | 15.54 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 22.27 | 15.62 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 23.63 | 16.98 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 23.36 | 16.71 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 23.50 | 16.85 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 22.23 | 15.58 | 38.45 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 22.35 | 15.7  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 22.38 | 15.73 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 22.40 | 15.75 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 23.65 | 17    | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 23.63 | 16.98 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 23.89 | 17.24 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 22.32 | 15.67 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 22.35 | 15.7  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 22.45 | 15.8  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 22.38 | 15.73 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0   | 22.24 | 15.59 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#24  | 22.17 | 15.52 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#49  | 21.75 | 15.1  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#0  | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#12 | 20.94 | 14.29 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#25 | 21.03 | 14.38 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0  | 20.91 | 14.26 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0   | 22.26 | 15.61 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#24  | 22.02 | 15.37 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#49  | 21.52 | 14.87 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#0  | 20.89 | 14.24 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#12 | 20.93 | 14.28 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#25 | 21.03 | 14.38 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0  | 20.98 | 14.33 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0   | 22.31 | 15.66 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#24  | 22.16 | 15.51 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#49  | 21.94 | 15.29 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#0  | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#12 | 21.00 | 14.35 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#25 | 20.99 | 14.34 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0  | 20.96 | 14.31 | 38.45 | PASS |



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ANT2:

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0      | 23.05        | 16.4      | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2      | 22.82        | 16.17     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5      | 22.89        | 16.24     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#0      | 22.95        | 16.3      | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#1      | 22.91        | 16.26     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 3RB#3      | 22.84        | 16.19     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0      | 22.80        | 16.15     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0      | 23.01        | 16.36     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2      | 22.80        | 16.15     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5      | 22.85        | 16.2      | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#0      | 22.80        | 16.15     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#1      | 22.91        | 16.26     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 3RB#3      | 22.88        | 16.23     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0      | 22.83        | 16.18     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0      | 22.96        | 16.31     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2      | 22.90        | 16.25     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5      | 22.78        | 16.13     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#0      | 22.84        | 16.19     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#1      | 22.98        | 16.33     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 3RB#3      | 22.80        | 16.15     | 38.45       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0      | 22.81        | 16.16     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0      | 22.75        | 16.1      | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2      | 22.95        | 16.3      | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5      | 22.86        | 16.21     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#0      | 22.84        | 16.19     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#1      | 22.87        | 16.22     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 3RB#3      | 22.80        | 16.15     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0      | 22.03        | 15.38     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0      | 22.85        | 16.2      | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2      | 22.91        | 16.26     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5      | <b>23.08</b> | 16.43     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#0      | 22.79        | 16.14     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#1      | 22.86        | 16.21     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 3RB#3      | 22.93        | 16.28     | 38.45       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0      | 21.77        | 15.12     | 38.45       | PASS    |



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|       |        |       |       |        |              |       |       |      |
|-------|--------|-------|-------|--------|--------------|-------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 23.00        | 16.35 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2  | 23.04        | 16.39 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 23.01        | 16.36 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 22.91        | 16.26 | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1  | 23.05        | 16.4  | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 22.85        | 16.2  | 38.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 21.87        | 15.22 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#0  | 21.75        | 15.1  | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#2  | 21.90        | 15.25 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#5  | 21.81        | 15.16 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#0  | 21.80        | 15.15 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#1  | 21.87        | 15.22 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 3RB#3  | 21.80        | 15.15 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 6RB#0  | 21.00        | 14.35 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#0  | 21.81        | 15.16 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#2  | 21.88        | 15.23 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#5  | 22.05        | 15.4  | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#0  | 21.75        | 15.1  | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#1  | 21.86        | 15.21 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 3RB#3  | 21.91        | 15.26 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0  | 20.74        | 14.09 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#0  | 21.97        | 15.32 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#2  | 22.00        | 15.35 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#5  | 21.98        | 15.33 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#0  | 21.86        | 15.21 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#1  | 22.02        | 15.37 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 3RB#3  | 21.84        | 15.19 | 38.45 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0  | 20.85        | 14.2  | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 22.87        | 16.22 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#8  | 22.76        | 16.11 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 22.83        | 16.18 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 22.89        | 16.24 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 22.88        | 16.23 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 22.83        | 16.18 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 22.87        | 16.22 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 22.87        | 16.22 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#8  | <b>23.02</b> | 16.37 | 38.45 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 22.74        | 16.09 | 38.45 | PASS |



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|       |      |       |       |        |       |       |       |      |
|-------|------|-------|-------|--------|-------|-------|-------|------|
| Band5 | 3MHz | QPSK  | 20525 | 8RB#0  | 22.87 | 16.22 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#4  | 22.86 | 16.21 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#7  | 22.86 | 16.21 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0 | 22.85 | 16.2  | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#0  | 22.96 | 16.31 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#8  | 22.98 | 16.33 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#14 | 22.79 | 16.14 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#0  | 22.94 | 16.29 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#4  | 22.89 | 16.24 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#7  | 22.94 | 16.29 | 38.45 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | 22.91 | 16.26 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0  | 22.75 | 16.1  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#8  | 22.96 | 16.31 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14 | 22.97 | 16.32 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0  | 21.89 | 15.24 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4  | 21.98 | 15.33 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7  | 21.87 | 15.22 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 21.80 | 15.15 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0  | 22.95 | 16.3  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8  | 22.96 | 16.31 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14 | 22.94 | 16.29 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0  | 21.95 | 15.3  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4  | 21.88 | 15.23 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7  | 21.96 | 15.31 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 21.92 | 15.27 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0  | 22.71 | 16.06 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8  | 22.71 | 16.06 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14 | 22.95 | 16.3  | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0  | 22.10 | 15.45 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4  | 21.97 | 15.32 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7  | 21.99 | 15.34 | 38.45 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 21.84 | 15.19 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#0  | 21.75 | 15.1  | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#8  | 21.94 | 15.29 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#14 | 21.92 | 15.27 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#0  | 20.84 | 14.19 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#4  | 20.95 | 14.3  | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 8RB#7  | 20.84 | 14.19 | 38.45 | PASS |



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|       |      |       |       |         |              |       |       |      |
|-------|------|-------|-------|---------|--------------|-------|-------|------|
| Band5 | 3MHz | 64QAM | 20415 | 15RB#0  | 20.80        | 14.15 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#0   | 21.90        | 15.25 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#8   | 21.95        | 15.3  | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#14  | 21.89        | 15.24 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#0   | 20.93        | 14.28 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#4   | 20.87        | 14.22 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 8RB#7   | 20.95        | 14.3  | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0  | 20.90        | 14.25 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#0   | 21.66        | 15.01 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#8   | 21.67        | 15.02 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#14  | 21.94        | 15.29 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#0   | 21.10        | 14.45 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#4   | 20.94        | 14.29 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 8RB#7   | 20.98        | 14.33 | 38.45 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0  | 20.83        | 14.18 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 22.92        | 16.27 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 22.87        | 16.22 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 22.95        | 16.3  | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 22.97        | 16.32 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 22.89        | 16.24 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 22.92        | 16.27 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 22.83        | 16.18 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | <b>23.03</b> | 16.38 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 22.87        | 16.22 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 22.82        | 16.17 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 22.88        | 16.23 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 22.95        | 16.3  | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 22.90        | 16.25 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0  | 22.86        | 16.21 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#0   | 23.01        | 16.36 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#12  | 22.86        | 16.21 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 1RB#24  | 22.94        | 16.29 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#0  | 22.91        | 16.26 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#6  | 22.98        | 16.33 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 12RB#13 | 22.97        | 16.32 | 38.45 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0  | 23.02        | 16.37 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0   | 22.75        | 16.1  | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12  | 22.75        | 16.1  | 38.45 | PASS |



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|       |      |       |       |         |       |       |       |      |
|-------|------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24  | 22.66 | 16.01 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0  | 21.89 | 15.24 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6  | 21.87 | 15.22 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 21.81 | 15.16 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0   | 22.74 | 16.09 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12  | 22.99 | 16.34 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24  | 22.74 | 16.09 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0  | 21.79 | 15.14 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6  | 21.98 | 15.33 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 21.85 | 15.2  | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0  | 21.90 | 15.25 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0   | 22.66 | 16.01 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#12  | 22.71 | 16.06 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#24  | 22.63 | 15.98 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#0  | 21.82 | 15.17 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#6  | 22.09 | 15.44 | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#13 | 21.95 | 15.3  | 38.45 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0  | 22.11 | 15.46 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#0   | 21.74 | 15.09 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#12  | 21.95 | 15.3  | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#24  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#0  | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#6  | 20.96 | 14.31 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 12RB#13 | 20.84 | 14.19 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0  | 20.76 | 14.11 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#0   | 21.90 | 15.25 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#12  | 21.92 | 15.27 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#24  | 21.91 | 15.26 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#0  | 20.93 | 14.28 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#6  | 20.88 | 14.23 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 12RB#13 | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0  | 20.90 | 14.25 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 1RB#0   | 21.70 | 15.05 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 1RB#12  | 21.69 | 15.04 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 1RB#24  | 21.95 | 15.3  | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 12RB#0  | 21.06 | 14.41 | 38.45 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 12RB#6  | 20.93 | 14.28 | 38.45 | PASS |



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|       |       |       |       |         |              |       |       |      |
|-------|-------|-------|-------|---------|--------------|-------|-------|------|
| Band5 | 5MHz  | 64QAM | 20625 | 12RB#13 | 20.98        | 14.33 | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0  | 20.79        | 14.14 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 22.95        | 16.3  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 23.07        | 16.42 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 23.06        | 16.41 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 22.84        | 16.19 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 22.95        | 16.3  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 22.86        | 16.21 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 22.91        | 16.26 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 23.03        | 16.38 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | <b>23.09</b> | 16.44 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 22.61        | 15.96 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 23.07        | 16.42 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 22.92        | 16.27 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 23.00        | 16.35 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 22.96        | 16.31 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 23.01        | 16.36 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 23.04        | 16.39 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 22.90        | 16.25 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 22.95        | 16.3  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 22.90        | 16.25 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 22.97        | 16.32 | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 22.93        | 16.28 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 22.97        | 16.32 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 22.86        | 16.21 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 22.75        | 16.1  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 21.98        | 15.33 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 22.09        | 15.44 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 21.89        | 15.24 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 21.95        | 15.3  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 22.75        | 16.1  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 23.00        | 16.35 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 22.68        | 16.03 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 21.89        | 15.24 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 21.97        | 15.32 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 21.89        | 15.24 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 21.99        | 15.34 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 22.90        | 16.25 | 38.45 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 22.75 | 16.1  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 22.74 | 16.09 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 21.98 | 15.33 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 22.06 | 15.41 | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 21.99 | 15.34 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0   | 21.72 | 15.07 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#24  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#49  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#0  | 20.86 | 14.21 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#12 | 20.93 | 14.28 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 25RB#25 | 20.87 | 14.22 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0  | 20.78 | 14.13 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0   | 21.94 | 15.29 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#24  | 21.93 | 15.28 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#49  | 21.92 | 15.27 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#0  | 20.92 | 14.27 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#12 | 20.83 | 14.18 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 25RB#25 | 20.96 | 14.31 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0  | 20.91 | 14.26 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0   | 21.69 | 15.04 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#24  | 21.70 | 15.05 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#49  | 21.90 | 15.25 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#0  | 21.07 | 14.42 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#12 | 20.97 | 14.32 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 25RB#25 | 20.94 | 14.29 | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0  | 20.84 | 14.19 | 38.45 | PASS |

Remark:

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

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

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



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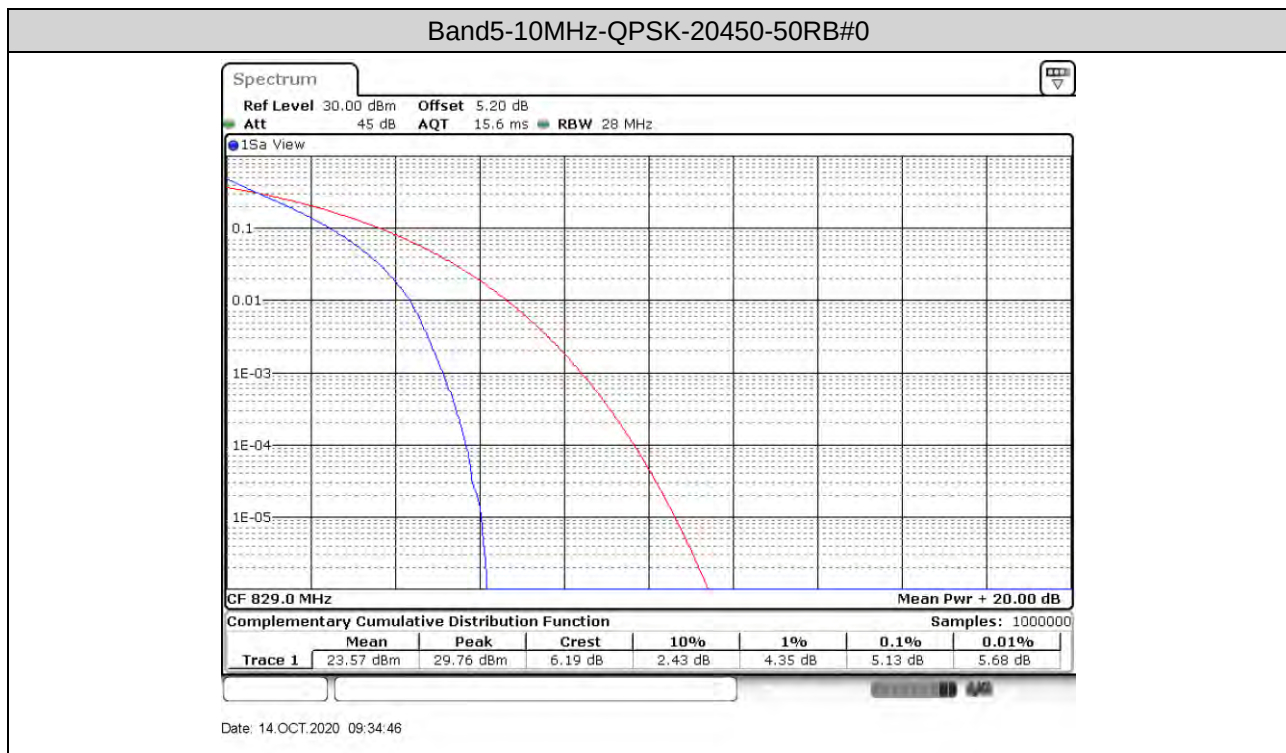


## 2 Peak-to-Average Ratio (CCDF)

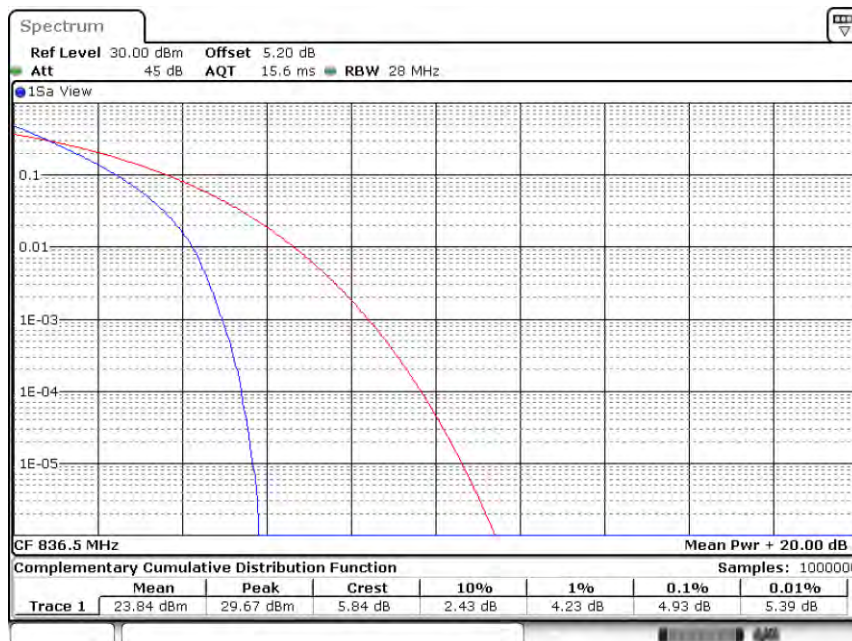
### 2.1 Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 5.13       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 4.93       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 5.07       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 5.91       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 5.77       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 5.88       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20450   | 50RB#0           | 6.46       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20525   | 50RB#0           | 6.35       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20600   | 50RB#0           | 6.41       | 13        | PASS    |

### 2.2 Test Plots

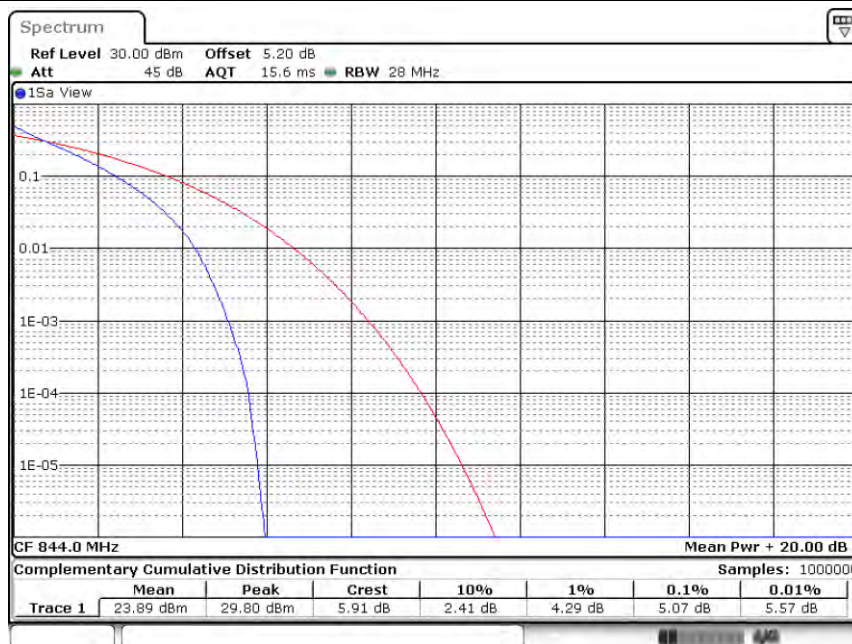


## Band5-10MHz-QPSK-20525-50RB#0



Date: 14.OCT.2020 09:35:15

## Band5-10MHz-QPSK-20600-50RB#0



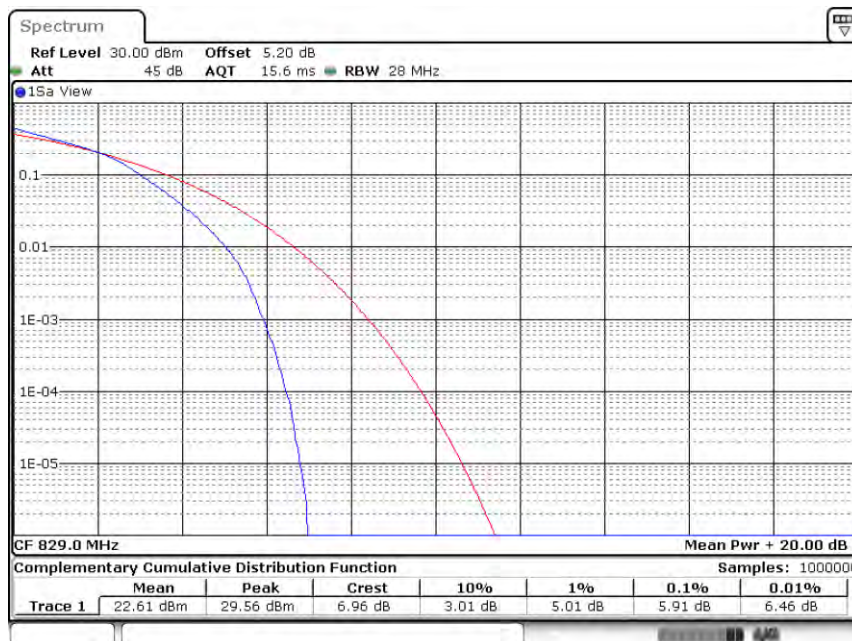
Date: 14.OCT.2020 09:35:44



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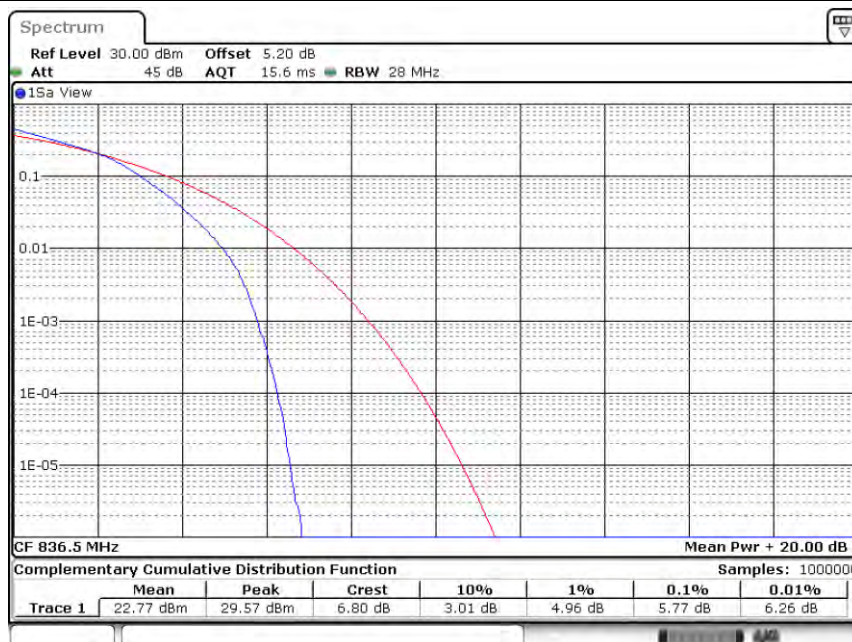
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## Band5-10MHz-16QAM-20450-50RB#0



Date: 14.OCT.2020 09:35:00

## Band5-10MHz-16QAM-20525-50RB#0



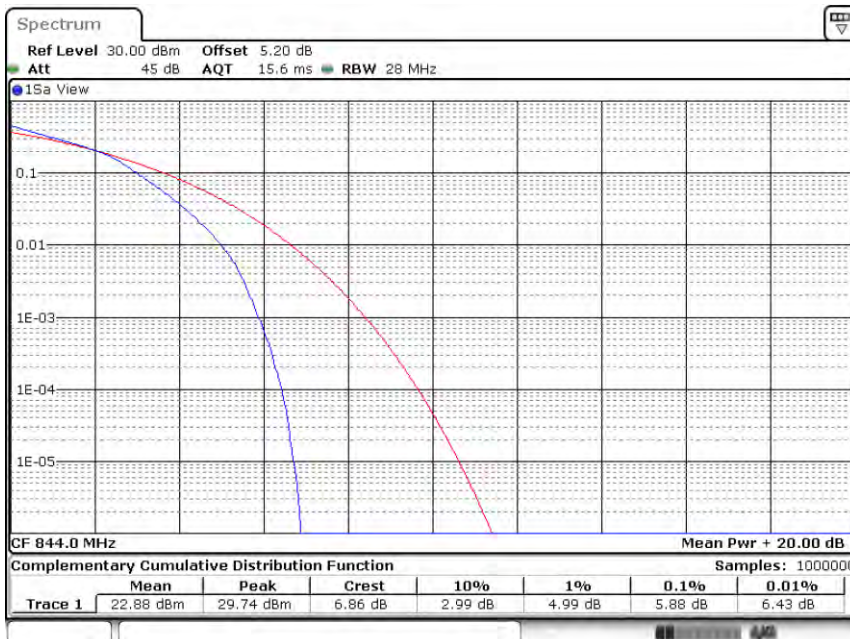
Date: 14.OCT.2020 09:35:29



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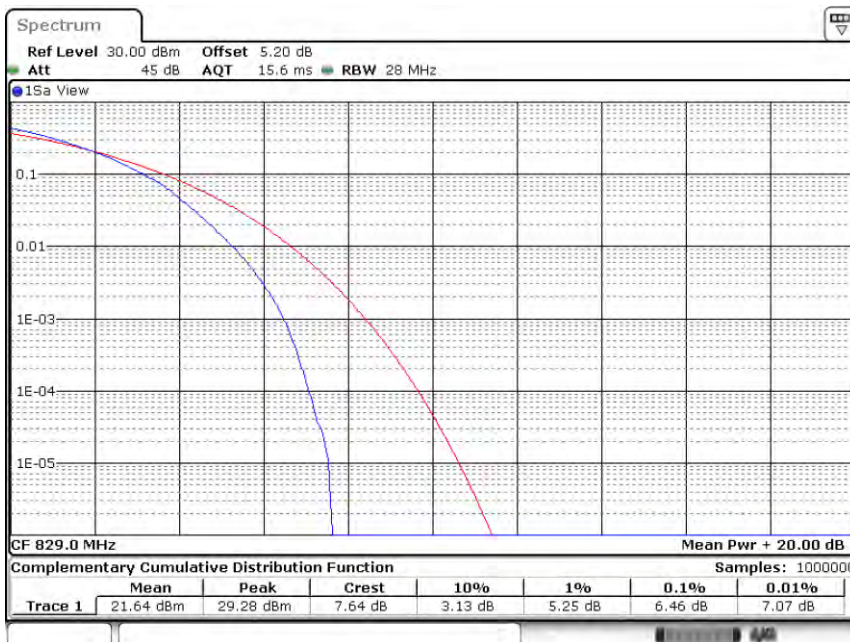
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## Band5-10MHz-16QAM-20600-50RB#0



Date: 14.OCT.2020 09:35:58

## Band5-10MHz-64QAM-20450-50RB#0



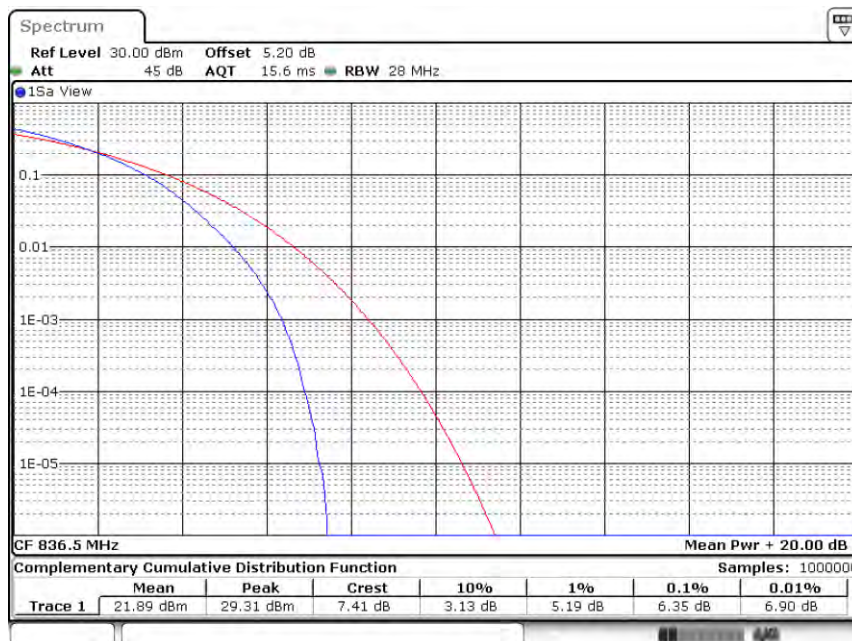
Date: 14.OCT.2020 11:10:59



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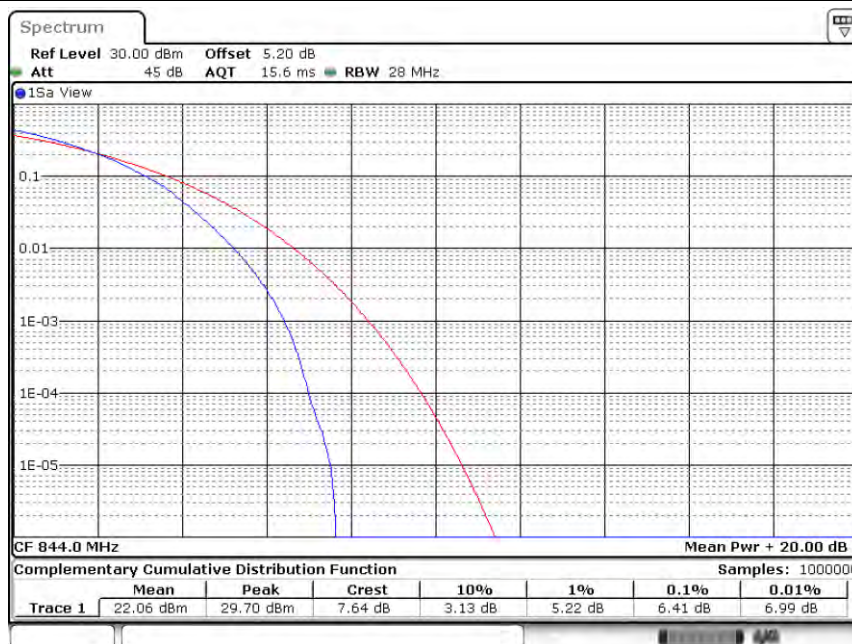
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**Band5-10MHz-64QAM-20525-50RB#0**



Date: 14.OCT.2020 11:11:14

**Band5-10MHz-64QAM-20600-50RB#0**



Date: 14.OCT.2020 11:11:29



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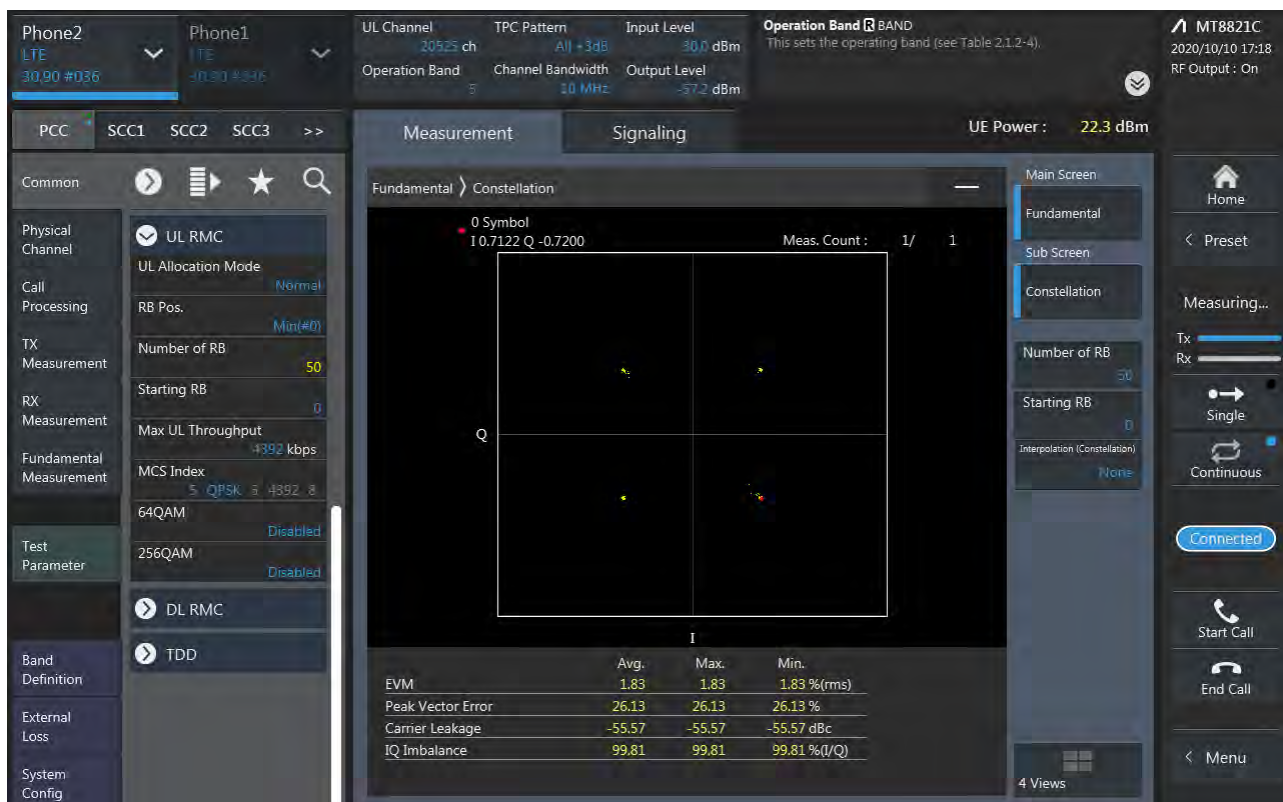
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### 3 Modulation Characteristics

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

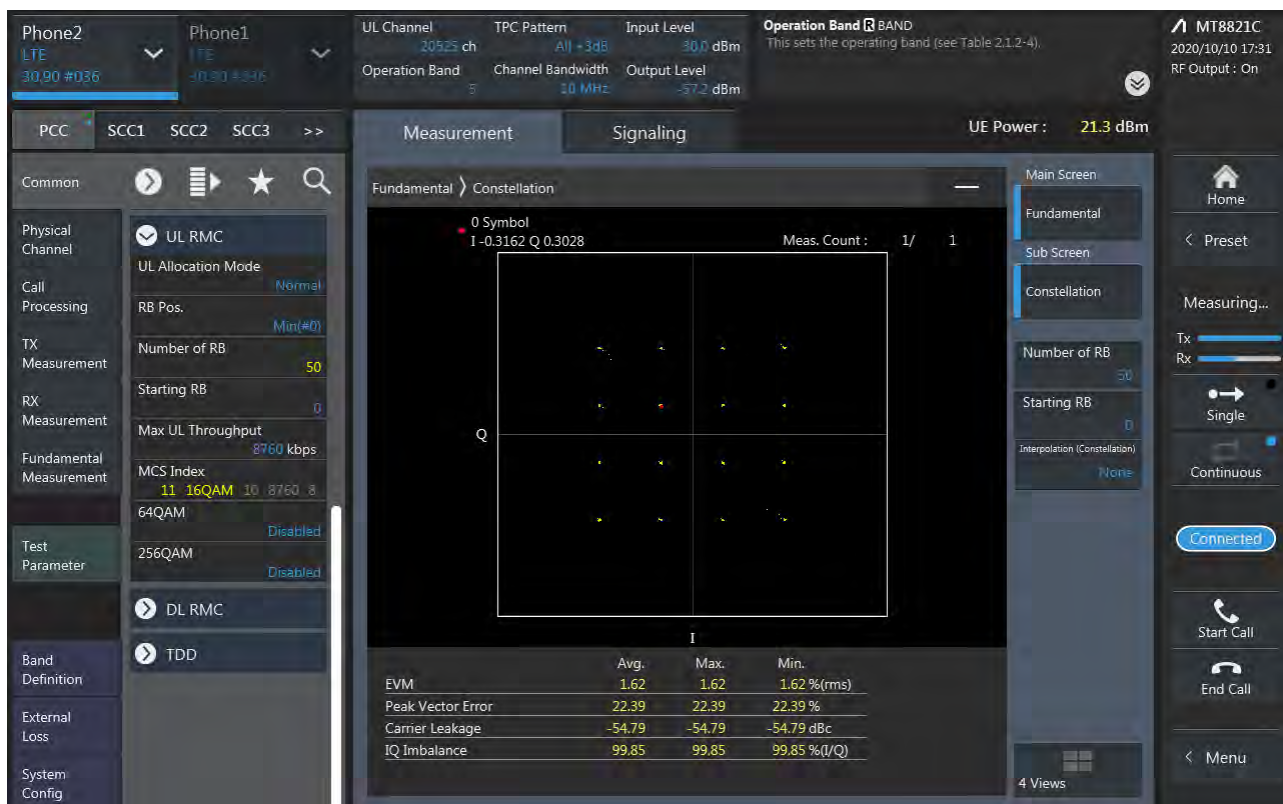
##### 3.1.1 Test Channel = MCH





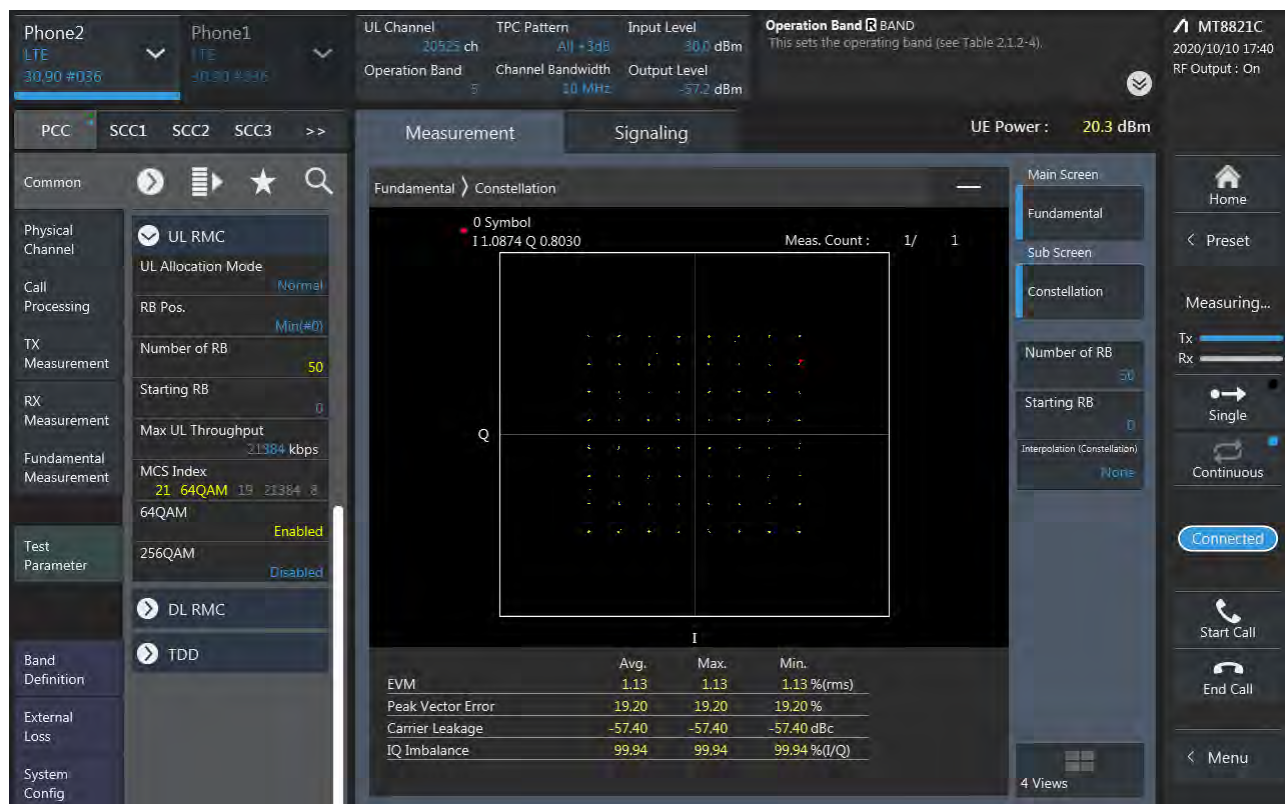
## 3.2 Test Mode = LTE /TM2 10MHz

### 3.2.1 Test Channel = MCH



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

### 3.3.1 Test Channel = MCH



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## 4 26dB Bandwidth and Occupied Bandwidth

### 4.1 Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.094                    | 1.290                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.091                    | 1.293                | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.091                    | 1.284                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.091                    | 1.284                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.091                    | 1.284                | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.091                    | 1.290                | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0            | 1.097                    | 1.293                | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 6RB#0            | 1.097                    | 1.293                | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0            | 1.097                    | 1.290                | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.697                    | 2.994                | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.697                    | 2.994                | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.697                    | 3.000                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.685                    | 2.976                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.685                    | 2.952                | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.685                    | 2.976                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 15RB#0           | 2.685                    | 2.898                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 15RB#0           | 2.691                    | 2.976                | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 15RB#0           | 2.691                    | 2.988                | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.476                    | 4.940                | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.476                    | 4.940                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.486                    | 4.960                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.486                    | 4.950                | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.486                    | 4.950                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 25RB#0           | 4.476                    | 4.910                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 25RB#0           | 4.476                    | 4.900                | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 25RB#0           | 4.476                    | 4.920                | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.931                    | 9.760                | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.931                    | 9.800                | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.931                    | 9.740                | PASS    |



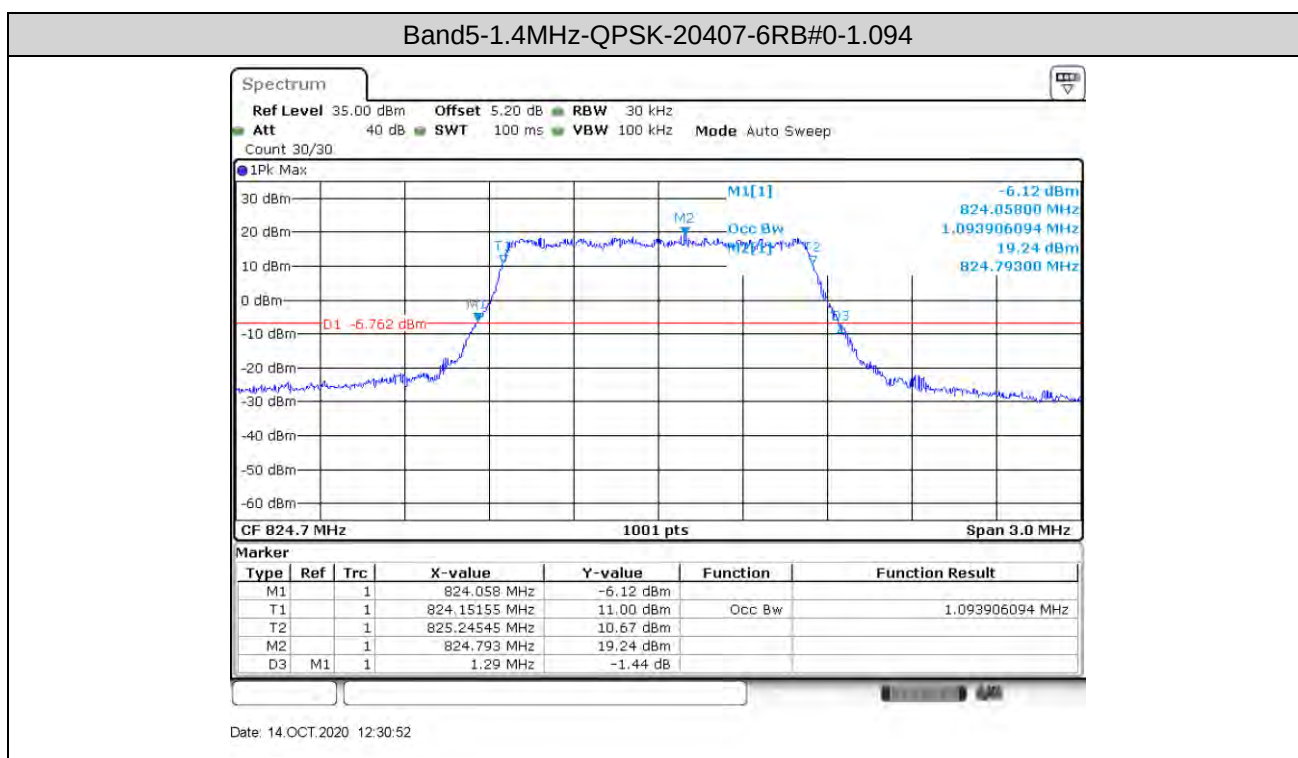
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|       |       |       |       |        |       |       |      |
|-------|-------|-------|-------|--------|-------|-------|------|
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 8.931 | 9.780 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 8.951 | 9.760 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | 8.931 | 9.680 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | 8.931 | 9.660 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | 8.931 | 9.760 | PASS |

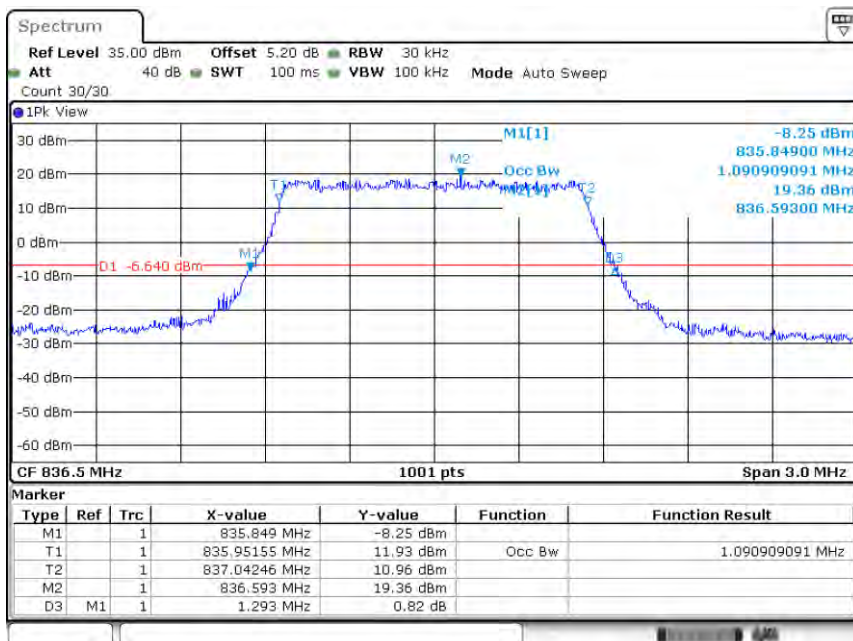
## 4.2 Test Plots



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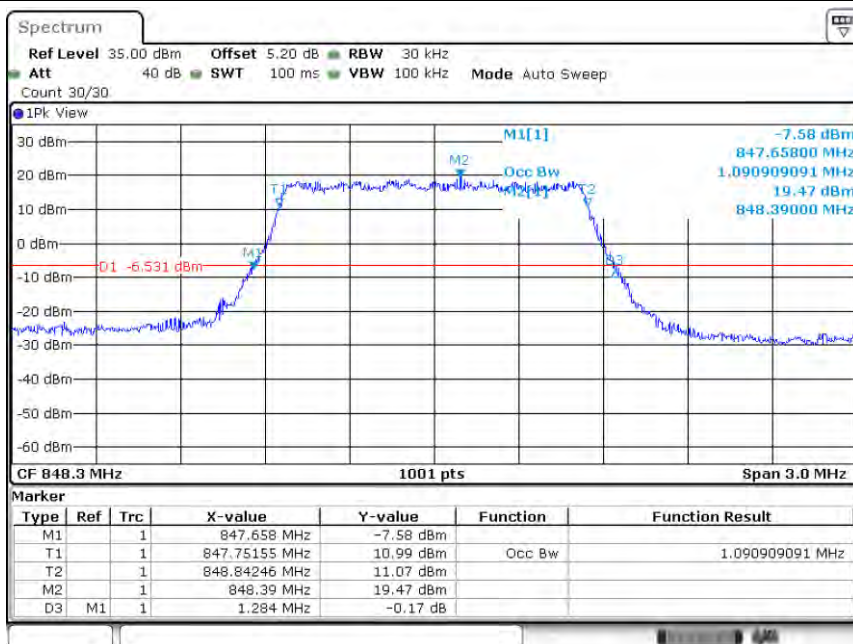
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## Band5-1.4MHz-QPSK-20525-6RB#0-1.091



Date: 14.OCT.2020 12:31:24

## Band5-1.4MHz-QPSK-20643-6RB#0-1.091



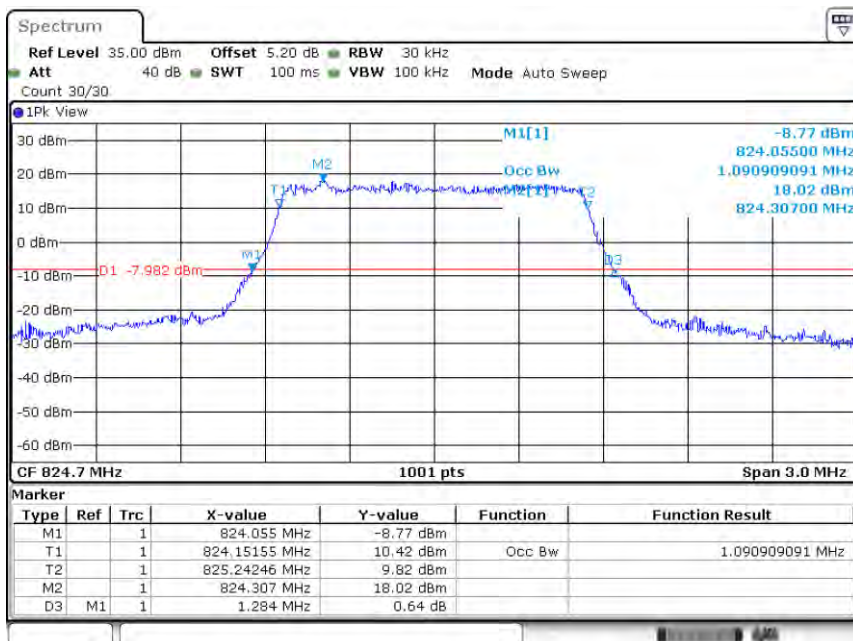
Date: 14.OCT.2020 12:31:56



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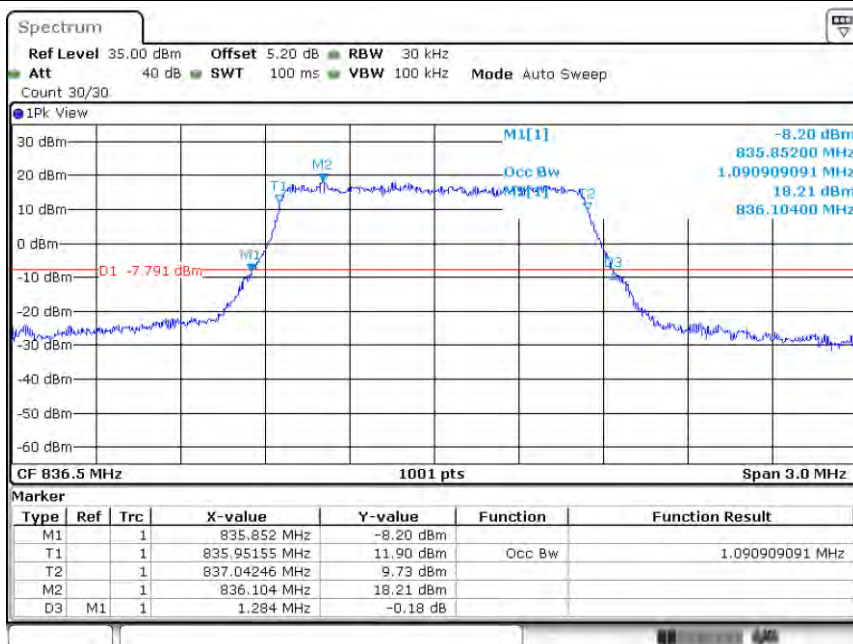
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## Band5-1.4MHz-16QAM-20407-6RB#0-1.091



Date: 14.OCT.2020 12:31:08

## Band5-1.4MHz-16QAM-20525-6RB#0-1.091



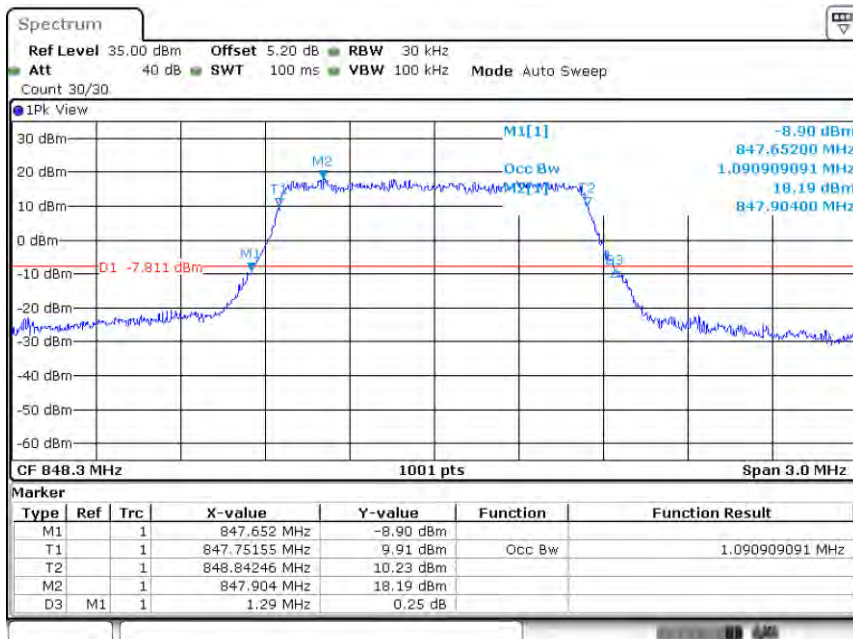
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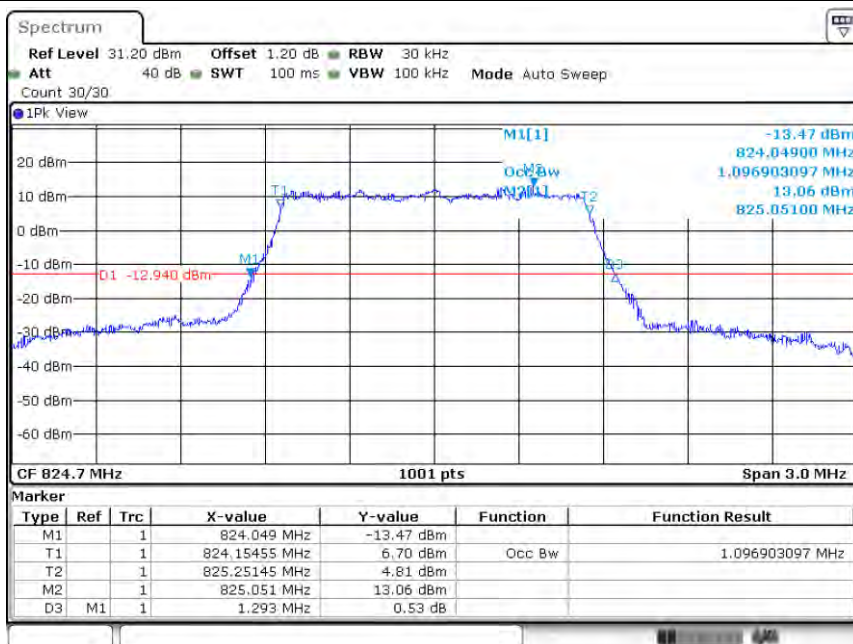
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## Band5-1.4MHz-16QAM-20643-6RB#0-1.091



Date: 14.OCT.2020 12:32:12

## Band5-1.4MHz-64QAM-20407-6RB#0-1.097

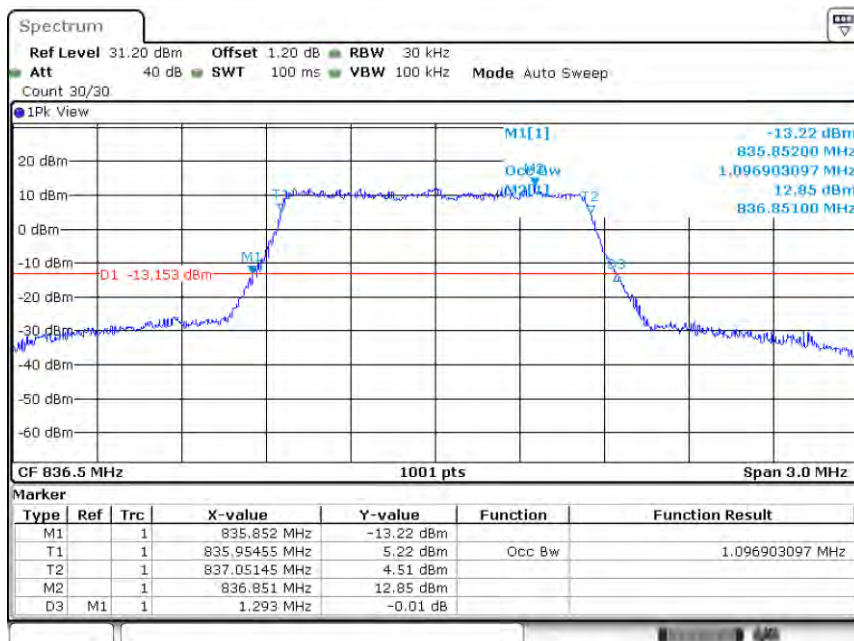


Date: 15.OCT.2020 11:26:49



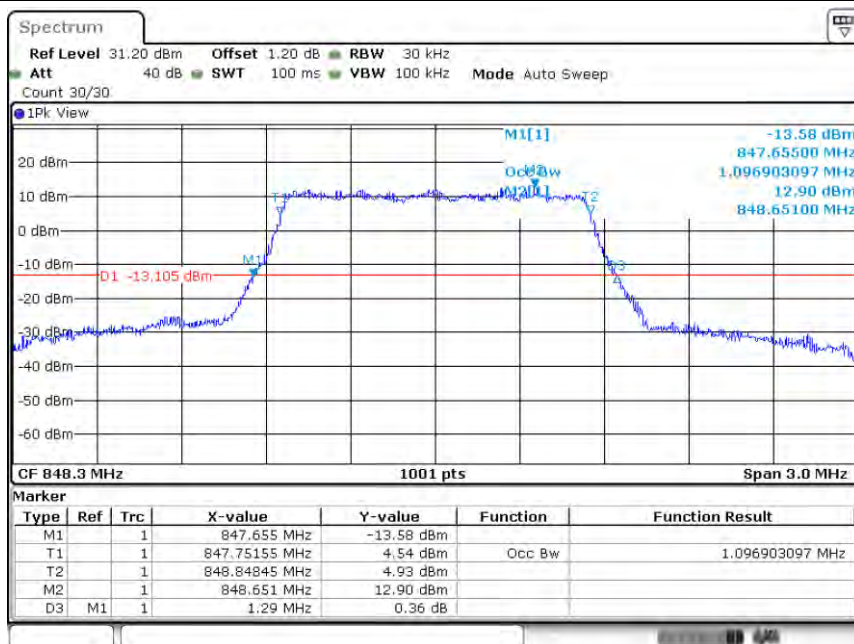
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## Band5-1.4MHz-64QAM-20525-6RB#0-1.097



Date: 15.OCT.2020 11:27:05

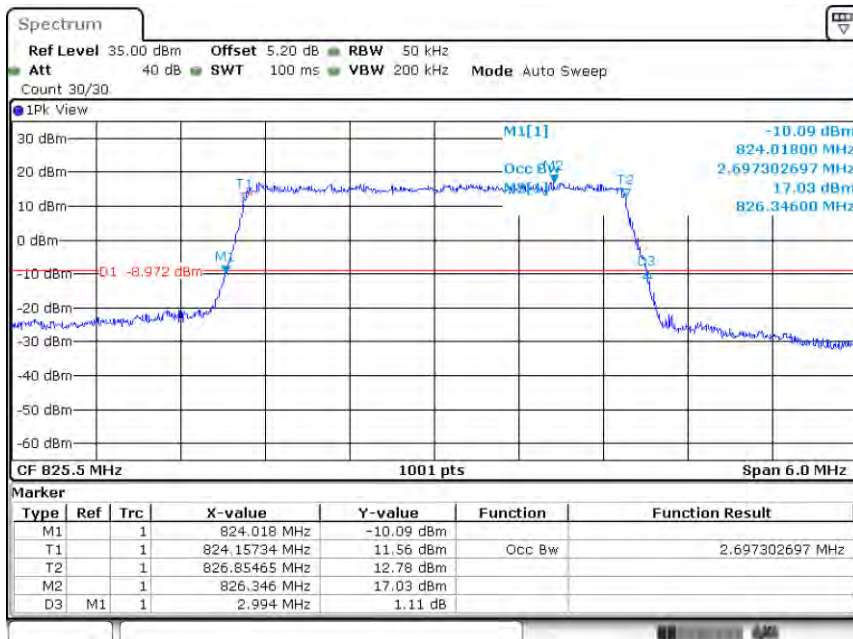
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Date: 15.OCT.2020 11:27:21

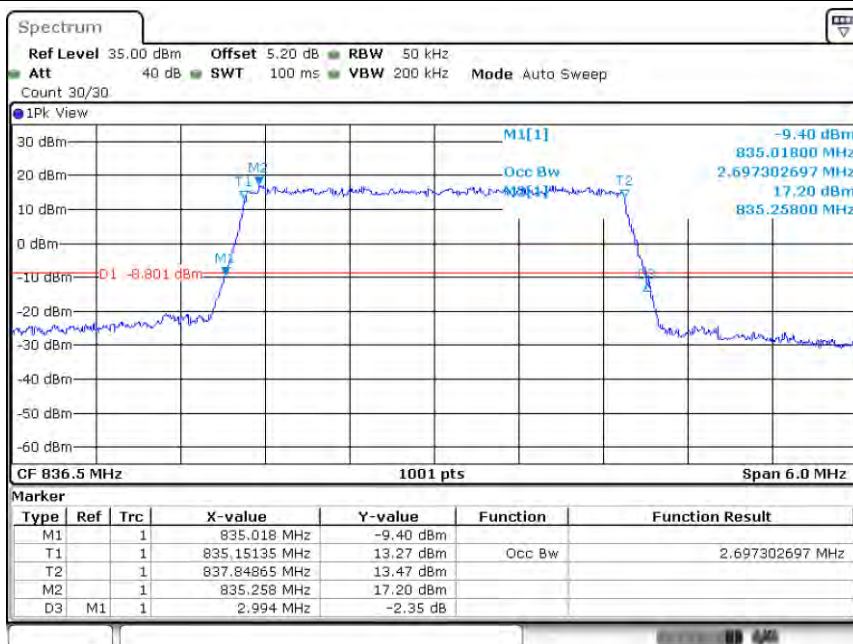


## Band5-3MHz-QPSK-20415-15RB#0-2.697



Date: 14.OCT.2020 09:06:09

## Band5-3MHz-QPSK-20525-15RB#0-2.697



Date: 14.OCT.2020 09:06:41

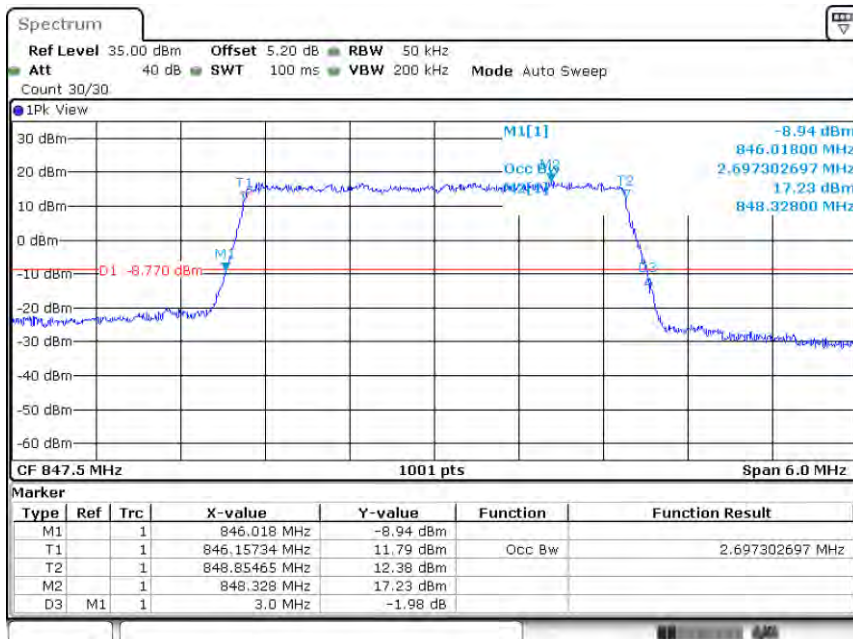


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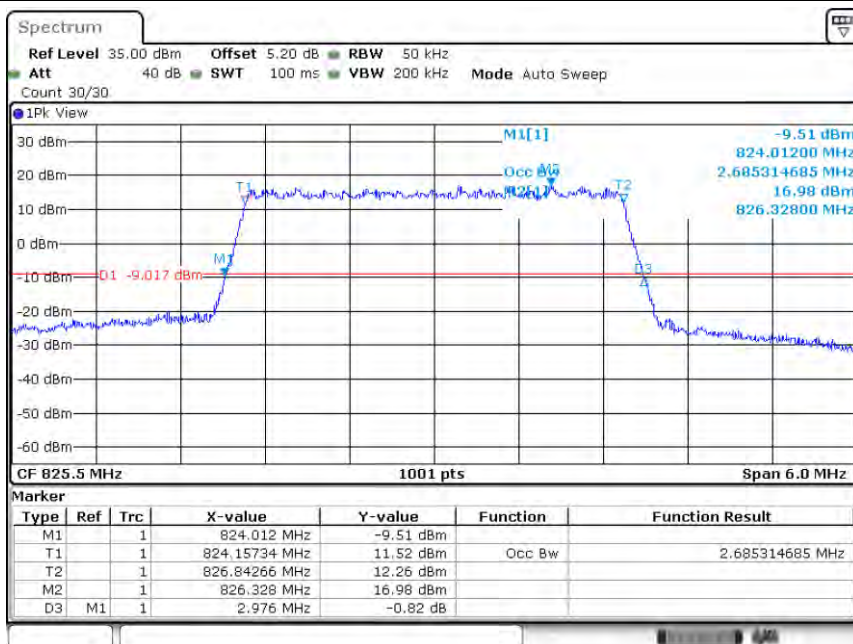
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## Band5-3MHz-QPSK-20635-15RB#0-2.697



Date: 14.OCT.2020 09:07:13

## Band5-3MHz-16QAM-20415-15RB#0-2.685

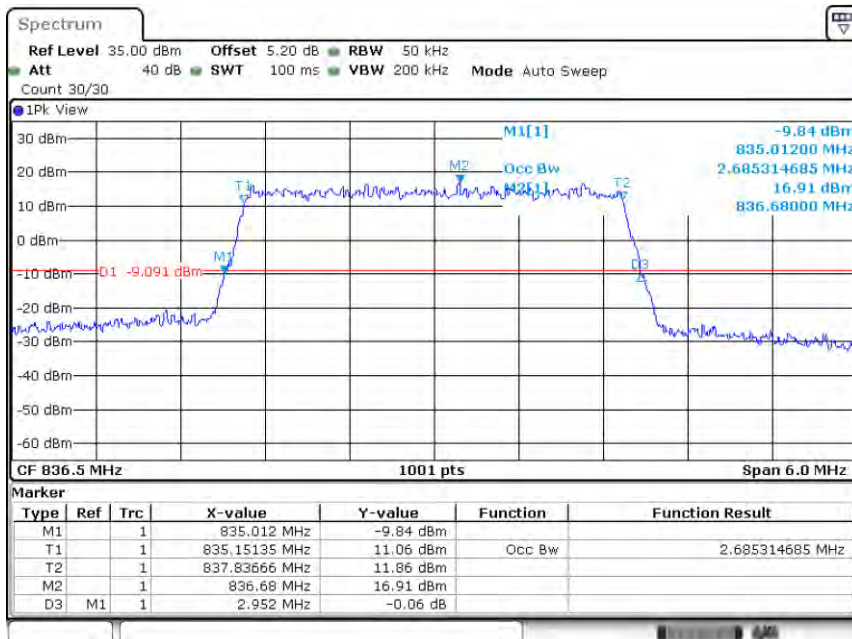


Date: 14.OCT.2020 09:06:25



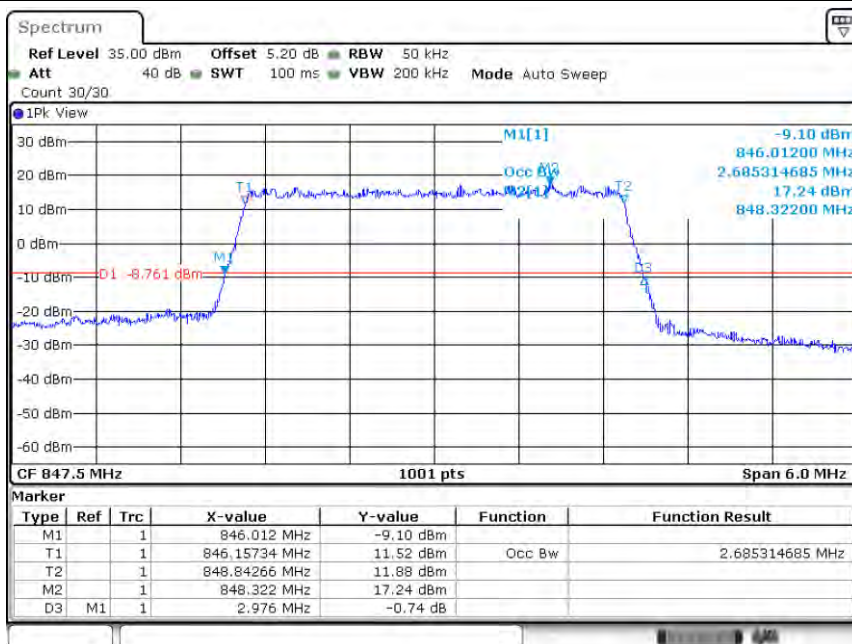
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## Band5-3MHz-16QAM-20525-15RB#0-2.685



Date: 14.OCT.2020 09:06:56

## Band5-3MHz-16QAM-20635-15RB#0-2.685



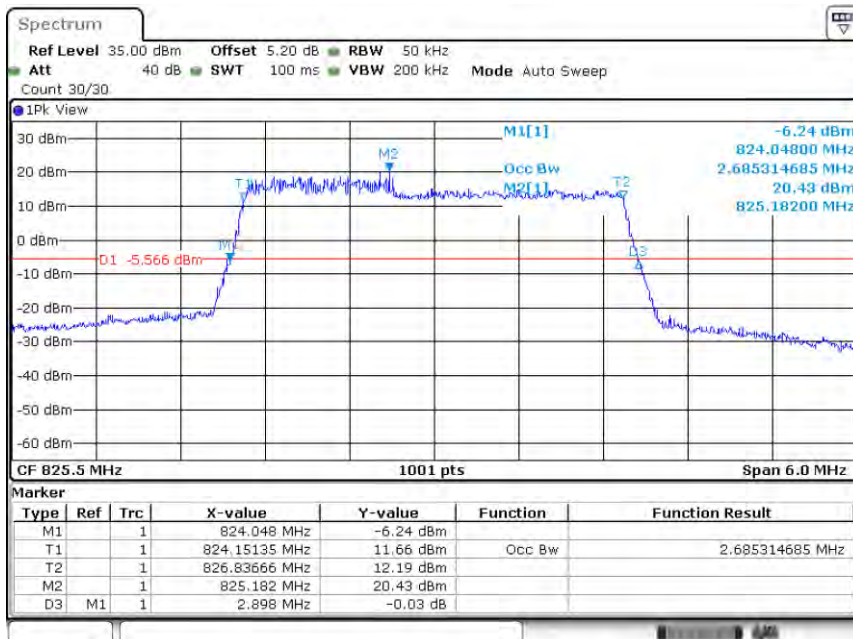
Date: 14.OCT.2020 09:07:28



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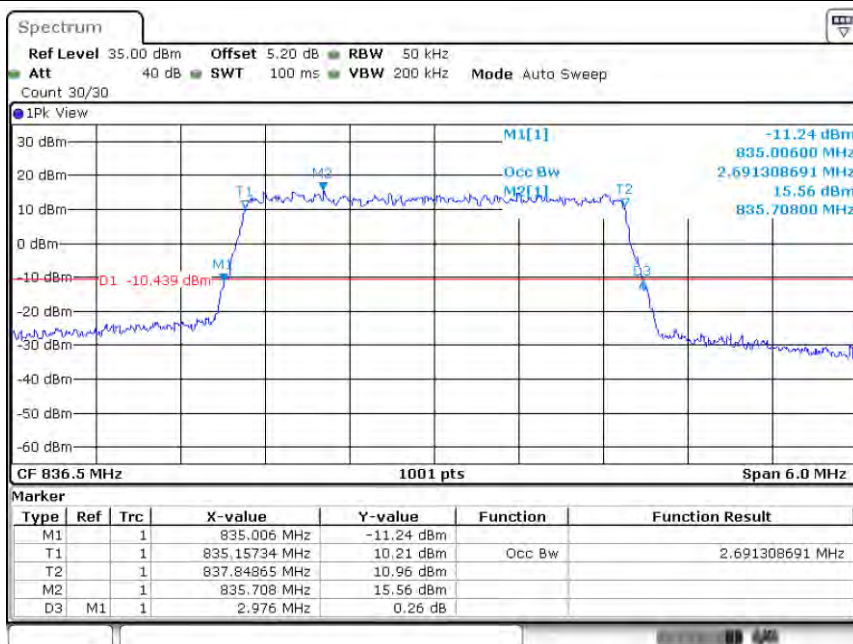
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## Band5-3MHz-64QAM-20415-15RB#0-2.685



Date: 14.OCT.2020 10:57:37

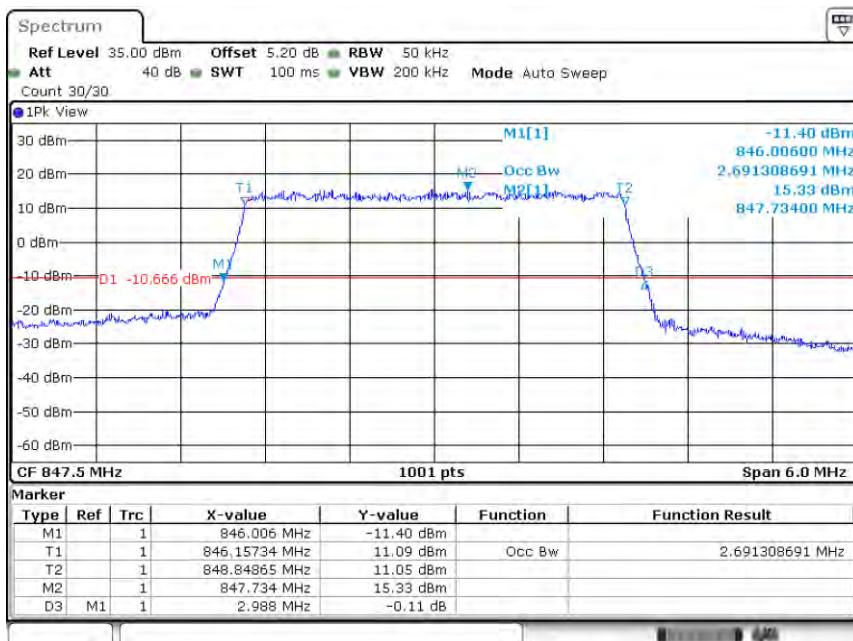
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Date: 14.OCT.2020 10:57:53

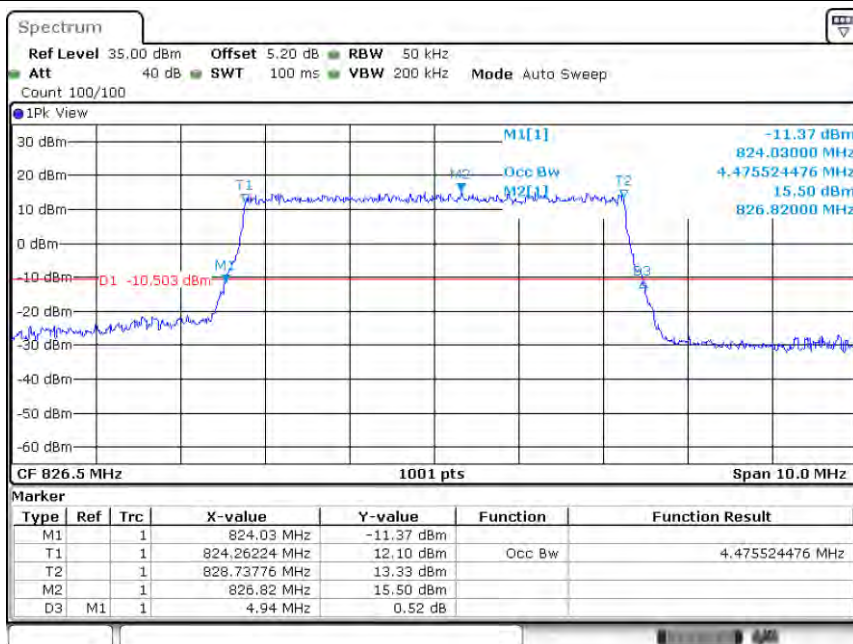


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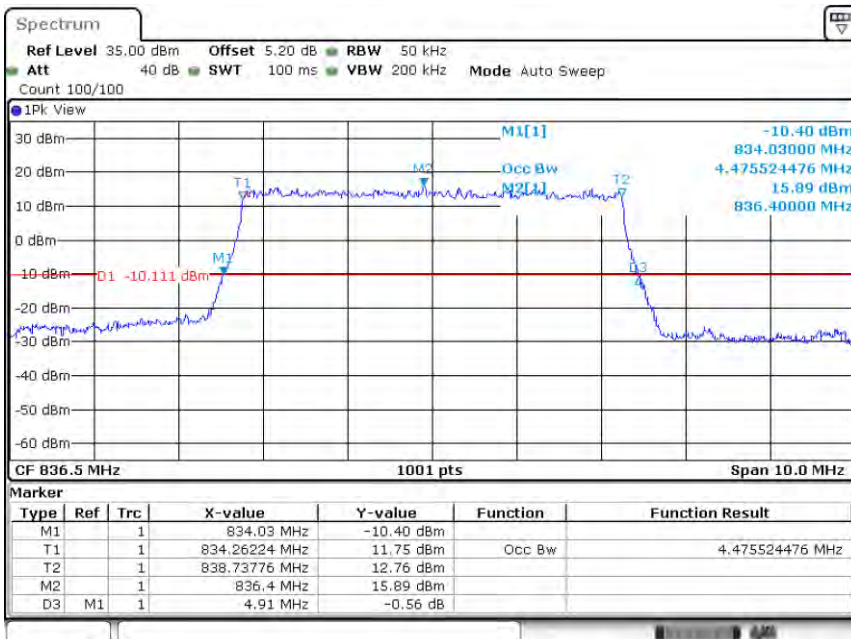
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Date: 14.OCT.2020 09:07:58

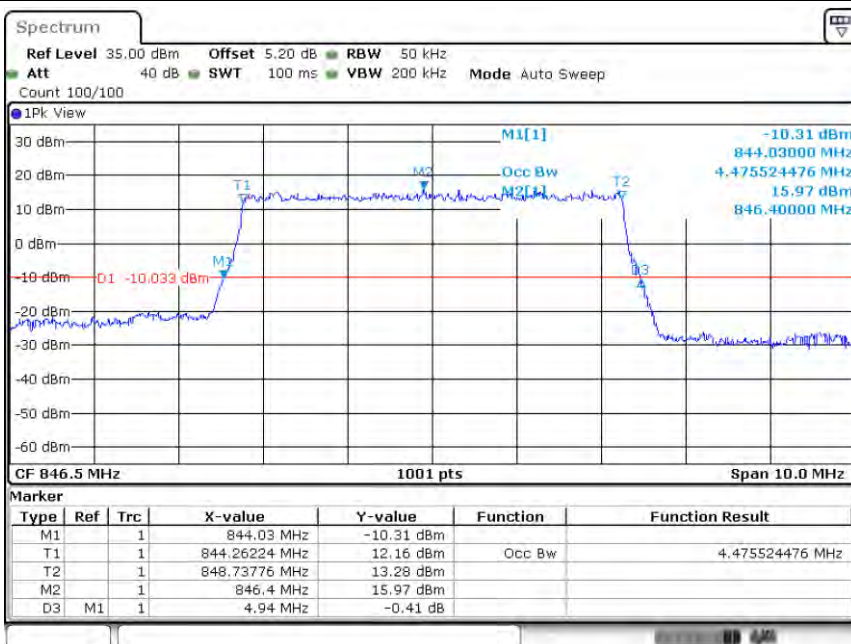


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Date: 14.OCT.2020 09:08:43

## Band5-5MHz-QPSK-20625-25RB#0-4.476



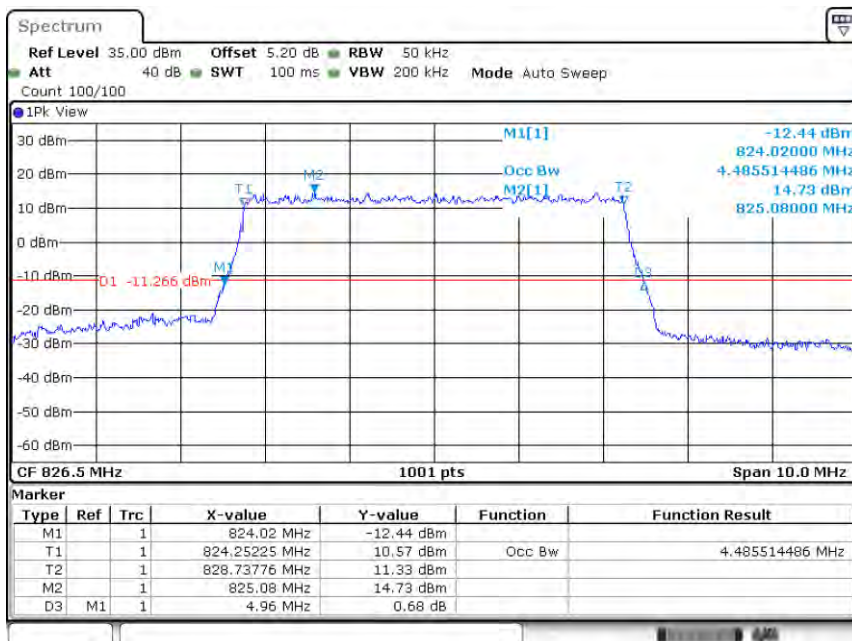
Date: 14.OCT.2020 09:09:29



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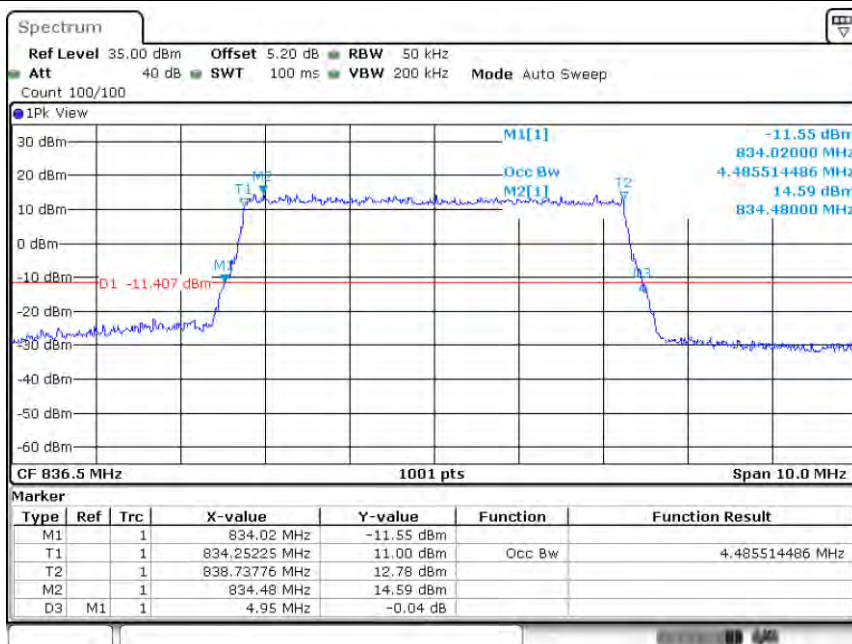
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## Band5-5MHz-16QAM-20425-25RB#0-4.486



Date: 14.OCT.2020 09:08:20

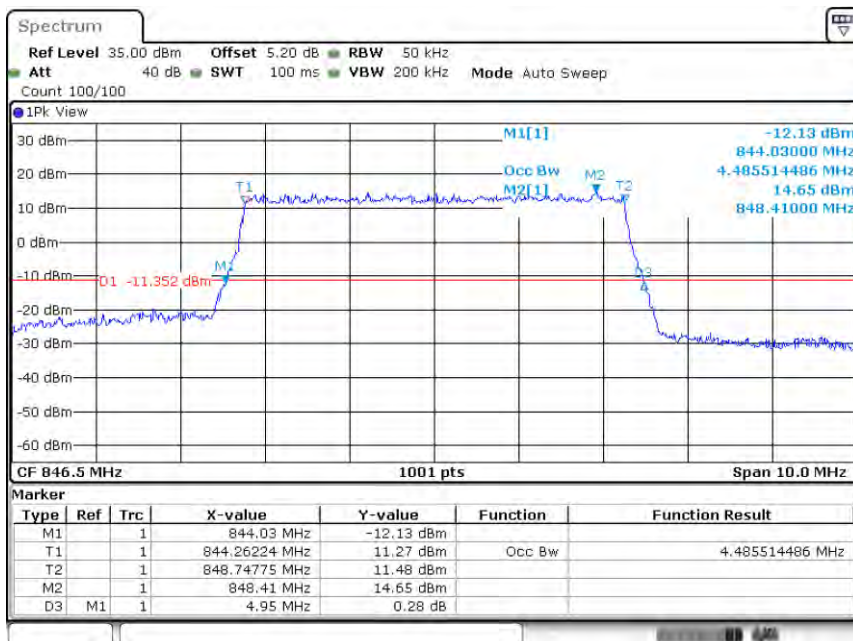
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Date: 14.OCT.2020 09:09:06

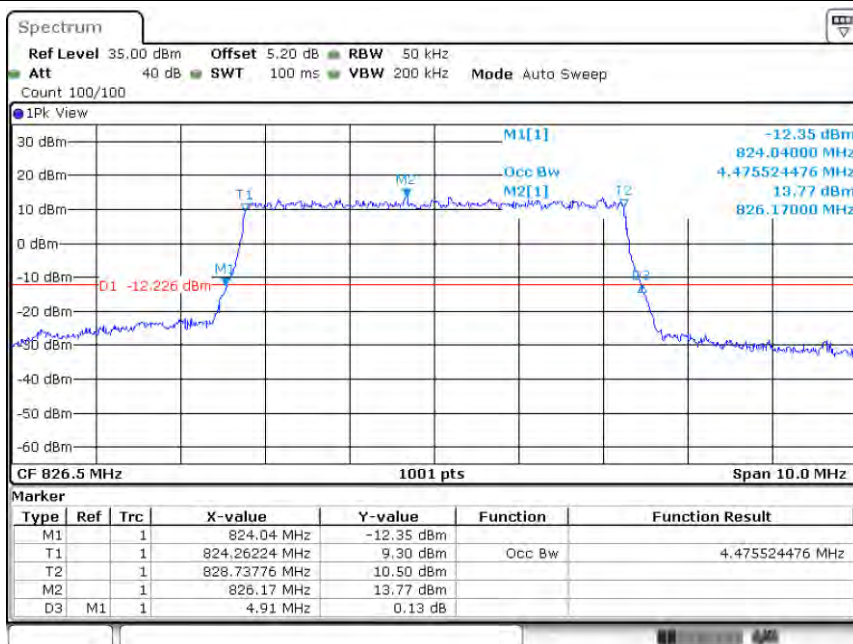


## Band5-5MHz-16QAM-20625-25RB#0-4.486



Date: 14.OCT.2020 09:09:52

## Band5-5MHz-64QAM-20425-25RB#0-4.476



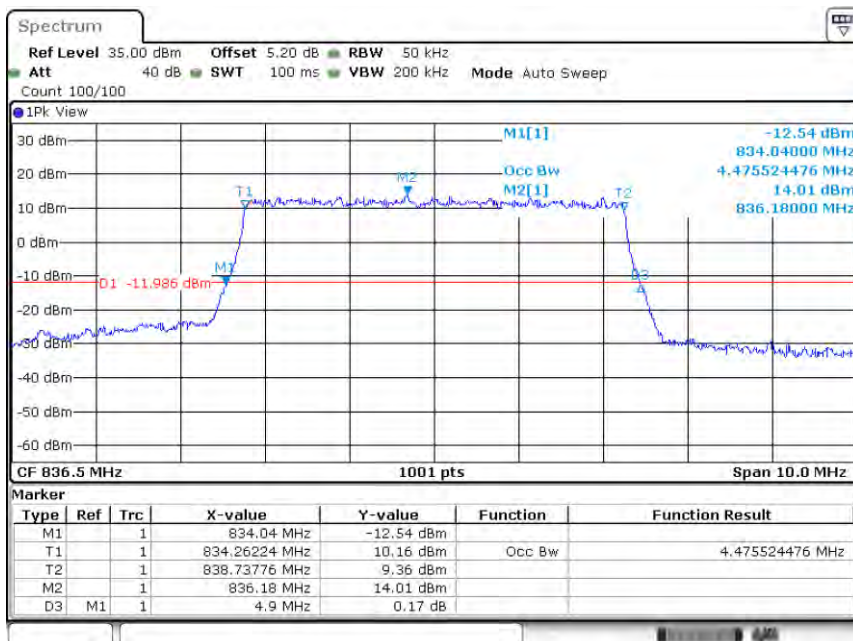
Date: 14.OCT.2020 10:58:39



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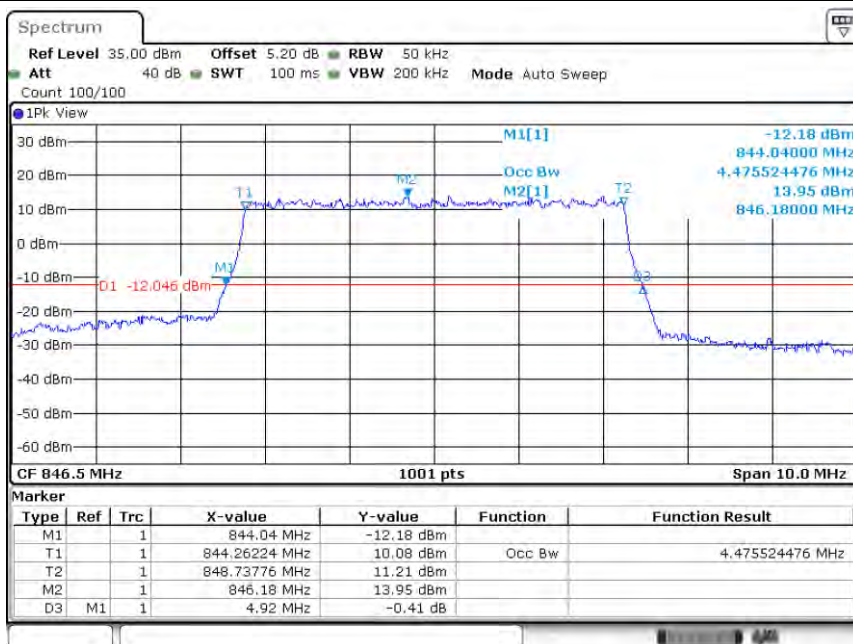
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## Band5-5MHz-64QAM-20525-25RB#0-4.476



Date: 14.OCT.2020 10:59:02

## Band5-5MHz-64QAM-20625-25RB#0-4.476



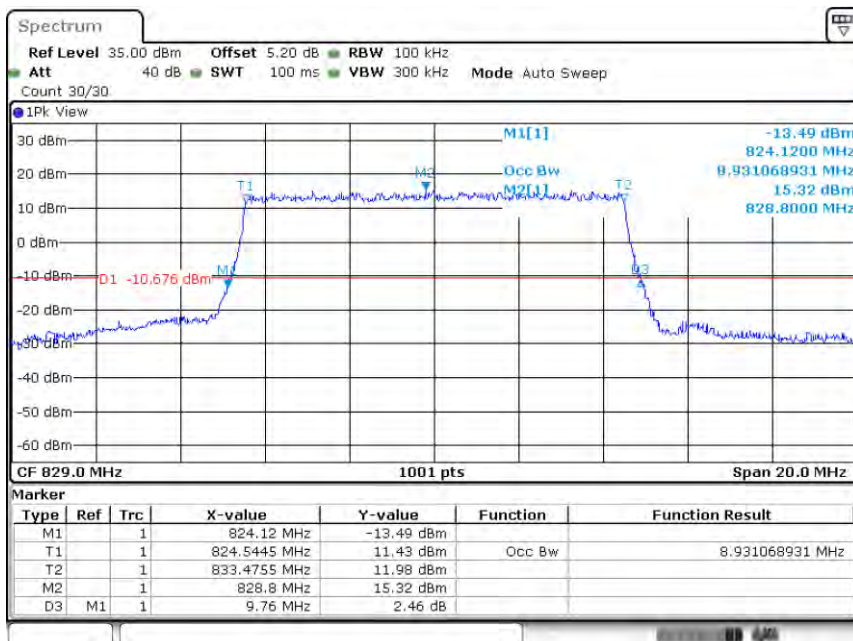
Date: 14.OCT.2020 10:59:25



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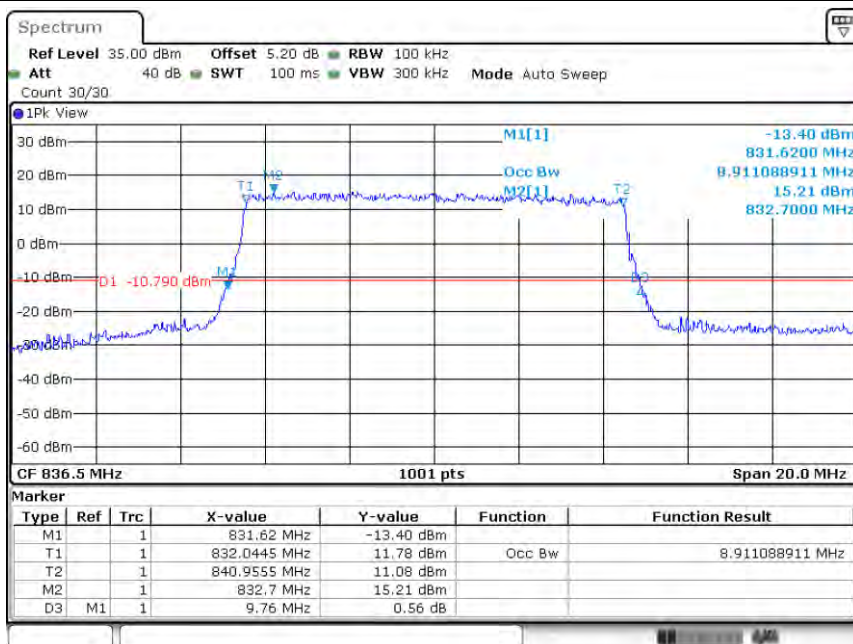
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## Band5-10MHz-QPSK-20450-50RB#0-8.931



Date: 14.OCT.2020 09:10:14

## Band5-10MHz-QPSK-20525-50RB#0-8.911



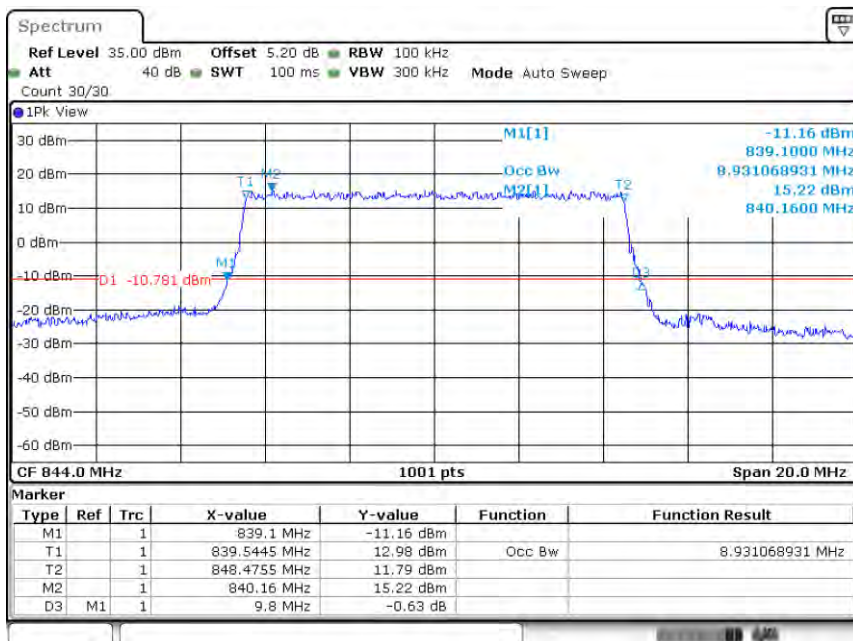
Date: 14.OCT.2020 09:10:46



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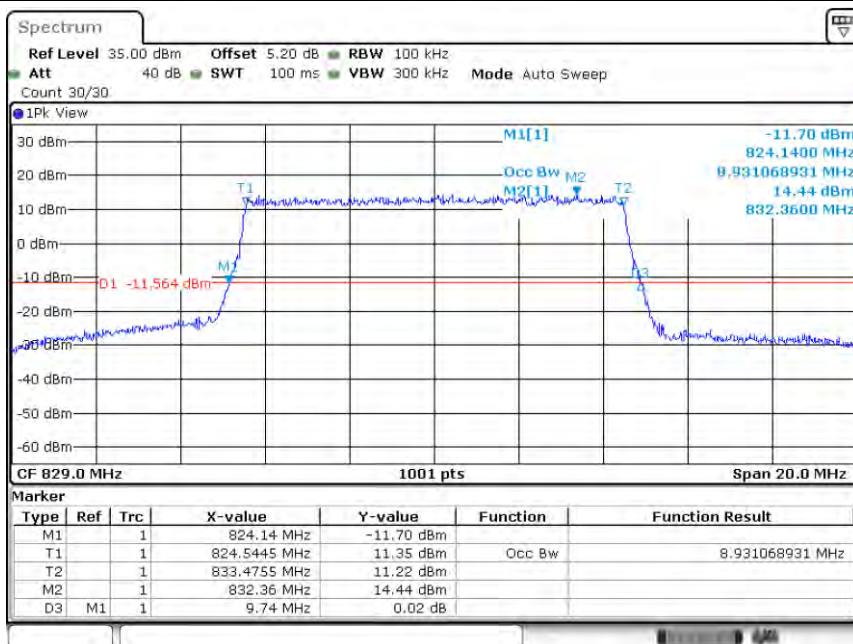
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## Band5-10MHz-QPSK-20600-50RB#0-8.931



Date: 14.OCT.2020 09:11:18

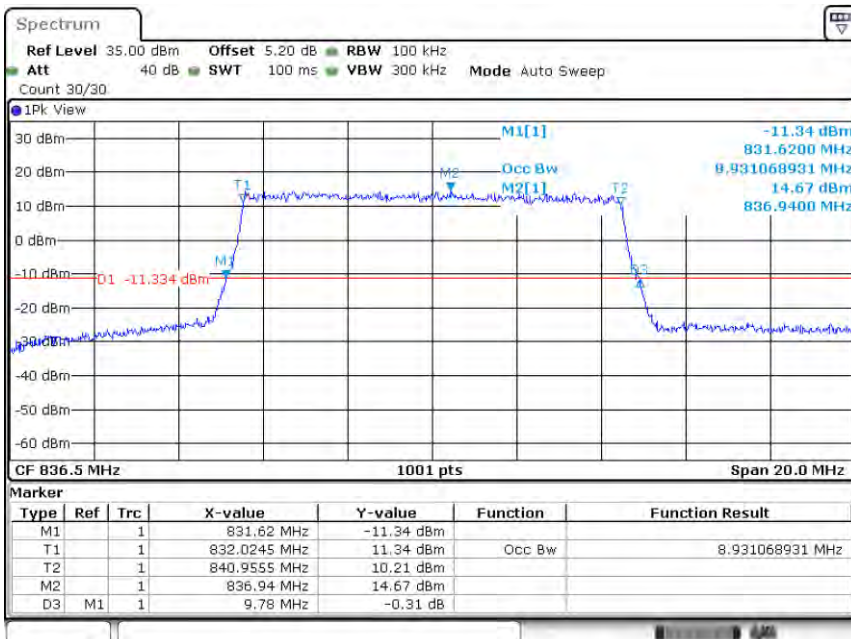
## Band5-10MHz-16QAM-20450-50RB#0-8.931



Date: 14.OCT.2020 09:10:30

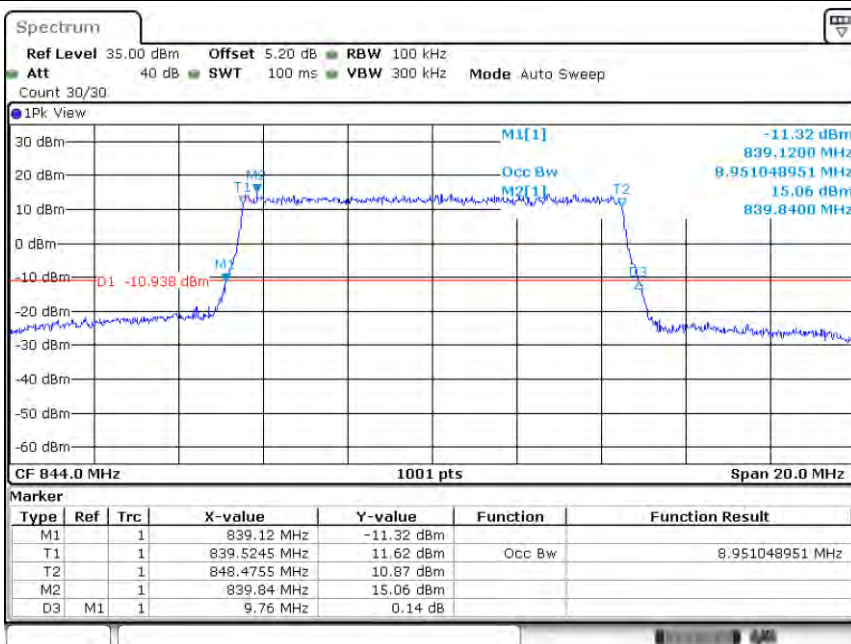


## Band5-10MHz-16QAM-20525-50RB#0-8.931



Date: 14.OCT.2020 09:11:02

## Band5-10MHz-16QAM-20600-50RB#0-8.951



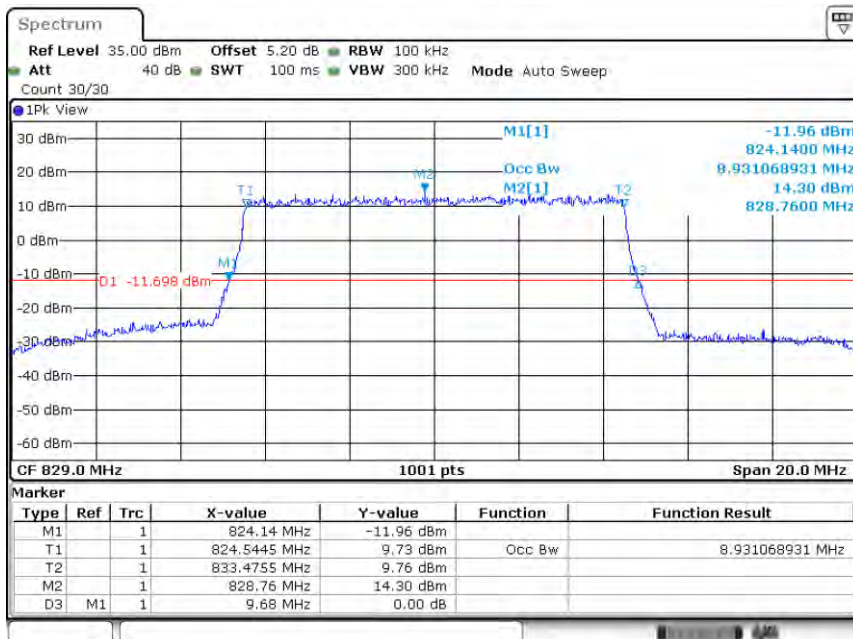
Date: 14.OCT.2020 09:11:34



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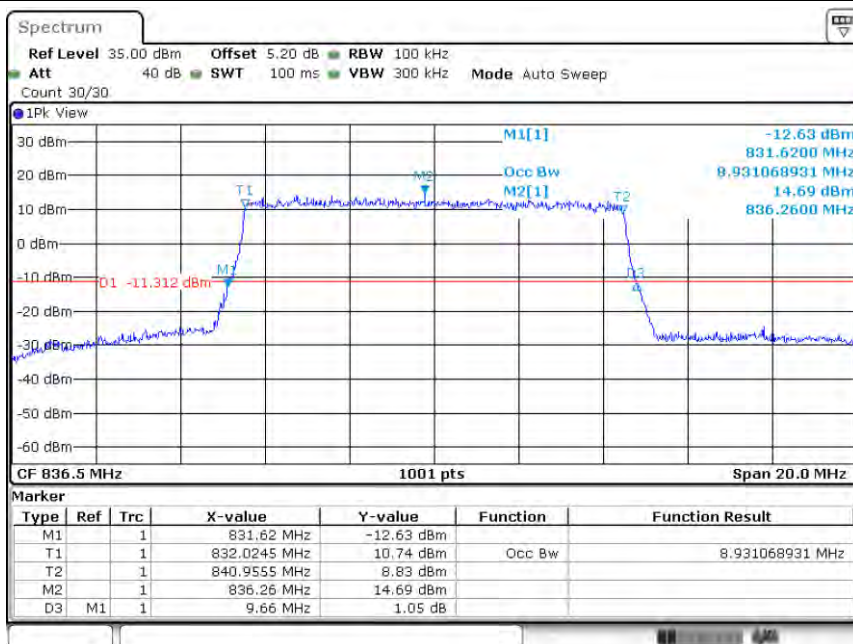
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## Band5-10MHz-64QAM-20450-50RB#0-8.931



Date: 14.OCT.2020 10:59:48

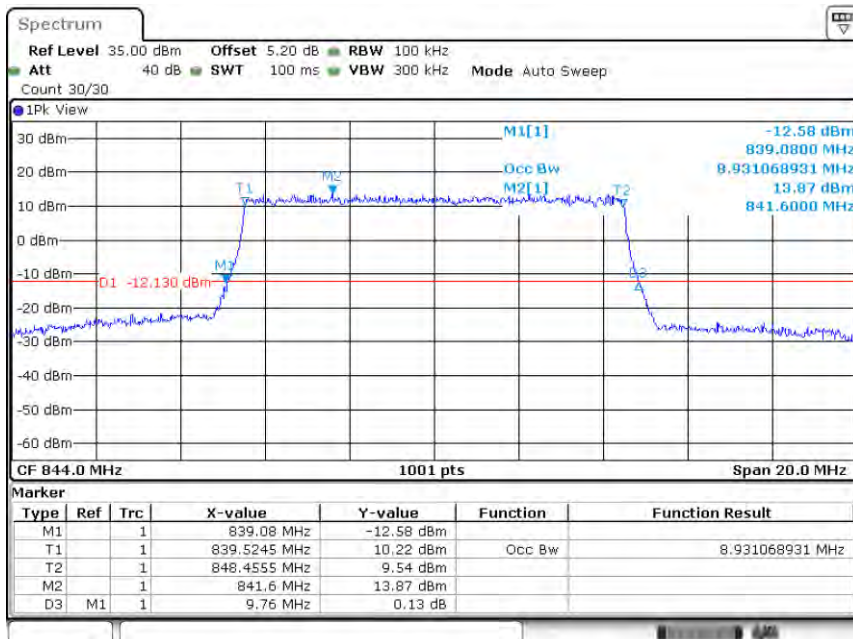
## Band5-10MHz-64QAM-20525-50RB#0-8.931



Date: 14.OCT.2020 11:00:04



## Band5-10MHz-64QAM-20600-50RB#0-8.931



Date: 14.OCT.2020 11:00:20



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

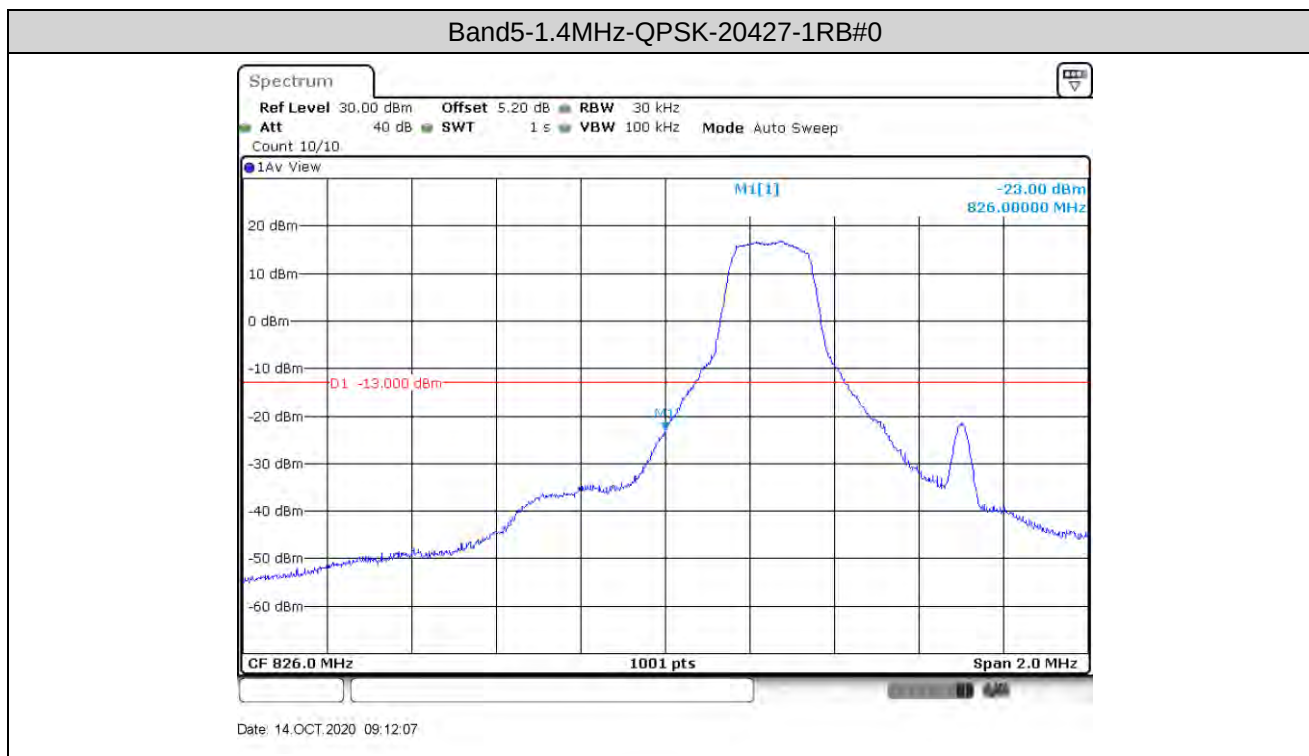
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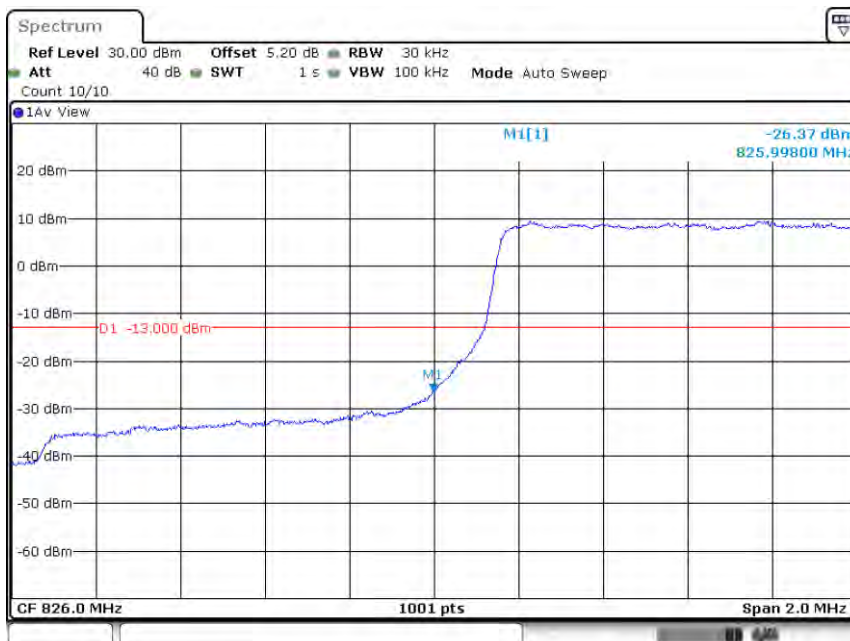


## 5 Band Edge Compliance

### 5.1 Test Plots

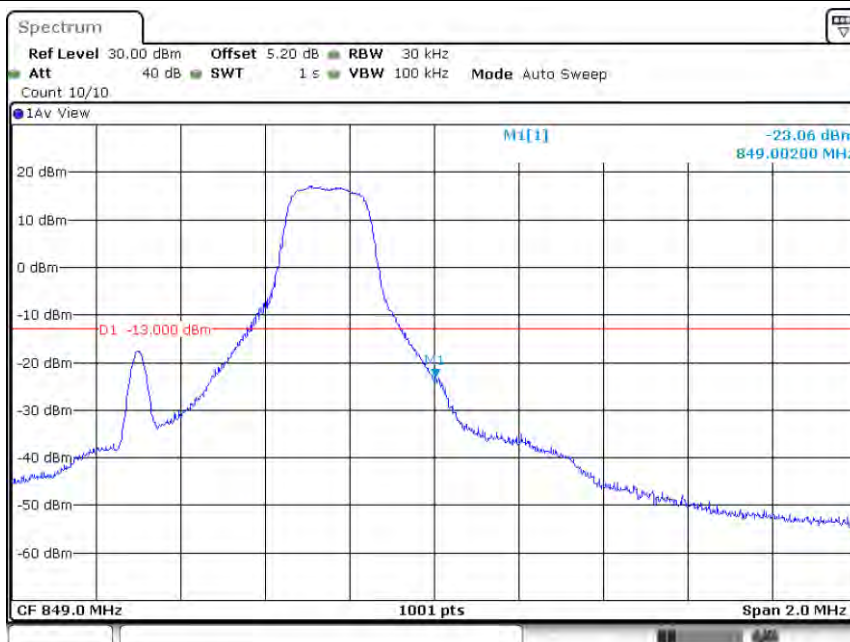


**Band5-1.4MHz-QPSK-20427-6RB#0**



Date: 14.OCT.2020 09:12:54

**Band5-1.4MHz-QPSK-20643-1RB#5**



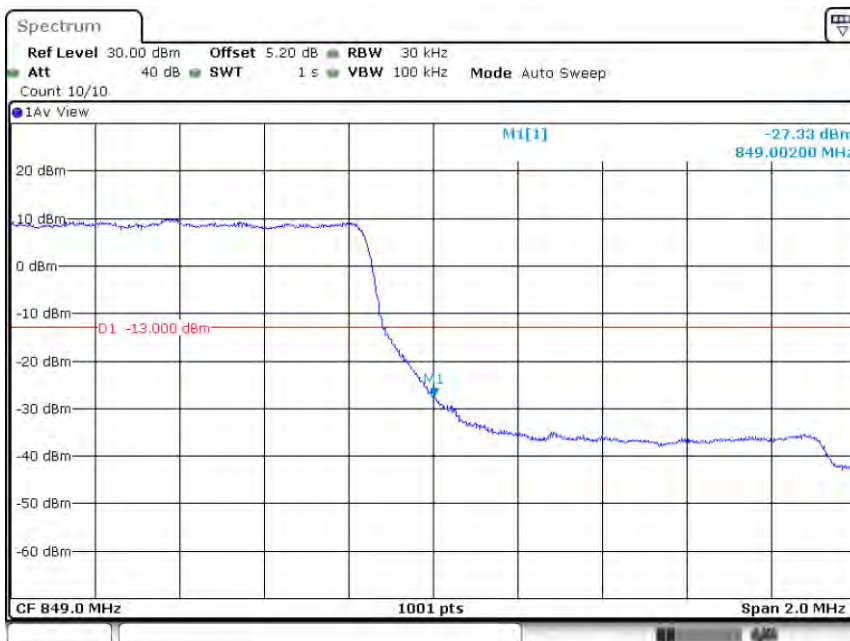
Date: 14.OCT.2020 09:13:49



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## Band5-1.4MHz-QPSK-20643-6RB#0



Date: 14.OCT.2020 09:14:36

## Band5-1.4MHz-16QAM-20427-1RB#0



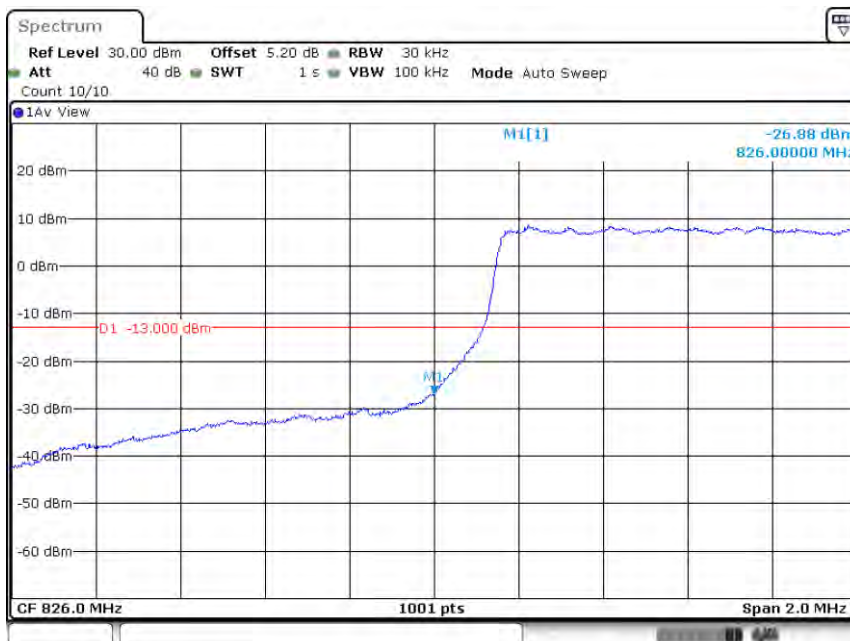
Date: 14.OCT.2020 09:12:30



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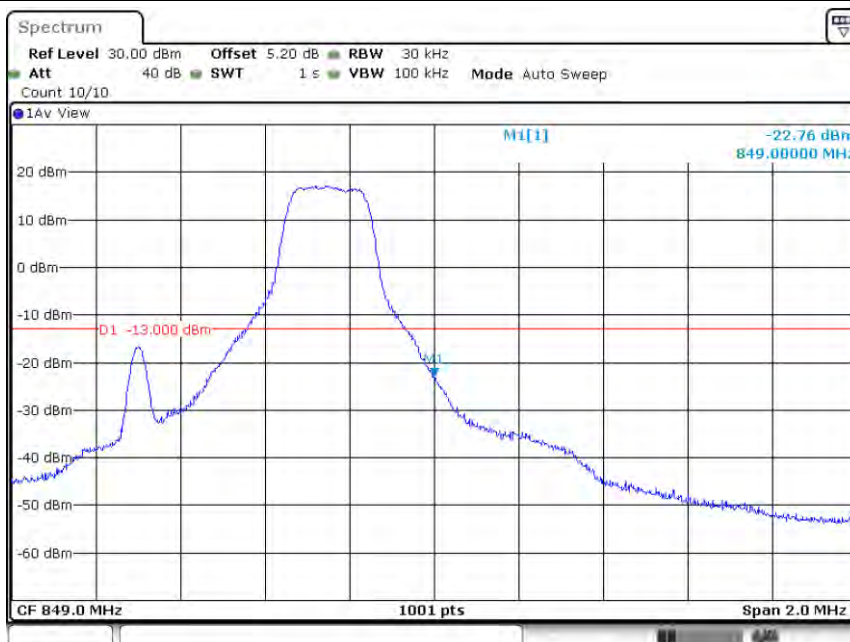
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## Band5-1.4MHz-16QAM-20427-6RB#0



Date: 14.OCT.2020 09:13:18

## Band5-1.4MHz-16QAM-20643-1RB#5



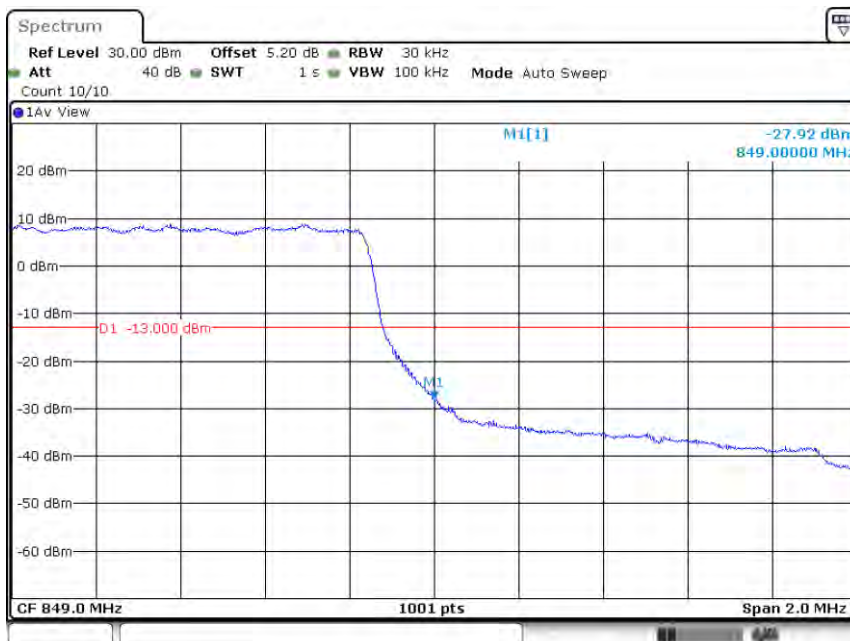
Date: 14.OCT.2020 09:14:13



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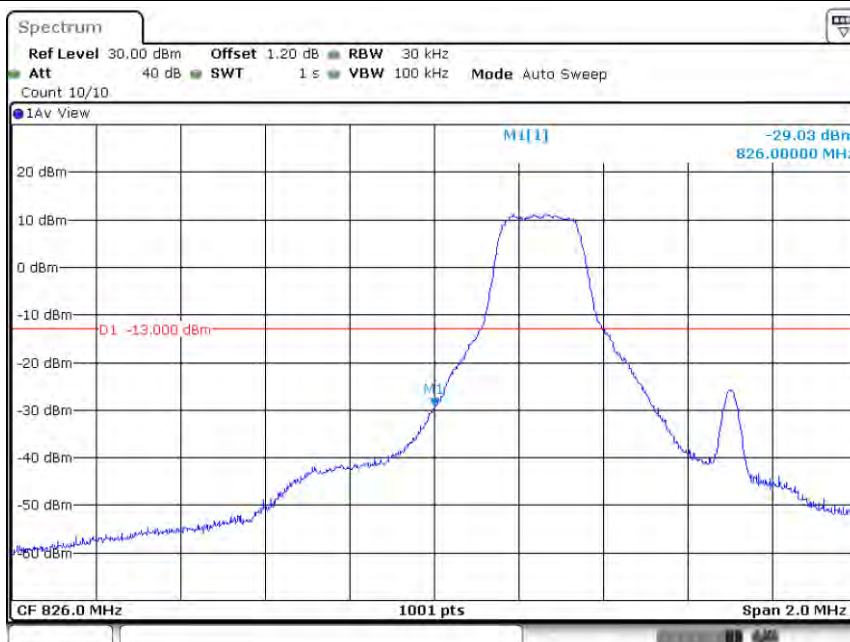
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**Band5-1.4MHz-16QAM-20643-6RB#0**



Date: 14.OCT.2020 09:15:00

**Band5-1.4MHz-64QAM-20427-1RB#0**



Date: 15.OCT.2020 11:52:22



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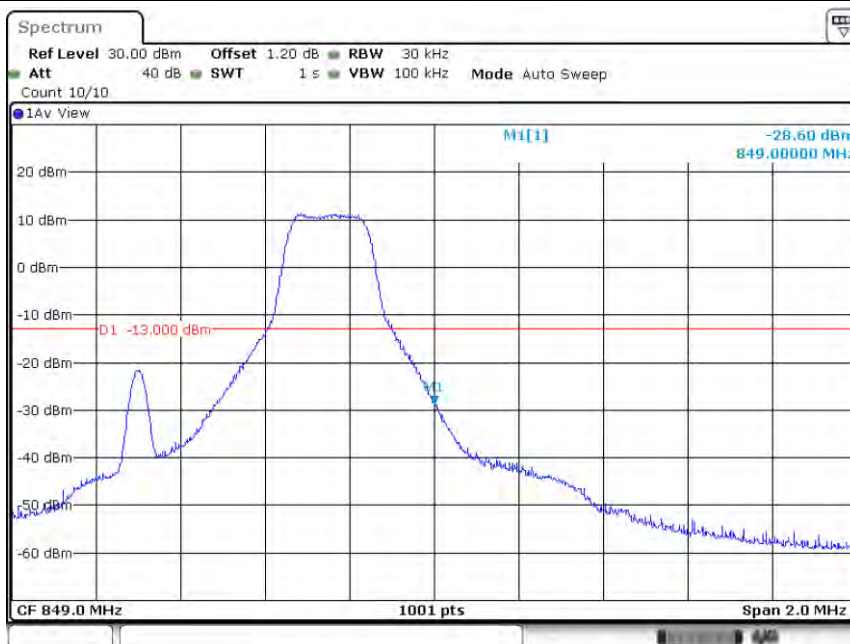
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## Band5-1.4MHz-64QAM-20427-6RB#0



Date: 15.OCT.2020 11:52:45

## Band5-1.4MHz-64QAM-20643-1RB#5



Date: 15.OCT.2020 11:53:18



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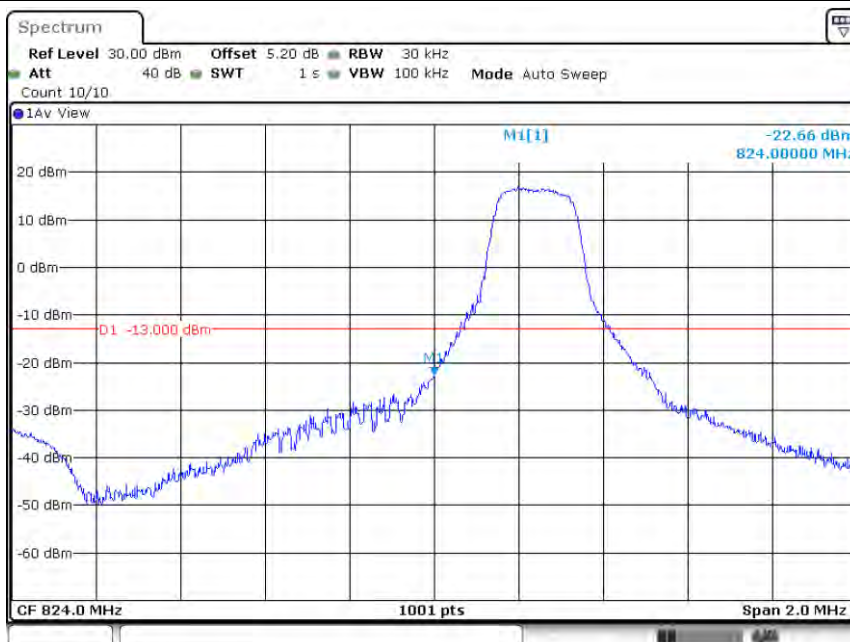
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## Band5-1.4MHz-64QAM-20643-6RB#0



Date: 15.OCT.2020 11:53:41

## Band5-3MHz-QPSK-20415-1RB#0



Date: 14.OCT.2020 09:15:33



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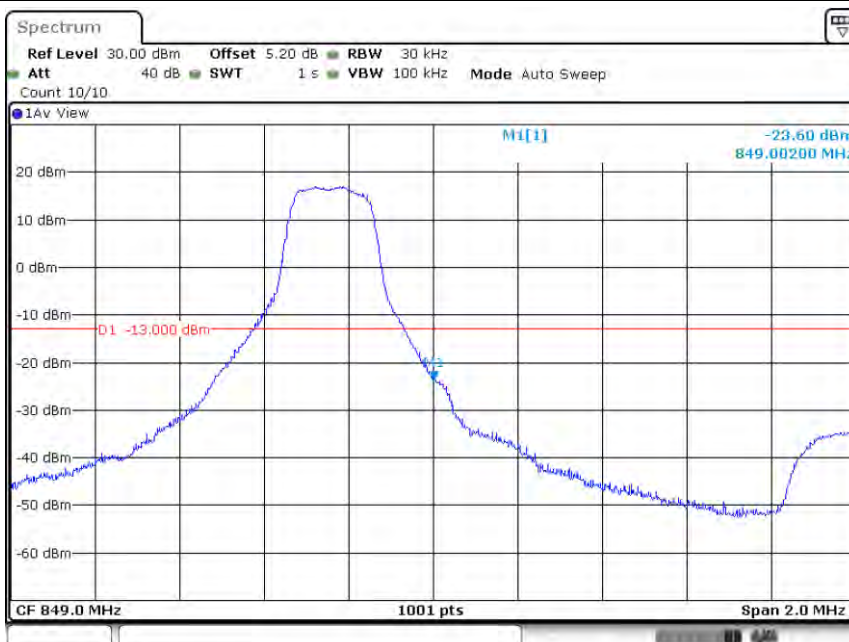
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## Band5-3MHz-QPSK-20415-15RB#0



Date: 14.OCT.2020 09:16:19

## Band5-3MHz-QPSK-20635-1RB#14



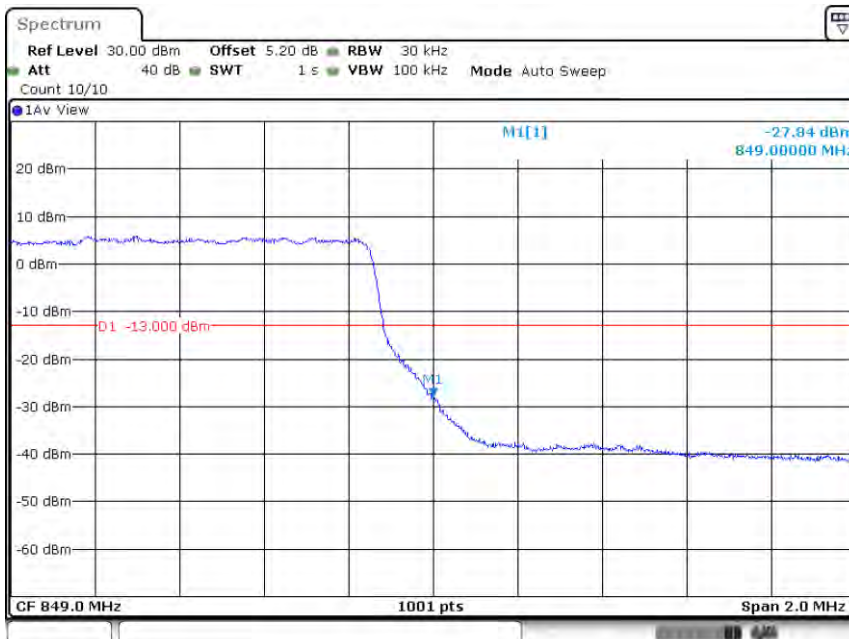
Date: 14.OCT.2020 09:17:14



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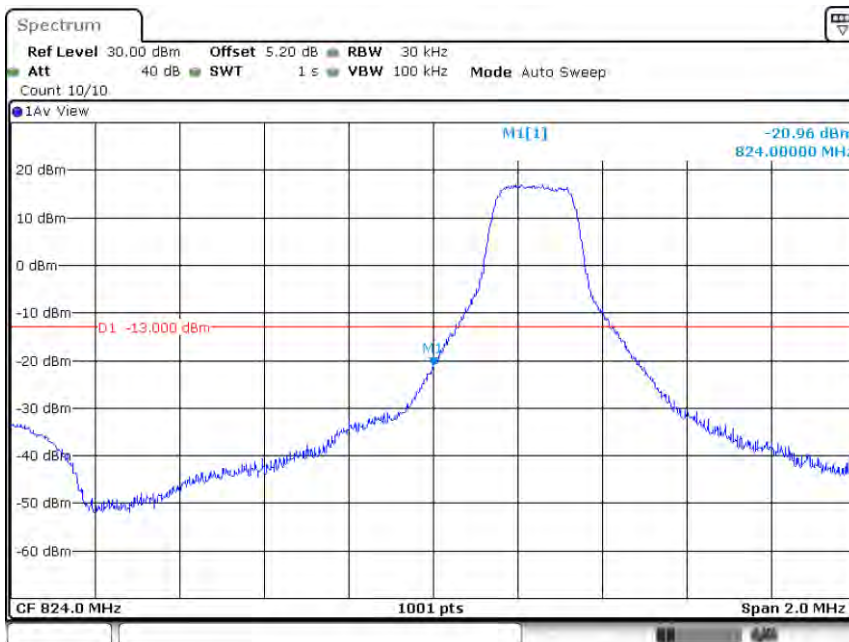
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## Band5-3MHz-QPSK-20635-15RB#0



Date: 14.OCT.2020 09:18:01

## Band5-3MHz-16QAM-20415-1RB#0



Date: 14.OCT.2020 09:15:56



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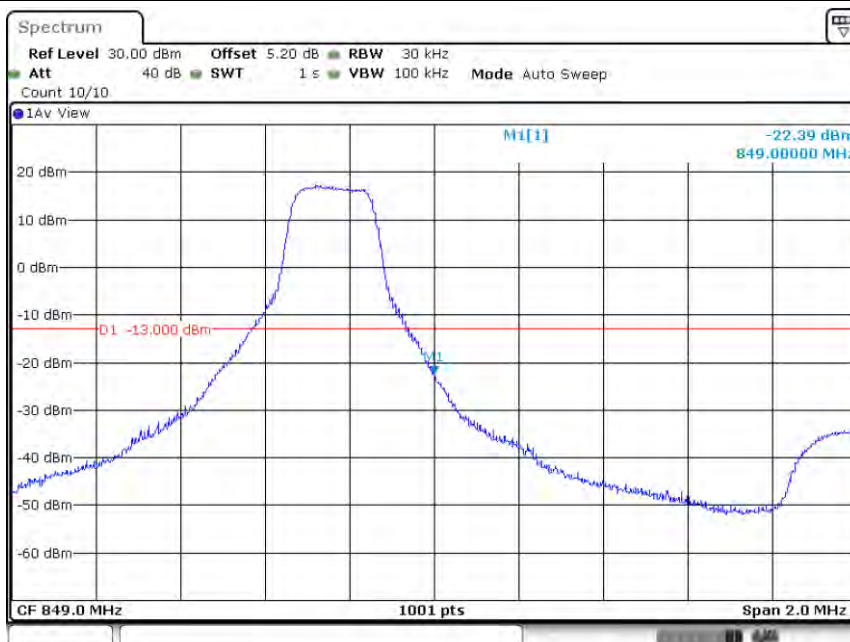
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**Band5-3MHz-16QAM-20415-15RB#0**



Date: 14.OCT.2020 09:16:43

**Band5-3MHz-16QAM-20635-1RB#14**



Date: 14.OCT.2020 09:17:37



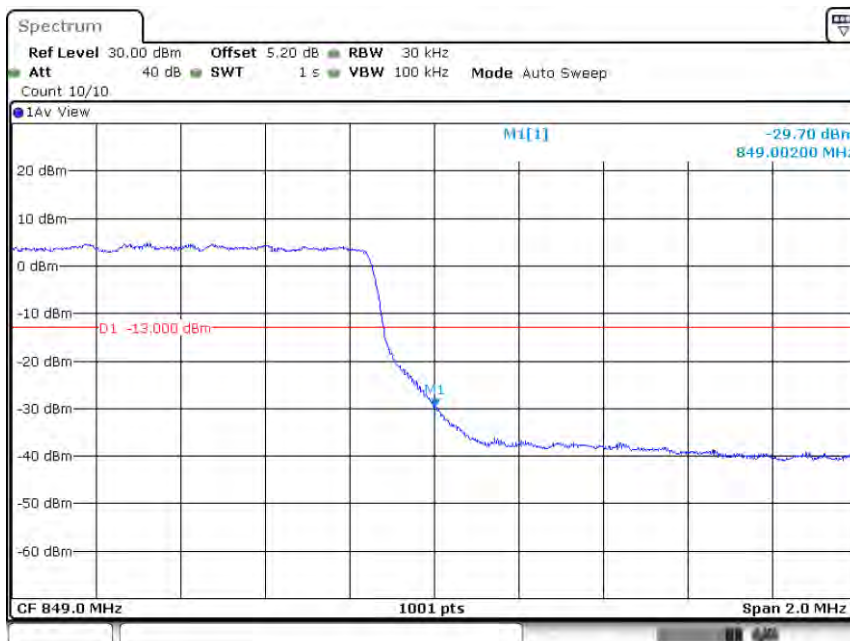
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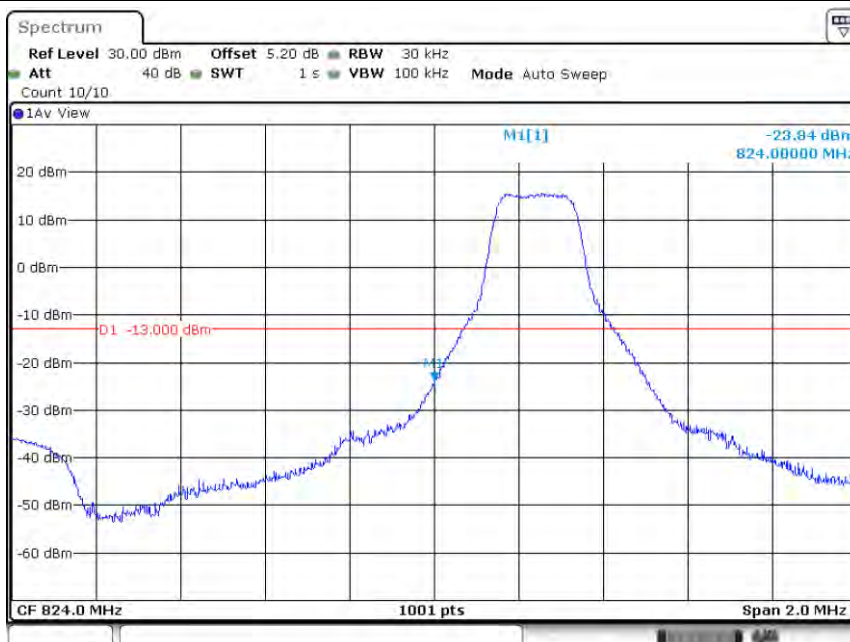
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## Band5-3MHz-16QAM-20635-15RB#0



Date: 14.OCT.2020 09:18:24

## Band5-3MHz-64QAM-20415-1RB#0



Date: 14.OCT.2020 11:00:54



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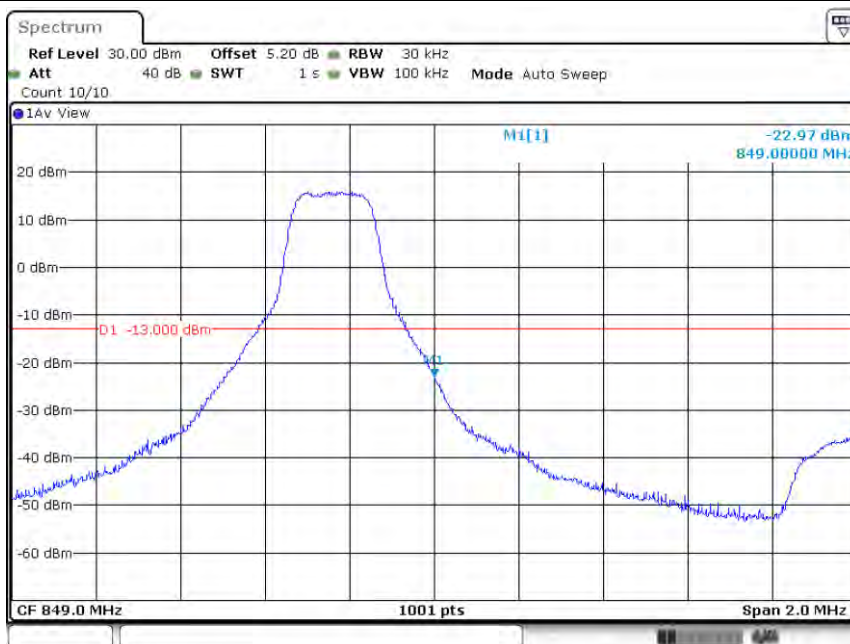
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## Band5-3MHz-64QAM-20415-15RB#0



Date: 14.OCT.2020 11:01:18

## Band5-3MHz-64QAM-20635-1RB#14



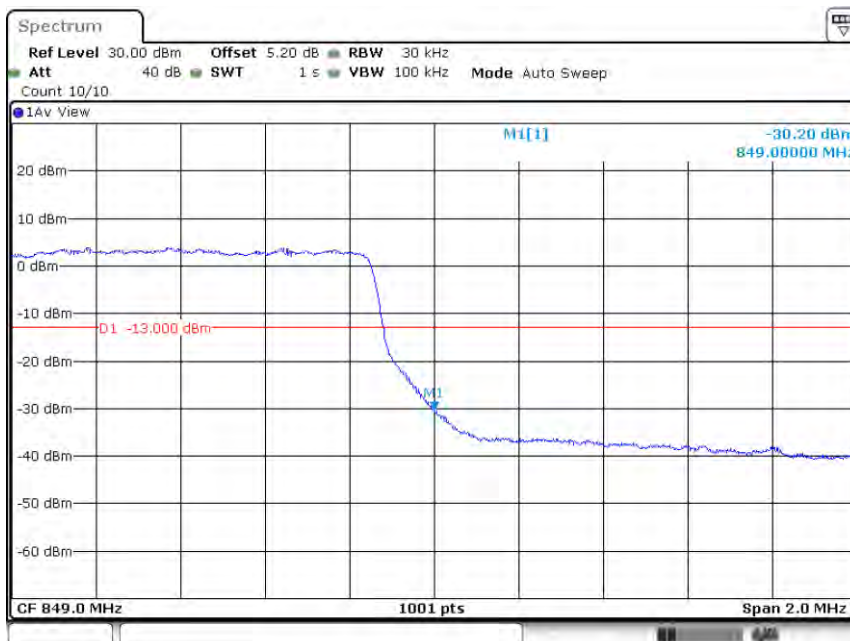
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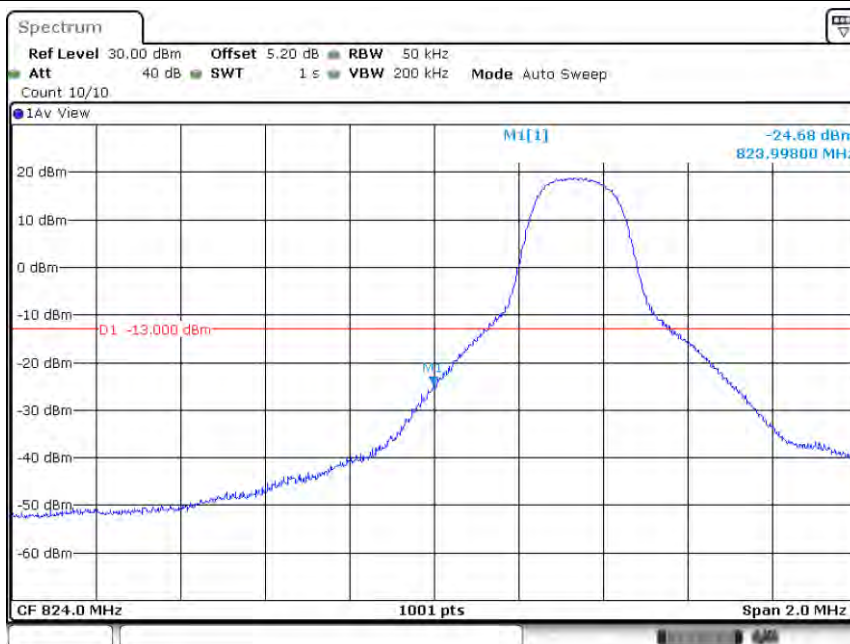
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## Band5-3MHz-64QAM-20635-15RB#0



Date: 14.OCT.2020 11:02:14

## Band5-5MHz-QPSK-20425-1RB#0



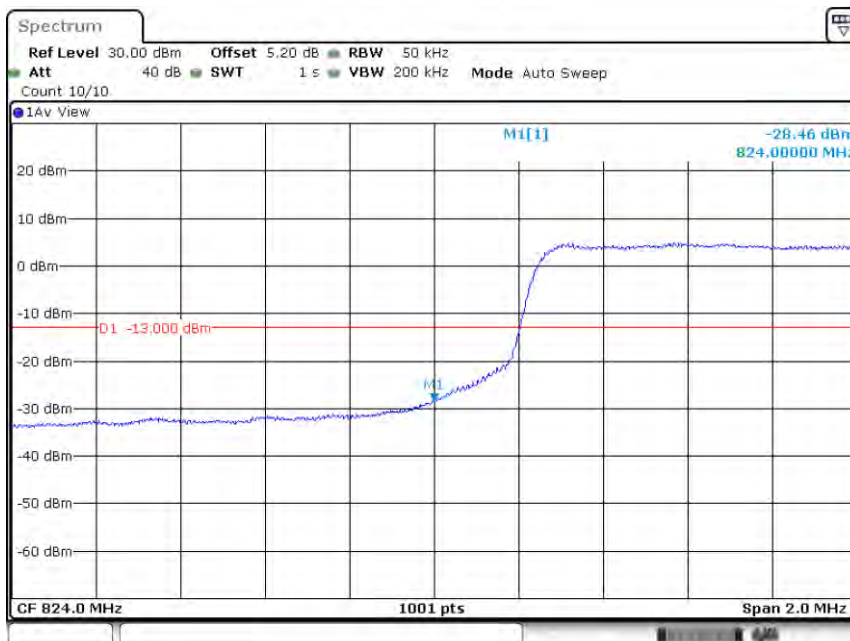
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**Band5-5MHz-QPSK-20425-25RB#0**



Date: 14.OCT.2020 09:19:44

**Band5-5MHz-QPSK-20625-1RB#24**



Date: 14.OCT.2020 09:20:39



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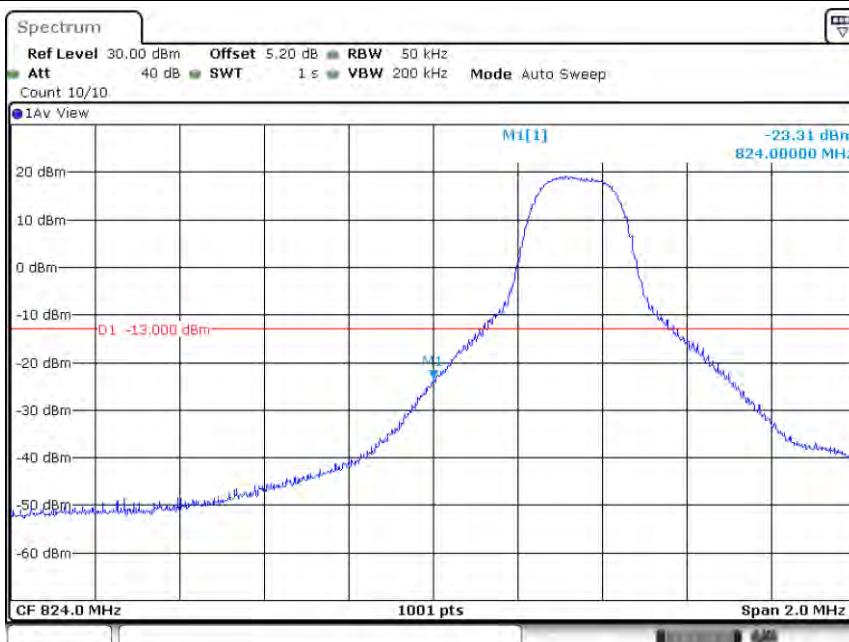
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## Band5-5MHz-QPSK-20625-25RB#0



Date: 14.OCT.2020 09:21:26

## Band5-5MHz-16QAM-20425-1RB#0



Date: 14.OCT.2020 09:19:20



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## Band5-5MHz-16QAM-20425-25RB#0



Date: 14.OCT.2020 09:20:07

## Band5-5MHz-16QAM-20625-1RB#24



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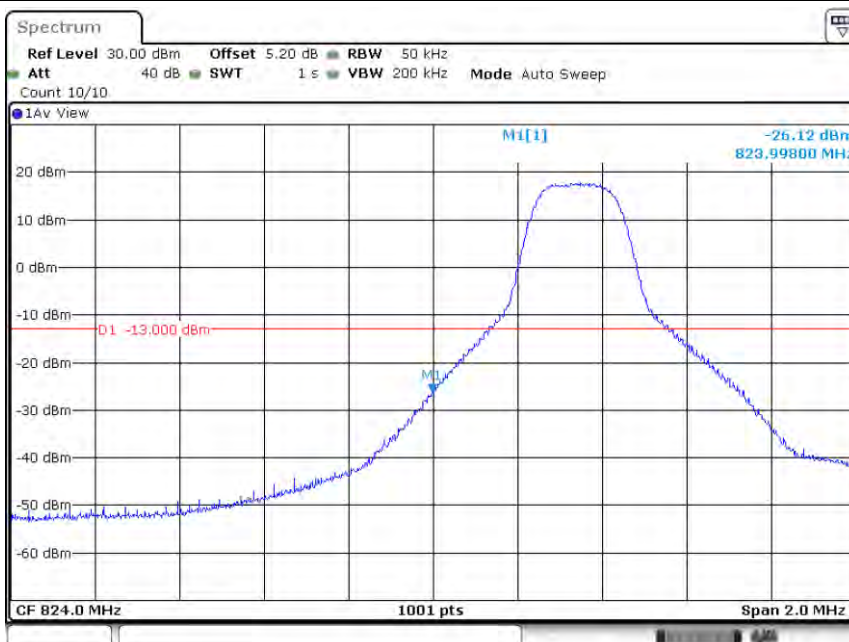
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**Band5-5MHz-16QAM-20625-25RB#0**



Date: 14.OCT.2020 09:21:49

**Band5-5MHz-64QAM-20425-1RB#0**



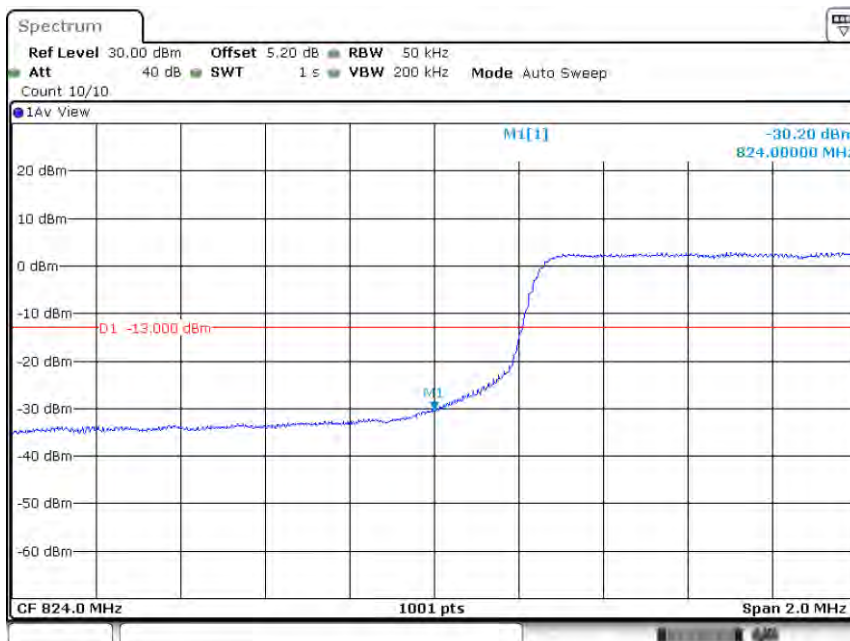
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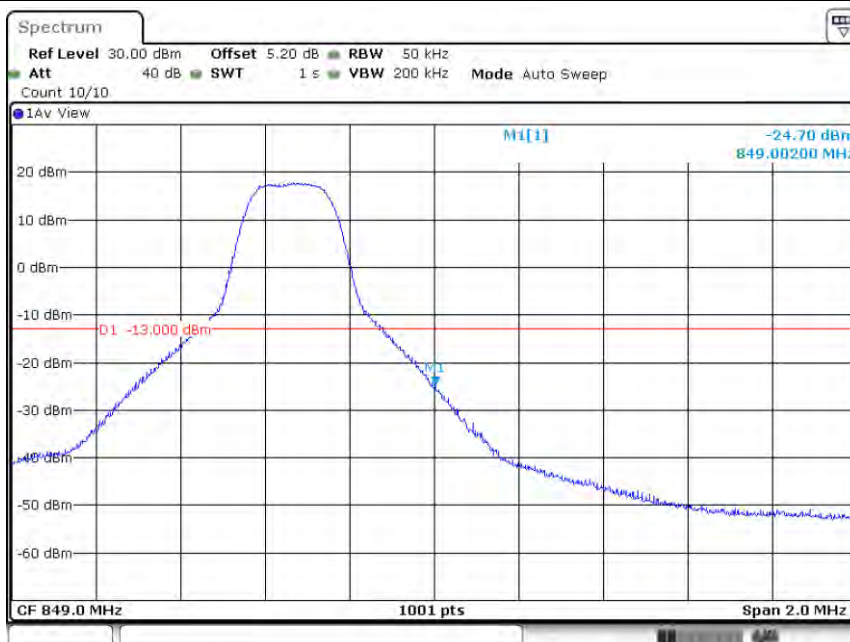
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**Band5-5MHz-64QAM-20425-25RB#0**



Date: 14.OCT.2020 11:03:11

**Band5-5MHz-64QAM-20625-1RB#24**



Date: 14.OCT.2020 11:03:44

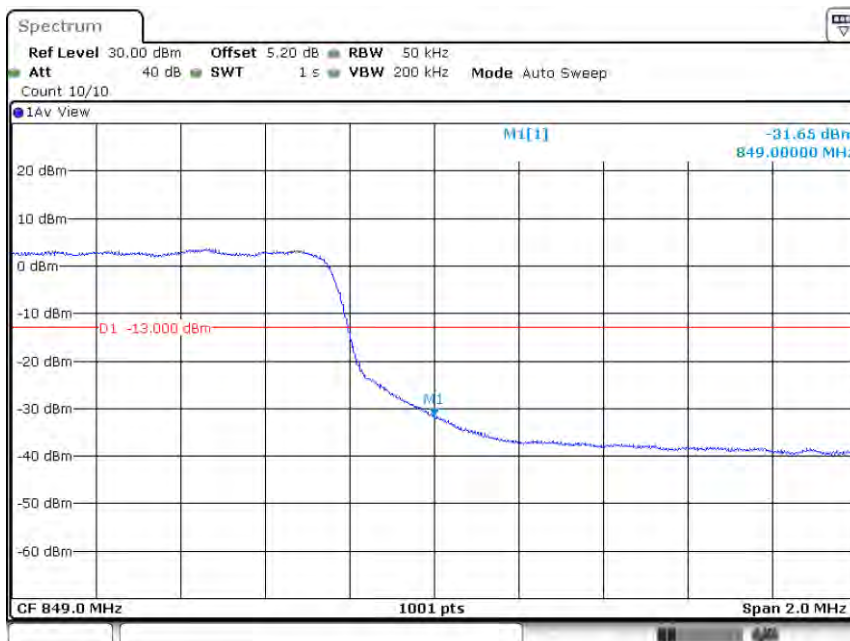


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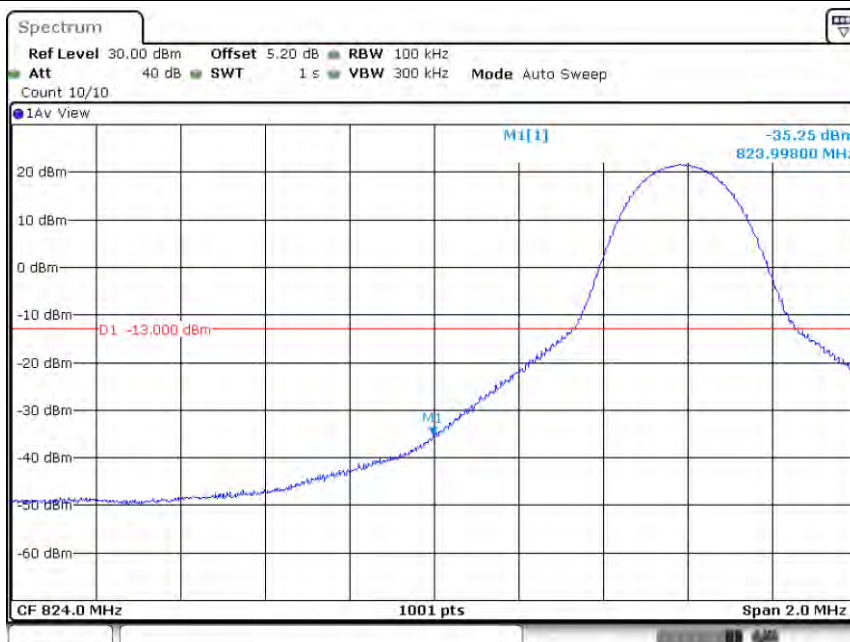
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## Band5-5MHz-64QAM-20625-25RB#0



Date: 14.OCT.2020 11:04:07

## Band5-10MHz-QPSK-20450-1RB#0



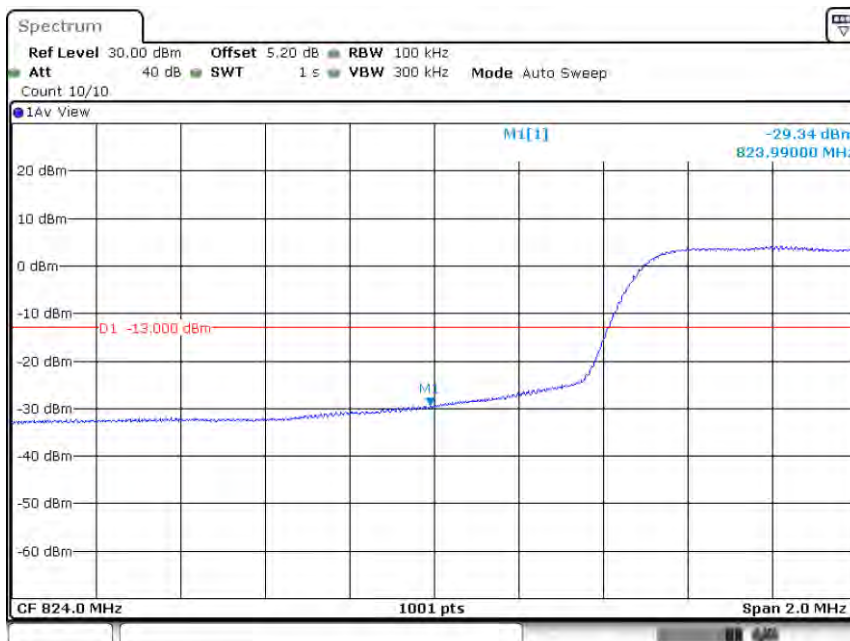
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**Band5-10MHz-QPSK-20450-50RB#0**



Date: 14.OCT.2020 09:23:09

**Band5-10MHz-QPSK-20600-1RB#49**



Date: 14.OCT.2020 09:24:04



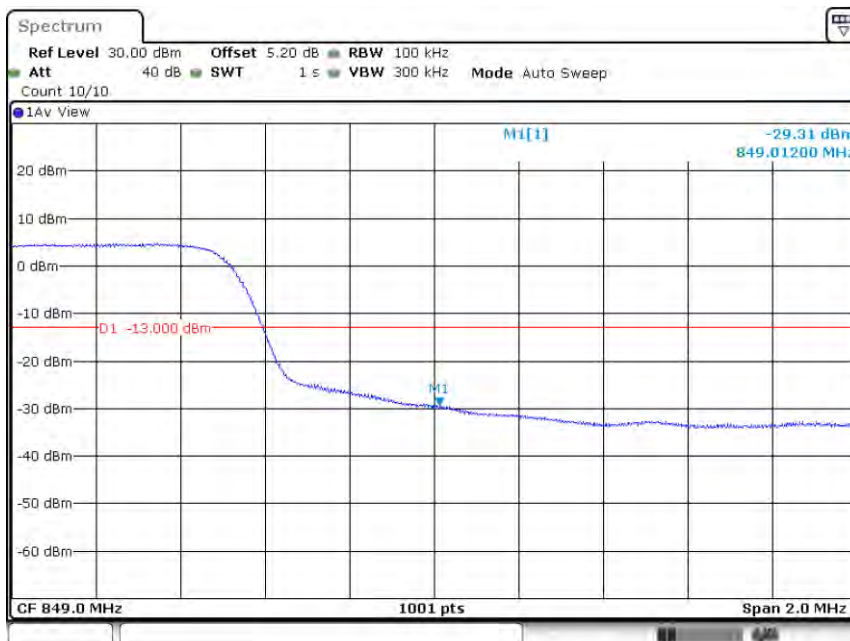
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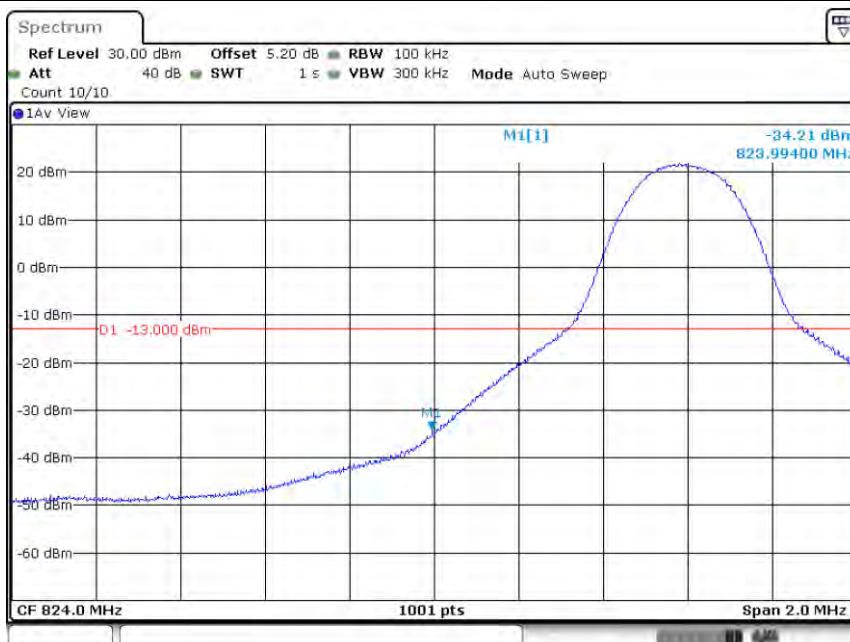
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## Band5-10MHz-QPSK-20600-50RB#0



Date: 14.OCT.2020 09:24:51

## Band5-10MHz-16QAM-20450-1RB#0



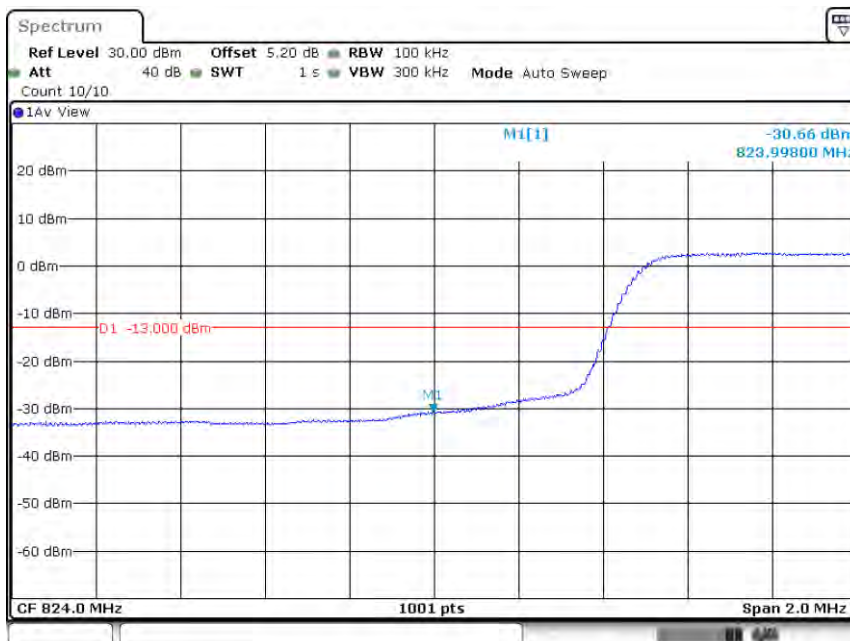
Date: 14.OCT.2020 09:22:46



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**Band5-10MHz-16QAM-20450-50RB#0**



Date: 14.OCT.2020 09:23:33

**Band5-10MHz-16QAM-20600-1RB#49**



Date: 14.OCT.2020 09:24:28



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**Band5-10MHz-16QAM-20600-50RB#0**



Date: 14.OCT.2020 09:25:15

**Band5-10MHz-64QAM-20450-1RB#0**



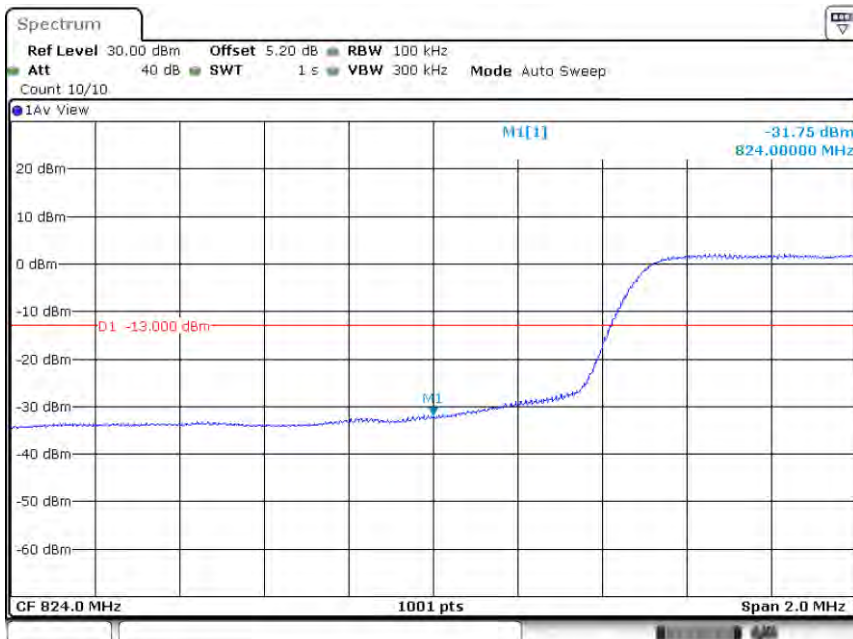
Date: 14.OCT.2020 11:04:41



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**Band5-10MHz-64QAM-20450-50RB#0**



Date: 14.OCT.2020 11:05:04

**Band5-10MHz-64QAM-20600-1RB#49**

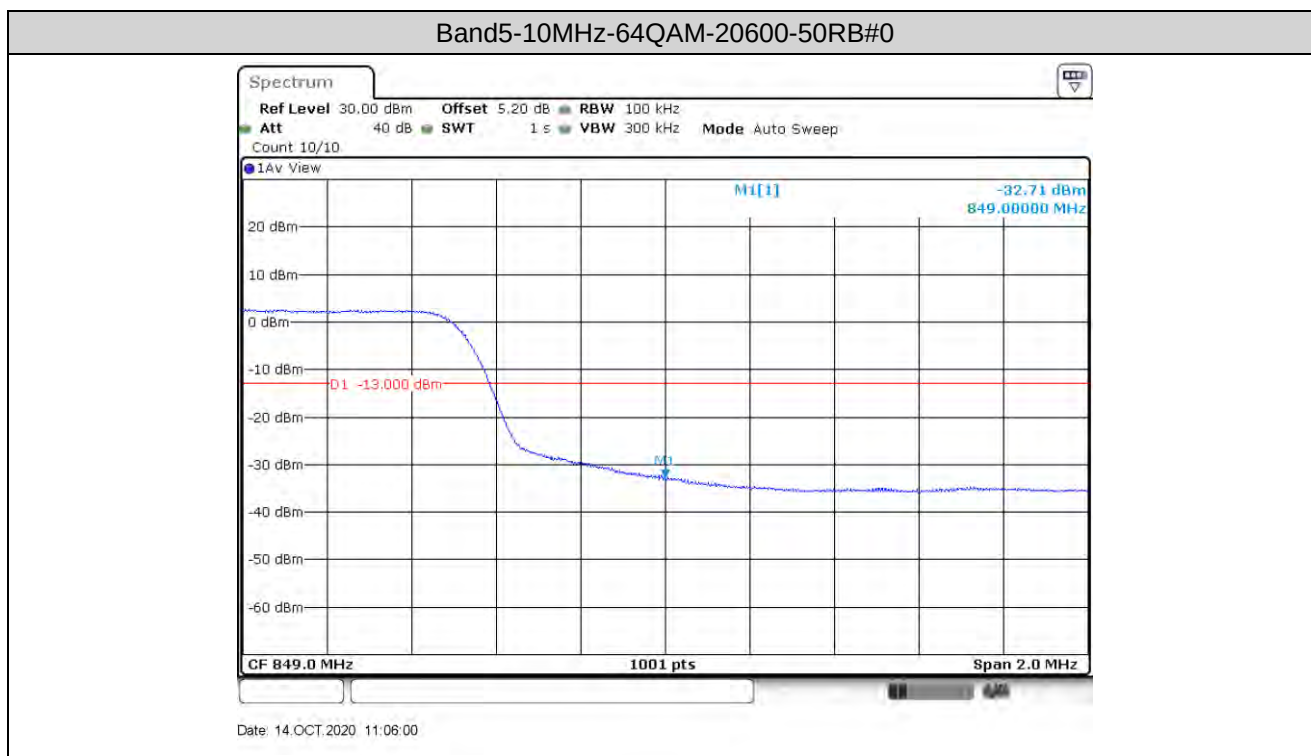


Date: 14.OCT.2020 11:05:36



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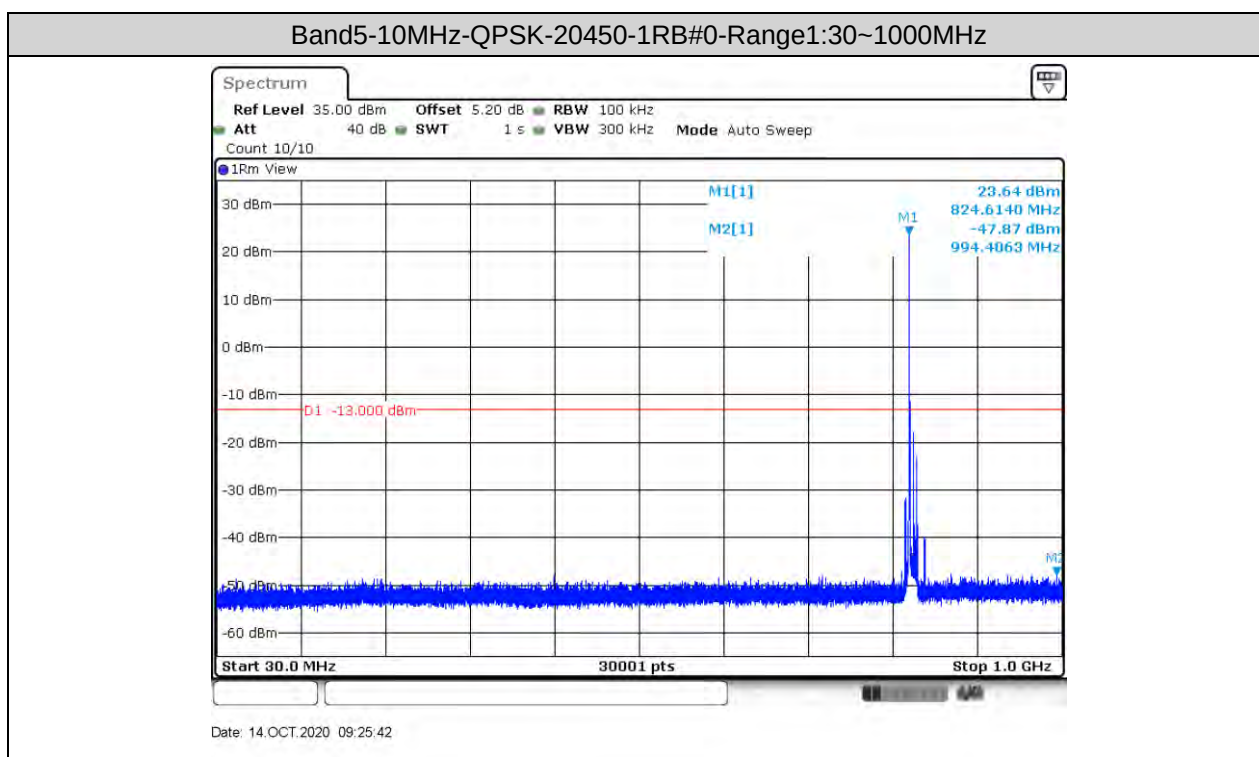


## 6 Spurious Emission at Antenna Terminal

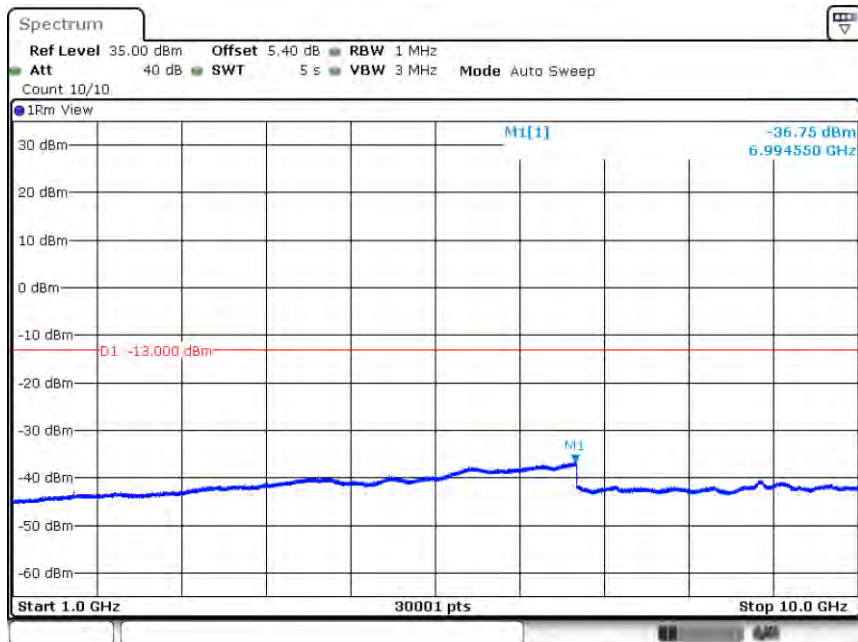
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points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

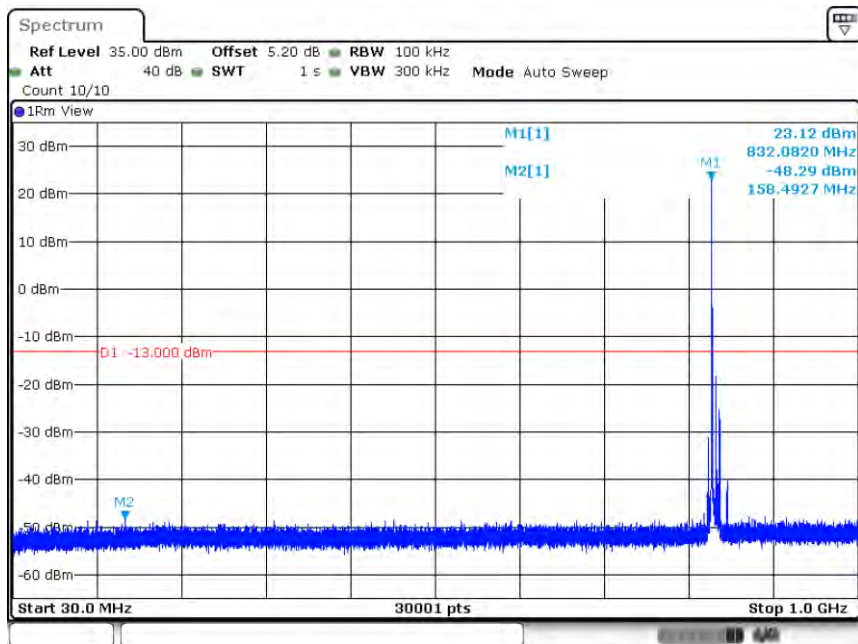


**Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz**



Date: 14.OCT.2020 09:26:50

**Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz**



Date: 14.OCT.2020 09:28:44



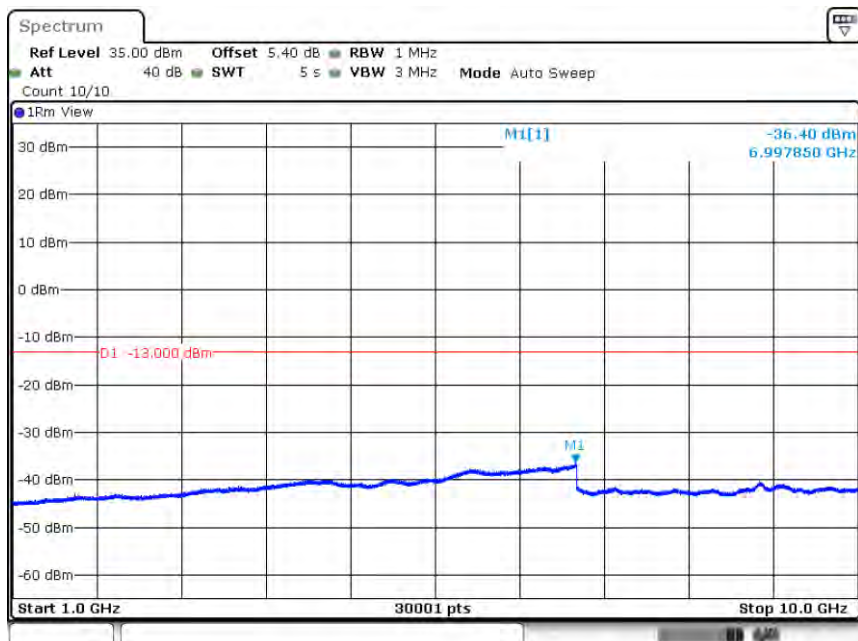
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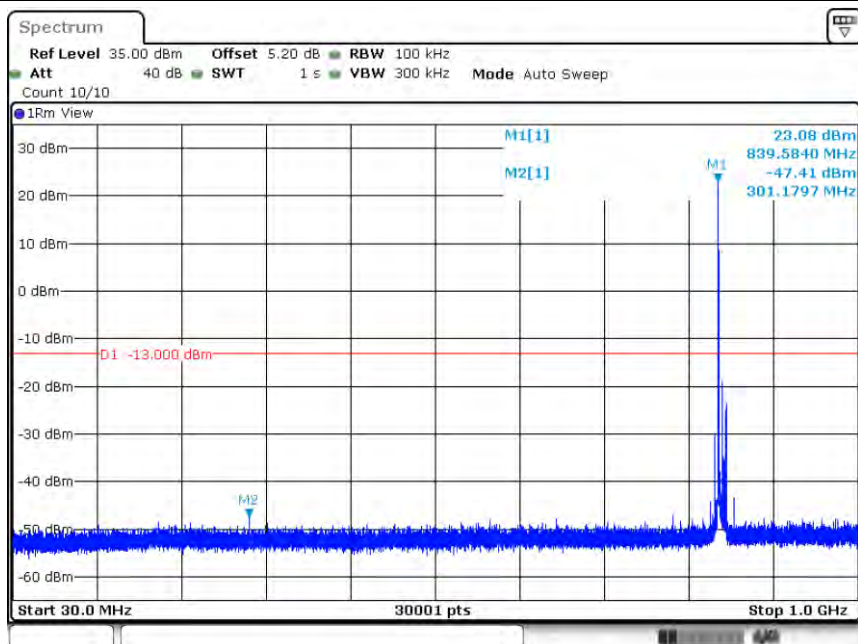
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## Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Date: 14.OCT.2020 09:29:53

## Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



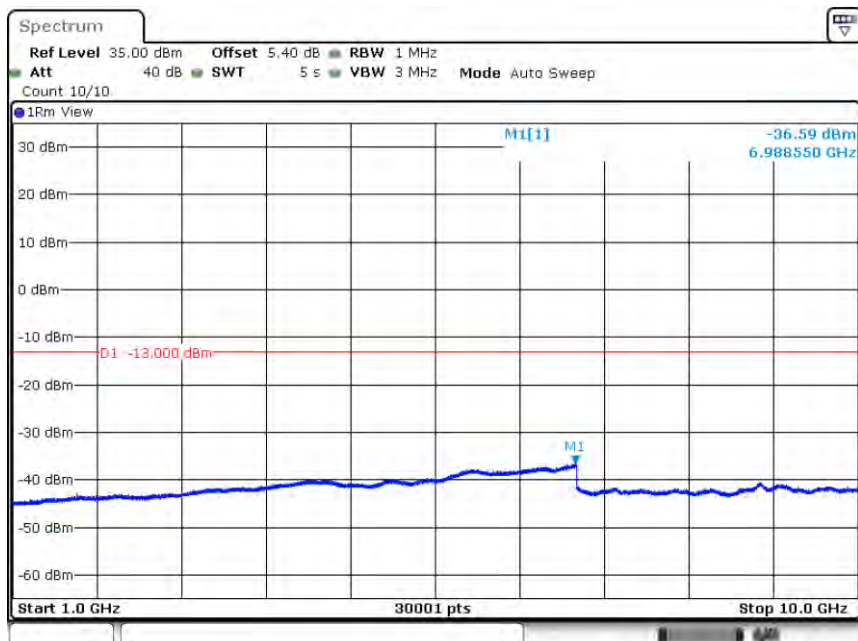
Date: 14.OCT.2020 09:31:46



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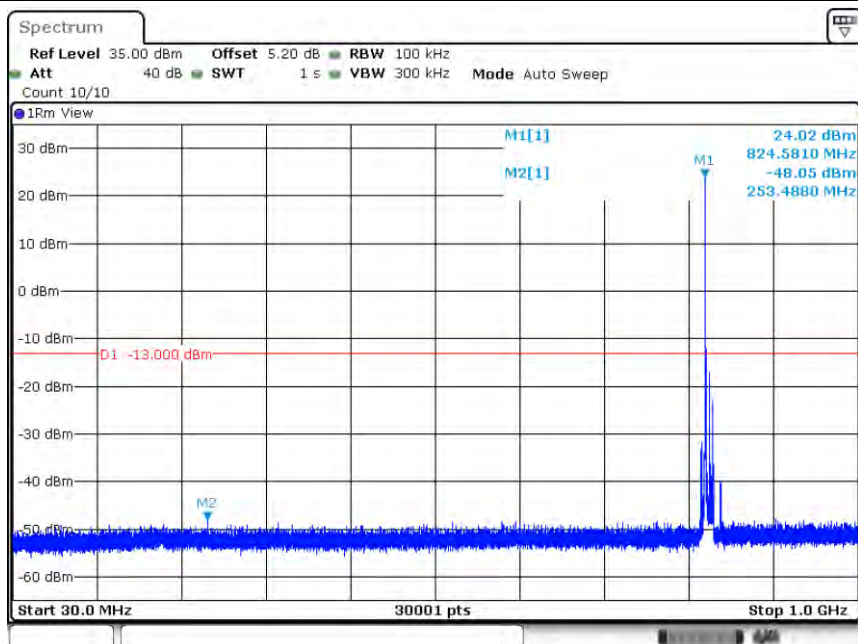
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## Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Date: 14.OCT.2020 09:32:55

## Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



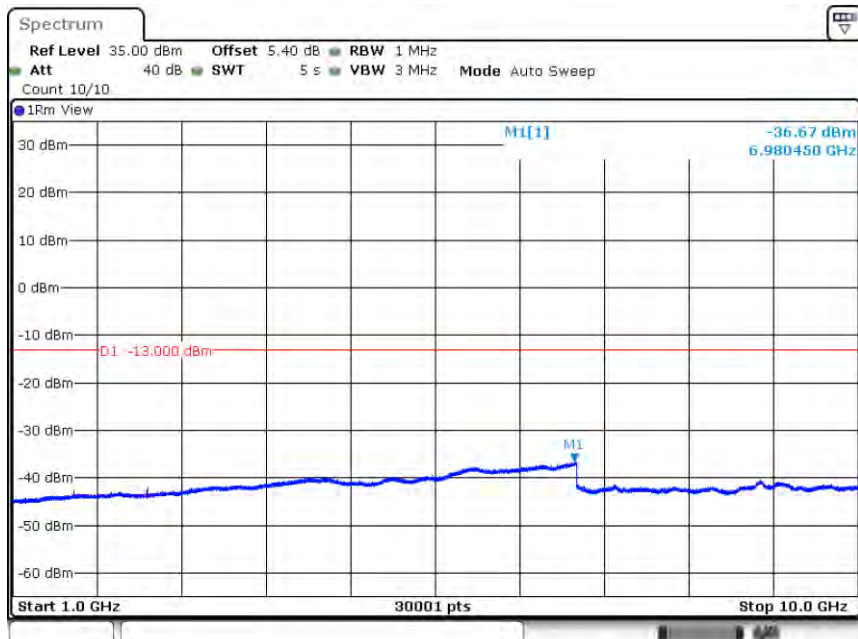
Date: 14.OCT.2020 09:27:13



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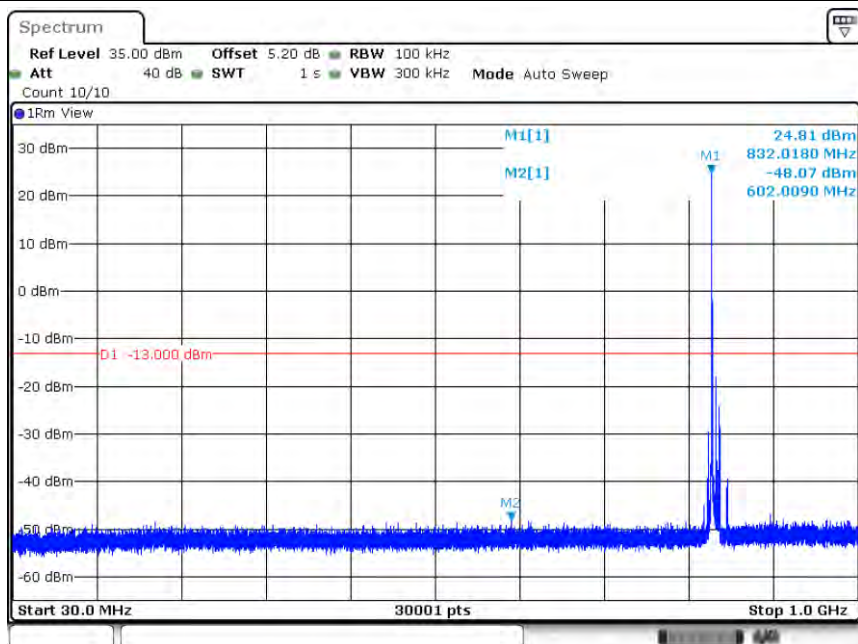
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## Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 14.OCT.2020 09:28:21

## Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



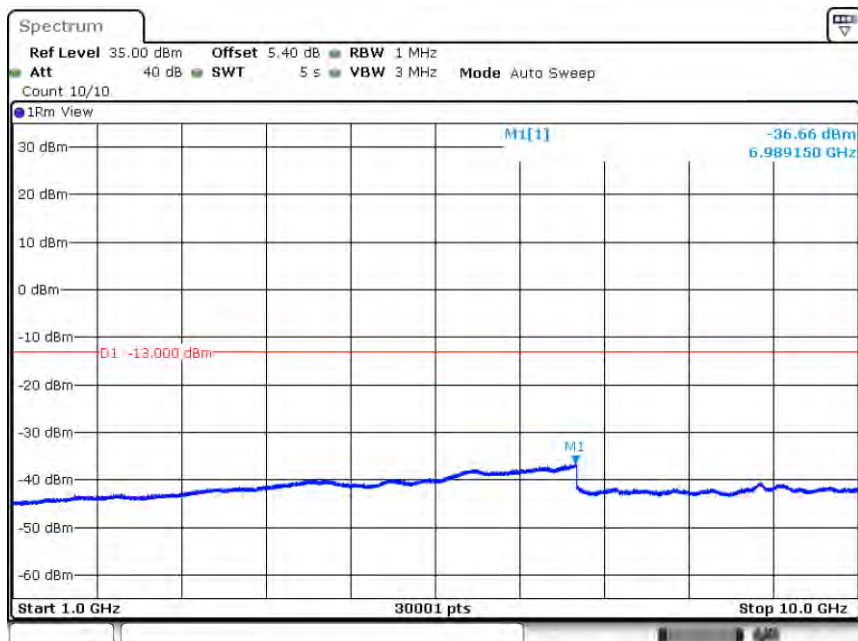
Date: 14.OCT.2020 09:30:15



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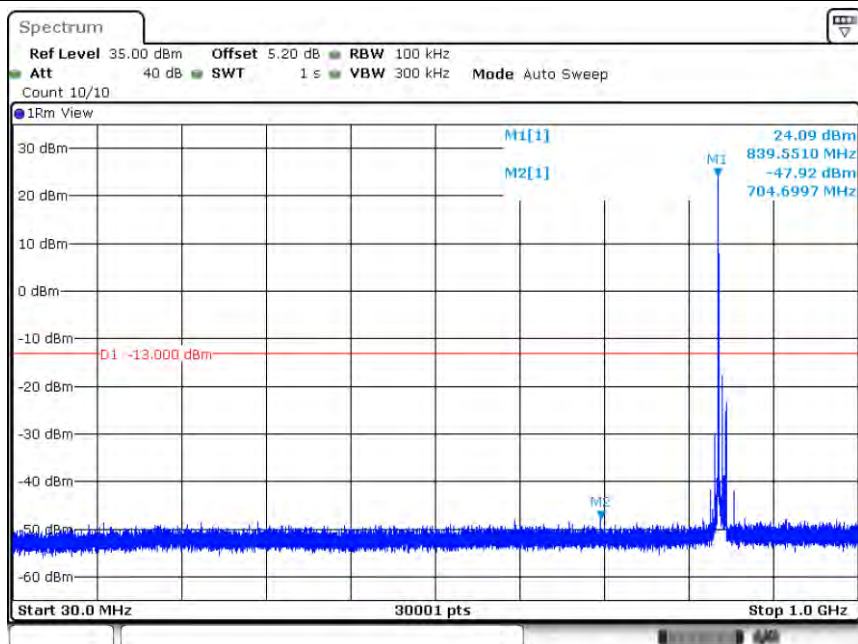
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## Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 14.OCT.2020 09:31:23

## Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Date: 14.OCT.2020 09:33:19

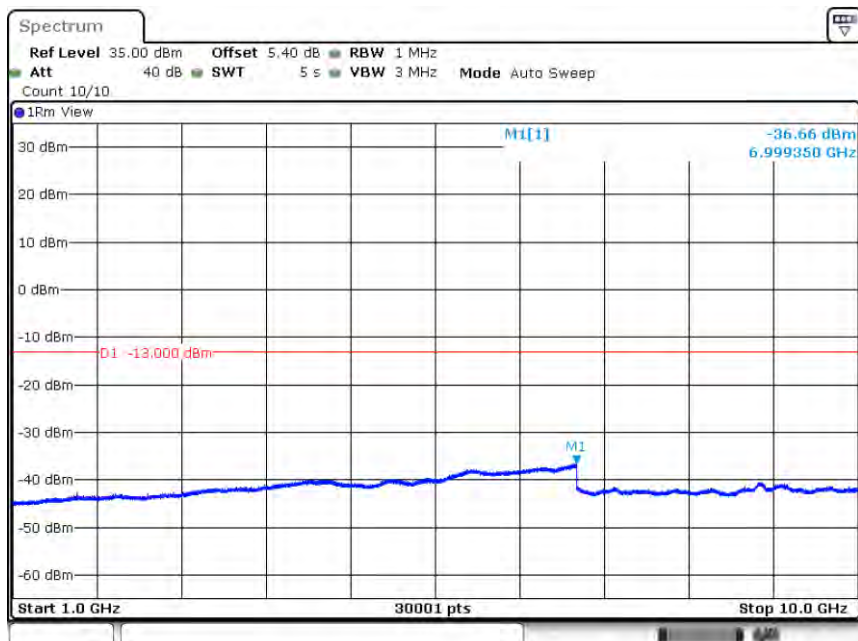


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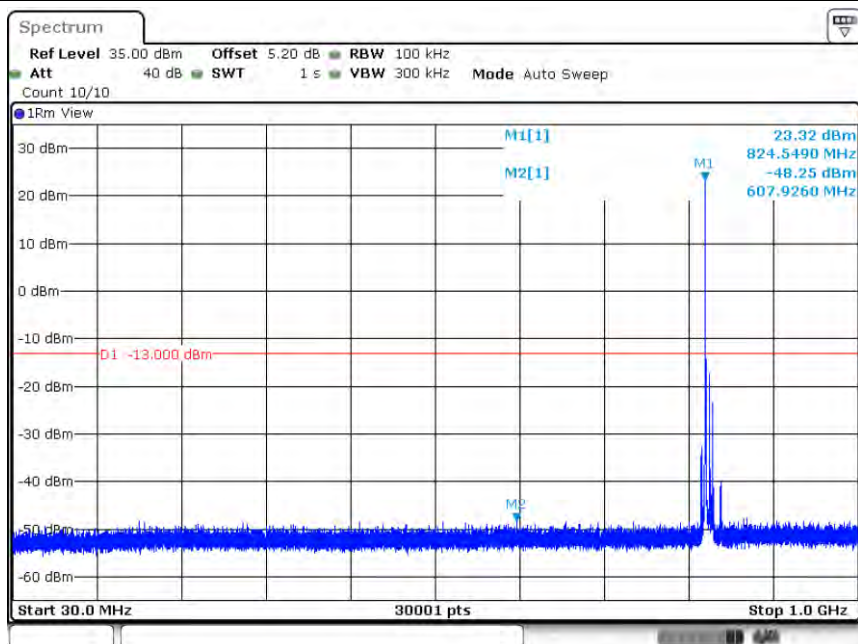
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## Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Date: 14.OCT.2020 09:34:27

## Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



Date: 14.OCT.2020 11:06:28

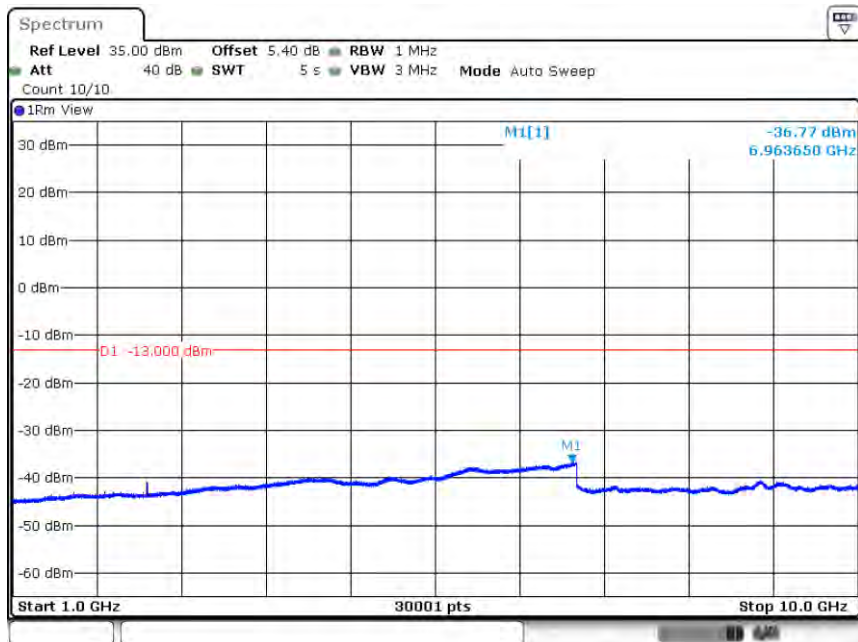


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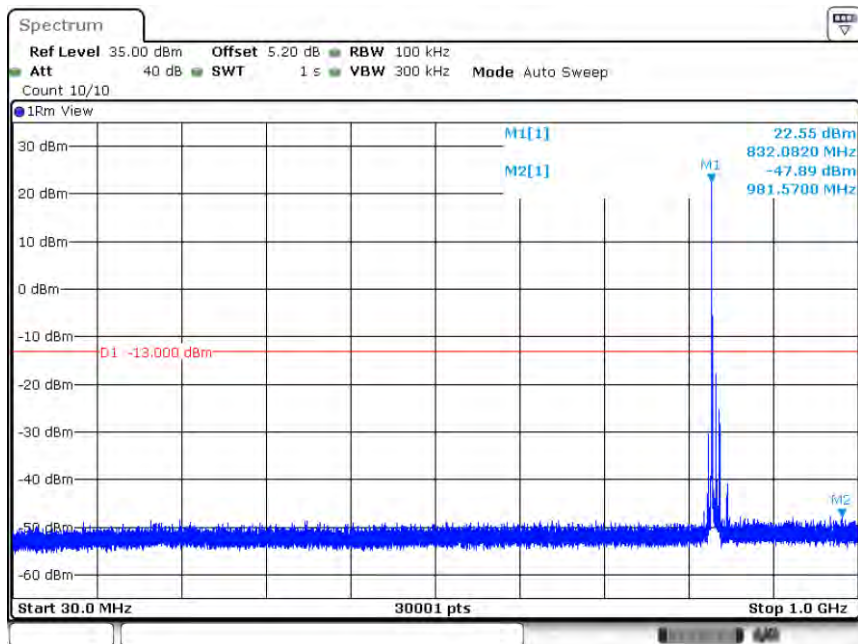
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**Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz**



Date: 14.OCT.2020 11:07:37

**Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz**



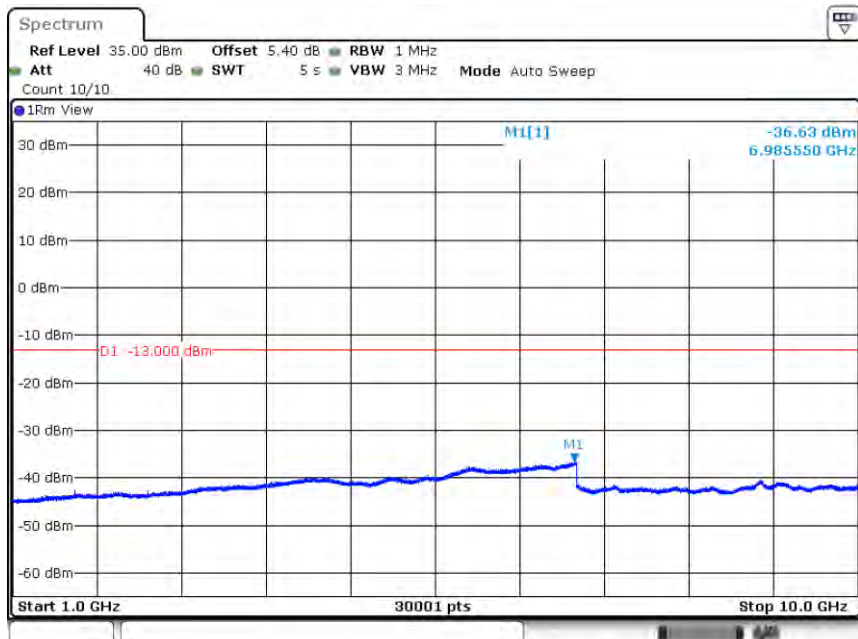
Date: 14.OCT.2020 11:08:00



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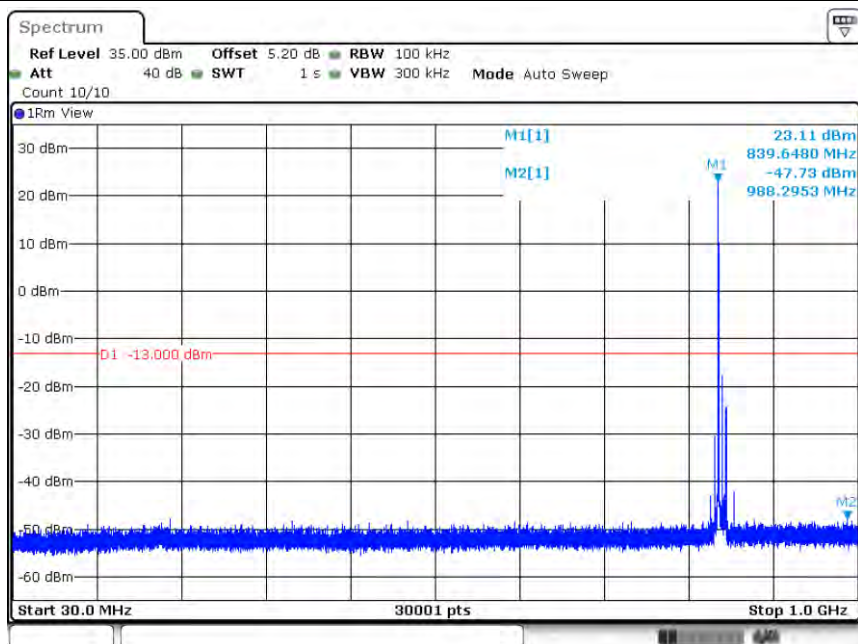
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**Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz**



Date: 14.OCT.2020 11:09:08

**Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz**

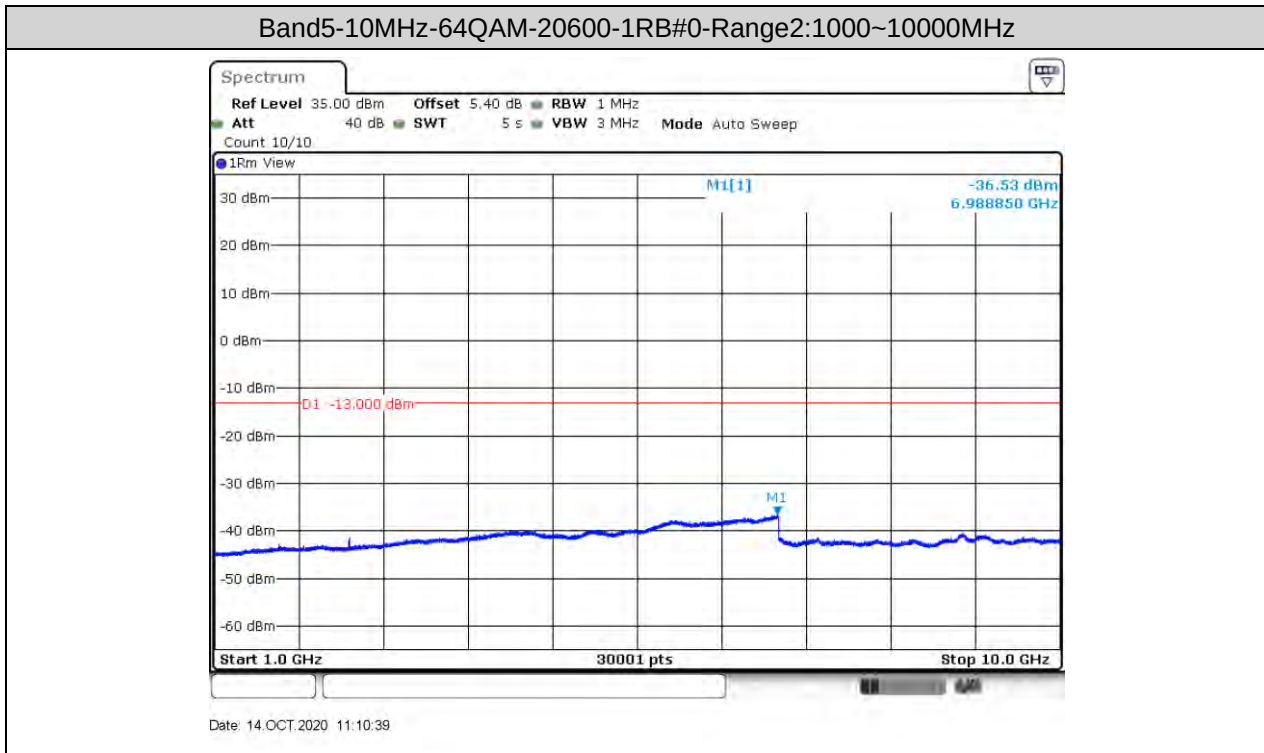


Date: 14.OCT.2020 11:09:31



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## 7 Field Strength of Spurious Radiation

### 7.1 Test Mode =LTE/TM1 10MHz(Ant1)

#### 7.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.1940         | -74.23      | -13.00           | 61.23       | Vertical     |
| 109.4470        | -63.14      | -13.00           | 50.14       | Vertical     |
| 442.6586        | -64.90      | -13.00           | 51.90       | Vertical     |
| 1648.9298       | -57.76      | -13.00           | 44.76       | Vertical     |
| 2473.4947       | -50.90      | -13.00           | 37.90       | Vertical     |
| 3496.0832       | -60.95      | -13.00           | 47.95       | Vertical     |
| 41.1071         | -62.02      | -13.00           | 49.02       | Horizontal   |
| 102.0261        | -73.34      | -13.00           | 60.34       | Horizontal   |
| 231.7216        | -65.53      | -13.00           | 52.53       | Horizontal   |
| 1649.3299       | -56.83      | -13.00           | 43.83       | Horizontal   |
| 2473.8948       | -41.54      | -13.00           | 28.54       | Horizontal   |
| 9303.0101       | -52.65      | -13.00           | 39.65       | Horizontal   |

#### 7.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.1940         | -73.74      | -13.00           | 60.74       | Vertical     |
| 109.0590        | -62.74      | -13.00           | 49.74       | Vertical     |
| 328.7264        | -66.35      | -13.00           | 53.35       | Vertical     |
| 1664.1328       | -56.08      | -13.00           | 43.08       | Vertical     |
| 2496.2993       | -51.78      | -13.00           | 38.78       | Vertical     |
| 9324.7108       | -52.49      | -13.00           | 39.49       | Vertical     |
| 39.8460         | -62.55      | -13.00           | 49.55       | Horizontal   |
| 99.3100         | -73.27      | -13.00           | 60.27       | Horizontal   |
| 239.8215        | -65.50      | -13.00           | 52.50       | Horizontal   |
| 1664.1328       | -59.17      | -13.00           | 46.17       | Horizontal   |
| 2496.2993       | -49.48      | -13.00           | 36.48       | Horizontal   |
| 9291.1097       | -52.25      | -13.00           | 39.25       | Horizontal   |



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### 7.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.9700         | -73.65      | -13.00           | 60.65       | Vertical     |
| 111.8721        | -61.37      | -13.00           | 48.37       | Vertical     |
| 306.7063        | -66.95      | -13.00           | 53.95       | Vertical     |
| 1679.3359       | -56.66      | -13.00           | 43.66       | Vertical     |
| 2518.7037       | -50.82      | -13.00           | 37.82       | Vertical     |
| 9301.8434       | -52.34      | -13.00           | 39.34       | Vertical     |
| 40.5735         | -61.69      | -13.00           | 48.69       | Horizontal   |
| 101.7836        | -73.23      | -13.00           | 60.23       | Horizontal   |
| 243.9442        | -65.26      | -13.00           | 52.26       | Horizontal   |
| 1679.3359       | -59.20      | -13.00           | 46.20       | Horizontal   |
| 2519.1038       | -48.38      | -13.00           | 35.38       | Horizontal   |
| 9316.3105       | -52.62      | -13.00           | 39.62       | Horizontal   |

### 7.2 Test Mode = LTE/TM1 10MHz(Ant2)

#### 7.2.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.3395         | -73.88      | -13.00           | 60.88       | Vertical     |
| 106.5853        | -63.28      | -13.00           | 50.28       | Vertical     |
| 306.8518        | -66.07      | -13.00           | 53.07       | Vertical     |
| 1648.9298       | -60.25      | -13.00           | 47.25       | Vertical     |
| 2473.8948       | -47.04      | -13.00           | 34.04       | Vertical     |
| 4122.8374       | -58.52      | -13.00           | 45.52       | Vertical     |
| 39.6035         | -62.67      | -13.00           | 49.67       | Horizontal   |
| 103.8207        | -73.00      | -13.00           | 60.00       | Horizontal   |
| 230.4120        | -66.07      | -13.00           | 53.07       | Horizontal   |
| 1648.9298       | -59.69      | -13.00           | 46.69       | Horizontal   |
| 2473.8948       | -48.53      | -13.00           | 35.53       | Horizontal   |
| 4122.8374       | -60.78      | -13.00           | 47.78       | Horizontal   |



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## 7.2.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.0485         | -73.80      | -13.00           | 60.80       | Vertical     |
| 105.1303        | -63.41      | -13.00           | 50.41       | Vertical     |
| 390.9550        | -65.43      | -13.00           | 52.43       | Vertical     |
| 1664.1328       | -59.39      | -13.00           | 46.39       | Vertical     |
| 2496.2993       | -48.92      | -13.00           | 35.92       | Vertical     |
| 4160.4053       | -60.13      | -13.00           | 47.13       | Vertical     |
| 45.2298         | -62.44      | -13.00           | 49.44       | Horizontal   |
| 80.3940         | -73.58      | -13.00           | 60.58       | Horizontal   |
| 229.8785        | -64.96      | -13.00           | 51.96       | Horizontal   |
| 1664.1328       | -58.50      | -13.00           | 45.50       | Horizontal   |
| 2496.2993       | -49.15      | -13.00           | 36.15       | Horizontal   |
| 4160.4053       | -59.69      | -13.00           | 46.69       | Horizontal   |

## 7.2.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.6305         | -74.02      | -13.00           | 61.02       | Vertical     |
| 108.2829        | -62.64      | -13.00           | 49.64       | Vertical     |
| 284.8802        | -67.11      | -13.00           | 54.11       | Vertical     |
| 1678.9358       | -59.52      | -13.00           | 46.52       | Vertical     |
| 2518.7037       | -48.85      | -13.00           | 35.85       | Vertical     |
| 4198.2066       | -60.40      | -13.00           | 47.40       | Vertical     |
| 42.9016         | -62.10      | -13.00           | 49.10       | Horizontal   |
| 104.6452        | -73.59      | -13.00           | 60.59       | Horizontal   |
| 236.2808        | -65.05      | -13.00           | 52.05       | Horizontal   |
| 1678.9358       | -60.99      | -13.00           | 47.99       | Horizontal   |
| 2518.7037       | -48.69      | -13.00           | 35.69       | Horizontal   |
| 4197.9733       | -58.92      | -13.00           | 45.92       | Horizontal   |

Remark:

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



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## 8 Frequency Stability

### 8.1 Frequency Vs Voltage

| Voltage |           |            |         |                  |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0           | VL            | NT               | 2.30           | 0.002774        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0           | VN            | NT               | 0.90           | 0.001086        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0           | VH            | NT               | 0.50           | 0.000603        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0           | VL            | NT               | 0.70           | 0.000837        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0           | VN            | NT               | -1.00          | -0.001195       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0           | VH            | NT               | 2.10           | 0.002510        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0           | VL            | NT               | -0.30          | -0.000355       | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0           | VN            | NT               | 0.10           | 0.000118        | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0           | VH            | NT               | 0.60           | 0.000711        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 50RB#0           | VL            | NT               | 1.70           | 0.002051        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 50RB#0           | VN            | NT               | -0.60          | -0.000724       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20450   | 50RB#0           | VH            | NT               | 3.60           | 0.004343        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 50RB#0           | VL            | NT               | 0.80           | 0.000956        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 50RB#0           | VN            | NT               | -1.20          | -0.001435       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20525   | 50RB#0           | VH            | NT               | -1.00          | -0.001195       | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 50RB#0           | VL            | NT               | 1.60           | 0.001896        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 50RB#0           | VN            | NT               | 0.30           | 0.000355        | ±2.5        | PASS    |
| Band5   | 10MHz     | 16QAM      | 20600   | 50RB#0           | VH            | NT               | 2.40           | 0.002844        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20450   | 50RB#0           | VL            | NT               | -2.20          | -0.002654       | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20450   | 50RB#0           | VN            | NT               | -1.30          | -0.001568       | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20450   | 50RB#0           | VH            | NT               | 2.60           | 0.003136        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20525   | 50RB#0           | VL            | NT               | 1.80           | 0.002152        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20525   | 50RB#0           | VN            | NT               | 0.20           | 0.000239        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20525   | 50RB#0           | VH            | NT               | 0.60           | 0.000717        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20600   | 50RB#0           | VL            | NT               | 1.10           | 0.001303        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20600   | 50RB#0           | VN            | NT               | 3.00           | 0.003555        | ±2.5        | PASS    |
| Band5   | 10MHz     | 64QAM      | 20600   | 50RB#0           | VH            | NT               | -0.20          | -0.000237       | ±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 |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -30              | -0.60          | -0.000724       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -20              | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -10              | 0.60           | 0.000724        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 0                | 0.20           | 0.000241        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 10               | 2.70           | 0.003257        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 20               | 2.50           | 0.003016        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 30               | -0.20          | -0.000241       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 40               | 1.30           | 0.001568        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 50               | 0.20           | 0.000241        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -30              | 0.80           | 0.000956        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -20              | -0.50          | -0.000598       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -10              | -1.90          | -0.002271       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 0                | -0.70          | -0.000837       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 10               | 0.80           | 0.000956        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 20               | -1.00          | -0.001195       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 30               | 2.70           | 0.003228        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 40               | -0.30          | -0.000359       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 50               | 0.90           | 0.001076        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -30              | 0.80           | 0.000948        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -20              | 0.90           | 0.001066        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -10              | -1.40          | -0.001659       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 0                | 0.10           | 0.000118        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 10               | -1.00          | -0.001185       | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 20               | 0.10           | 0.000118        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 30               | 1.60           | 0.001896        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 40               | 0.50           | 0.000592        | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 50               | -0.20          | -0.000237       | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | -30              | -1.30          | -0.001568       | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | -20              | 0.60           | 0.000724        | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | -10              | 3.60           | 0.004343        | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | 0                | 2.10           | 0.002533        | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | 10               | 1.40           | 0.001689        | ±2.5        | PASS    |
| Band5       | 10MHz     | 16QAM      | 20450   | 50RB#0       | NV            | 20               | 2.50           | 0.003016        | ±2.5        | PASS    |



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|       |       |       |       |        |    |     |       |           |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 30  | 0.80  | 0.000965  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 40  | -1.10 | -0.001327 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 50  | 1.70  | 0.002051  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -30 | 0.90  | 0.001076  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -20 | -0.70 | -0.000837 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -10 | -0.80 | -0.000956 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 0   | 2.70  | 0.003228  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 10  | 3.00  | 0.003586  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 20  | 1.80  | 0.002152  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 30  | -2.00 | -0.002391 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 40  | -0.80 | -0.000956 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 50  | 0.30  | 0.000359  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -30 | -1.00 | -0.001185 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -20 | 0.00  | 0.000000  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -10 | 0.50  | 0.000592  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 0   | 2.60  | 0.003081  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 10  | 1.00  | 0.001185  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 20  | -1.50 | -0.001777 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 30  | -1.60 | -0.001896 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 40  | 0.10  | 0.000118  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 50  | 1.80  | 0.002133  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -30 | -1.90 | -0.002292 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -20 | 0.10  | 0.000121  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | -10 | 3.40  | 0.004101  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 0   | -0.50 | -0.000603 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 10  | 1.80  | 0.002171  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 20  | 0.10  | 0.000121  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 30  | -1.30 | -0.001568 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 40  | 0.90  | 0.001086  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | NV | 50  | -0.40 | -0.000483 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -30 | 0.10  | 0.000120  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -20 | 0.70  | 0.000837  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -10 | 0.30  | 0.000359  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 0   | -0.30 | -0.000359 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 10  | -0.20 | -0.000239 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 20  | -3.20 | -0.003825 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 30  | 0.50  | 0.000598  | ±2.5 | PASS |



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|       |       |       |       |        |    |     |       |           |      |      |
|-------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 40  | -1.30 | -0.001554 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 50  | -0.40 | -0.000478 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -30 | -0.90 | -0.001066 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -20 | 2.50  | 0.002962  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | -10 | -1.00 | -0.001185 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 0   | -0.60 | -0.000711 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 10  | -1.00 | -0.001185 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 20  | -0.10 | -0.000118 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 30  | 1.40  | 0.001659  | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 40  | -0.60 | -0.000711 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | NV | 50  | 1.90  | 0.002251  | ±2.5 | PASS |

The End

