



# Appendix B

## E-UTRA Band 7



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

| Band  | Bandwidth<br>h | Modulation | Channel | RB<br>Configuration | Conducted<br>Power(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|-------|----------------|------------|---------|---------------------|-------------------------|---------------|----------------|---------|
| Band7 | 5MHz           | QPSK       | 20775   | 1RB#0               | 23.22                   | 23.92         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 1RB#12              | 23.43                   | 24.13         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 1RB#24              | 22.83                   | 23.53         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 12RB#6              | 21.85                   | 22.55         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 12RB#0              | 21.99                   | 22.69         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 12RB#13             | 21.93                   | 22.63         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 20775   | 25RB#0              | 21.98                   | 22.68         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 1RB#24              | 23.17                   | 23.87         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 1RB#0               | 22.72                   | 23.42         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 1RB#12              | 22.54                   | 23.24         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 12RB#0              | 21.76                   | 22.46         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 12RB#6              | 21.80                   | 22.5          | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 12RB#13             | 21.73                   | 22.43         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21100   | 25RB#0              | 21.79                   | 22.49         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 1RB#12              | 23.11                   | 23.81         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 1RB#0               | 22.76                   | 23.46         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 1RB#24              | 22.65                   | 23.35         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 12RB#13             | 21.68                   | 22.38         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 12RB#6              | 21.74                   | 22.44         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 12RB#0              | 21.82                   | 22.52         | 33.00          | PASS    |
| Band7 | 5MHz           | QPSK       | 21425   | 25RB#0              | 21.76                   | 22.46         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 1RB#0               | 21.71                   | 22.41         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 1RB#24              | 22.04                   | 22.74         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 1RB#12              | 21.73                   | 22.43         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 12RB#13             | 20.84                   | 21.54         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 12RB#6              | 20.86                   | 21.56         | 33.00          | PASS    |
| Band7 | 5MHz           | 16QAM      | 20775   | 12RB#0              | 20.80                   | 21.5          | 33.00          | PASS    |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 5MHz  | 16QAM | 20775 | 25RB#0  | 20.89 | 21.59 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#0   | 22.04 | 22.74 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#12  | 22.19 | 22.89 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#24  | 21.79 | 22.49 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#0  | 20.68 | 21.38 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#6  | 20.78 | 21.48 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#13 | 20.70 | 21.4  | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 25RB#0  | 20.80 | 21.5  | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#0   | 21.81 | 22.51 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#24  | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#12  | 21.75 | 22.45 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#0  | 20.67 | 21.37 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#6  | 20.72 | 21.42 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#13 | 20.74 | 21.44 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 25RB#0  | 20.66 | 21.36 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#49  | 23.30 | 24    | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#24  | 23.38 | 24.08 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#0   | 23.35 | 24.05 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#12 | 22.47 | 23.17 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#0  | 21.98 | 22.68 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#25 | 22.02 | 22.72 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 50RB#0  | 23.30 | 24    | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24  | 23.21 | 23.91 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#49  | 22.83 | 23.53 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0   | 22.67 | 23.37 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#25 | 21.85 | 22.55 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#0  | 21.88 | 22.58 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#12 | 21.88 | 22.58 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0  | 23.21 | 23.91 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49  | 22.10 | 22.8  | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24  | 22.17 | 22.87 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0   | 21.84 | 22.54 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#25 | 20.87 | 21.57 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | QPSK  | 21400 | 25RB#0  | 20.93 | 21.63 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#12 | 20.92 | 21.62 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0  | 20.97 | 21.67 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0   | 22.19 | 22.89 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24  | 21.84 | 22.54 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49  | 21.98 | 22.68 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#12 | 20.88 | 21.58 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#0  | 20.75 | 21.45 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#25 | 20.80 | 21.5  | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0  | 20.82 | 21.52 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0   | 21.76 | 22.46 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49  | 22.26 | 22.96 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24  | 21.83 | 22.53 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#0  | 20.94 | 21.64 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#25 | 20.95 | 21.65 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 20.84 | 21.54 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0  | 20.84 | 21.54 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0   | 23.17 | 23.87 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49  | 23.42 | 24.12 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24  | 23.18 | 23.88 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0  | 22.29 | 22.99 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 22.54 | 23.24 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#25 | 22.52 | 23.22 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | 22.44 | 23.14 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74  | 23.12 | 23.82 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#38  | 22.73 | 23.43 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0   | 22.68 | 23.38 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#39 | 21.90 | 22.6  | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#18 | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#0  | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | 21.83 | 22.53 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0   | 23.12 | 23.82 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#38  | 22.73 | 23.43 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74  | 22.68 | 23.38 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#0  | 21.90 | 22.6  | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#18 | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#39 | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | 21.83 | 22.53 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0   | 22.99 | 23.69 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#38  | 22.84 | 23.54 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74  | 22.77 | 23.47 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#0  | 21.75 | 22.45 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#18 | 21.92 | 22.62 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#39 | 21.81 | 22.51 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | 21.76 | 22.46 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#38  | 22.55 | 23.25 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0   | 22.08 | 22.78 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74  | 22.18 | 22.88 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#0  | 20.88 | 21.58 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#39 | 20.86 | 21.56 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#18 | 21.03 | 21.73 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | 21.00 | 21.7  | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#38  | 21.58 | 22.28 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74  | 22.29 | 22.99 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0   | 21.97 | 22.67 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#0  | 20.75 | 21.45 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#18 | 20.78 | 21.48 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#39 | 20.88 | 21.58 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 20.73 | 21.43 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0   | 21.46 | 22.16 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#38  | 21.96 | 22.66 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74  | 21.86 | 22.56 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#0  | 20.81 | 21.51 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#18 | 20.91 | 21.61 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#39 | 20.77 | 21.47 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 20.88 | 21.58 | 33.00 | PASS |



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|       |       |       |       |         |              |       |       |      |
|-------|-------|-------|-------|---------|--------------|-------|-------|------|
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0   | 23.09        | 23.79 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#49  | 23.30        | 24    | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#99  | 23.29        | 23.99 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#25 | 22.40        | 23.1  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#0  | 22.05        | 22.75 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#50 | 22.04        | 22.74 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 21.75        | 22.45 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 23.20        | 23.9  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 23.45        | 24.15 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 23.23        | 23.93 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#0  | 22.06        | 22.76 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#25 | 22.10        | 22.8  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#50 | 22.17        | 22.87 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 21.66        | 22.36 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 23.15        | 23.85 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | <b>23.50</b> | 24.2  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 23.13        | 23.83 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#25 | 21.99        | 22.69 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#0  | 21.77        | 22.47 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#50 | 22.38        | 23.08 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 21.51        | 22.21 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0   | 21.62        | 22.32 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49  | 21.76        | 22.46 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99  | 21.67        | 22.37 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#0  | 20.72        | 21.42 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#25 | 20.81        | 21.51 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#50 | 20.92        | 21.62 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 20.78        | 21.48 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0   | 21.53        | 22.23 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99  | 21.62        | 22.32 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#49  | 21.70        | 22.4  | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#0  | 20.87        | 21.57 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#25 | 20.75        | 21.45 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 20MHz | 16QAM | 21100 | 50RB#50 | 20.97 | 21.67 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 20.71 | 21.41 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 21.54 | 22.24 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | 21.72 | 22.42 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49  | 21.57 | 22.27 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#50 | 20.82 | 21.52 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#25 | 20.84 | 21.54 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#0  | 21.09 | 21.79 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 20.62 | 21.32 | 33.00 | 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]



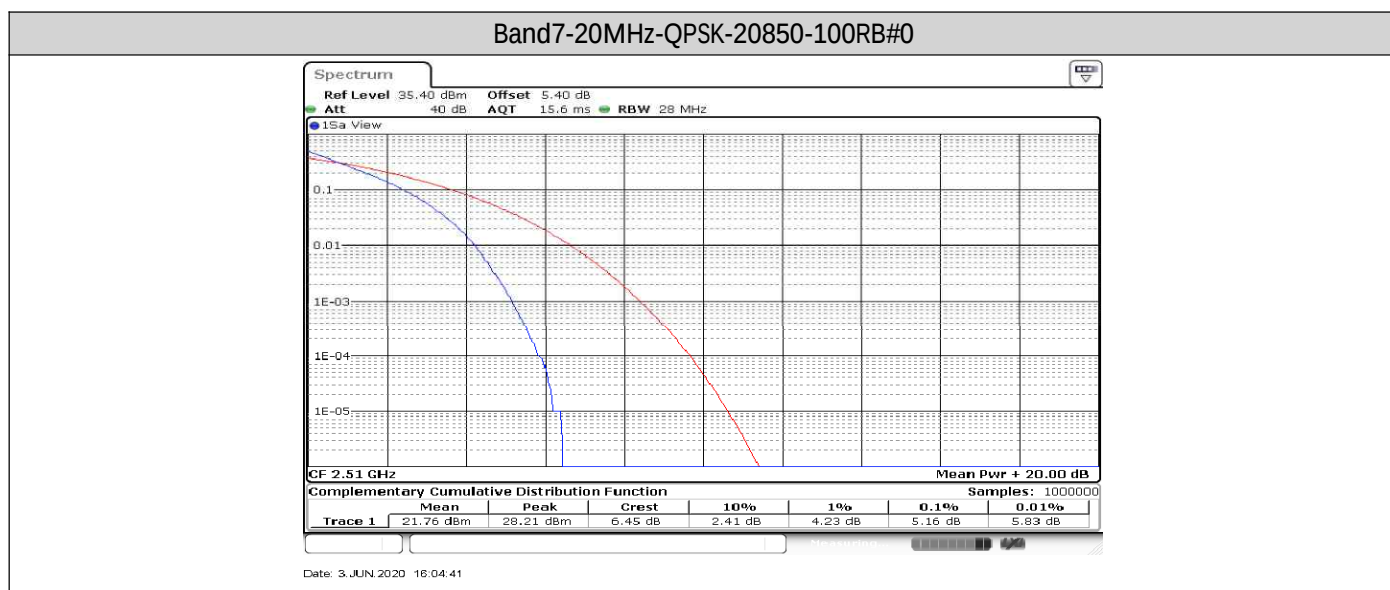


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

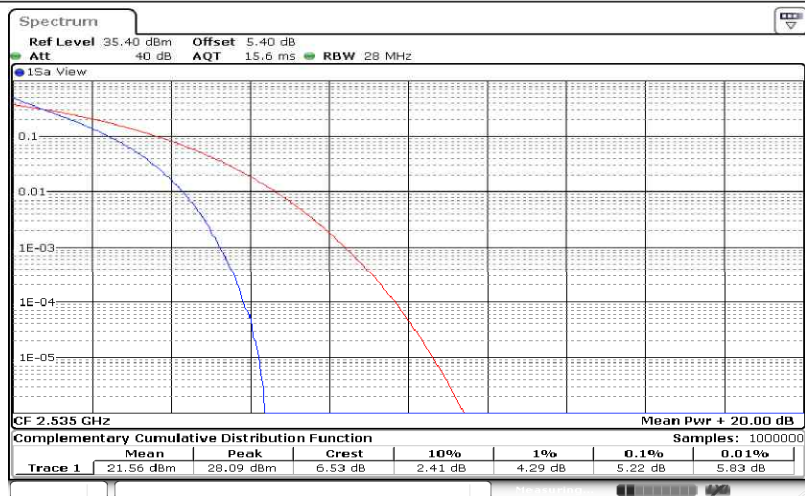
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 5.16       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 5.22       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 5.16       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 20850   | 100RB#0          | 6.26       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 21100   | 100RB#0          | 6.38       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 21350   | 100RB#0          | 6.32       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 5.94       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 6.03       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 5.94       | 13        | PASS    |

### 2.2. Test Plots



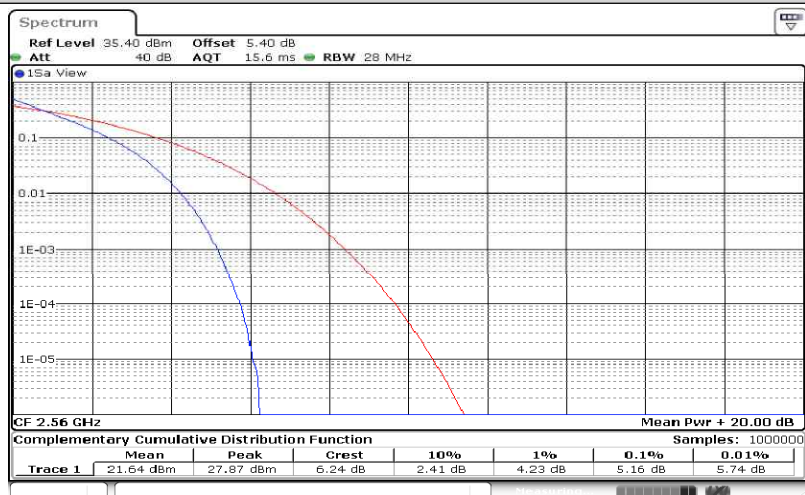


Band7-20MHz-QPSK-21100-100RB#0



Date: 3 JUN 2020 16:05:04

Band7-20MHz-QPSK-21350-100RB#0



Date: 3 JUN 2020 16:05:27



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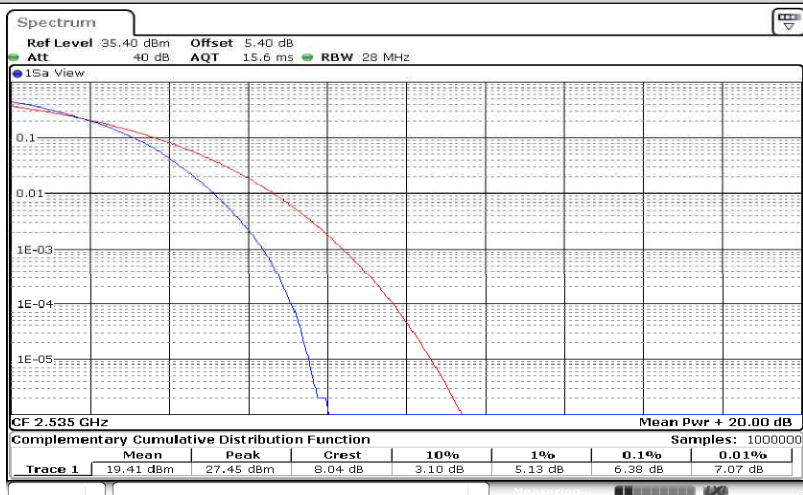


Band7-20MHz-64QAM-20850-100RB#0



Date: 5 JUN 2020 04:56:35

Band7-20MHz-64QAM-21100-100RB#0



Date: 5 JUN 2020 04:56:47





Band7-20MHz-64QAM-21350-100RB#0



Date: 5 JUN 2020 04:56:58

Band7-20MHz-16QAM-20850-100RB#0



Date: 3 JUN 2020 16:04:52



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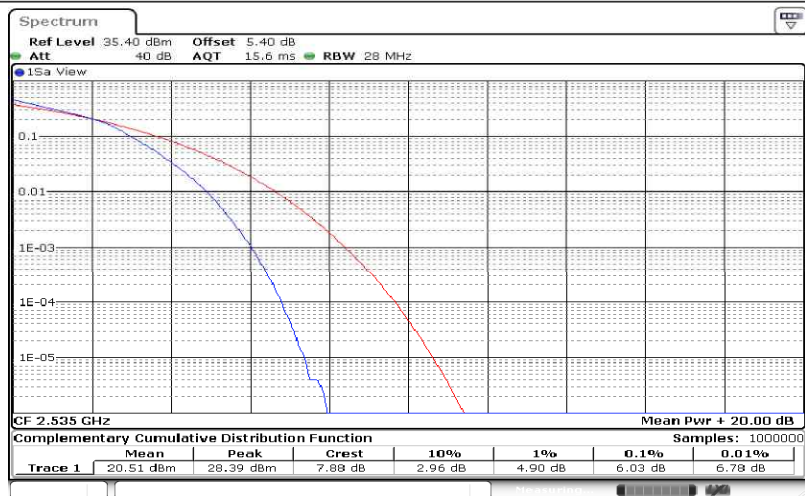
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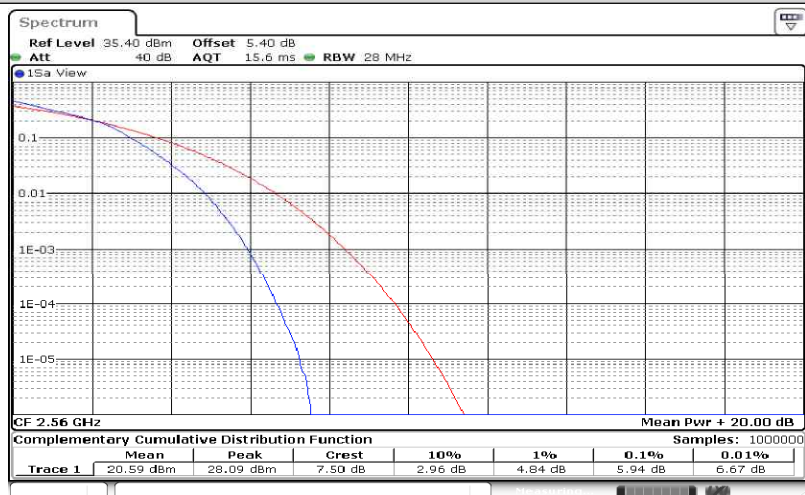


Band7-20MHz-16QAM-21100-100RB#0



Date: 3 JUN 2020 16:05:15

Band7-20MHz-16QAM-21350-100RB#0



Date: 3 JUN 2020 16:05:38



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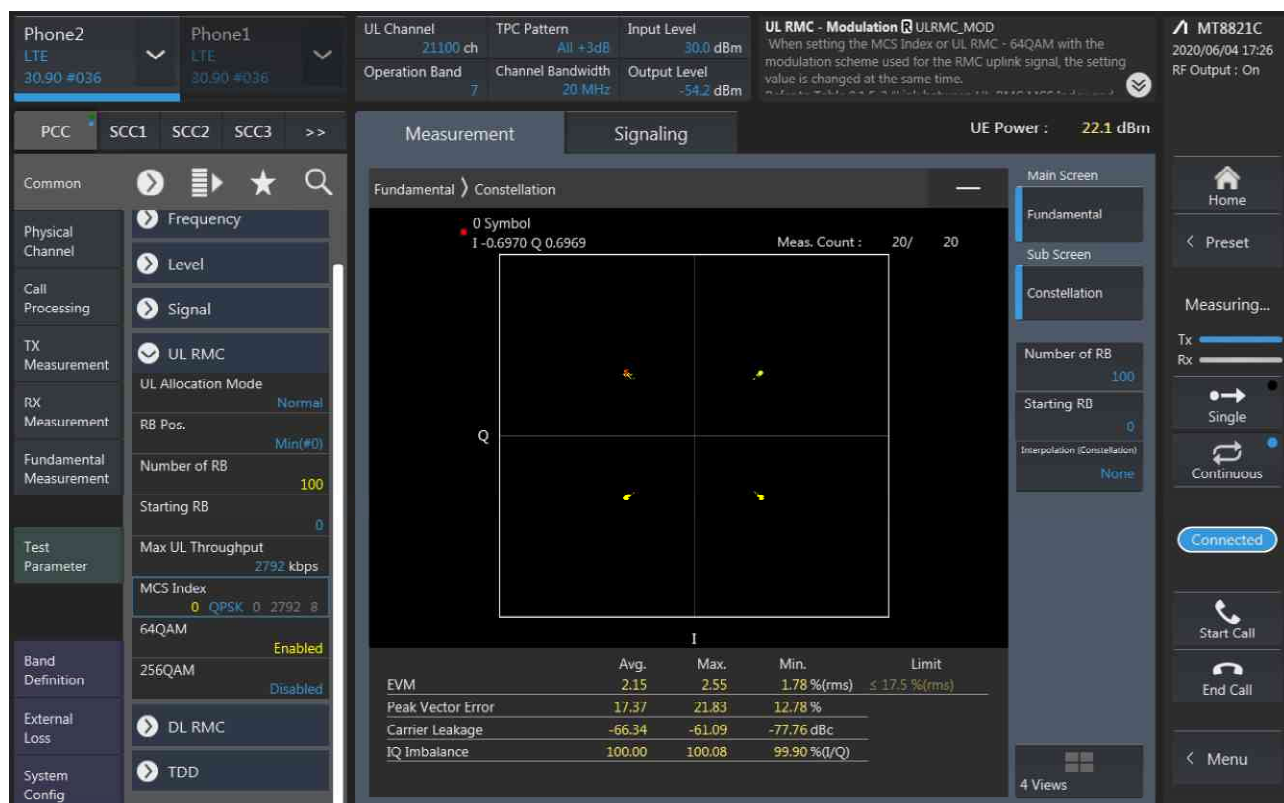


### 3. Modulation Characteristics

#### 3.1. Test Band = LTE Band 7

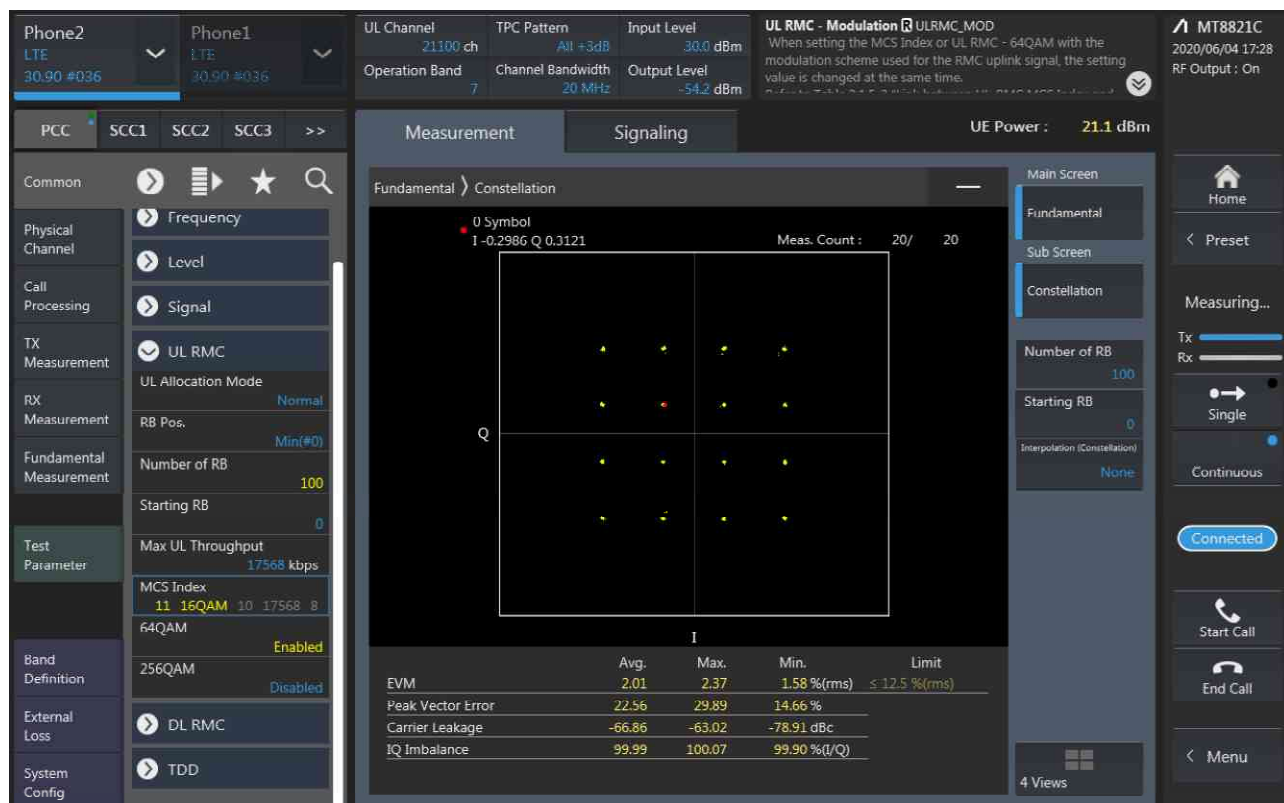
##### 3.1.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1.1. Test Channel = MCH



### 3.1.2. Test Mode = LTE /TM2 20MHz

### 3.1.2.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.476                    | 4.860                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.476                    | 4.720                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 4.476                    | 4.750                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 4.486                    | 4.830                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.486                    | 4.870                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 4.486                    | 4.870                | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 8.931                    | 9.620                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.971                    | 9.460                | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 8.971                    | 9.480                | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 8.931                    | 9.740                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.931                    | 9.620                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 8.951                    | 9.680                | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 13.457                   | 14.730               | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.487                   | 14.820               | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 13.606                   | 14.580               | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 13.576                   | 14.580               | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 13.457                   | 14.640               | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 13.487                   | 14.760               | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 18.062                   | 19.200               | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 18.062                   | 19.120               | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 18.022                   | 19.080               | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 17.942                   | 19.240               | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 17.942                   | 19.360               | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 17.902                   | 19.280               | PASS    |



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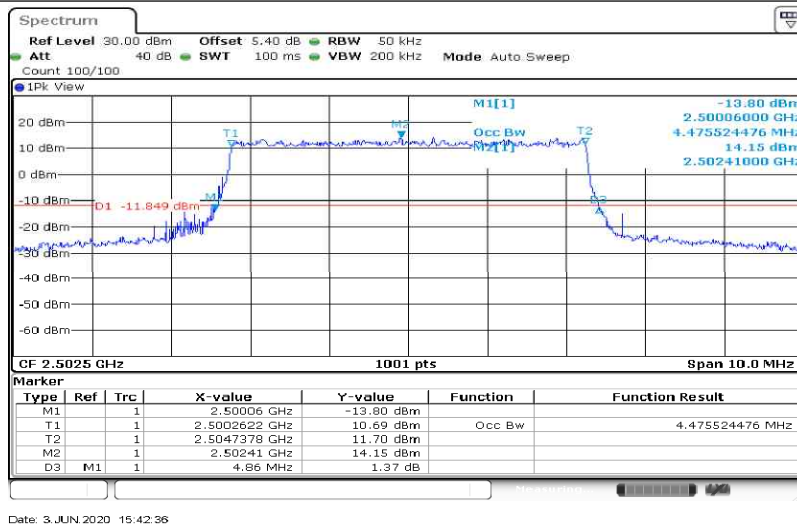
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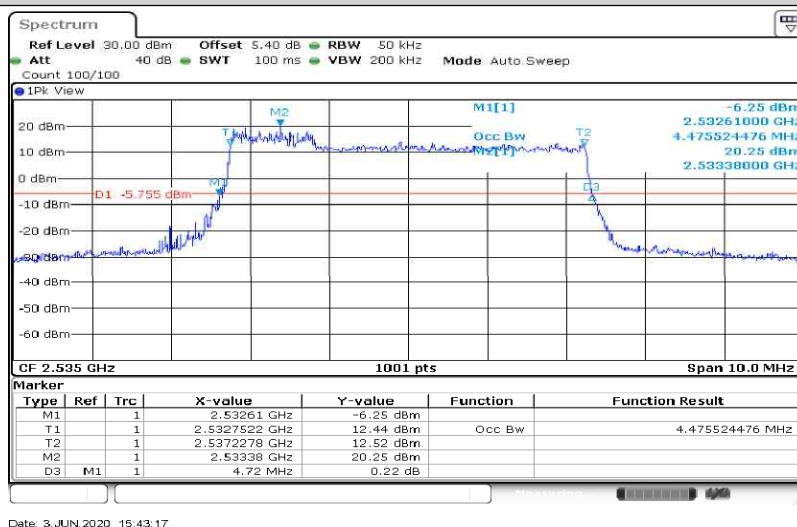


## 4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



Band7-5MHz-QPSK-21100-25RB#0-4.476



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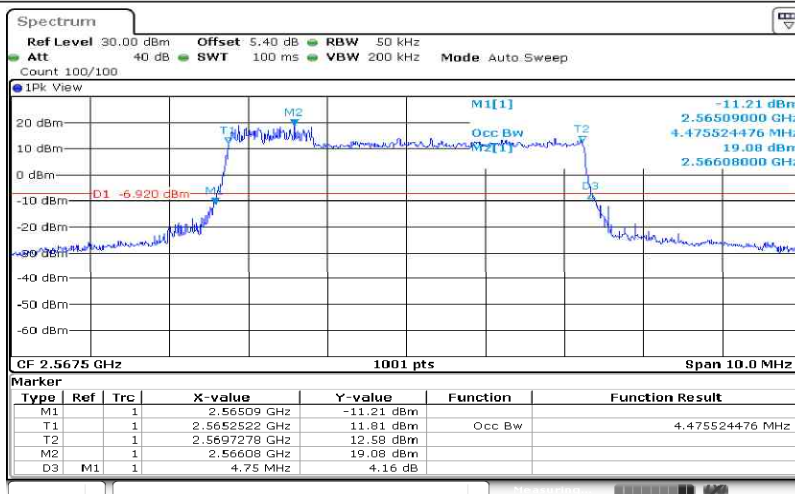
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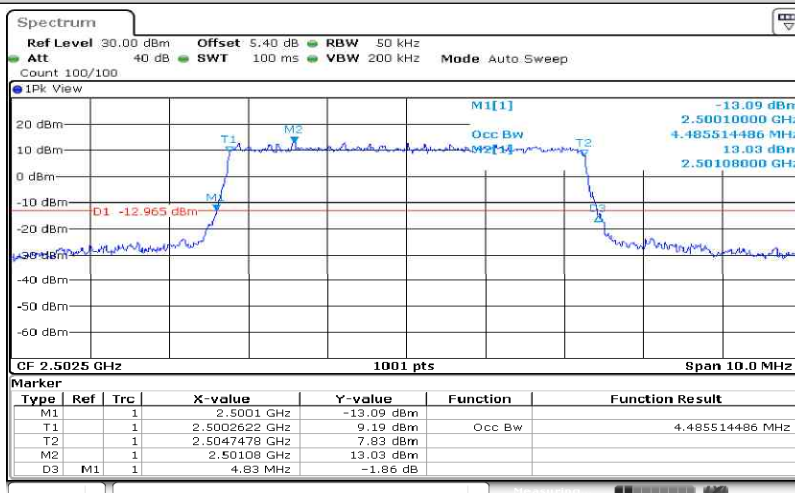


Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 3 JUN 2020 15:43:57

Band7-5MHz-16QAM-20775-25RB#0-4.486

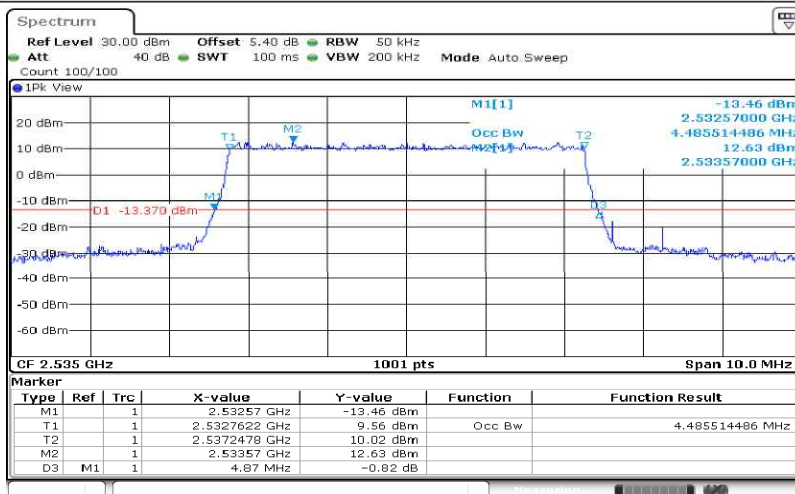


Date: 3 JUN 2020 15:42:56



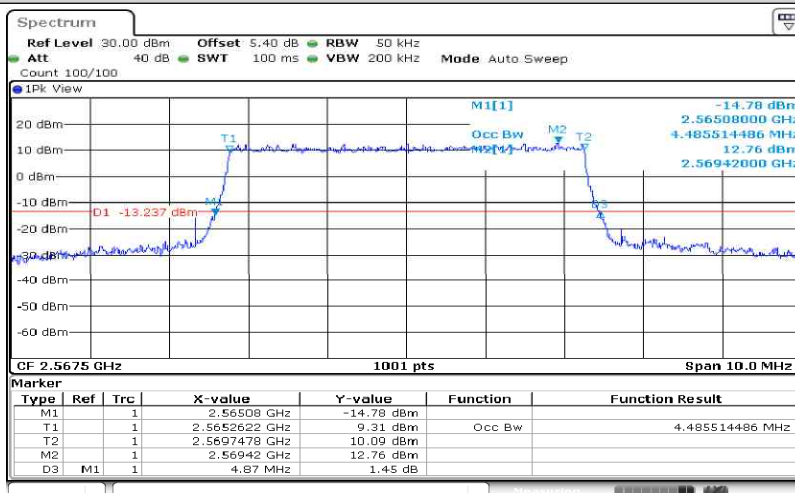


Band7-5MHz-16QAM-21100-25RB#0-4.486



Date: 3 JUN 2020 15:43:36

Band7-5MHz-16QAM-21425-25RB#0-4.486



Date: 3 JUN 2020 15:44:16



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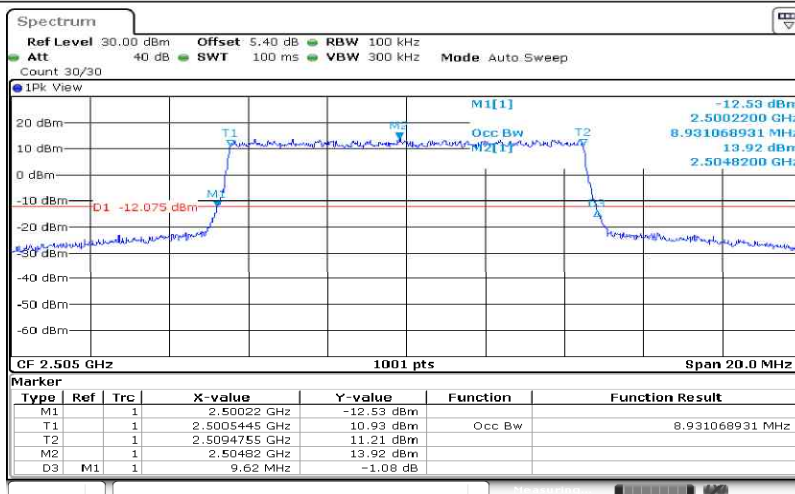
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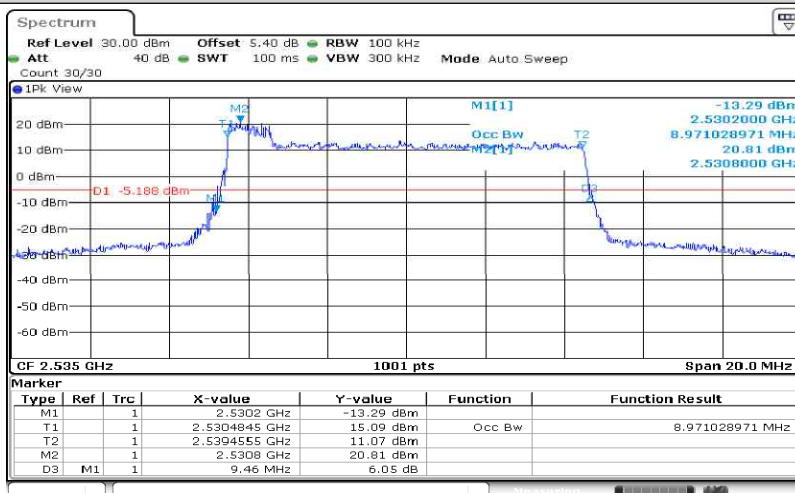


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 3 JUN 2020 15:44:35

Band7-10MHz-QPSK-21100-50RB#0-8.971



Date: 3 JUN 2020 15:45:02



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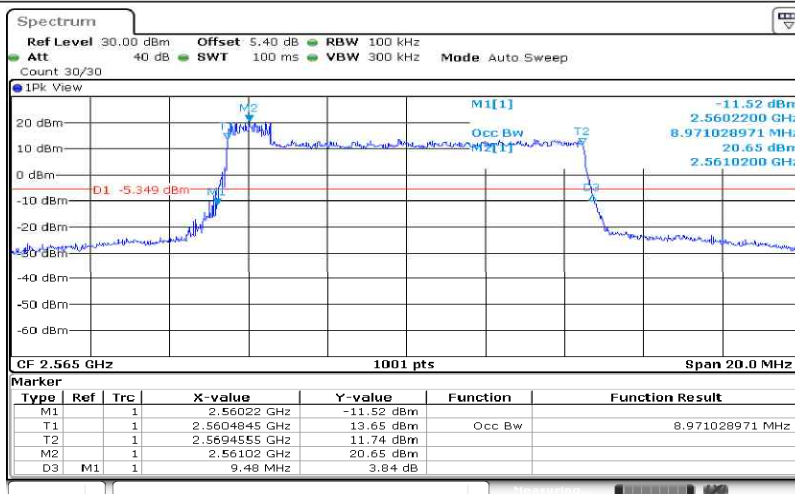
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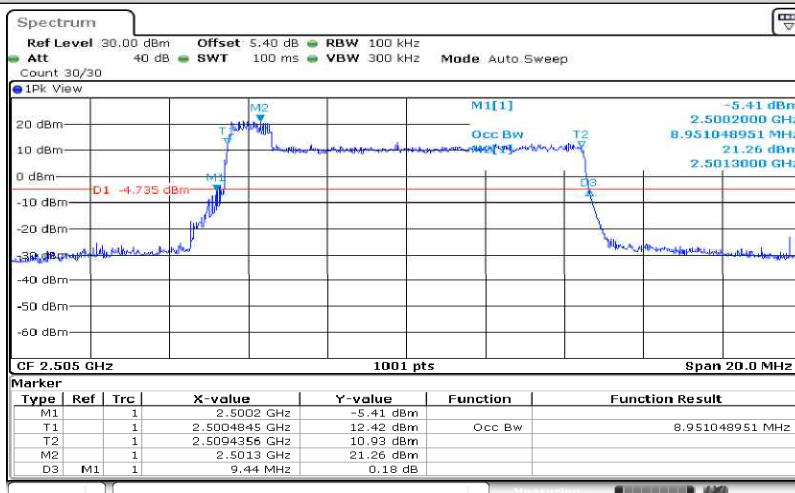


Band7-10MHz-QPSK-21400-50RB#0-8.971



Date: 3 JUN 2020 15:45:28

Band7-10MHz-64QAM-20800-50RB#0-8.951



Date: 5 JUN 2020 04:45:00



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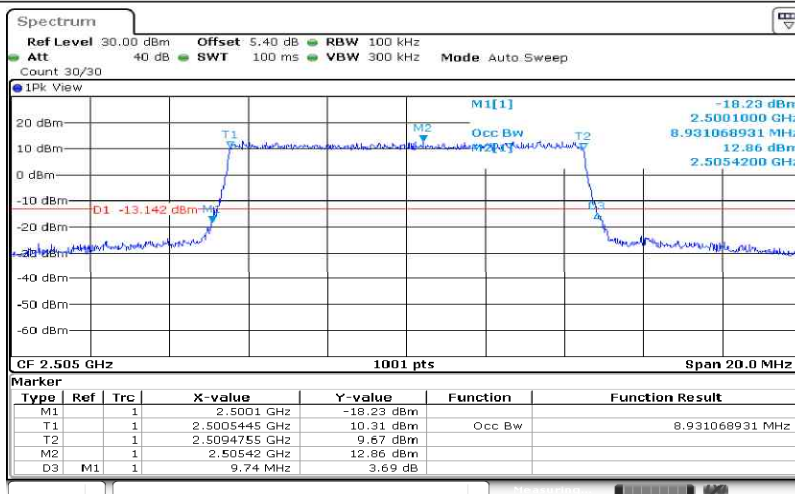
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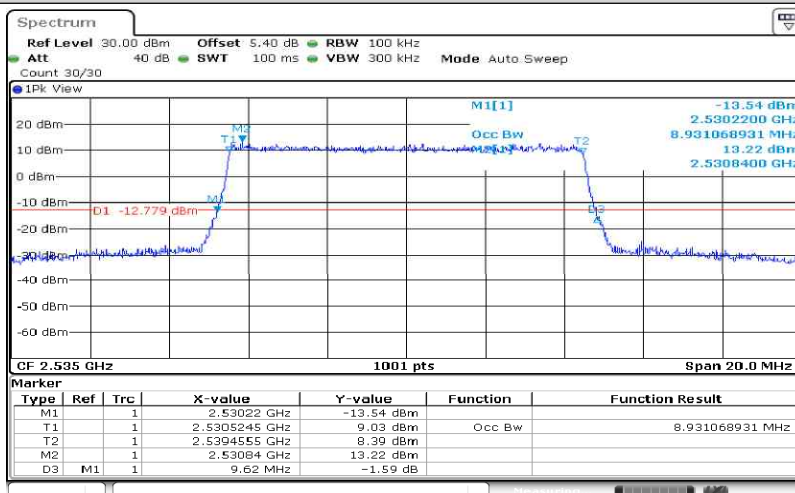


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 3 JUN 2020 15:44:48

Band7-10MHz-16QAM-21100-50RB#0-8.931



Date: 3 JUN 2020 15:45:15



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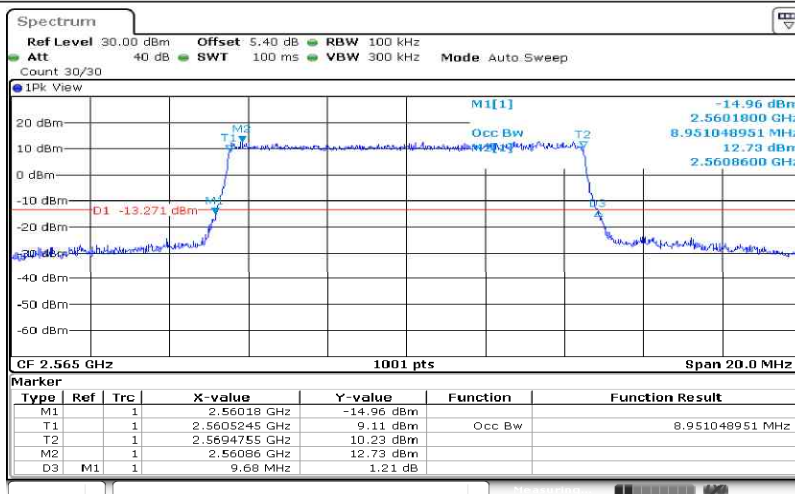
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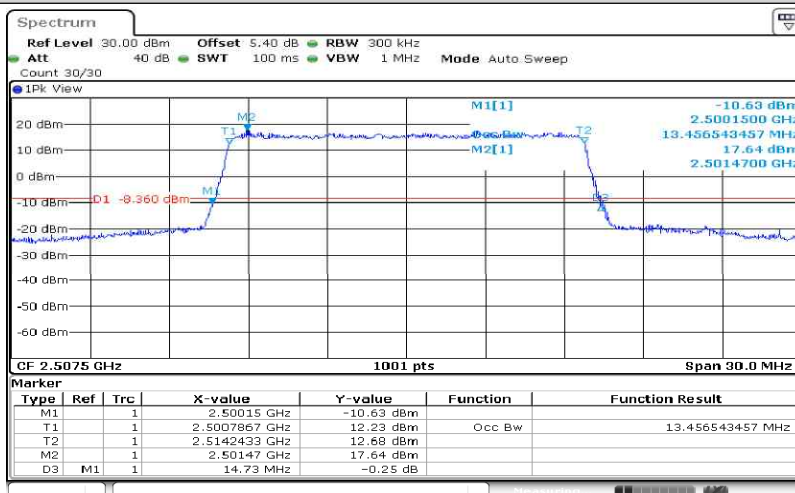


Band7-10MHz-16QAM-21400-50RB#0-8.951



Date: 3 JUN 2020 15:45:40

Band7-15MHz-QPSK-20825-75RB#0-13.457

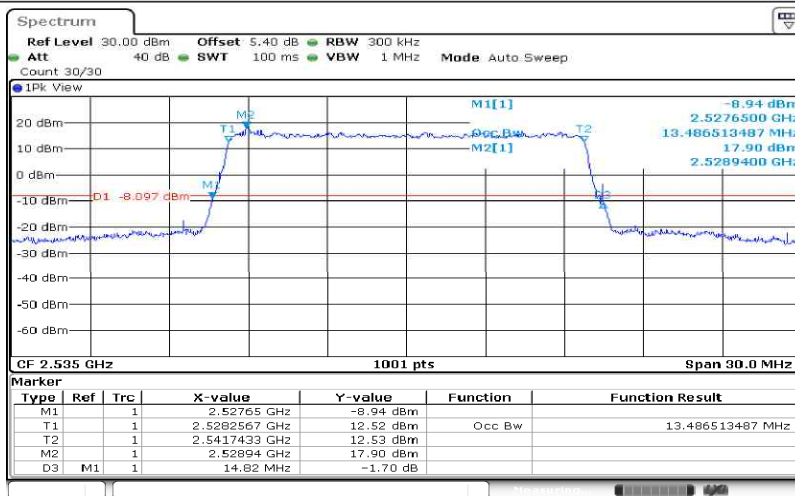


Date: 3 JUN 2020 15:45:59



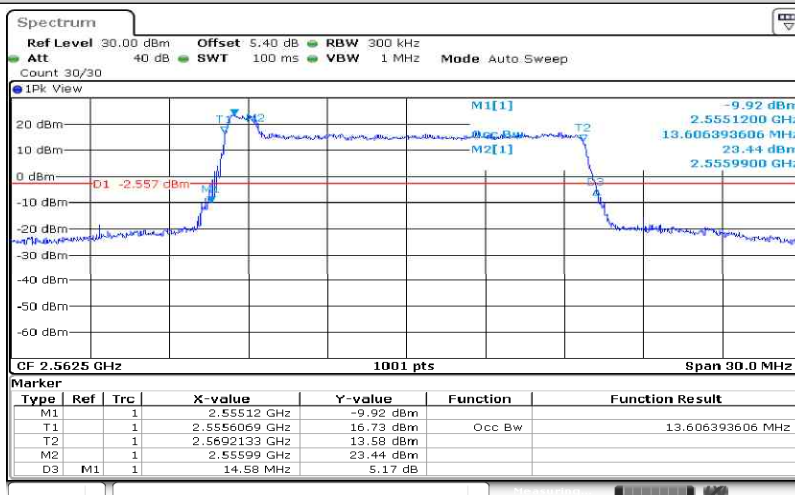


Band7-15MHz-QPSK-21100-75RB#0-13.487



Date: 3 JUN 2020 15:46:25

Band7-15MHz-QPSK-21375-75RB#0-13.606

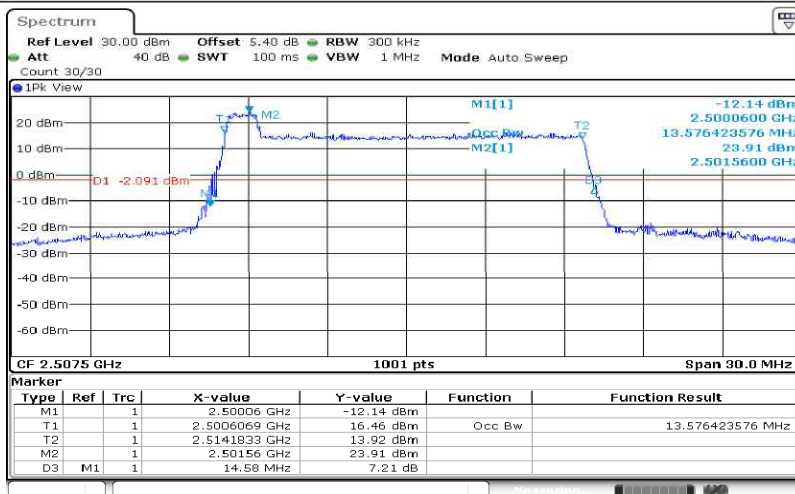


Date: 3 JUN 2020 15:46:51



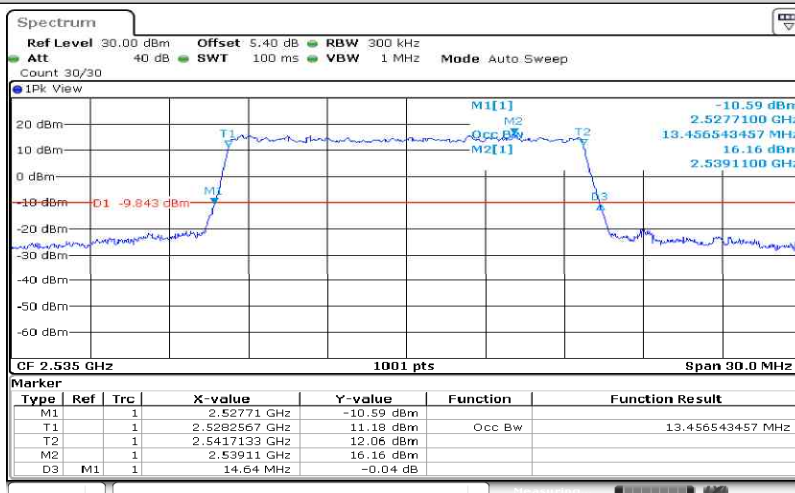


Band7-15MHz-16QAM-20825-75RB#0-13.576



Date: 3 JUN 2020 15:46:12

Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 3 JUN 2020 15:46:38

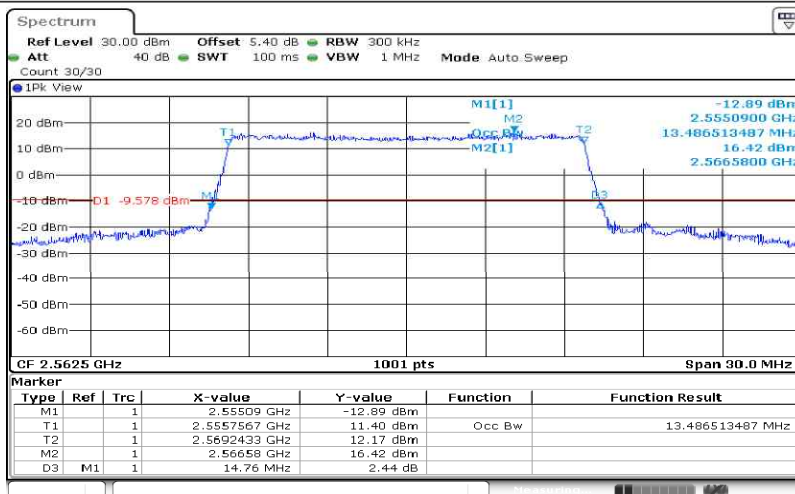


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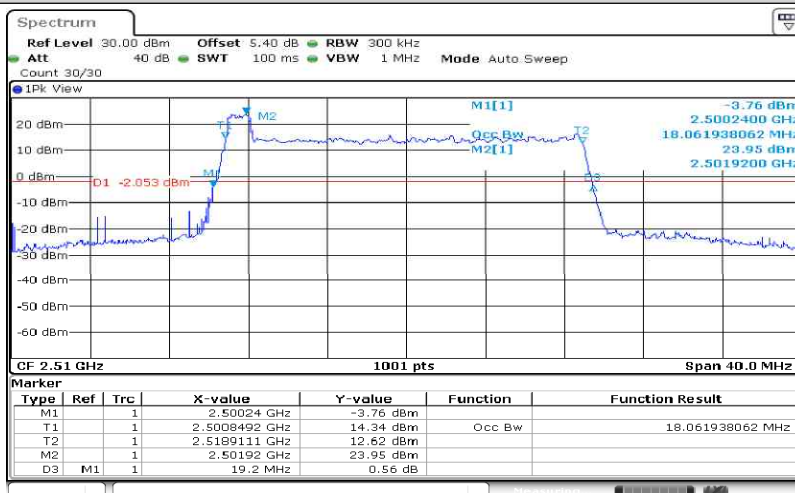


Band7-15MHz-16QAM-21375-75RB#0-13.487



Date: 3 JUN 2020 15:47:03

Band7-20MHz-QPSK-20850-100RB#0-18.062

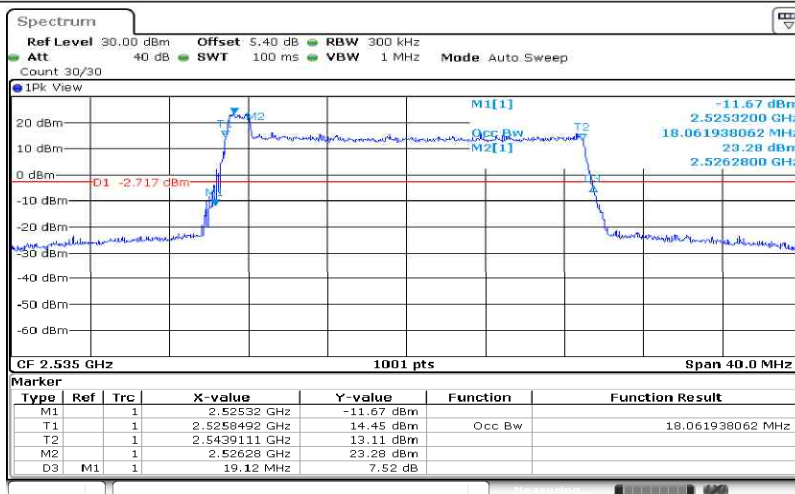


Date: 3 JUN 2020 15:47:22



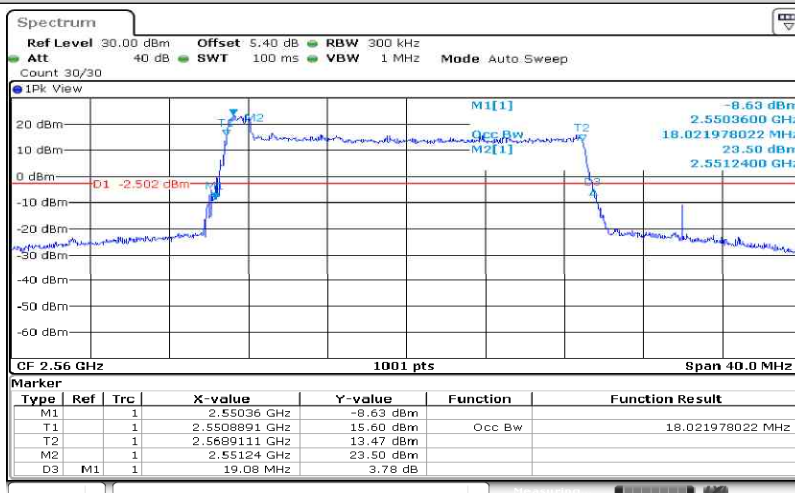


Band7-20MHz-QPSK-21100-100RB#0-18.062



Date: 3 JUN 2020 15:47:48

Band7-20MHz-QPSK-21350-100RB#0-18.022



Date: 3 JUN 2020 15:48:14



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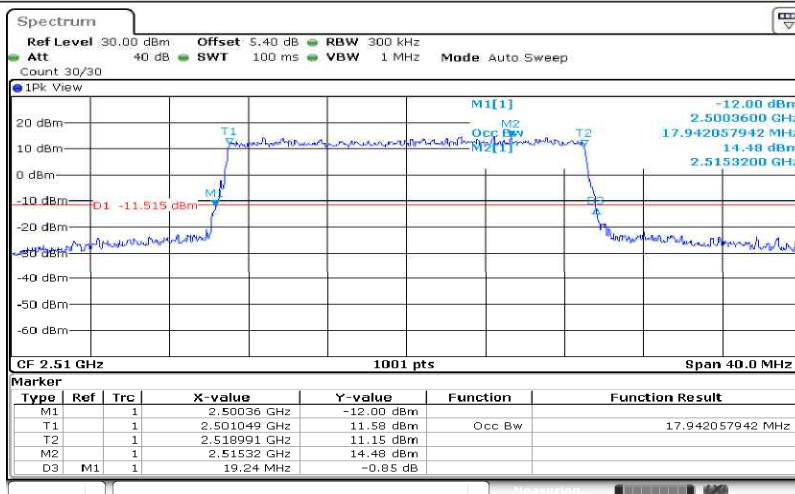
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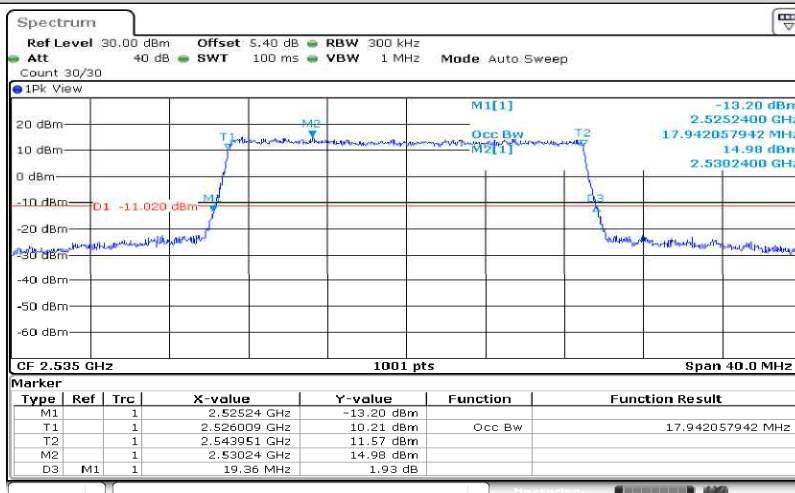


Band7-20MHz-16QAM-20850-100RB#0-17.942



Date: 3 JUN 2020 15:47:35

Band7-20MHz-16QAM-21100-100RB#0-17.942



Date: 3 JUN 2020 15:48:01



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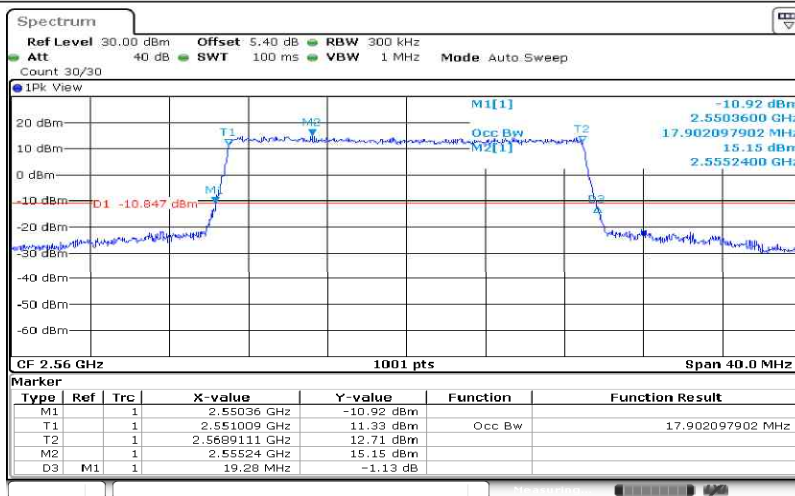
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Band7-20MHz-16QAM-21350-100RB#0-17.902



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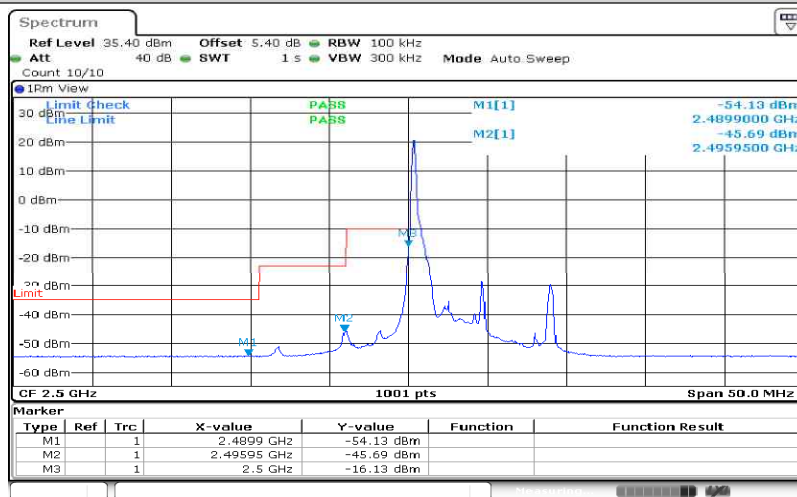
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## 5. Band Edge Compliance

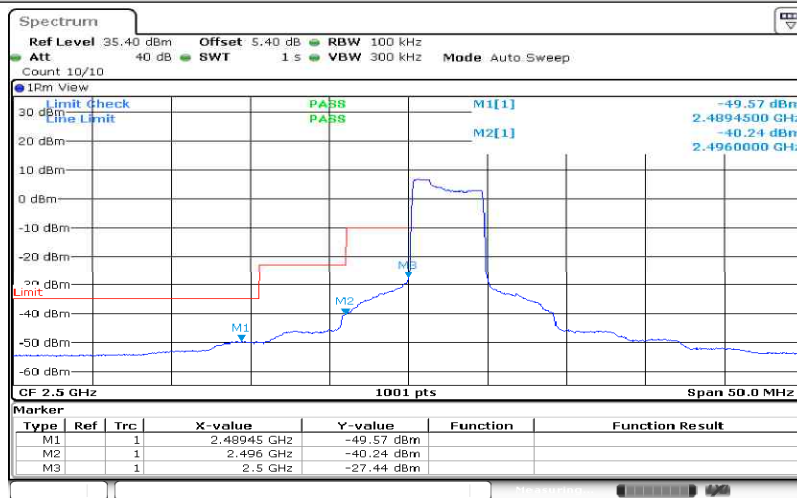
### 5.1. Test Plots

Band7-5MHz-QPSK-20775-1RB#0



Date: 3 JUN 2020 15:48:54

Band7-5MHz-QPSK-20775-25RB#0



Date: 3 JUN 2020 15:50:29



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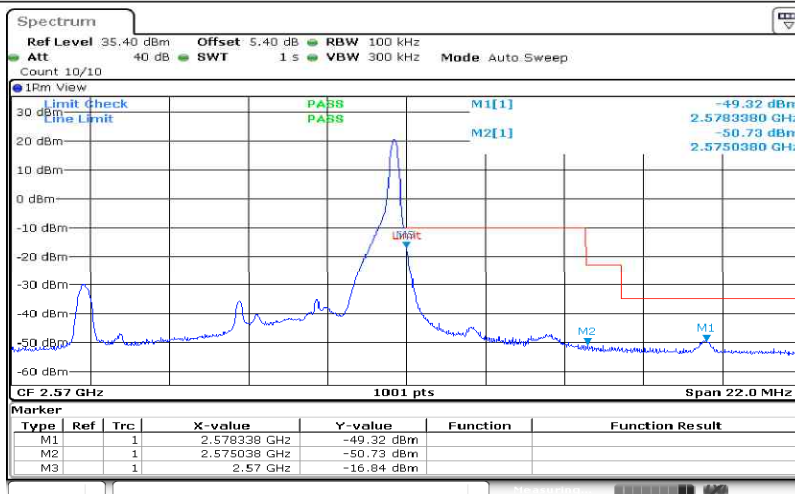
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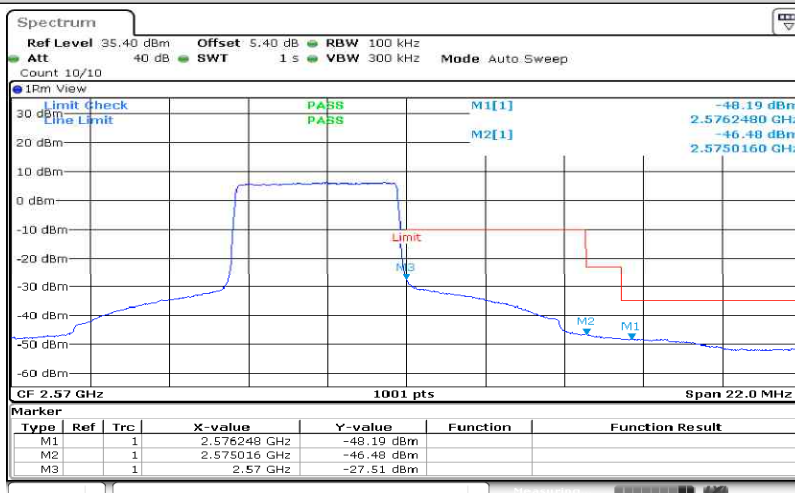


Band7-5MHz-QPSK-21425-1RB#24



Date: 3 JUN 2020 15:49:41

Band7-5MHz-QPSK-21425-25RB#0

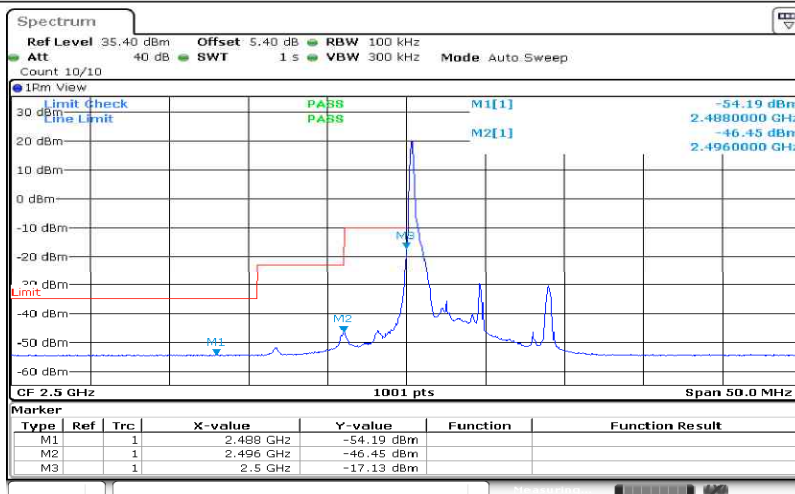


Date: 3 JUN 2020 15:51:12



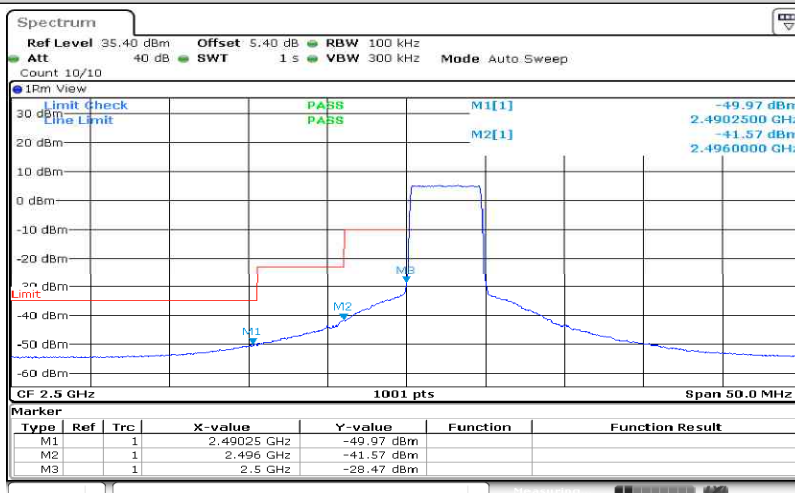


Band7-5MHz-16QAM-20775-1RB#0



Date: 3 JUN 2020 15:49:16

Band7-5MHz-16QAM-20775-25RB#0

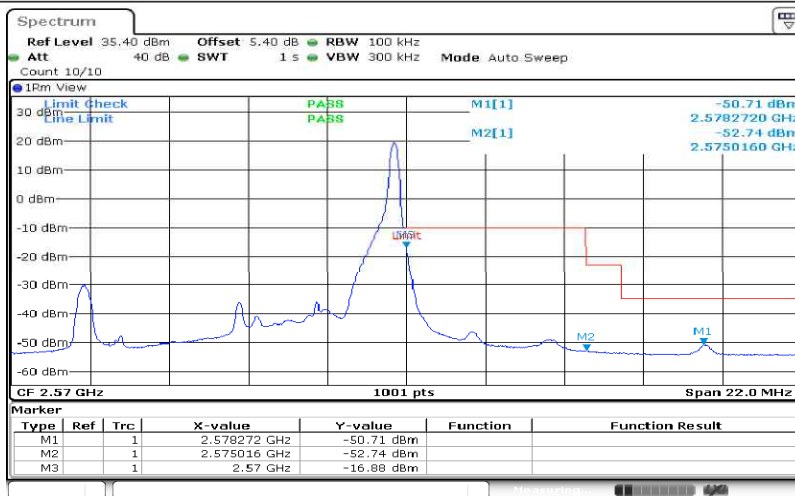


Date: 3 JUN 2020 15:50:50



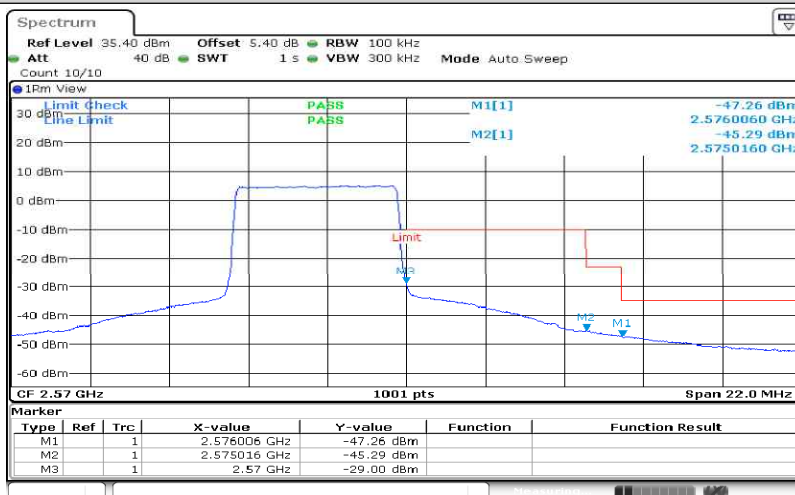


Band7-5MHz-16QAM-21425-1RB#24



Date: 3 JUN 2020 15:50:03

Band7-5MHz-16QAM-21425-25RB#0

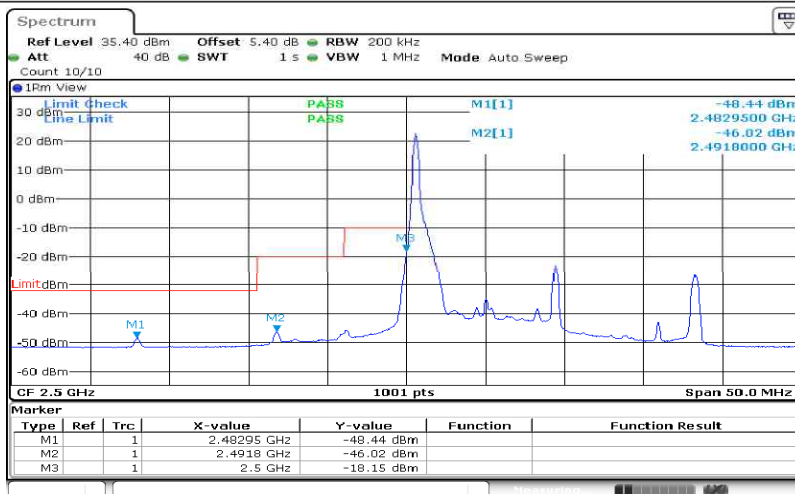


Date: 3 JUN 2020 15:51:33



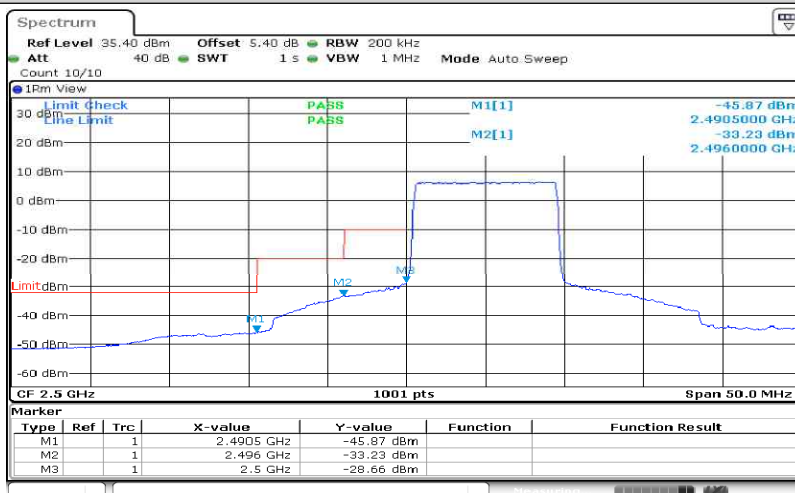


Band7-10MHz-QPSK-20800-1RB#0



Date: 3 JUN 2020 15:52:00

Band7-10MHz-QPSK-20800-50RB#0

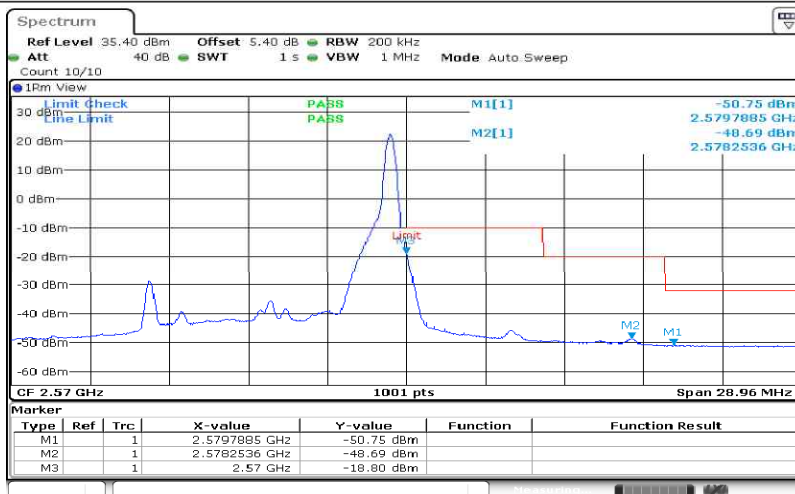


Date: 3 JUN 2020 15:53:34



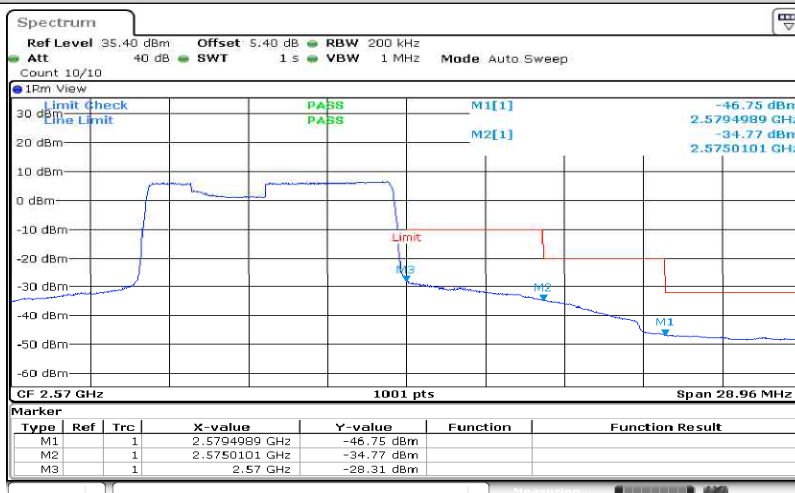


Band7-10MHz-QPSK-21400-1RB#49



Date: 3 JUN 2020 15:52:47

Band7-10MHz-QPSK-21400-50RB#0



Date: 3 JUN 2020 15:54:16



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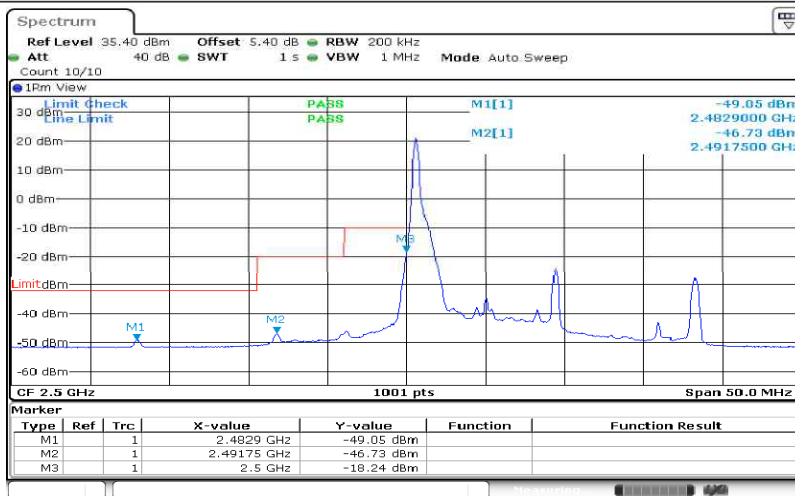
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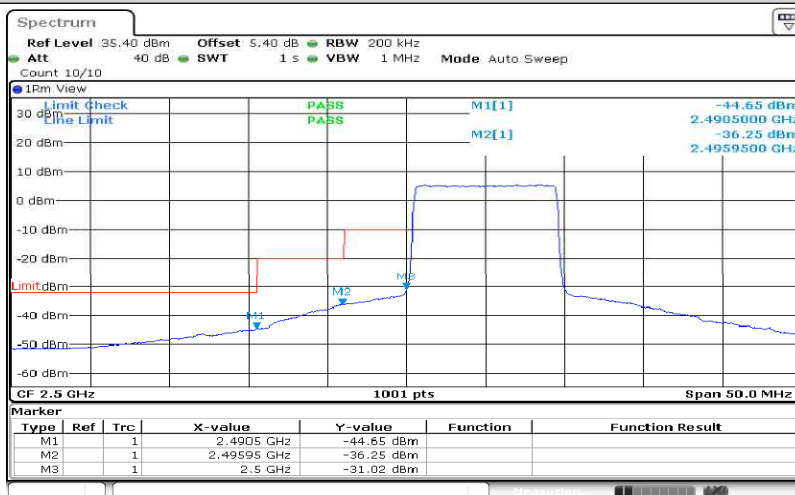


Band7-10MHz-16QAM-20800-1RB#0



Date: 3 JUN 2020 15:52:21

Band7-10MHz-16QAM-20800-50RB#0



Date: 3 JUN 2020 15:53:55



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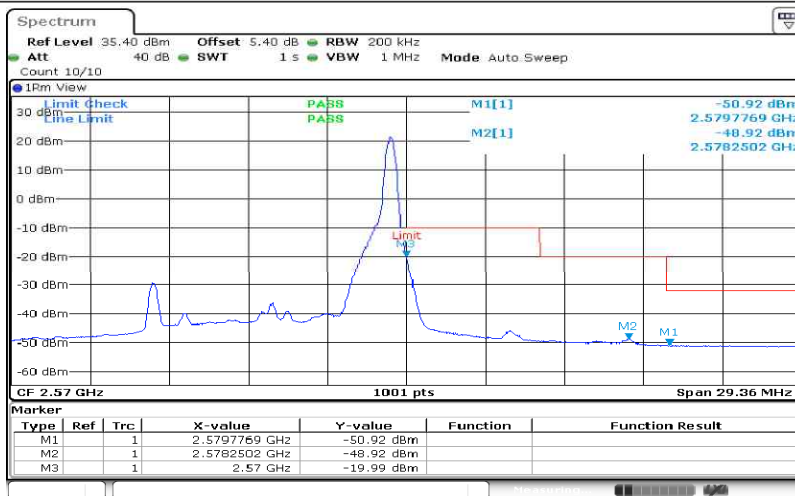
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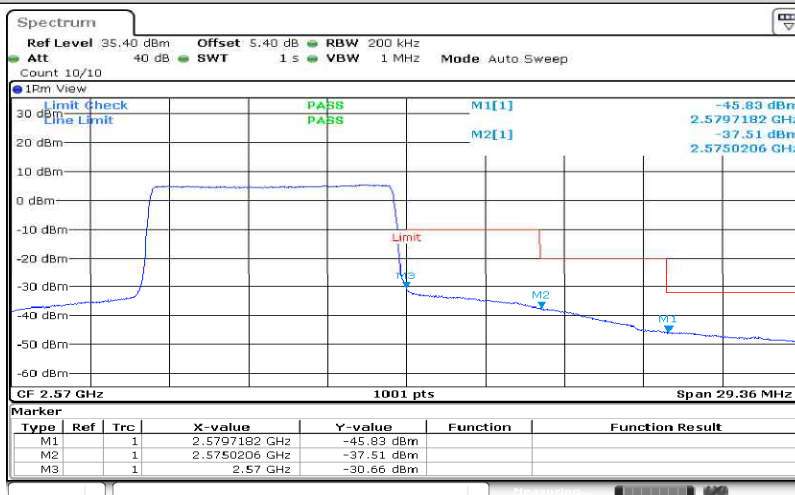


Band7-10MHz-16QAM-21400-1RB#49



Date: 3 JUN 2020 15:53:08

Band7-10MHz-16QAM-21400-50RB#0



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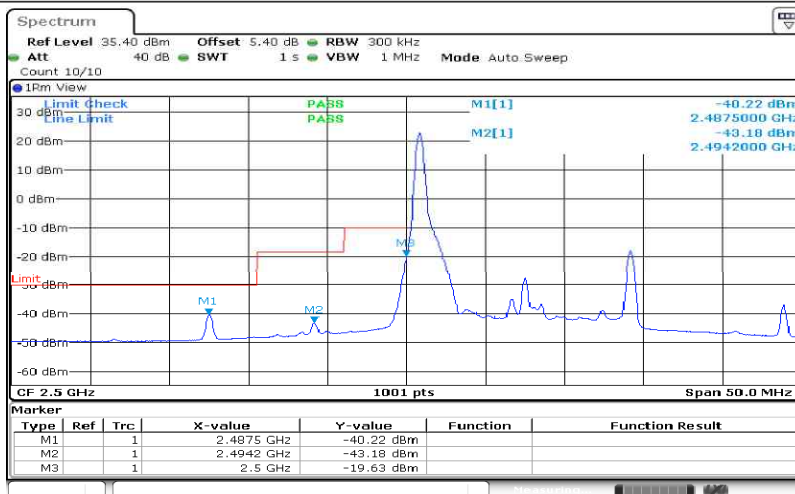
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Band7-15MHz-QPSK-20825-1RB#0



Date: 3 JUN 2020 15:55:05

Band7-15MHz-QPSK-20825-75RB#0



Date: 3 JUN 2020 15:56:39



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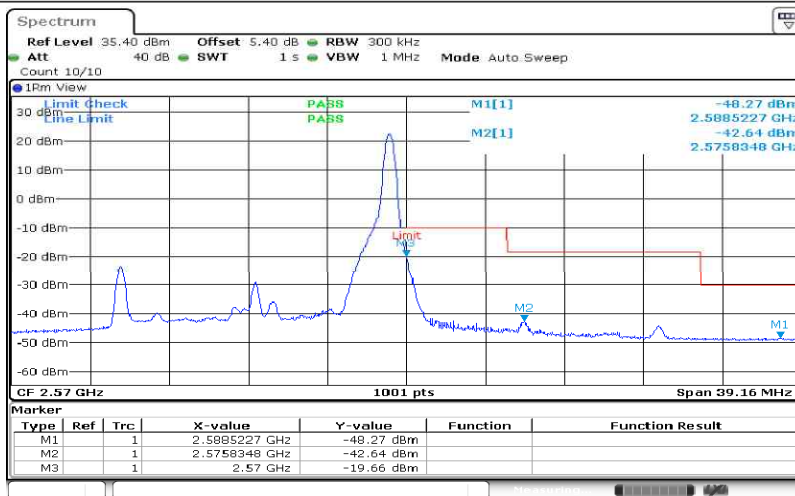
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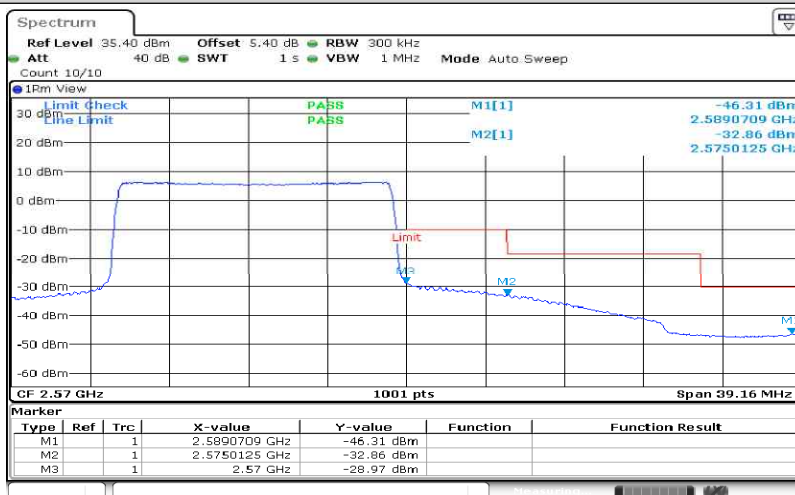


Band7-15MHz-QPSK-21375-1RB#74



Date: 3 JUN 2020 15:55:52

Band7-15MHz-QPSK-21375-75RB#0

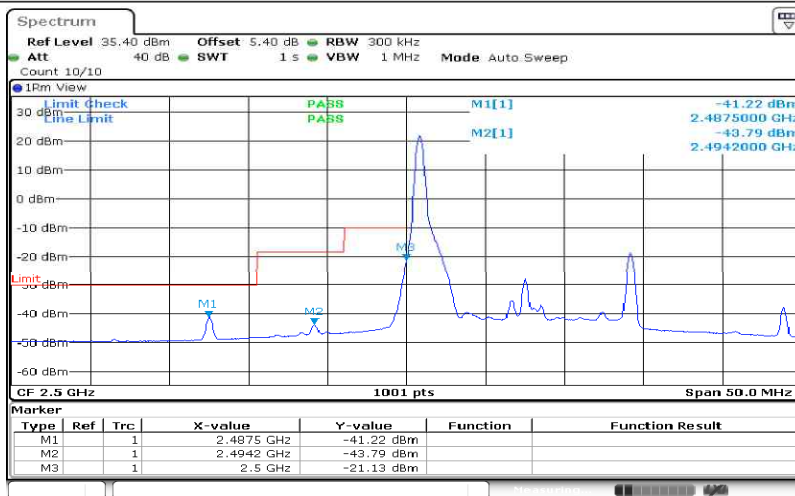


Date: 3 JUN 2020 15:57:22



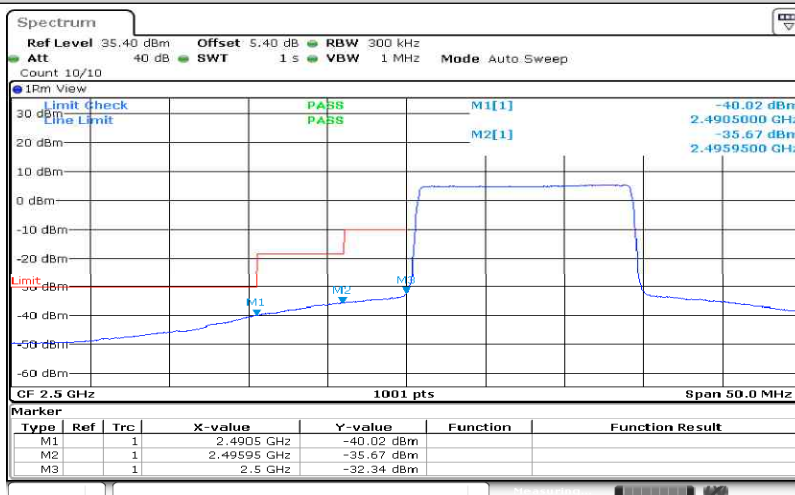


Band7-15MHz-16QAM-20825-1RB#0



Date: 3 JUN 2020 15:55:26

Band7-15MHz-16QAM-20825-75RB#0



Date: 3 JUN 2020 15:57:00



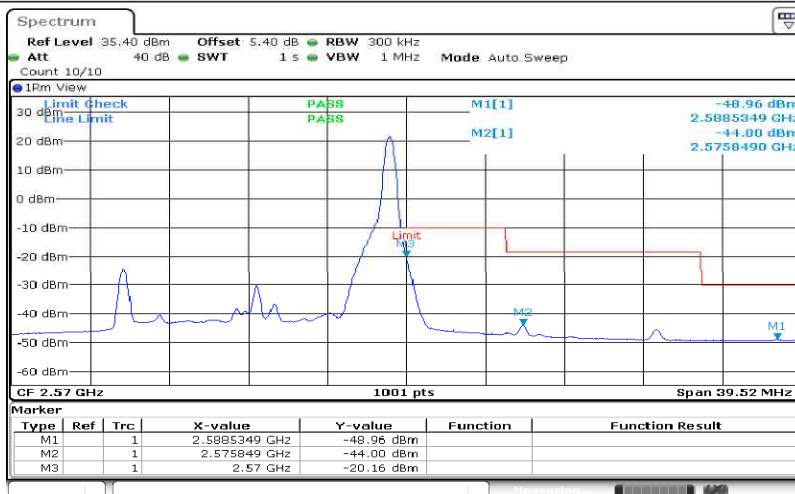
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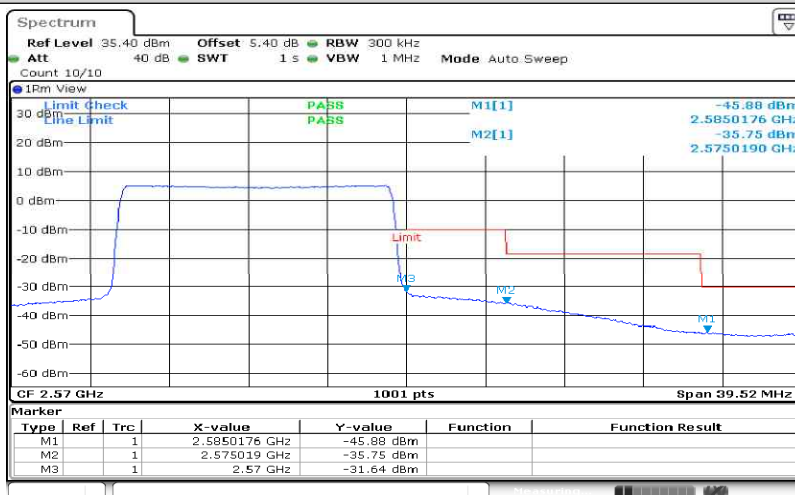
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Band7-15MHz-16QAM-21375-1RB#74



Date: 3 JUN 2020 15:56:13

Band7-15MHz-16QAM-21375-75RB#0



Date: 3 JUN 2020 15:57:43



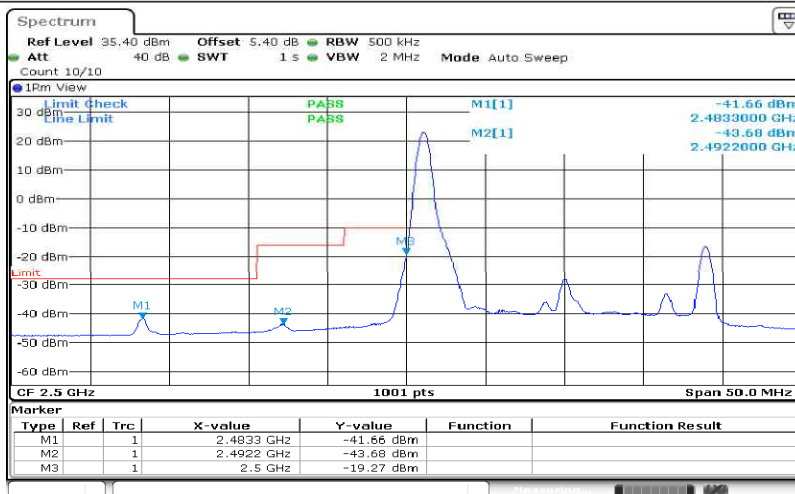
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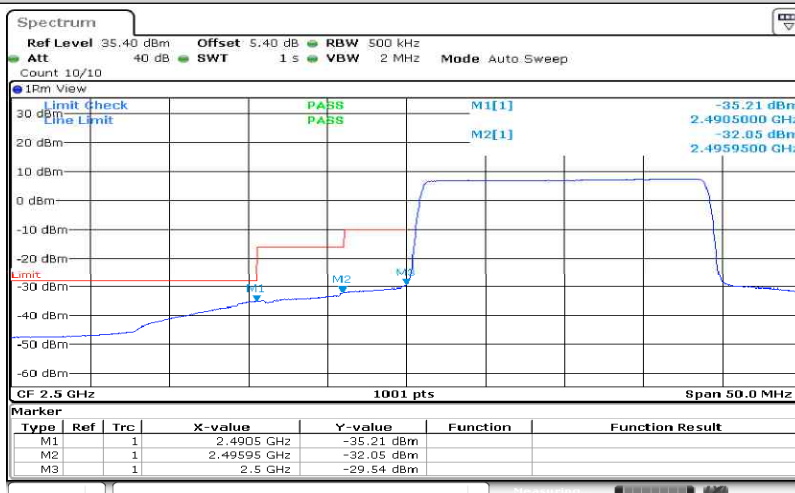


Band7-20MHz-QPSK-20850-1RB#0



Date: 3 JUN 2020 15:58:10

Band7-20MHz-QPSK-20850-100RB#0

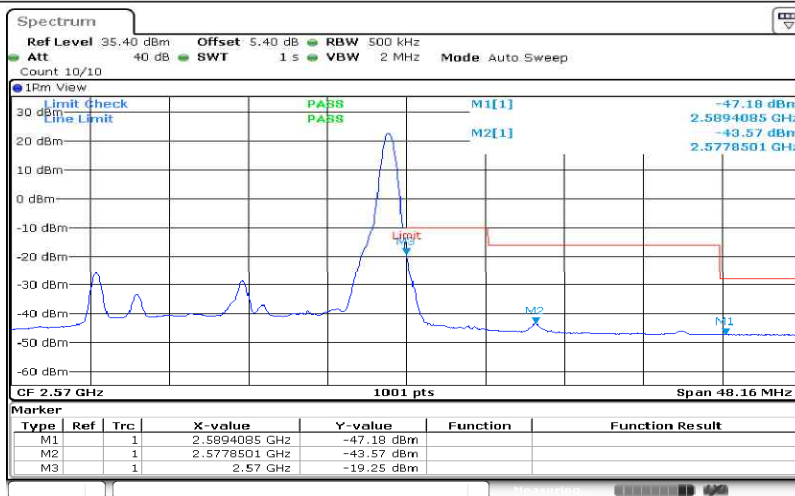


Date: 3 JUN 2020 15:59:45



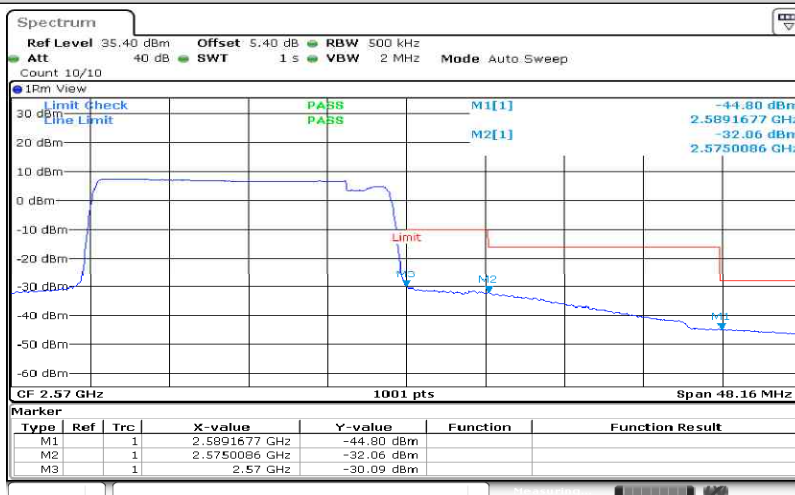


Band7-20MHz-QPSK-21350-1RB#99



Date: 3 JUN 2020 15:58:58

Band7-20MHz-QPSK-21350-100RB#0



Date: 3 JUN 2020 16:00:28



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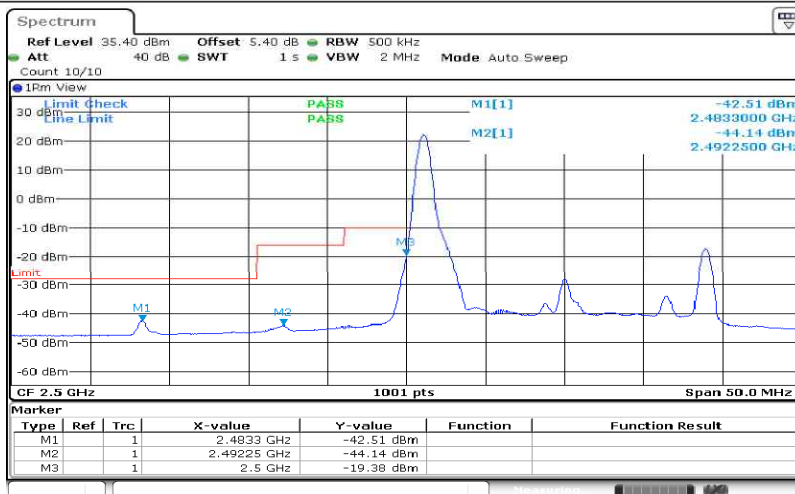
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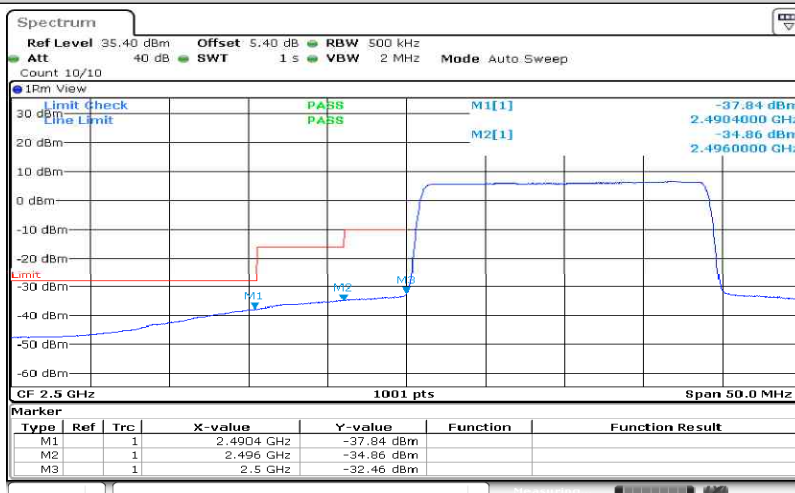


Band7-20MHz-16QAM-20850-1RB#0



Date: 3 JUN 2020 15:58:32

Band7-20MHz-16QAM-20850-100RB#0



Date: 3 JUN 2020 16:00:06



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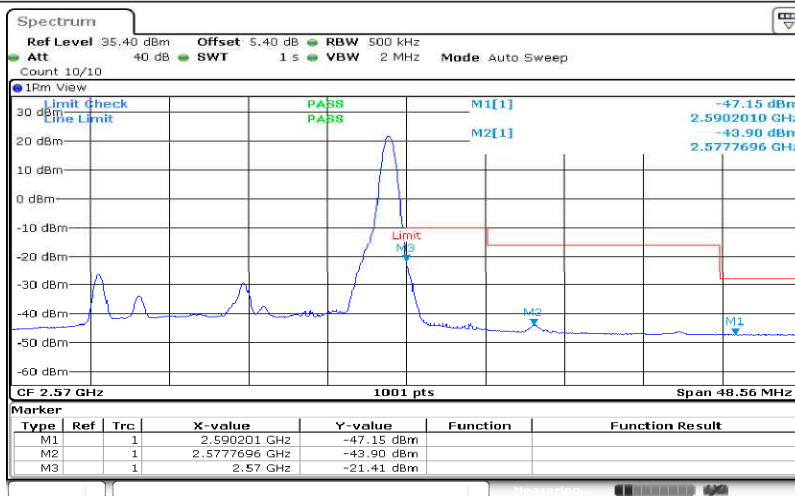
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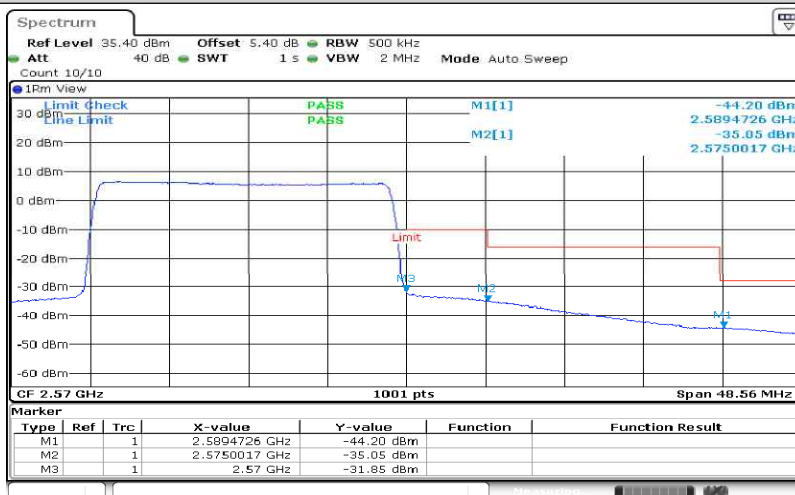


Band7-20MHz-16QAM-21350-1RB#99



Date: 3 JUN 2020 15:59:19

Band7-20MHz-16QAM-21350-100RB#0



Date: 3 JUN 2020 16:00:49



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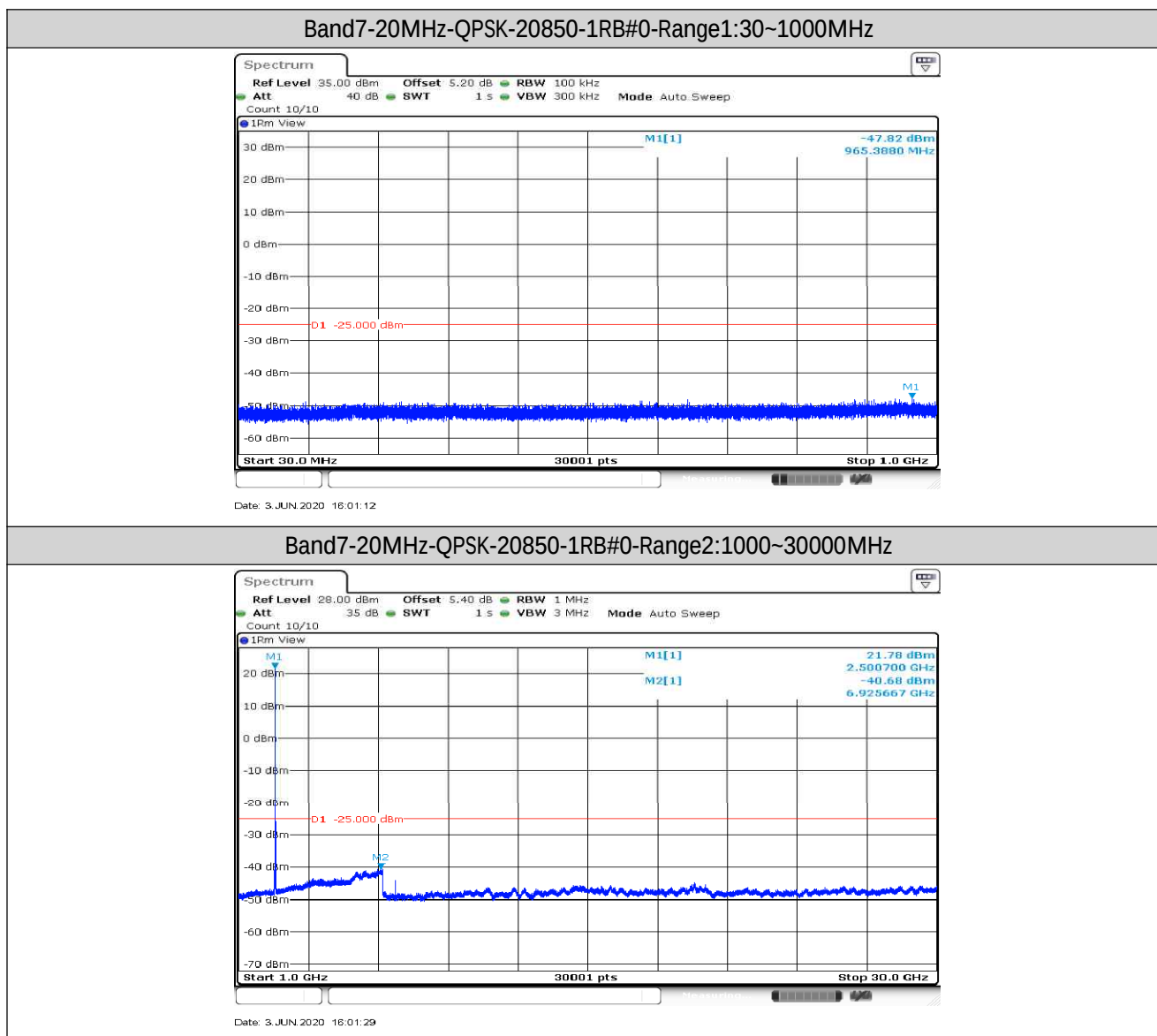
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## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

### 6.1. Test Plots



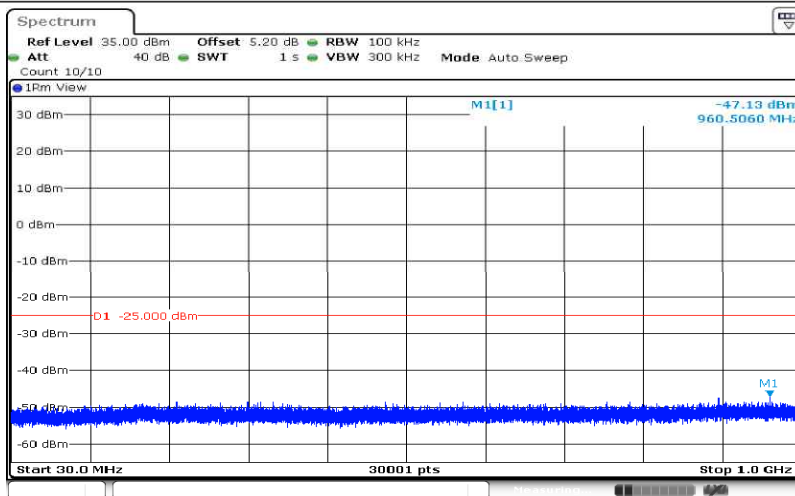
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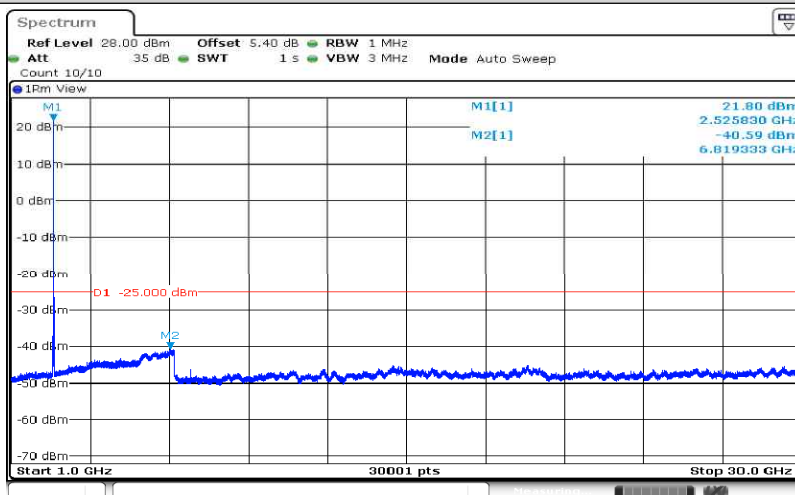


Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 16:02:23

Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz

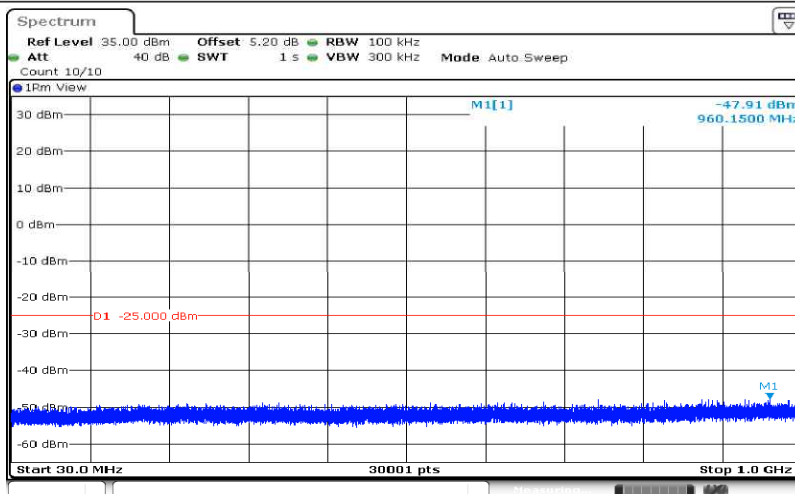


Date: 3 JUN 2020 16:02:39



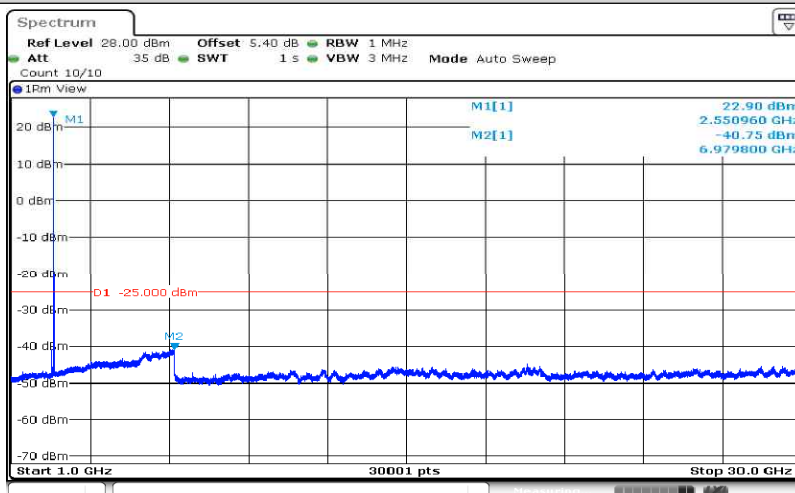


Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 16:03:34

Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz

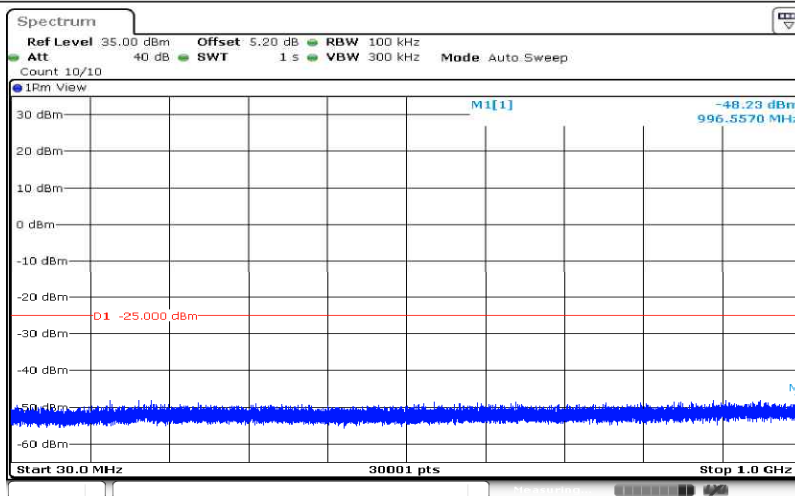


Date: 3 JUN 2020 16:03:50



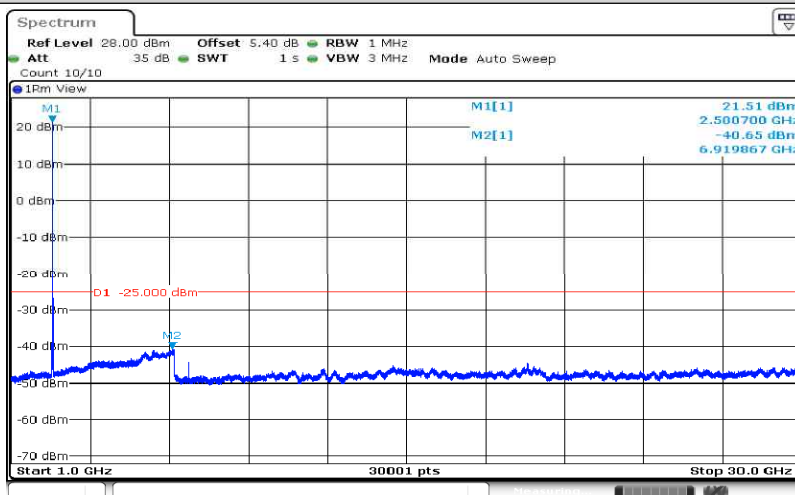


Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 16:01:48

Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 3 JUN 2020 16:02:04

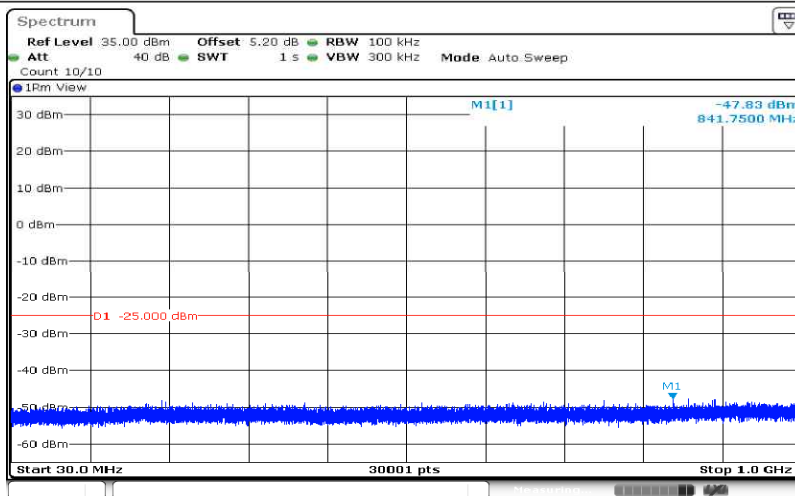


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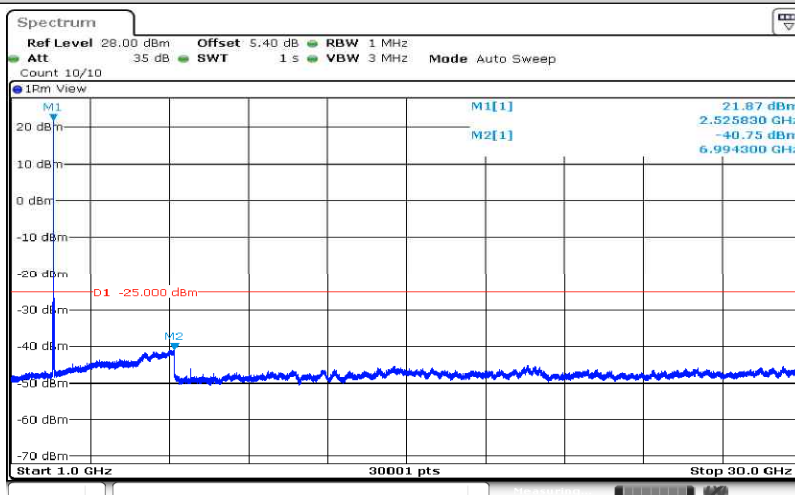


Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 16:02:58

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 3 JUN 2020 16:03:14



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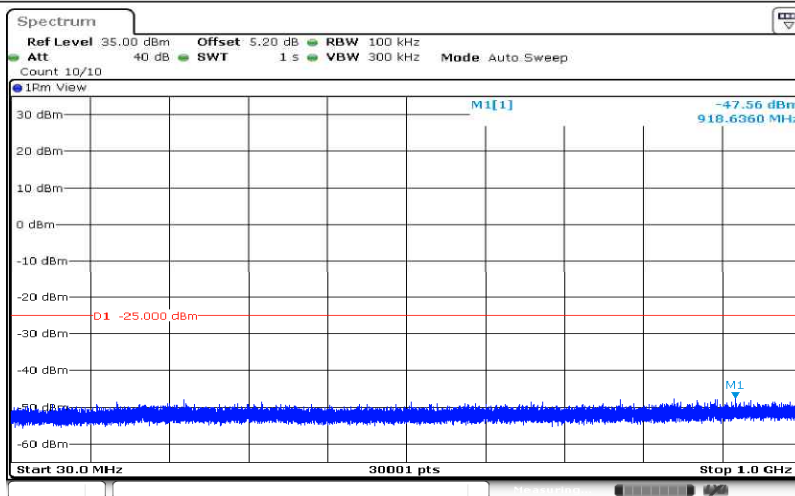
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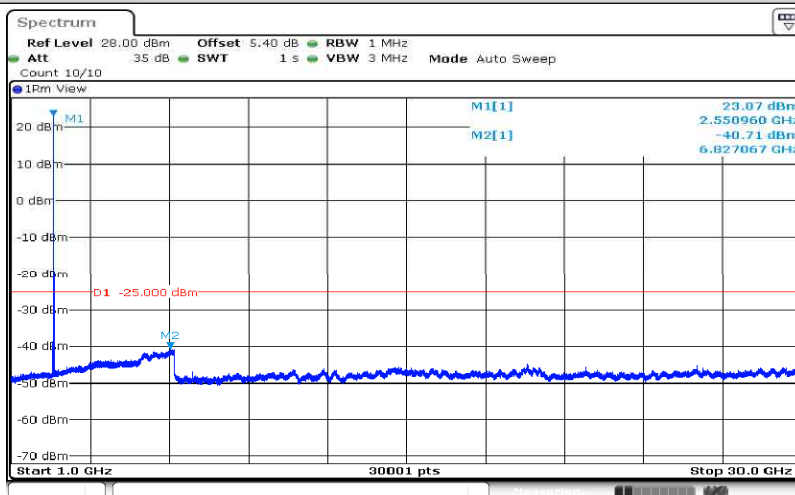


Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 3 JUN 2020 16:04:09

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 3 JUN 2020 16:04:25



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE Band 7

#### 7.1.1. Test Mode = LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 106.5853        | -65.69      | -25.00           | 40.69       | Vertical     |
| 615.1333        | -65.36      | -25.00           | 40.36       | Vertical     |
| 1728.5457       | -45.43      | -25.00           | 20.43       | Vertical     |
| 7353.7742       | -58.23      | -25.00           | 33.23       | Vertical     |
| 14499.4600      | -49.90      | -25.00           | 24.90       | Vertical     |
| 17933.9974      | -43.62      | -25.00           | 18.62       | Vertical     |
| 40.7675         | -65.46      | -25.00           | 40.46       | Horizontal   |
| 235.3108        | -69.68      | -25.00           | 44.68       | Horizontal   |
| 1819.7640       | -44.70      | -25.00           | 19.70       | Horizontal   |
| 7459.9784       | -58.65      | -25.00           | 33.65       | Horizontal   |
| 16386.5355      | -46.10      | -25.00           | 21.10       | Horizontal   |
| 17999.4000      | -47.44      | -25.00           | 22.44       | Horizontal   |

##### 7.1.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 106.3428        | -66.88      | -25.00           | 41.88       | Vertical     |
| 751.7161        | -63.37      | -25.00           | 38.37       | Vertical     |
| 1726.5453       | -45.43      | -25.00           | 20.43       | Vertical     |
| 7908.1963       | -58.29      | -25.00           | 33.29       | Vertical     |
| 14492.2597      | -49.64      | -25.00           | 24.64       | Vertical     |
| 17999.4000      | -43.11      | -25.00           | 18.11       | Vertical     |
| 41.3011         | -65.32      | -25.00           | 40.32       | Horizontal   |
| 235.8443        | -68.73      | -25.00           | 43.73       | Horizontal   |
| 1800.5601       | -44.39      | -25.00           | 19.39       | Horizontal   |
| 7474.9790       | -58.67      | -25.00           | 33.67       | Horizontal   |
| 16386.5355      | -46.26      | -25.00           | 21.26       | Horizontal   |
| 17998.8000      | -47.53      | -25.00           | 22.53       | Horizontal   |



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### 7.1.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 109.9805        | -65.56      | -25.00           | 40.56       | Vertical     |
| 669.1165        | -64.50      | -25.00           | 39.50       | Vertical     |
| 1718.9438       | -45.49      | -25.00           | 20.49       | Vertical     |
| 7354.9742       | -57.81      | -25.00           | 32.81       | Vertical     |
| 14519.2608      | -50.09      | -25.00           | 25.09       | Vertical     |
| 17998.8000      | -43.02      | -25.00           | 18.02       | Vertical     |
| 44.0657         | -65.19      | -25.00           | 40.19       | Horizontal   |
| 238.6089        | -68.93      | -25.00           | 43.93       | Horizontal   |
| 1803.3607       | -44.71      | -25.00           | 19.71       | Horizontal   |
| 7405.9762       | -58.90      | -25.00           | 33.90       | Horizontal   |
| 16384.7354      | -46.01      | -25.00           | 21.01       | Horizontal   |
| 17987.9995      | -47.70      | -25.00           | 22.70       | Horizontal   |

Remark:

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





## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band  | Bandwidth<br>h | Modulation | Channel | RB<br>Configur<br>e | Voltage<br>[Vdc] | Tempe<br>rature<br>(°C) | Deviation<br>n<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|-------|----------------|------------|---------|---------------------|------------------|-------------------------|------------------------|--------------------|----------------|---------|
| Band7 | 20MHz          | QPSK       | 20850   | 100RB#0             | VL               | NT                      | -7.60                  | -0.003028          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850   | 100RB#0             | VN               | NT                      | -10.20                 | -0.004064          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850   | 100RB#0             | VH               | NT                      | 0.60                   | 0.000239           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100   | 100RB#0             | VL               | NT                      | -7.20                  | -0.002840          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100   | 100RB#0             | VN               | NT                      | -5.10                  | -0.002012          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100   | 100RB#0             | VH               | NT                      | 2.70                   | 0.001065           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350   | 100RB#0             | VL               | NT                      | -16.40                 | -0.006406          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350   | 100RB#0             | VN               | NT                      | -11.70                 | -0.004570          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350   | 100RB#0             | VH               | NT                      | -10.60                 | -0.004141          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 20850   | 100RB#0             | VL               | NT                      | -10.50                 | -0.004183          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 20850   | 100RB#0             | VN               | NT                      | -14.50                 | -0.005777          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 20850   | 100RB#0             | VH               | NT                      | 0.20                   | 0.000080           | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21100   | 100RB#0             | VL               | NT                      | -13.40                 | -0.005286          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21100   | 100RB#0             | VN               | NT                      | -0.10                  | -0.000039          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21100   | 100RB#0             | VH               | NT                      | -8.70                  | -0.003432          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21350   | 100RB#0             | VL               | NT                      | -14.80                 | -0.005781          | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21350   | 100RB#0             | VN               | NT                      | 1.40                   | 0.000547           | ±2.5           | PASS    |
| Band7 | 20MHz          | 64QAM      | 21350   | 100RB#0             | VH               | NT                      | -11.70                 | -0.004570          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850   | 100RB#0             | VL               | NT                      | -8.70                  | -0.003466          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850   | 100RB#0             | VN               | NT                      | -4.40                  | -0.001753          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850   | 100RB#0             | VH               | NT                      | -3.50                  | -0.001394          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100   | 100RB#0             | VL               | NT                      | -13.20                 | -0.005207          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100   | 100RB#0             | VN               | NT                      | 3.50                   | 0.001381           | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100   | 100RB#0             | VH               | NT                      | 1.40                   | 0.000552           | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350   | 100RB#0             | VL               | NT                      | -3.80                  | -0.001484          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350   | 100RB#0             | VN               | NT                      | -6.60                  | -0.002578          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350   | 100RB#0             | VH               | NT                      | 0.20                   | 0.000078           | ±2.5           | PASS    |



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## 8.2. Frequency Vs Temperature

| Band  | Bandwidth<br>h | Modulation | Channel<br>l | RB<br>Configure | Voltage<br>[Vdc] | Temperature<br>(°C) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|-------|----------------|------------|--------------|-----------------|------------------|---------------------|-------------------|--------------------|----------------|---------|
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | -30                 | -11.50            | -0.004582          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | -20                 | 5.70              | 0.002271           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 0                   | 4.80              | 0.001912           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 10                  | -11.20            | -0.004462          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 20                  | -1.10             | -0.000438          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 30                  | 0.70              | 0.000279           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 40                  | 6.00              | 0.002390           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 20850        | 100RB#0         | NV               | 50                  | 1.80              | 0.000717           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | -30                 | 7.80              | 0.003077           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | -20                 | -0.80             | -0.000316          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 0                   | -11.60            | -0.004576          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 10                  | 4.30              | 0.001696           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 20                  | -0.40             | -0.000158          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 30                  | -7.00             | -0.002761          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 40                  | -2.30             | -0.000907          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21100        | 100RB#0         | NV               | 50                  | -4.40             | -0.001736          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | -30                 | -14.20            | -0.005547          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | -20                 | -11.70            | -0.004570          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 0                   | -3.20             | -0.001250          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 10                  | -9.80             | -0.003828          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 20                  | -3.20             | -0.001250          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 30                  | 2.60              | 0.001016           | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 40                  | -8.90             | -0.003477          | ±2.5           | PASS    |
| Band7 | 20MHz          | QPSK       | 21350        | 100RB#0         | NV               | 50                  | 0.40              | 0.000156           | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | -30                 | -5.50             | -0.002191          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | -20                 | -7.50             | -0.002988          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 0                   | -12.10            | -0.004821          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 10                  | -6.90             | -0.002749          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 20                  | -8.60             | -0.003426          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 30                  | -1.60             | -0.000637          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 40                  | -8.90             | -0.003546          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 20850        | 100RB#0         | NV               | 50                  | -7.30             | -0.002908          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | -30                 | -10.10            | -0.003984          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | -20                 | -6.70             | -0.002643          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 0                   | -8.40             | -0.003314          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 10                  | -16.60            | -0.006548          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 20                  | -3.70             | -0.001460          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 30                  | -14.70            | -0.005799          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 40                  | -14.50            | -0.005720          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21100        | 100RB#0         | NV               | 50                  | -1.00             | -0.000394          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350        | 100RB#0         | NV               | -30                 | 1.00              | 0.000391           | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350        | 100RB#0         | NV               | -20                 | -15.90            | -0.006211          | ±2.5           | PASS    |
| Band7 | 20MHz          | 16QAM      | 21350        | 100RB#0         | NV               | 0                   | -10.40            | -0.004063          | ±2.5           | PASS    |



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|       |       |       |       |         |    |    |        |           |      |      |
|-------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 10 | 5.90   | 0.002305  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 20 | -15.40 | -0.006016 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 30 | -7.30  | -0.002852 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 40 | 1.00   | 0.000391  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 50 | -1.90  | -0.000742 | ±2.5 | PASS |



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

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