



# Appendix B

## E-UTRA Band 7



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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | 23.17                | 24.69      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#12           | 23.15                | 24.67      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#24           | 23.16                | 24.68      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#0           | 22.12                | 23.64      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#6           | 22.11                | 23.63      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#13          | 22.16                | 23.68      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 22.14                | 23.66      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#24           | 23.13                | 24.65      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#12           | 23.19                | 24.71      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | 23.21                | 24.73      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#13          | 22.05                | 23.57      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#0           | 22.19                | 23.71      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#6           | 22.10                | 23.62      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 22.13                | 23.65      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#12           | 23.22                | 24.74      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | 23.18                | 24.7       | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#24           | 23.24                | 24.76      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#0           | 22.24                | 23.76      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#6           | 22.20                | 23.72      | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#13          | 22.18                | 23.7       | 33.00       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 22.23                | 23.75      | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#24           | 21.18                | 22.7       | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#12           | 21.23                | 22.75      | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 1RB#0            | 21.32                | 22.84      | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 12RB#13          | 20.09                | 21.61      | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 12RB#0           | 20.12                | 21.64      | 33.00       | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 12RB#6           | 20.07                | 21.59      | 33.00       | PASS    |



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|       |      |        |       |         |       |       |       |      |
|-------|------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 5MHz | 64QAM  | 20775 | 25RB#0  | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 1RB#24  | 21.22 | 22.74 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 1RB#12  | 21.26 | 22.78 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 1RB#0   | 21.30 | 22.82 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 12RB#13 | 20.02 | 21.54 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 12RB#6  | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 12RB#0  | 20.11 | 21.63 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21100 | 25RB#0  | 20.09 | 21.61 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 1RB#12  | 21.34 | 22.86 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 1RB#24  | 21.39 | 22.91 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 1RB#0   | 21.26 | 22.78 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 12RB#0  | 20.15 | 21.67 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 12RB#13 | 20.19 | 21.71 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 12RB#6  | 20.19 | 21.71 | 33.00 | PASS |
| Band7 | 5MHz | 64QAM  | 21425 | 25RB#0  | 20.19 | 21.71 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 1RB#0   | 18.39 | 19.91 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 1RB#12  | 18.36 | 19.88 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 1RB#24  | 18.36 | 19.88 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 12RB#13 | 18.16 | 19.68 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 12RB#0  | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 12RB#6  | 18.17 | 19.69 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 20775 | 25RB#0  | 18.22 | 19.74 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 1RB#0   | 18.40 | 19.92 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 1RB#12  | 18.31 | 19.83 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 1RB#24  | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 12RB#0  | 18.20 | 19.72 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 12RB#6  | 18.17 | 19.69 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 12RB#13 | 18.05 | 19.57 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21100 | 25RB#0  | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21425 | 1RB#24  | 18.51 | 20.03 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21425 | 1RB#0   | 18.44 | 19.96 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21425 | 1RB#12  | 18.45 | 19.97 | 33.00 | PASS |
| Band7 | 5MHz | 256QAM | 21425 | 12RB#6  | 18.27 | 19.79 | 33.00 | PASS |



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|       |       |        |       |         |       |       |       |      |
|-------|-------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 5MHz  | 256QAM | 21425 | 12RB#13 | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 5MHz  | 256QAM | 21425 | 12RB#0  | 18.26 | 19.78 | 33.00 | PASS |
| Band7 | 5MHz  | 256QAM | 21425 | 25RB#0  | 18.30 | 19.82 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 1RB#12  | 22.28 | 23.8  | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 1RB#0   | 22.37 | 23.89 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 1RB#24  | 22.25 | 23.77 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 12RB#6  | 21.12 | 22.64 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 12RB#0  | 21.13 | 22.65 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 12RB#13 | 21.13 | 22.65 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 20775 | 25RB#0  | 21.10 | 22.62 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 1RB#12  | 22.33 | 23.85 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 1RB#24  | 22.39 | 23.91 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 1RB#0   | 22.40 | 23.92 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 12RB#0  | 21.12 | 22.64 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 12RB#13 | 21.05 | 22.57 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 12RB#6  | 21.15 | 22.67 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21100 | 25RB#0  | 21.11 | 22.63 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 1RB#24  | 22.40 | 23.92 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 1RB#12  | 22.42 | 23.94 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 1RB#0   | 22.35 | 23.87 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 12RB#6  | 21.21 | 22.73 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 12RB#0  | 21.21 | 22.73 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 12RB#13 | 21.19 | 22.71 | 33.00 | PASS |
| Band7 | 5MHz  | 16QAM  | 21425 | 25RB#0  | 21.20 | 22.72 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 1RB#49  | 23.13 | 24.65 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 1RB#0   | 23.13 | 24.65 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 1RB#24  | 23.19 | 24.71 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 25RB#0  | 22.11 | 23.63 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 25RB#12 | 22.10 | 23.62 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 25RB#25 | 22.09 | 23.61 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 20800 | 50RB#0  | 22.10 | 23.62 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 21100 | 1RB#49  | 23.11 | 24.63 | 33.00 | PASS |
| Band7 | 10MHz | QPSK   | 21100 | 1RB#0   | 23.11 | 24.63 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24  | 23.18 | 24.7  | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#12 | 22.13 | 23.65 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#0  | 22.13 | 23.65 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#25 | 22.07 | 23.59 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0  | 22.15 | 23.67 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0   | 23.21 | 24.73 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24  | 23.26 | 24.78 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49  | 23.24 | 24.76 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#0  | 22.23 | 23.75 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#12 | 22.20 | 23.72 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#25 | 22.20 | 23.72 | 33.00 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0  | 22.19 | 23.71 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#24  | 21.31 | 22.83 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#49  | 21.17 | 22.69 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#0   | 21.29 | 22.81 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#0  | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#12 | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#25 | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 50RB#0  | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#49  | 21.18 | 22.7  | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#0   | 21.20 | 22.72 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#24  | 21.29 | 22.81 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#25 | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#12 | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#0  | 20.14 | 21.66 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 50RB#0  | 20.09 | 21.61 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#24  | 21.42 | 22.94 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#49  | 21.35 | 22.87 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#0   | 21.33 | 22.85 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#25 | 20.14 | 21.66 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#12 | 20.20 | 21.72 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#0  | 20.19 | 21.71 | 33.00 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 50RB#0  | 20.19 | 21.71 | 33.00 | PASS |



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|       |       |        |       |         |       |       |       |      |
|-------|-------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | 256QAM | 20800 | 1RB#0   | 18.40 | 19.92 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 1RB#24  | 18.37 | 19.89 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 1RB#49  | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 25RB#0  | 18.20 | 19.72 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 25RB#12 | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 25RB#25 | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 20800 | 50RB#0  | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 1RB#0   | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 1RB#49  | 18.25 | 19.77 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 1RB#24  | 18.41 | 19.93 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 25RB#25 | 18.16 | 19.68 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 25RB#0  | 18.26 | 19.78 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 25RB#12 | 18.19 | 19.71 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21100 | 50RB#0  | 18.20 | 19.72 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 1RB#49  | 18.43 | 19.95 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 1RB#0   | 18.44 | 19.96 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 1RB#24  | 18.40 | 19.92 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 25RB#0  | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 25RB#25 | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 25RB#12 | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 10MHz | 256QAM | 21400 | 50RB#0  | 18.32 | 19.84 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 1RB#0   | 22.24 | 23.76 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 1RB#49  | 22.30 | 23.82 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 1RB#24  | 22.38 | 23.9  | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 25RB#25 | 21.09 | 22.61 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 25RB#12 | 21.08 | 22.6  | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 25RB#0  | 21.08 | 22.6  | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 20800 | 50RB#0  | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 21100 | 1RB#0   | 22.33 | 23.85 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 21100 | 1RB#24  | 22.31 | 23.83 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 21100 | 1RB#49  | 22.24 | 23.76 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 21100 | 25RB#25 | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM  | 21100 | 25RB#0  | 21.10 | 22.62 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0  | 21.10 | 22.62 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0   | 22.31 | 23.83 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24  | 22.37 | 23.89 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49  | 22.39 | 23.91 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0  | 21.22 | 22.74 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 21.19 | 22.71 | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#25 | 21.18 | 22.7  | 33.00 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | 21.21 | 22.73 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#38  | 23.15 | 24.67 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0   | 23.10 | 24.62 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74  | 23.02 | 24.54 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#18 | 22.10 | 23.62 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#39 | 22.06 | 23.58 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 36RB#0  | 22.09 | 23.61 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | 22.08 | 23.6  | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0   | 23.13 | 24.65 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#38  | 23.17 | 24.69 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74  | 23.03 | 24.55 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#0  | 22.12 | 23.64 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#18 | 22.12 | 23.64 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 36RB#39 | 21.99 | 23.51 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | 22.15 | 23.67 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0   | 23.10 | 24.62 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74  | 23.14 | 24.66 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#38  | 23.21 | 24.73 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#39 | 22.14 | 23.66 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#18 | 22.14 | 23.66 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 36RB#0  | 22.11 | 23.63 | 33.00 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | 22.20 | 23.72 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#38  | 21.26 | 22.78 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#74  | 21.15 | 22.67 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#0   | 21.22 | 22.74 | 33.00 | PASS |



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|       |       |        |       |         |       |       |       |      |
|-------|-------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 15MHz | 64QAM  | 20825 | 36RB#0  | 20.09 | 21.61 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 20825 | 36RB#18 | 20.02 | 21.54 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 20825 | 36RB#39 | 20.05 | 21.57 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 20825 | 75RB#0  | 20.03 | 21.55 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 1RB#0   | 21.30 | 22.82 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 1RB#38  | 21.28 | 22.8  | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 1RB#74  | 21.19 | 22.71 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 36RB#0  | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 36RB#39 | 19.98 | 21.5  | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 36RB#18 | 20.08 | 21.6  | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21100 | 75RB#0  | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 1RB#38  | 21.43 | 22.95 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 1RB#74  | 21.33 | 22.85 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 1RB#0   | 21.20 | 22.72 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 36RB#0  | 20.09 | 21.61 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 36RB#18 | 20.12 | 21.64 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 36RB#39 | 20.07 | 21.59 | 33.00 | PASS |
| Band7 | 15MHz | 64QAM  | 21375 | 75RB#0  | 20.15 | 21.67 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 1RB#74  | 18.27 | 19.79 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 1RB#38  | 18.40 | 19.92 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 1RB#0   | 18.33 | 19.85 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 36RB#0  | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 36RB#39 | 18.14 | 19.66 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 36RB#18 | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 20825 | 75RB#0  | 18.16 | 19.68 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 1RB#74  | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 1RB#38  | 18.37 | 19.89 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 1RB#0   | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 36RB#18 | 18.14 | 19.66 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 36RB#0  | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 36RB#39 | 18.16 | 19.68 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21100 | 75RB#0  | 18.18 | 19.7  | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 1RB#38  | 18.41 | 19.93 | 33.00 | PASS |



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|       |       |        |       |         |       |       |       |      |
|-------|-------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 15MHz | 256QAM | 21375 | 1RB#0   | 18.32 | 19.84 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 1RB#74  | 18.45 | 19.97 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 36RB#39 | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 36RB#18 | 18.27 | 19.79 | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 36RB#0  | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 75RB#0  | 18.24 | 19.76 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 1RB#0   | 22.26 | 23.78 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 1RB#74  | 22.27 | 23.79 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 1RB#38  | 22.41 | 23.93 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 36RB#0  | 21.05 | 22.57 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 36RB#18 | 21.08 | 22.6  | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 36RB#39 | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 75RB#0  | 21.08 | 22.6  | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 1RB#38  | 22.43 | 23.95 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 1RB#0   | 22.33 | 23.85 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 1RB#74  | 22.19 | 23.71 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 36RB#39 | 21.01 | 22.53 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 36RB#0  | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 36RB#18 | 21.10 | 22.62 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 75RB#0  | 21.09 | 22.61 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 1RB#0   | 22.30 | 23.82 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 1RB#38  | 22.39 | 23.91 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 1RB#74  | 22.34 | 23.86 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 36RB#0  | 21.10 | 22.62 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 36RB#18 | 21.12 | 22.64 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 36RB#39 | 21.16 | 22.68 | 33.00 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 75RB#0  | 21.15 | 22.67 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 1RB#0   | 23.09 | 24.61 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 1RB#49  | 23.15 | 24.67 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 1RB#99  | 23.01 | 24.53 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 50RB#0  | 22.09 | 23.61 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 50RB#25 | 22.13 | 23.65 | 33.00 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 50RB#50 | 22.07 | 23.59 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 22.06 | 23.58 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 23.18 | 24.7  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 22.97 | 24.49 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 23.05 | 24.57 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#0  | 22.20 | 23.72 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#25 | 22.14 | 23.66 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#50 | 22.10 | 23.62 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 22.13 | 23.65 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | 23.08 | 24.6  | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 23.23 | 24.75 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 23.11 | 24.63 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#0  | 22.20 | 23.72 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#25 | 22.19 | 23.71 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#50 | 22.12 | 23.64 | 33.00 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 22.18 | 23.7  | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#99  | 21.17 | 22.69 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#49  | 21.26 | 22.78 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#0   | 21.22 | 22.74 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#50 | 20.05 | 21.57 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#25 | 20.11 | 21.63 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#0  | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 20.05 | 21.57 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#99  | 21.09 | 22.61 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#49  | 21.29 | 22.81 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#0   | 21.17 | 22.69 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#50 | 20.04 | 21.56 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#0  | 20.17 | 21.69 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#25 | 20.10 | 21.62 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | 20.06 | 21.58 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#49  | 21.34 | 22.86 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#99  | 21.30 | 22.82 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#0   | 21.20 | 22.72 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 50RB#25 | 20.18 | 21.7  | 33.00 | PASS |



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|       |       |        |       |         |       |       |       |      |
|-------|-------|--------|-------|---------|-------|-------|-------|------|
| Band7 | 20MHz | 64QAM  | 21350 | 50RB#0  | 20.21 | 21.73 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM  | 21350 | 50RB#50 | 20.04 | 21.56 | 33.00 | PASS |
| Band7 | 20MHz | 64QAM  | 21350 | 100RB#0 | 20.06 | 21.58 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 1RB#0   | 18.34 | 19.86 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 1RB#99  | 18.27 | 19.79 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 1RB#49  | 18.45 | 19.97 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 50RB#50 | 18.20 | 19.72 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 50RB#25 | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 50RB#0  | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 100RB#0 | 18.19 | 19.71 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 1RB#0   | 18.31 | 19.83 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 1RB#49  | 18.32 | 19.84 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 1RB#99  | 18.27 | 19.79 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 50RB#0  | 18.29 | 19.81 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 50RB#25 | 18.22 | 19.74 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 50RB#50 | 18.13 | 19.65 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 100RB#0 | 18.19 | 19.71 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 1RB#49  | 18.39 | 19.91 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 1RB#99  | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 1RB#0   | 18.26 | 19.78 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 50RB#0  | 18.28 | 19.8  | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 50RB#50 | 18.21 | 19.73 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 50RB#25 | 18.33 | 19.85 | 33.00 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 100RB#0 | 18.27 | 19.79 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 1RB#49  | 22.36 | 23.88 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 1RB#99  | 22.19 | 23.71 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 1RB#0   | 22.24 | 23.76 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 50RB#25 | 21.06 | 22.58 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 50RB#50 | 21.04 | 22.56 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 50RB#0  | 21.10 | 22.62 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 100RB#0 | 21.06 | 22.58 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 21100 | 1RB#0   | 22.29 | 23.81 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM  | 21100 | 1RB#49  | 22.37 | 23.89 | 33.00 | PASS |



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|       |       |       |       |         |       |       |       |      |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99  | 22.23 | 23.75 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#50 | 21.01 | 22.53 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#0  | 21.12 | 22.64 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#25 | 21.07 | 22.59 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 21.11 | 22.63 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 22.32 | 23.84 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49  | 22.52 | 24.04 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | 22.29 | 23.81 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#25 | 21.16 | 22.68 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#0  | 21.19 | 22.71 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#50 | 21.06 | 22.58 | 33.00 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 21.13 | 22.65 | 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]

The conducted Power is measured by Base Station Simulator



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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 |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 5.30       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 5.42       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 5.22       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 20850   | 100RB#0          | 6.58       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 21100   | 100RB#0          | 6.72       | 13        | PASS    |
| Band7 | 20MHz     | 64QAM      | 21350   | 100RB#0          | 6.58       | 13        | PASS    |
| Band7 | 20MHz     | 256QAM     | 20850   | 100RB#0          | 6.75       | 13        | PASS    |
| Band7 | 20MHz     | 256QAM     | 21100   | 100RB#0          | 6.78       | 13        | PASS    |
| Band7 | 20MHz     | 256QAM     | 21350   | 100RB#0          | 6.90       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 6.55       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 6.64       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 6.52       | 13        | PASS    |



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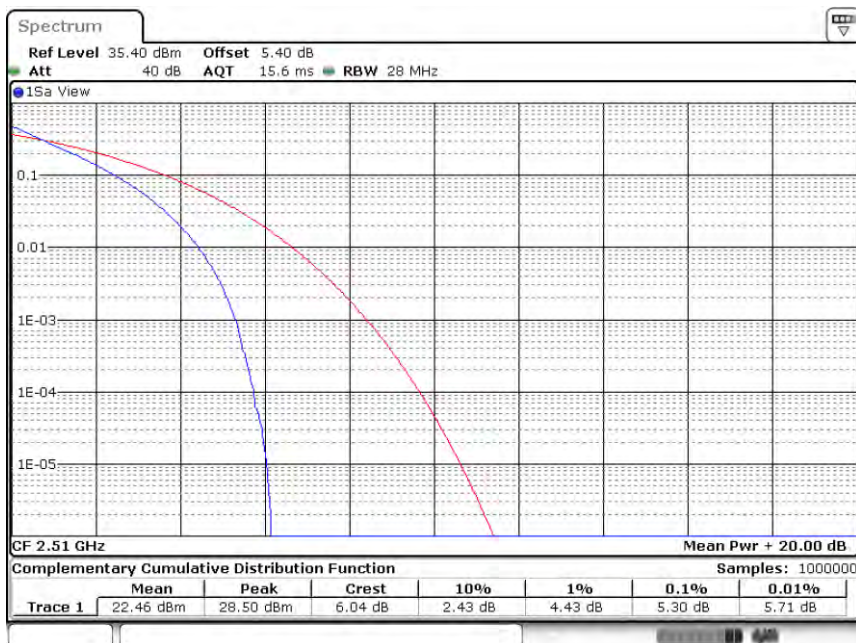
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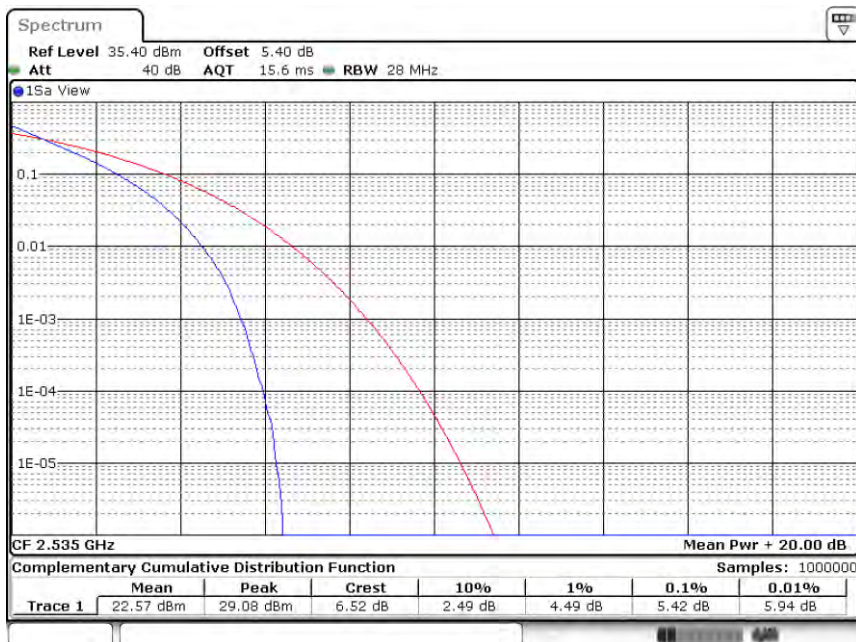
## 2.2. Test Plots

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



Date: 5.MAY.2021 04:46:32

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



Date: 5.MAY.2021 04:46:55

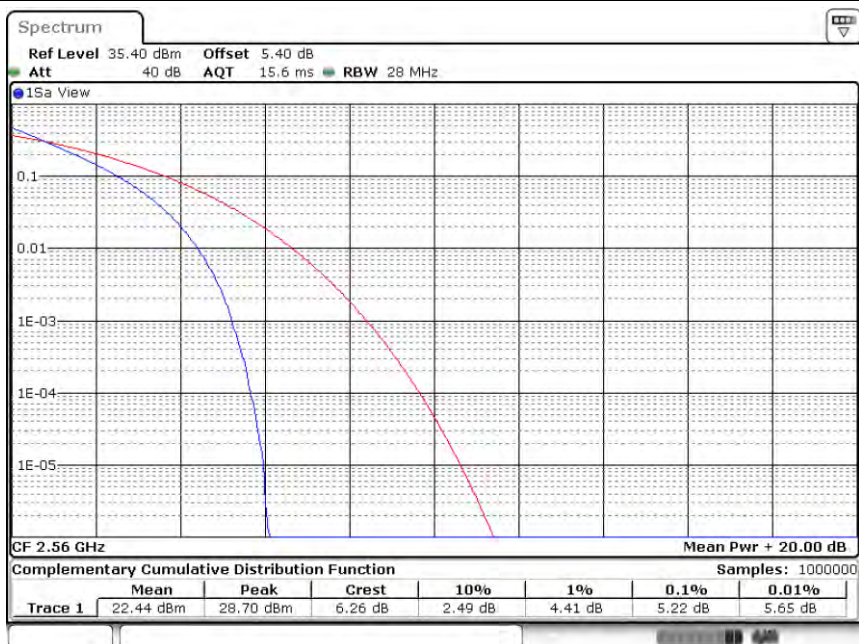


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Band7-20MHz-QPSK-21350-100RB#0



Date: 5.MAY.2021 04:47:18

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



Date: 16.MAY.2021 10:54:48







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



Date: 16.MAY.2021 10:55:00

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



Date: 16.MAY.2021 10:55:11

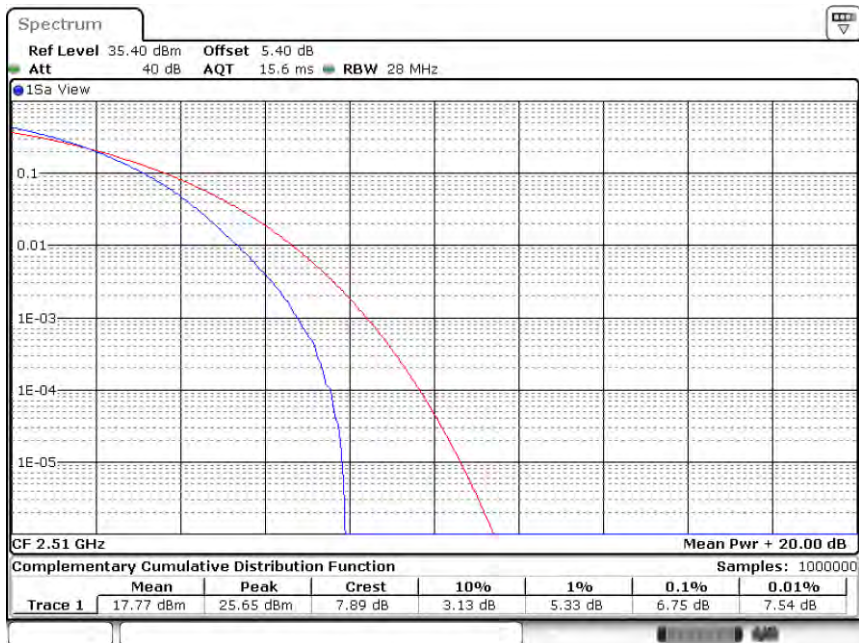


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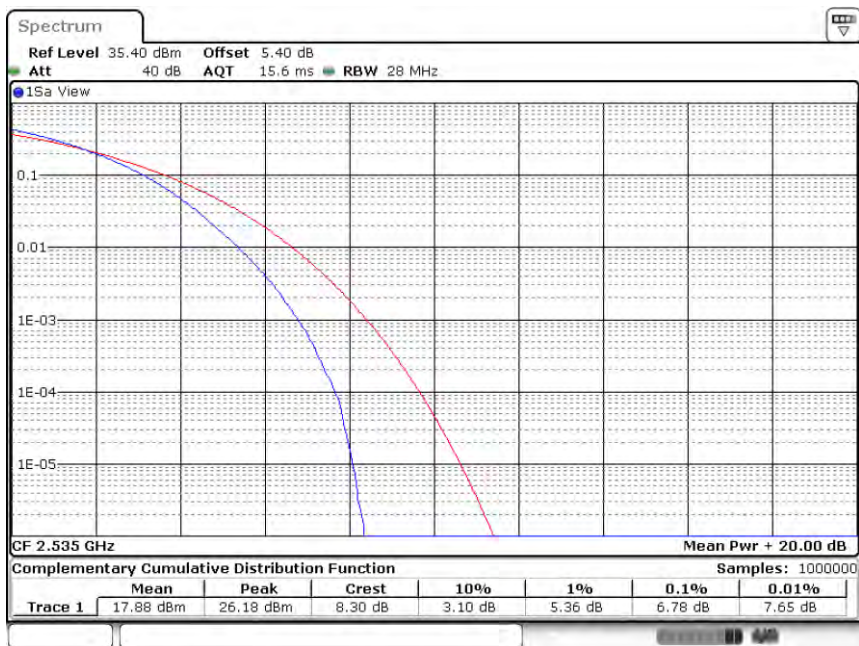


Band7-20MHz-256QAM-20850-100RB#0



Date: 7.MAY.2021 03:18:09

Band7-20MHz-256QAM-21100-100RB#0



Date: 7.MAY.2021 03:18:21



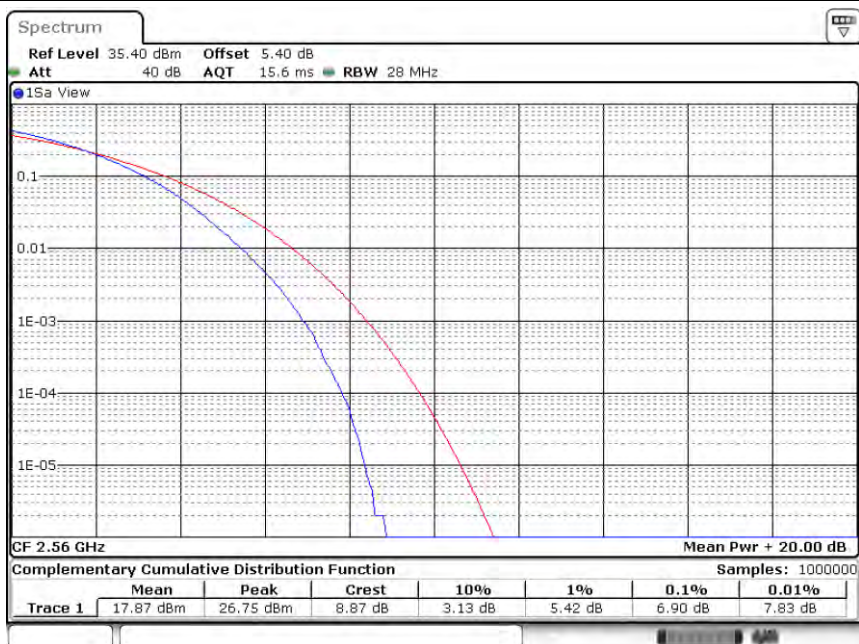
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Band7-20MHz-256QAM-21350-100RB#0



Date: 7.MAY.2021 03:18:32

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



Date: 5.MAY.2021 04:46:43

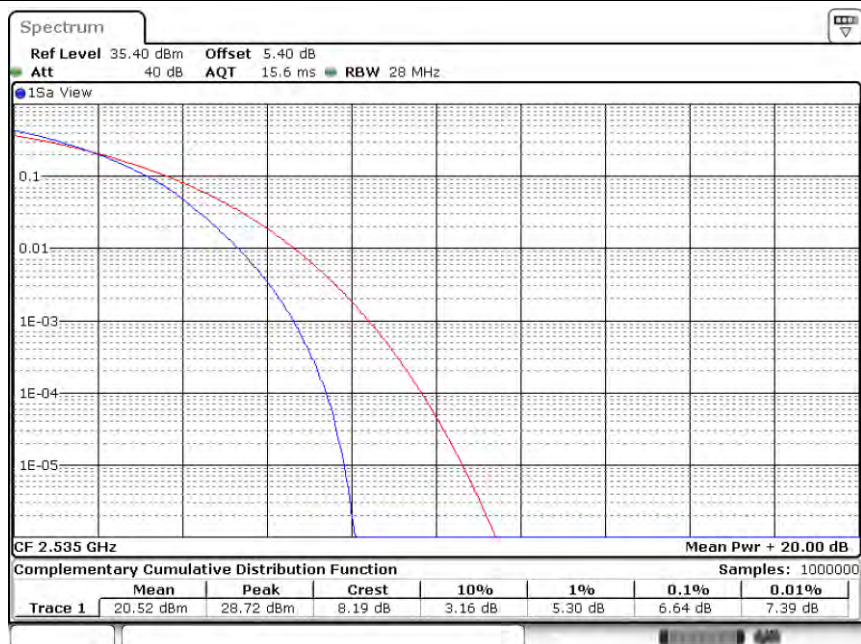


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Band7-20MHz-16QAM-21100-100RB#0



Date: 5.MAY.2021 04:47:06

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



Date: 5.MAY.2021 04:47:32

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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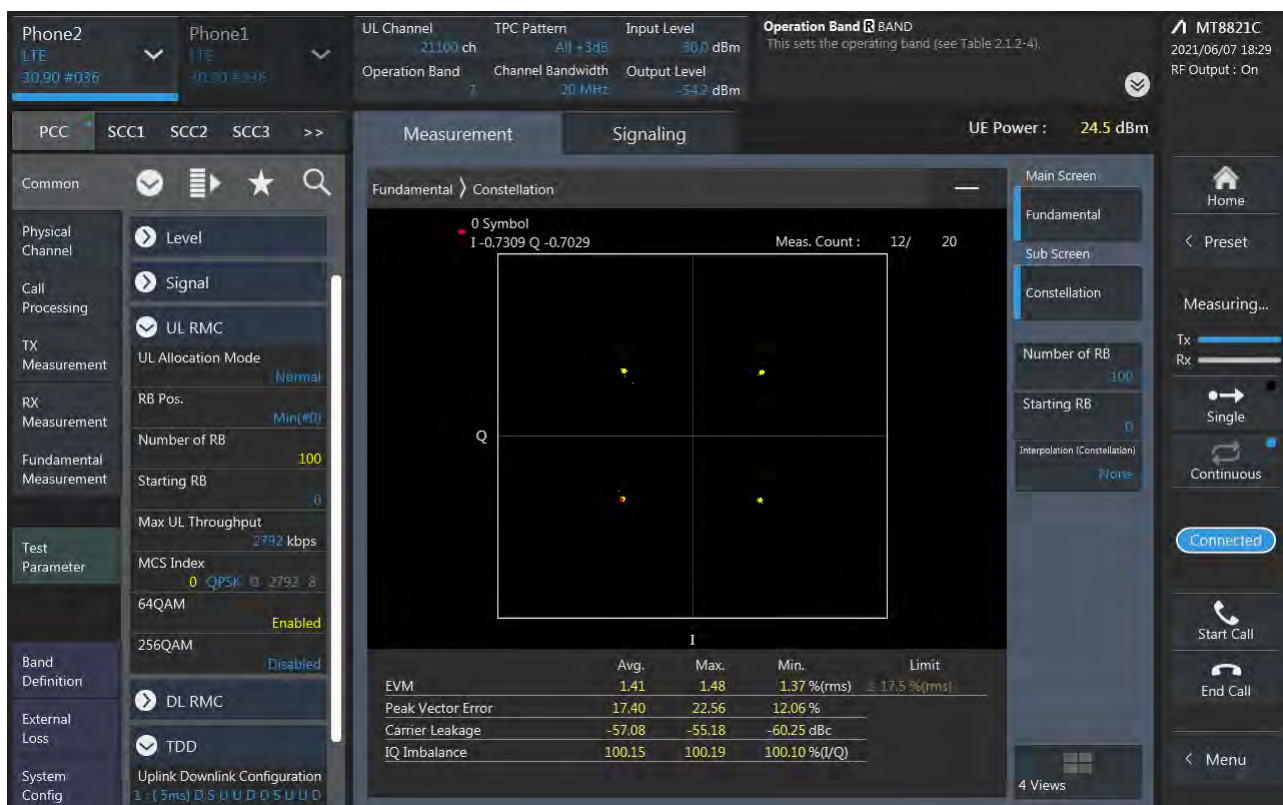


### 3. Modulation Characteristics

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

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

##### 3.1.1.1. Test Channel = MCH



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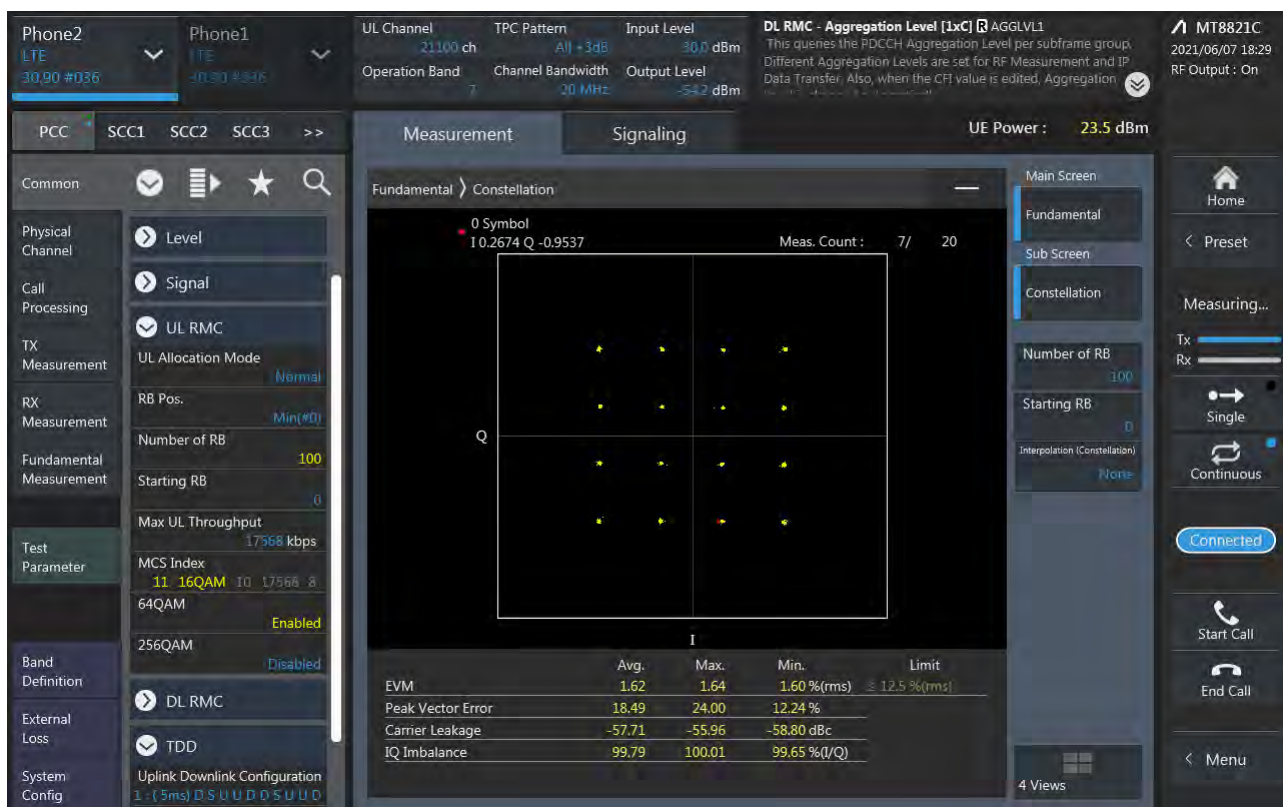
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### 3.1.2. Test Mode = LTE /TM2 20MHz

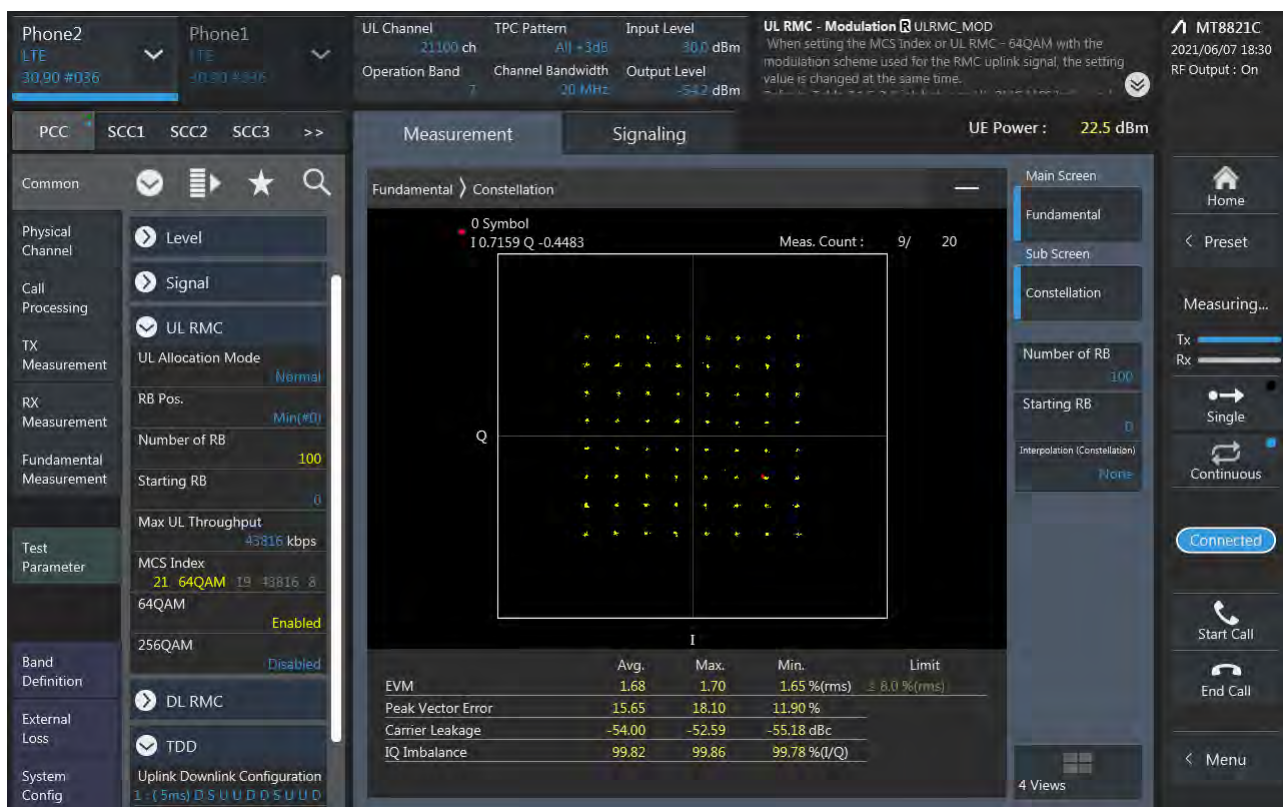
#### 3.1.2.1. Test Channel = MCH





### 3.1.3. Test Mode = LTE /TM3 20MHz

#### 3.1.3.1. Test Channel = MCH

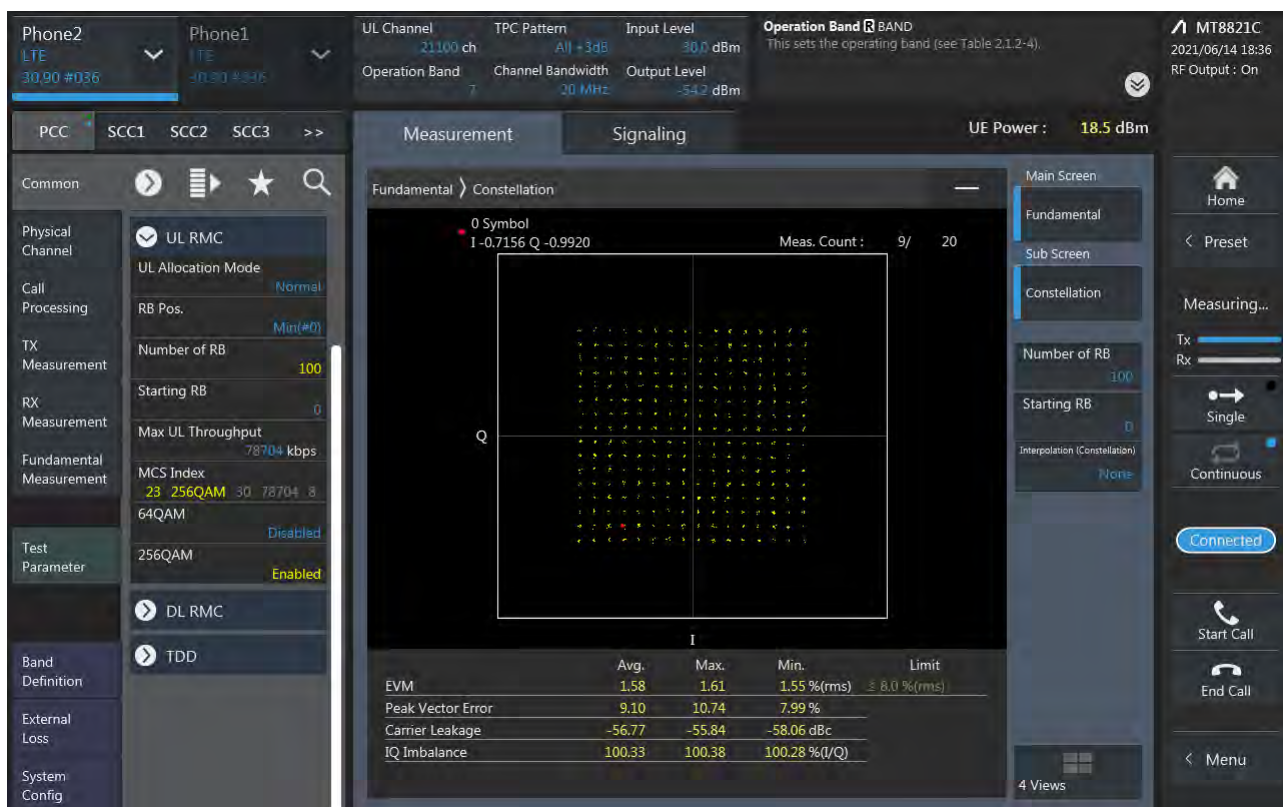






### 3.1.4. Test Mode = LTE /TM4 20MHz

#### 3.1.4.1. 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 |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.476                    | 4.870                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.476                    | 4.890                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 4.476                    | 4.880                | PASS    |
| Band7 | 5MHz      | 64QAM      | 20775   | 25RB#0           | 4.476                    | 4.870                | PASS    |
| Band7 | 5MHz      | 64QAM      | 21100   | 25RB#0           | 4.476                    | 4.880                | PASS    |
| Band7 | 5MHz      | 64QAM      | 21425   | 25RB#0           | 4.476                    | 4.860                | PASS    |
| Band7 | 5MHz      | 256QAM     | 20775   | 25RB#0           | 4.476                    | 4.870                | PASS    |
| Band7 | 5MHz      | 256QAM     | 21100   | 25RB#0           | 4.476                    | 4.860                | PASS    |
| Band7 | 5MHz      | 256QAM     | 21425   | 25RB#0           | 4.476                    | 4.870                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 4.486                    | 4.910                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.476                    | 4.890                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 4.486                    | 4.890                | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 8.931                    | 9.660                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.931                    | 9.680                | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 8.931                    | 9.680                | PASS    |
| Band7 | 10MHz     | 64QAM      | 20800   | 50RB#0           | 8.931                    | 9.600                | PASS    |
| Band7 | 10MHz     | 64QAM      | 21100   | 50RB#0           | 8.931                    | 9.600                | PASS    |
| Band7 | 10MHz     | 64QAM      | 21400   | 50RB#0           | 8.931                    | 9.600                | PASS    |
| Band7 | 10MHz     | 256QAM     | 20800   | 50RB#0           | 8.951                    | 9.700                | PASS    |
| Band7 | 10MHz     | 256QAM     | 21100   | 50RB#0           | 8.951                    | 9.640                | PASS    |
| Band7 | 10MHz     | 256QAM     | 21400   | 50RB#0           | 8.931                    | 9.600                | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 8.931                    | 9.700                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.951                    | 9.680                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 8.911                    | 9.680                | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 13.457                   | 14.760               | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.487                   | 14.730               | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 13.457                   | 14.760               | PASS    |
| Band7 | 15MHz     | 64QAM      | 20825   | 75RB#0           | 13.457                   | 14.850               | PASS    |
| Band7 | 15MHz     | 64QAM      | 21100   | 75RB#0           | 13.457                   | 14.820               | PASS    |
| Band7 | 15MHz     | 64QAM      | 21375   | 75RB#0           | 13.427                   | 14.730               | PASS    |
| Band7 | 15MHz     | 256QAM     | 20825   | 75RB#0           | 13.457                   | 14.760               | PASS    |



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|       |       |        |       |         |        |        |      |
|-------|-------|--------|-------|---------|--------|--------|------|
| Band7 | 15MHz | 256QAM | 21100 | 75RB#0  | 13.487 | 15.180 | PASS |
| Band7 | 15MHz | 256QAM | 21375 | 75RB#0  | 13.457 | 14.790 | PASS |
| Band7 | 15MHz | 16QAM  | 20825 | 75RB#0  | 13.457 | 14.760 | PASS |
| Band7 | 15MHz | 16QAM  | 21100 | 75RB#0  | 13.457 | 14.760 | PASS |
| Band7 | 15MHz | 16QAM  | 21375 | 75RB#0  | 13.457 | 14.760 | PASS |
| Band7 | 20MHz | QPSK   | 20850 | 100RB#0 | 17.862 | 19.360 | PASS |
| Band7 | 20MHz | QPSK   | 21100 | 100RB#0 | 17.902 | 19.360 | PASS |
| Band7 | 20MHz | QPSK   | 21350 | 100RB#0 | 17.902 | 19.360 | PASS |
| Band7 | 20MHz | 64QAM  | 20850 | 100RB#0 | 17.902 | 19.400 | PASS |
| Band7 | 20MHz | 64QAM  | 21100 | 100RB#0 | 17.902 | 19.360 | PASS |
| Band7 | 20MHz | 64QAM  | 21350 | 100RB#0 | 17.902 | 19.360 | PASS |
| Band7 | 20MHz | 256QAM | 20850 | 100RB#0 | 17.862 | 19.240 | PASS |
| Band7 | 20MHz | 256QAM | 21100 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band7 | 20MHz | 256QAM | 21350 | 100RB#0 | 17.862 | 19.240 | PASS |
| Band7 | 20MHz | 16QAM  | 20850 | 100RB#0 | 17.902 | 19.240 | PASS |
| Band7 | 20MHz | 16QAM  | 21100 | 100RB#0 | 17.902 | 19.400 | PASS |
| Band7 | 20MHz | 16QAM  | 21350 | 100RB#0 | 17.862 | 19.400 | PASS |



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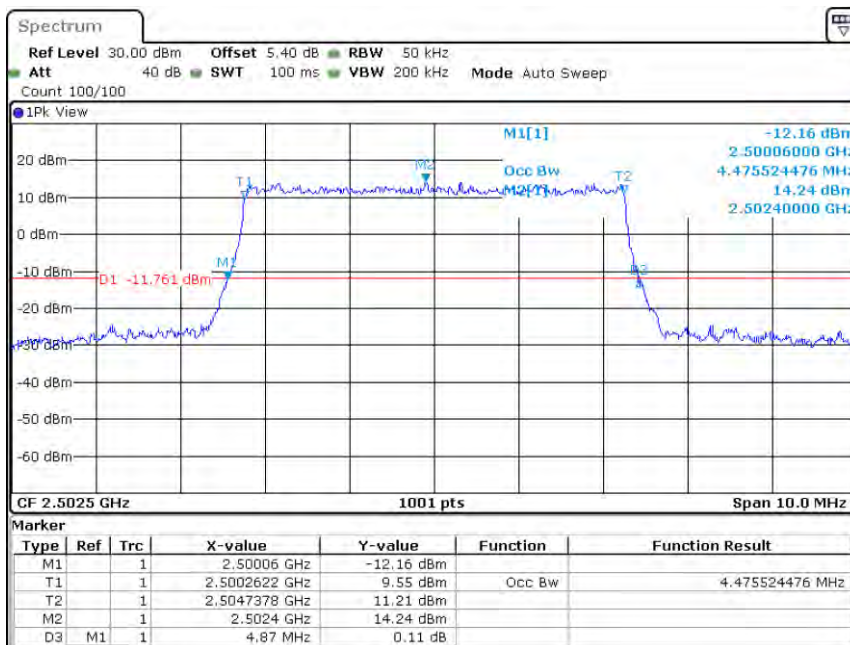
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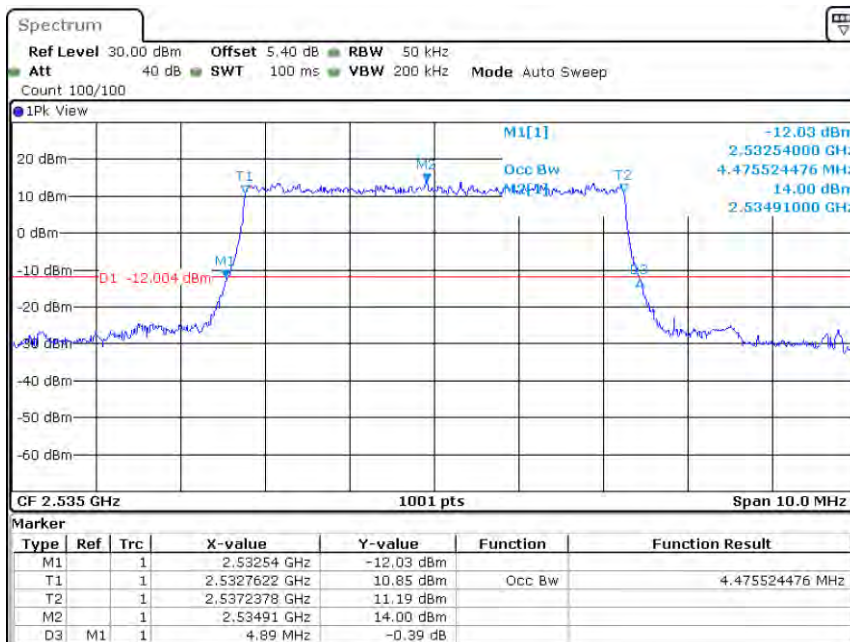
## 4.2. Test Plots

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



Date: 16.MAY.2021 08:59:41

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



Date: 16.MAY.2021 09:00:20



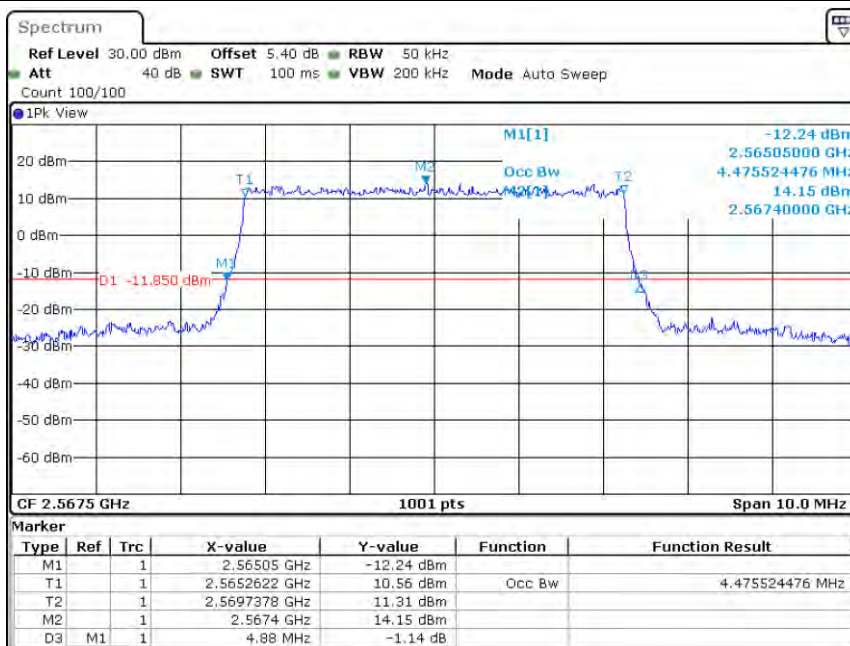
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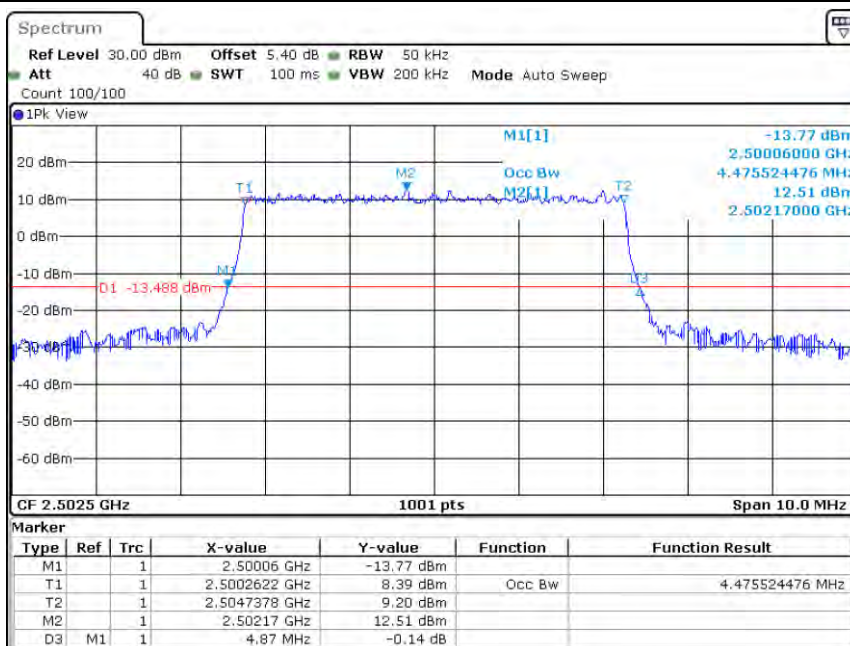


Band7-5MHz-QPSK-21425-25RB#0-4.476



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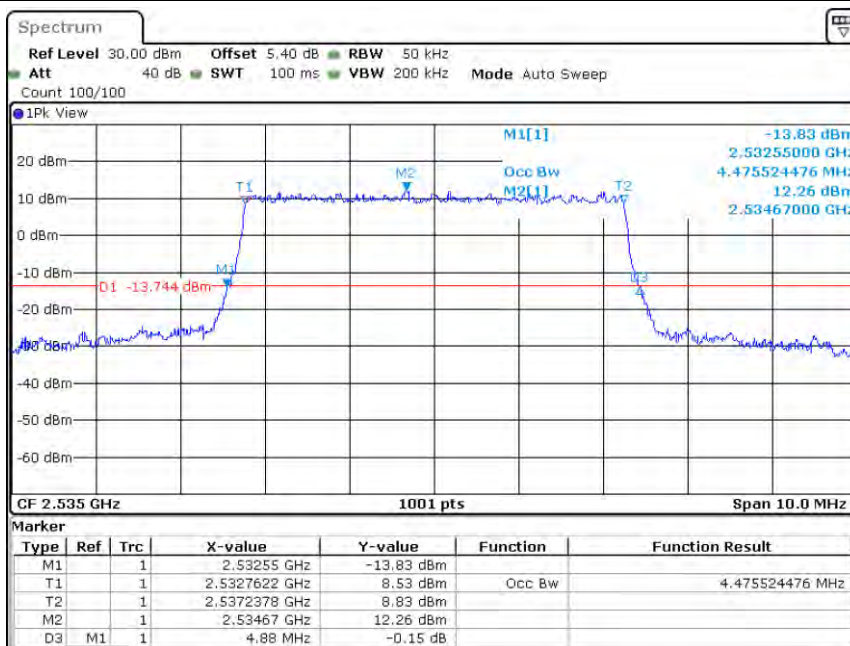


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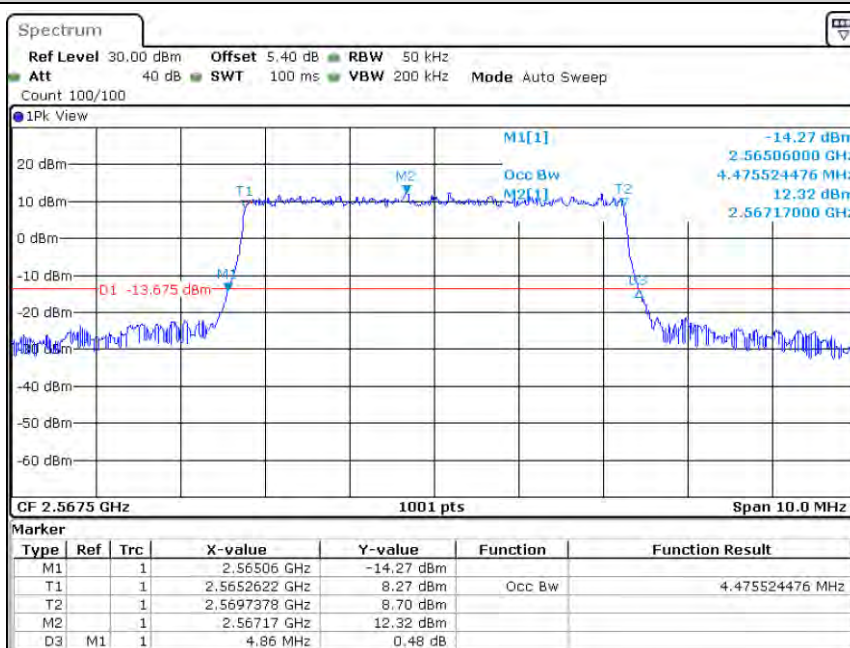


Band7-5MHz-64QAM-21100-25RB#0-4.476



Date: 16.MAY.2021 10:42:10

Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 16.MAY.2021 10:42:30



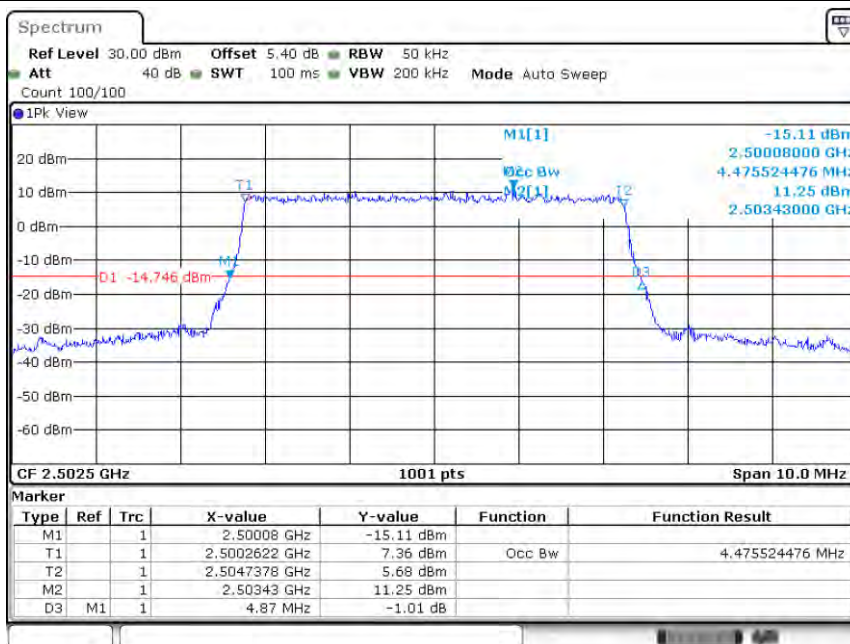
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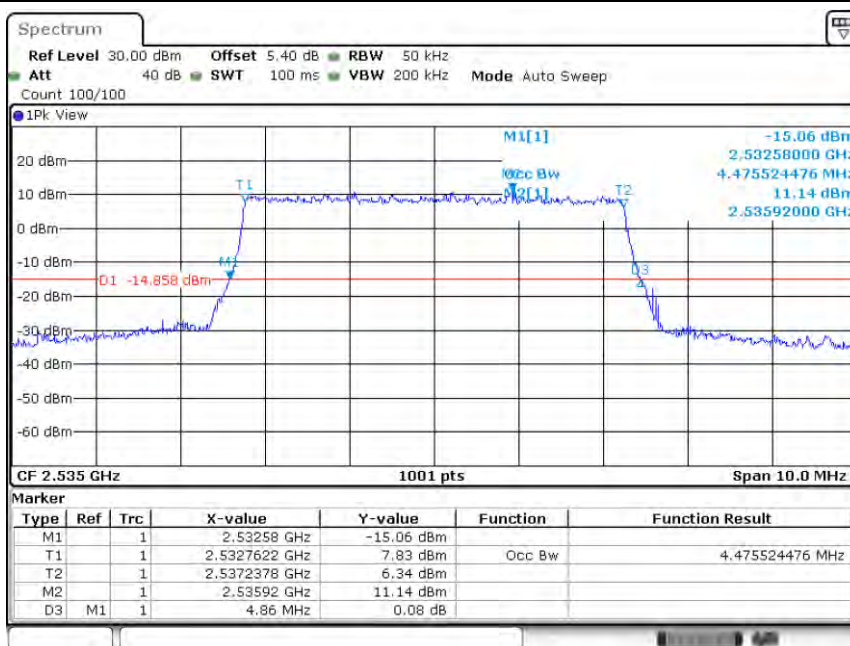


Band7-5MHz-256QAM-20775-25RB#0-4.476



Date: 5.MAY.2021 02:45:21

Band7-5MHz-256QAM-21100-25RB#0-4.476



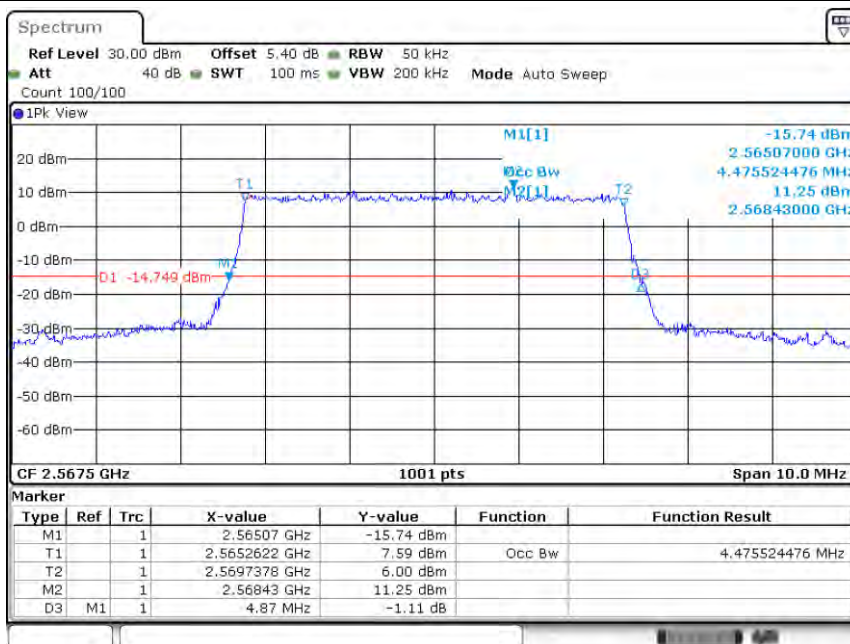
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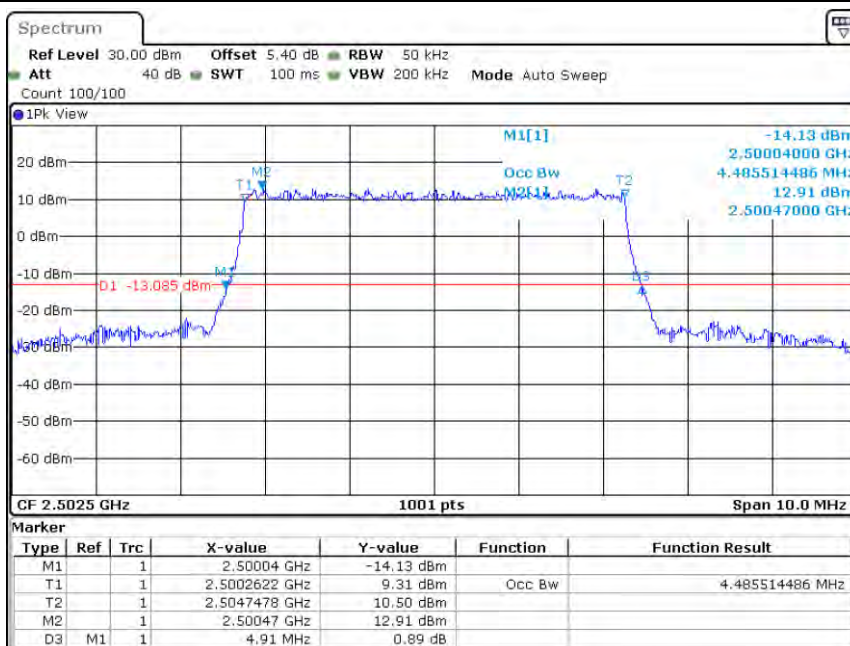


Band7-5MHz-256QAM-21425-25RB#0-4.476



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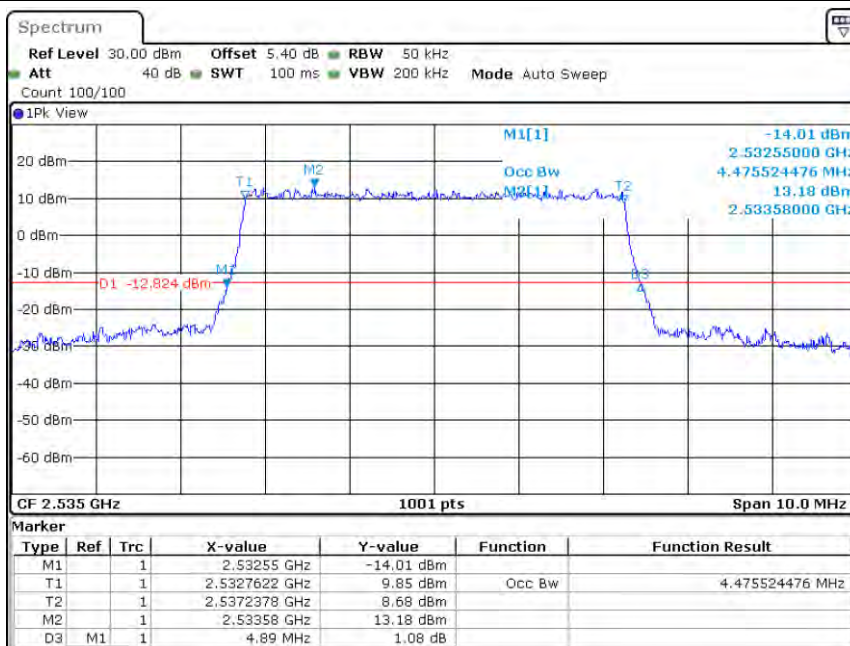


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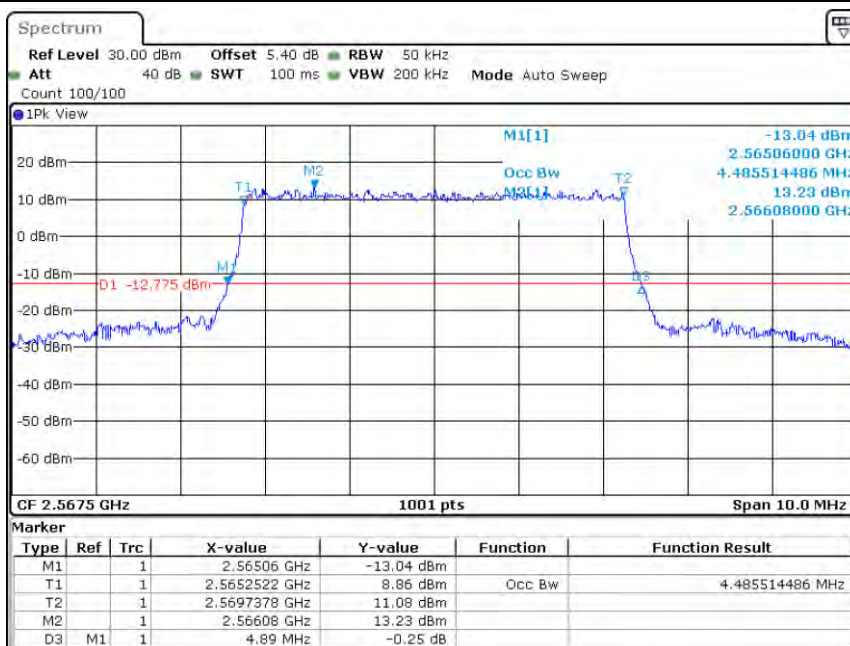


Band7-5MHz-16QAM-21100-25RB#0-4.476



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



Date: 16.MAY.2021 09:01:19



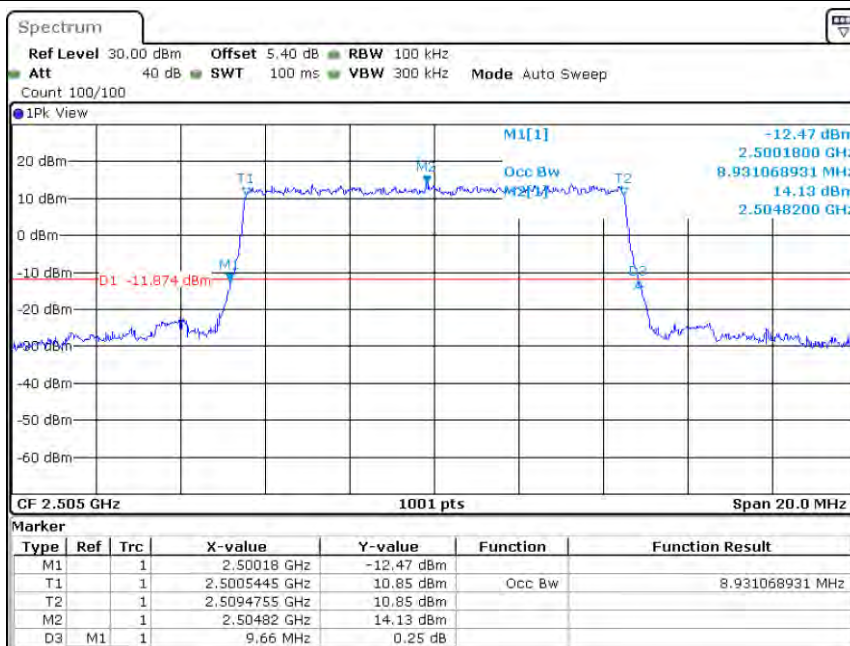
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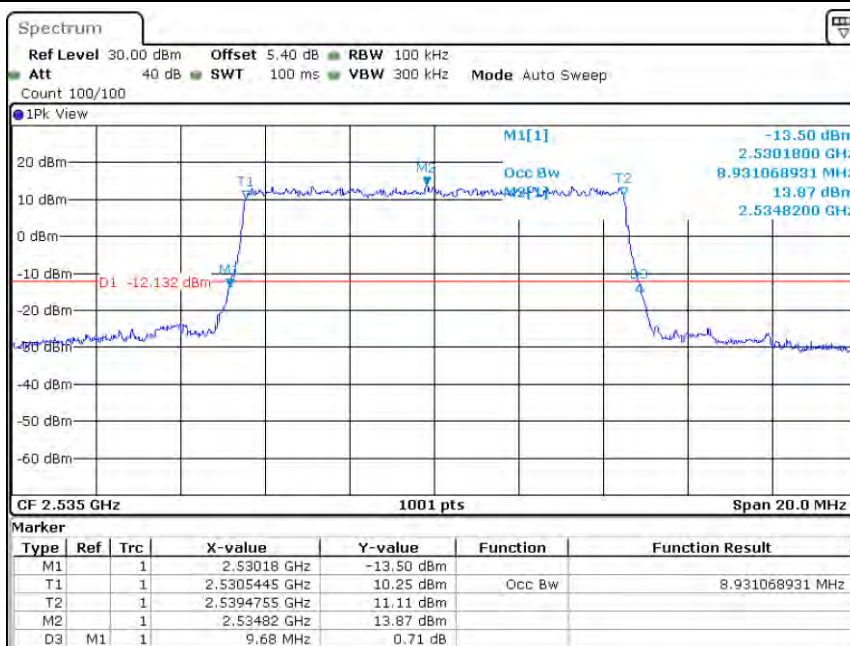


Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 16.MAY.2021 09:01:44

Band7-10MHz-QPSK-21100-50RB#0-8.931



Date: 16.MAY.2021 09:02:24



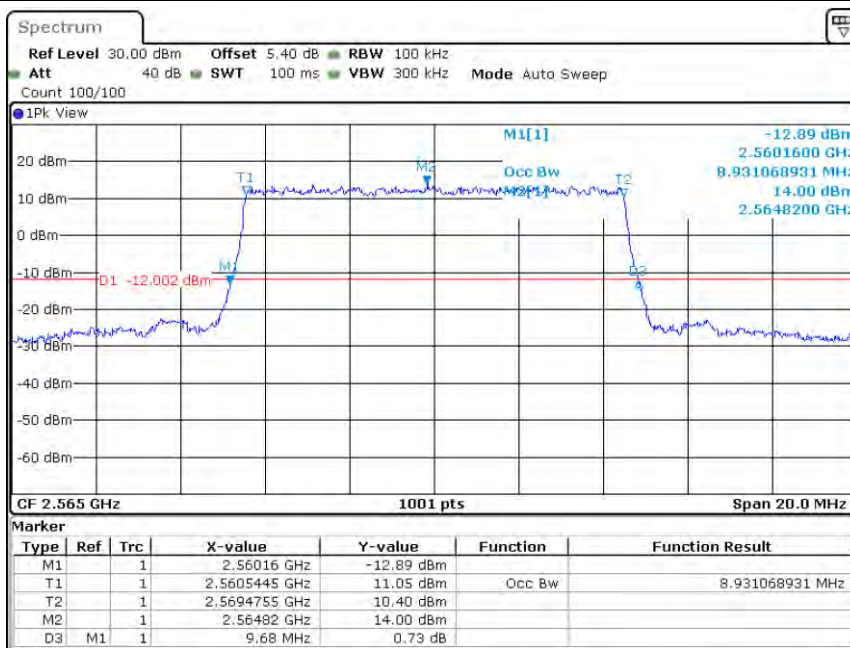
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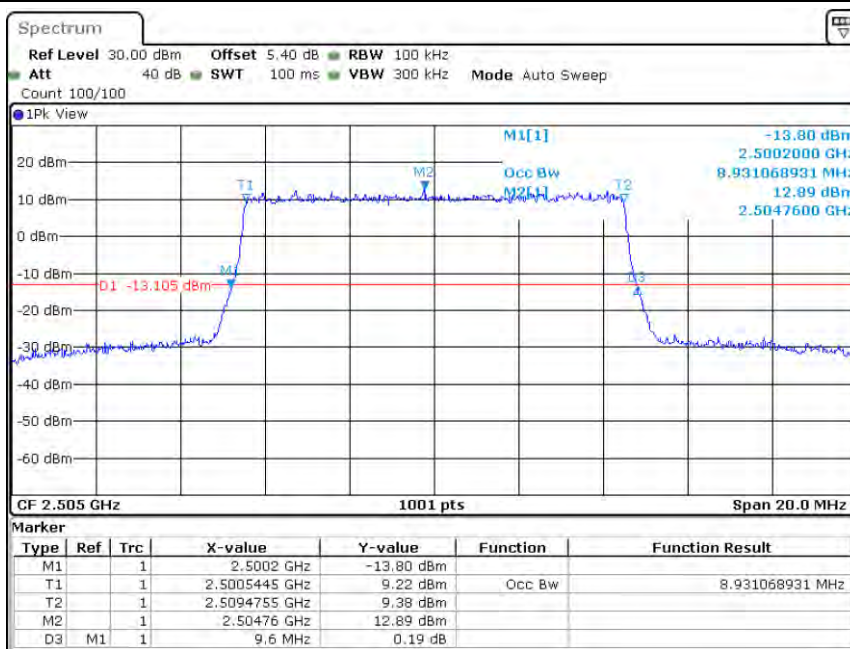


Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 16.MAY.2021 09:03:03

Band7-10MHz-64QAM-20800-50RB#0-8.931



Date: 16.MAY.2021 10:42:56

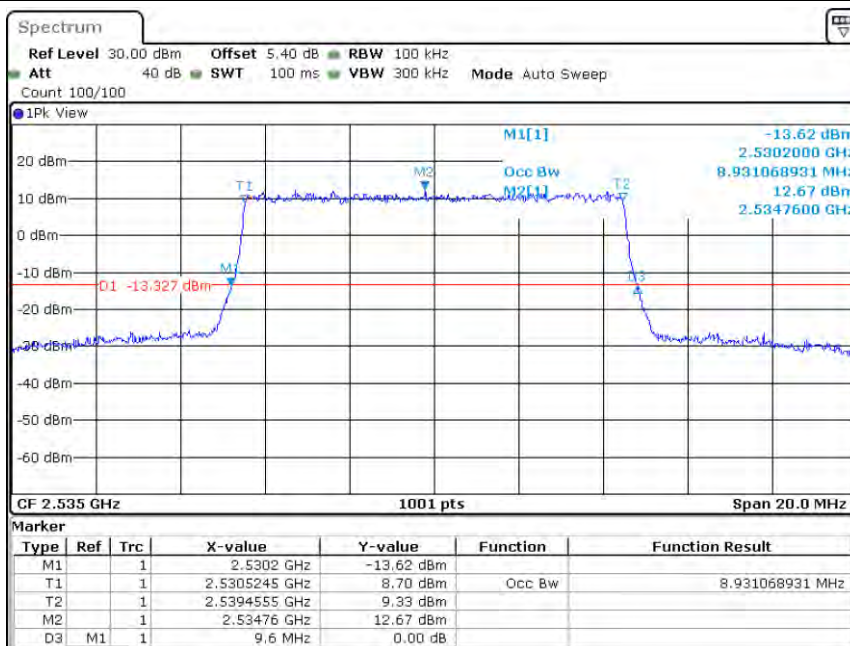


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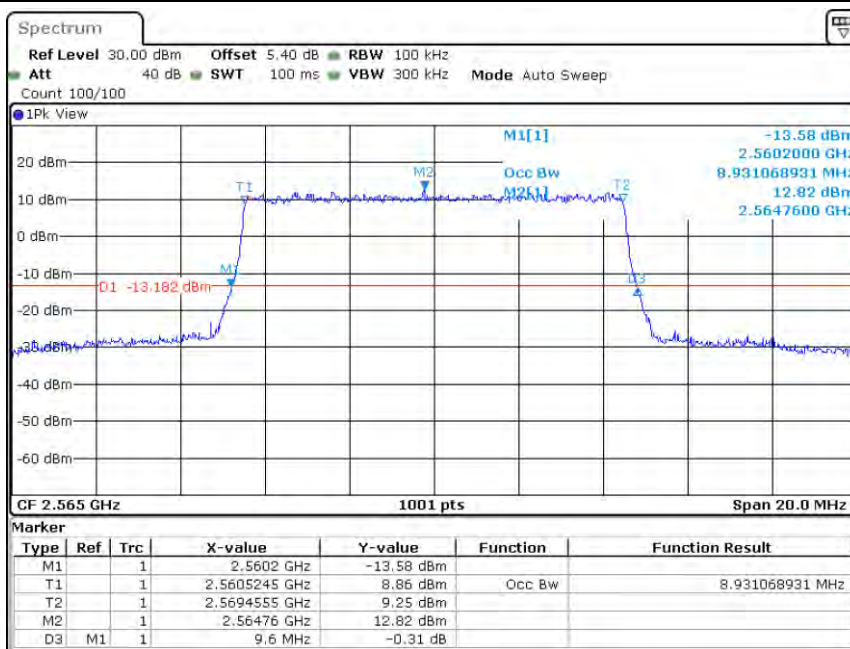


Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 16.MAY.2021 10:43:16

Band7-10MHz-64QAM-21400-50RB#0-8.931



Date: 16.MAY.2021 10:43:36

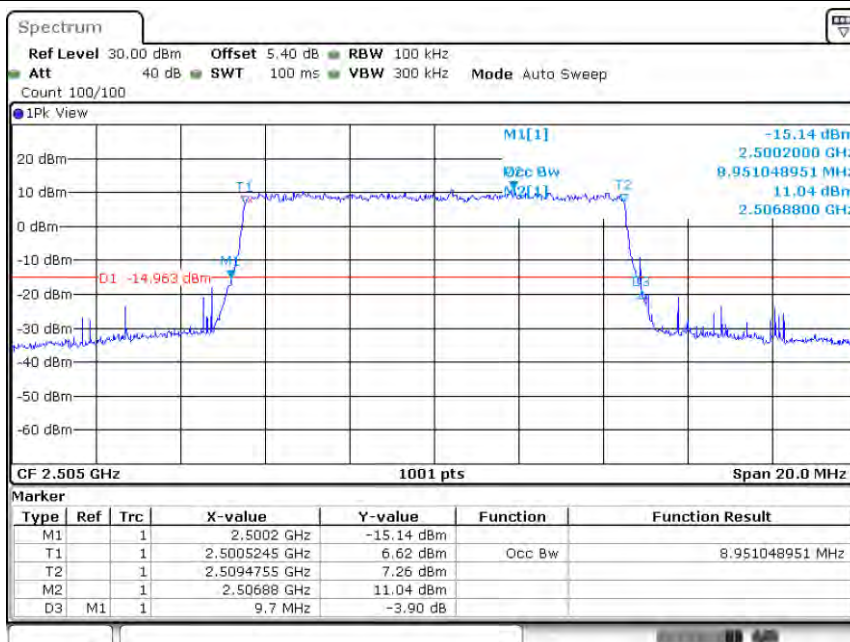


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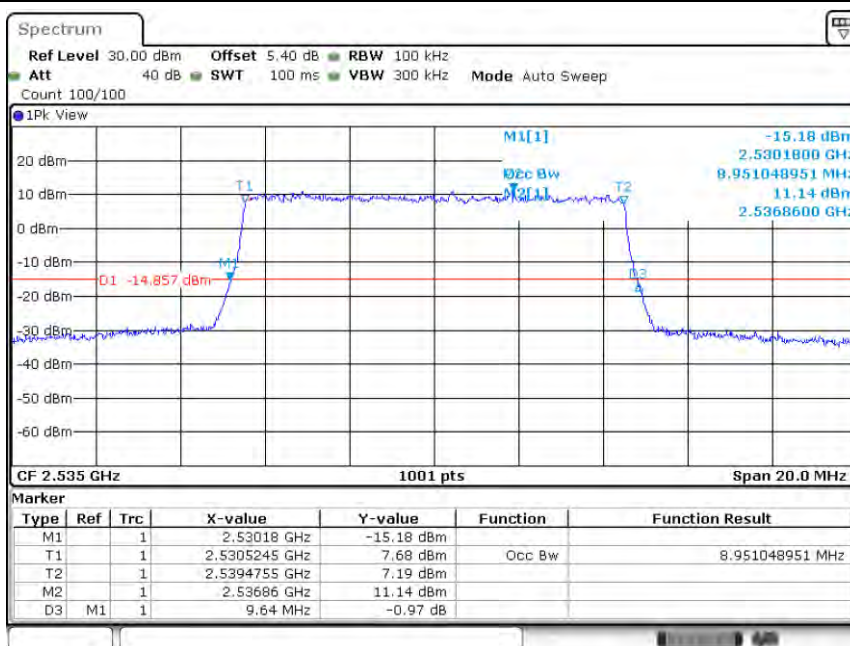


## Band7-10MHz-256QAM-20800-50RB#0-8.951



Date: 5.MAY.2021 02:46:26

## Band7-10MHz-256QAM-21100-50RB#0-8.951



Date: 5.MAY.2021 02:46:46



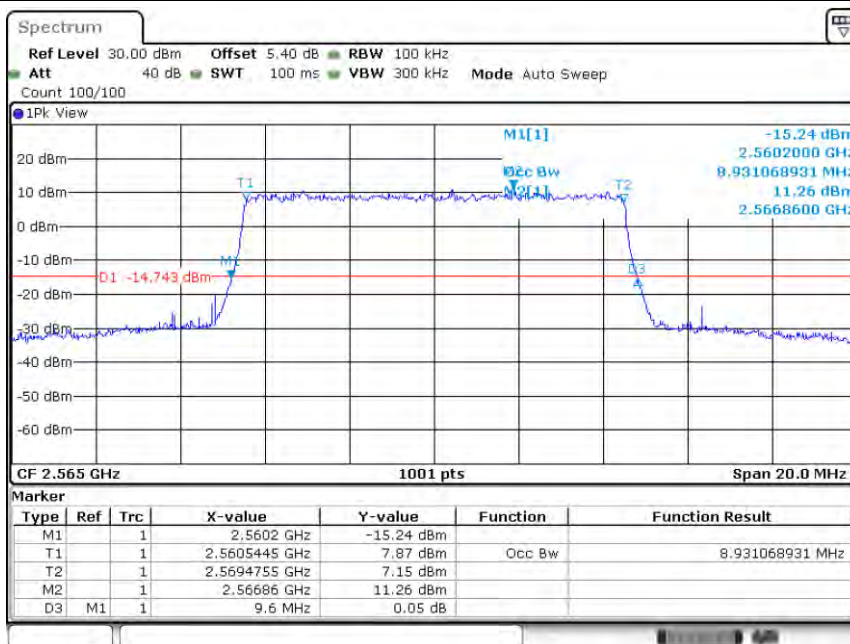
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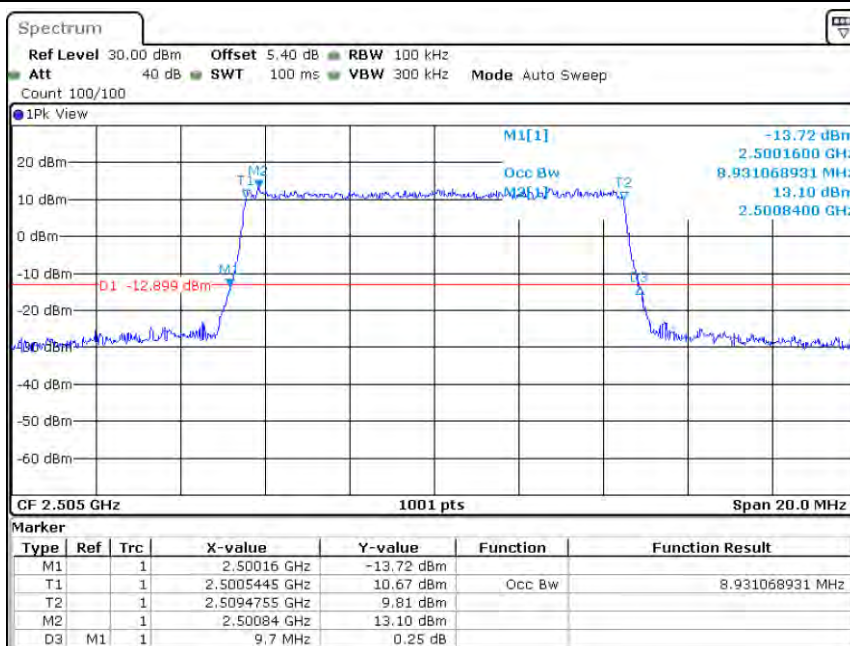


Band7-10MHz-256QAM-21400-50RB#0-8.931



Date: 5.MAY.2021 02:47:06

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



Date: 16.MAY.2021 09:02:04



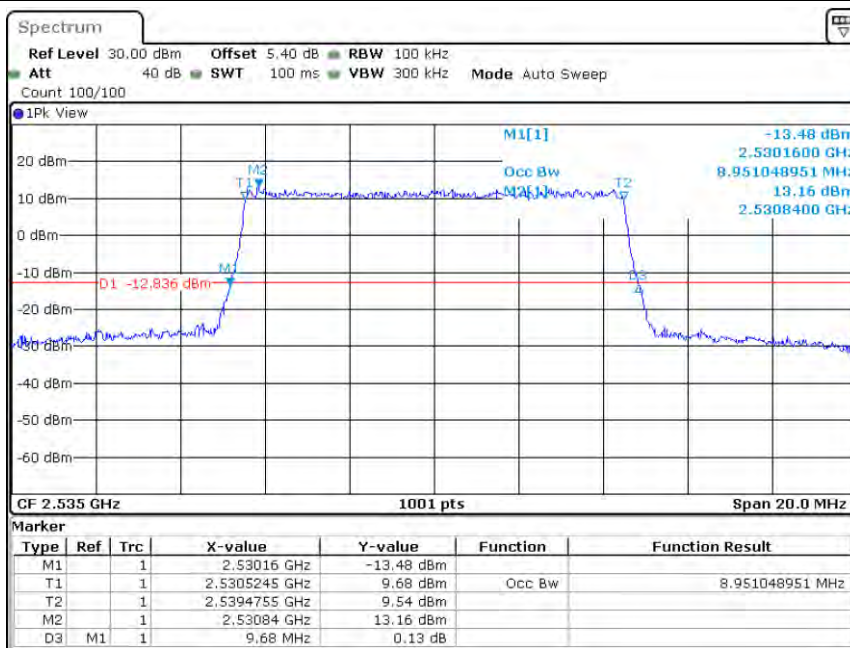
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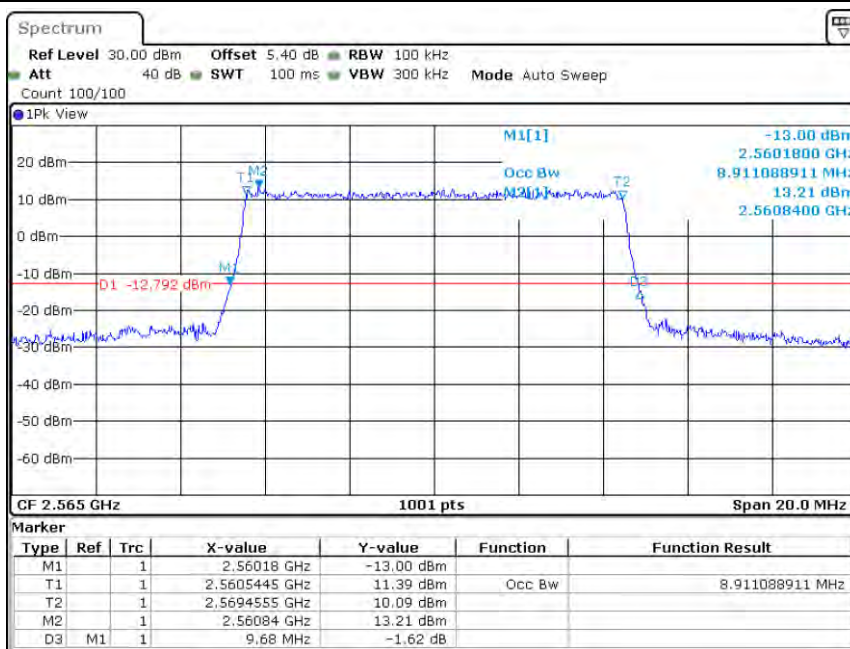


Band7-10MHz-16QAM-21100-50RB#0-8.951



Date: 16.MAY.2021 09:02:44

Band7-10MHz-16QAM-21400-50RB#0-8.911



Date: 16.MAY.2021 09:03:23



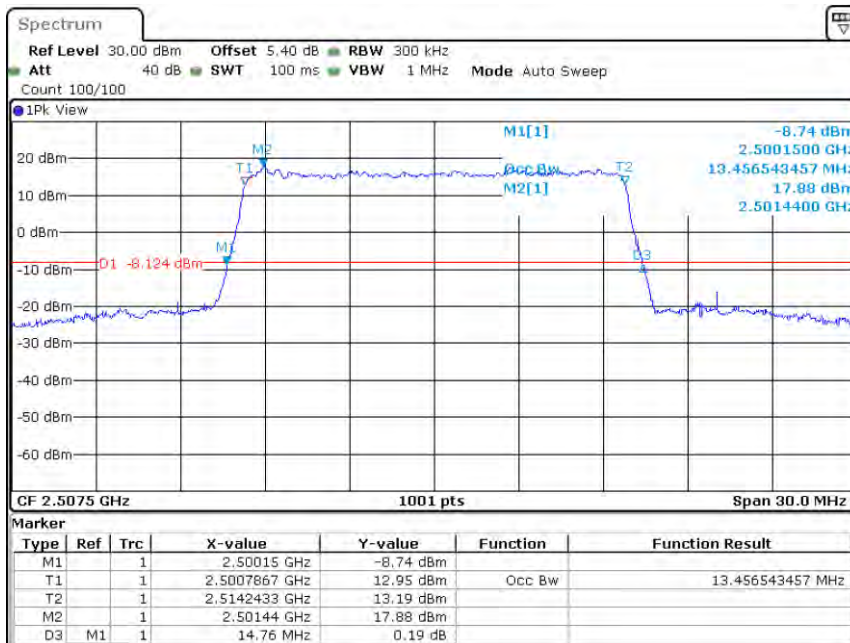
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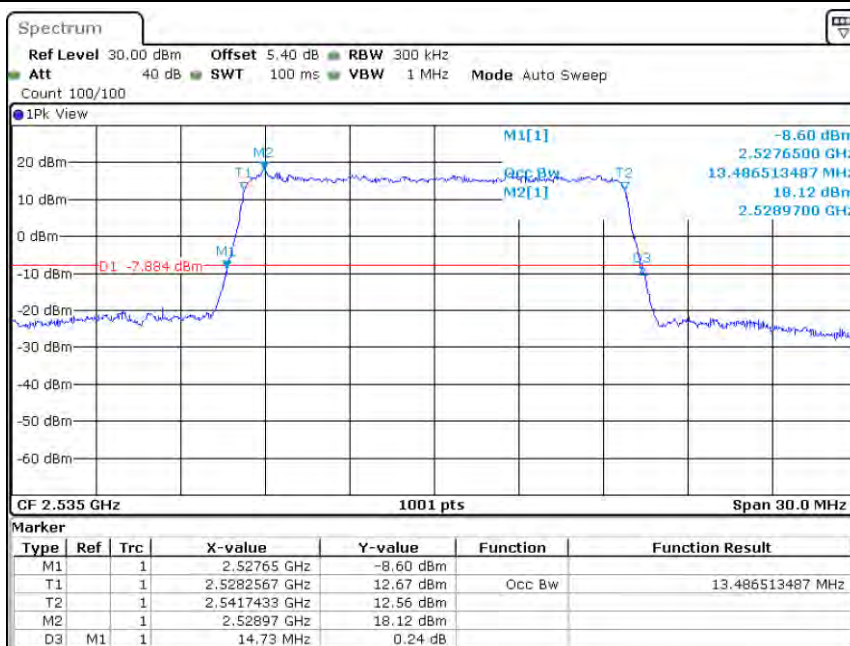


Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 16.MAY.2021 09:03:48

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



Date: 16.MAY.2021 09:04:28



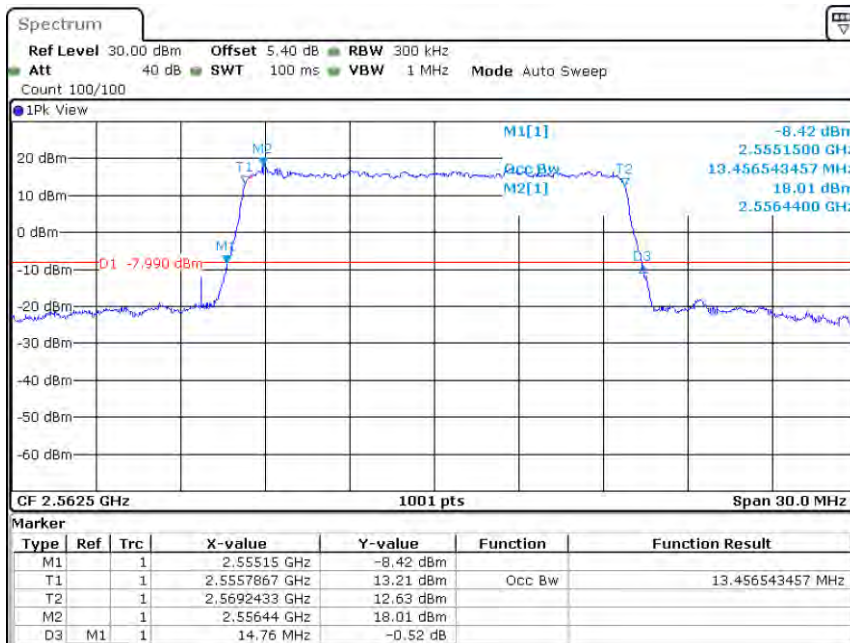
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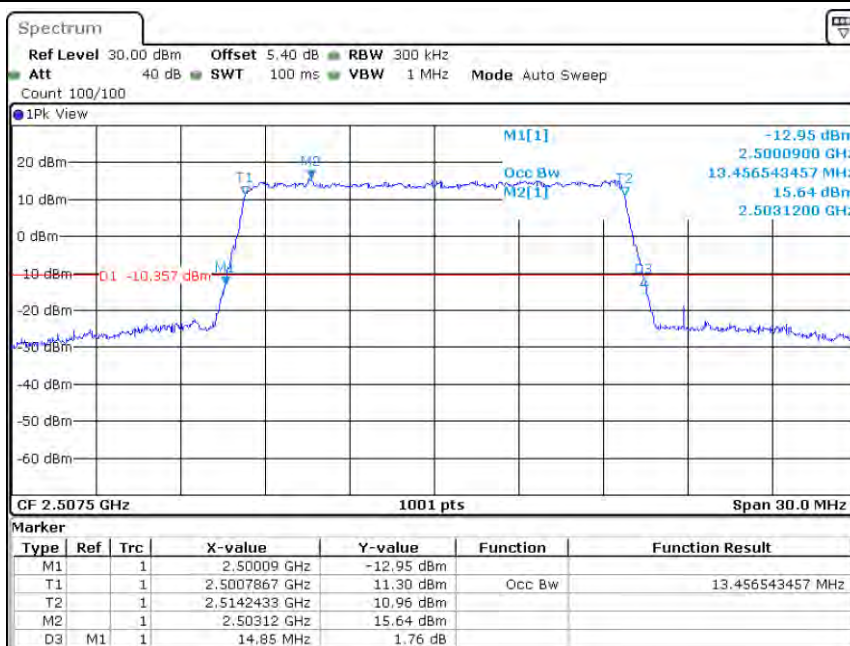


Band7-15MHz-QPSK-21375-75RB#0-13.457



Date: 16.MAY.2021 09:05:08

Band7-15MHz-64QAM-20825-75RB#0-13.457



Date: 16.MAY.2021 10:44:03

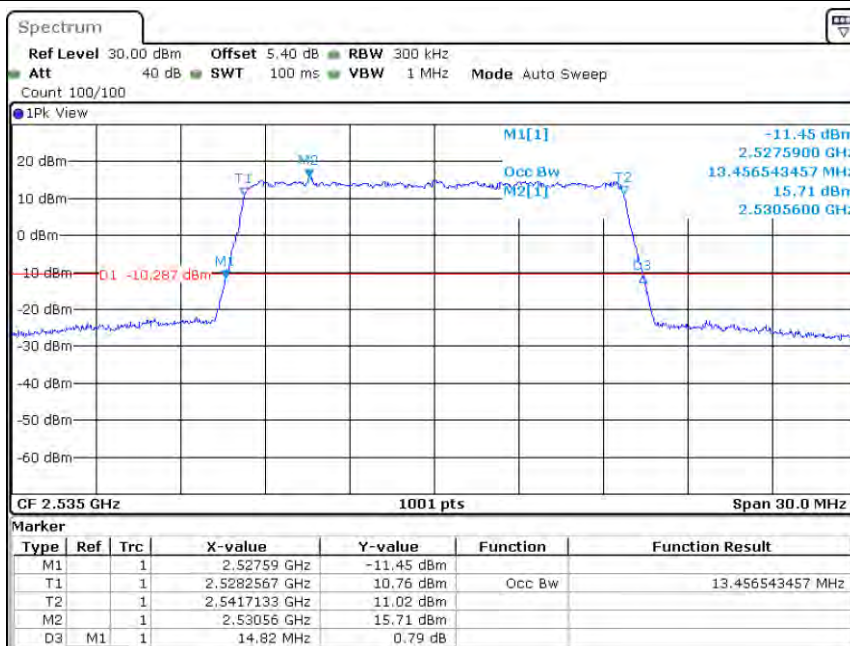


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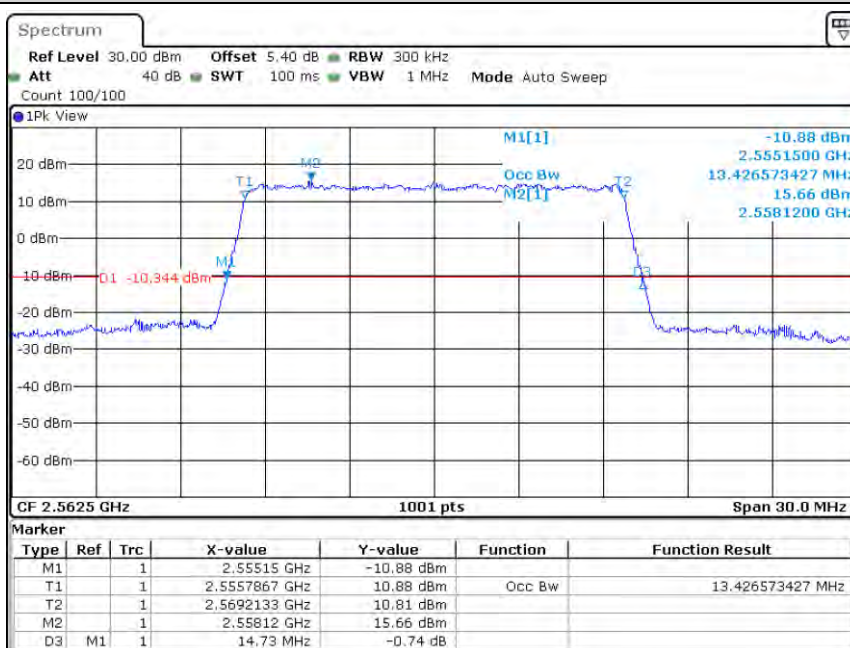


Band7-15MHz-64QAM-21100-75RB#0-13.457



Date: 16.MAY.2021 10:44:23

Band7-15MHz-64QAM-21375-75RB#0-13.427



Date: 16.MAY.2021 10:44:43



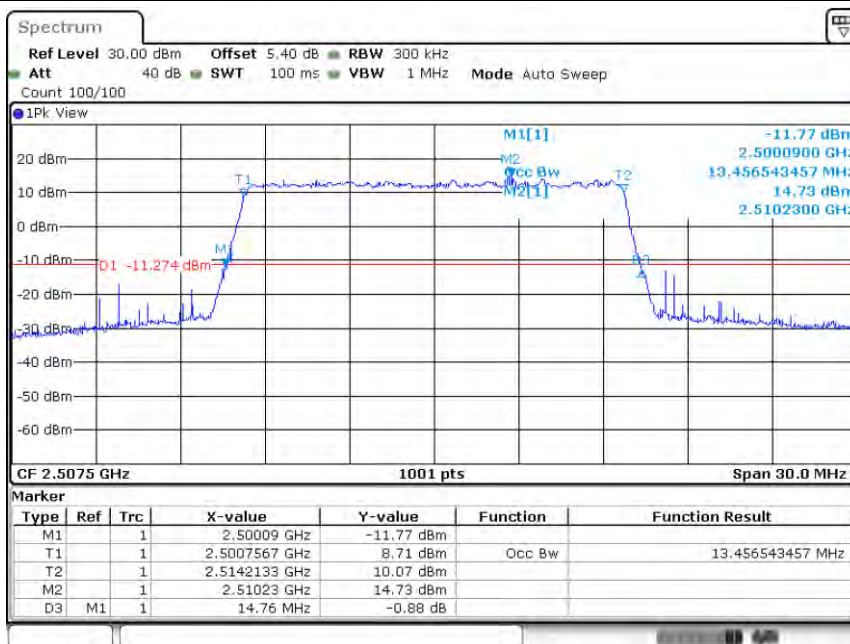
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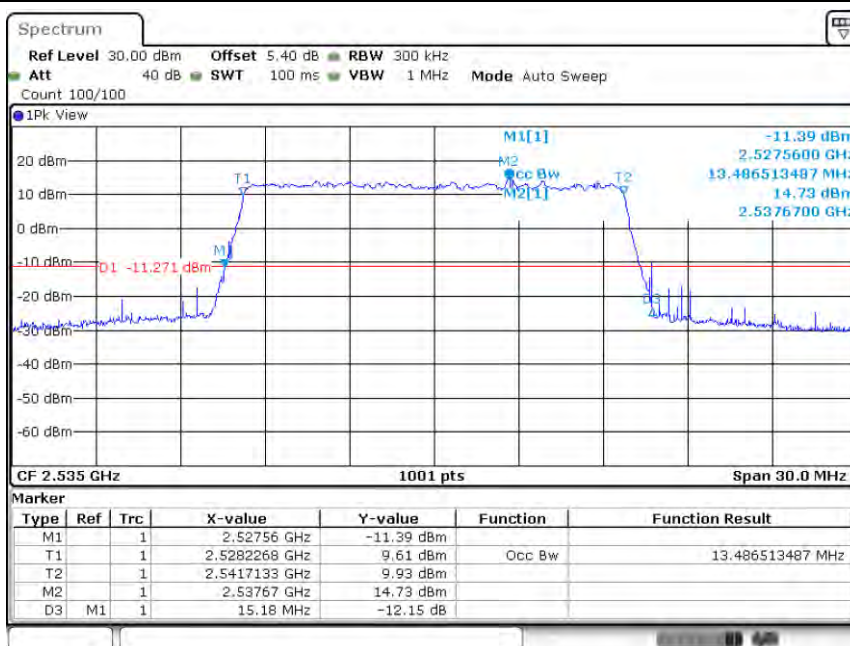


Band7-15MHz-256QAM-20825-75RB#0-13.457



Date: 5.MAY.2021 02:47:31

Band7-15MHz-256QAM-21100-75RB#0-13.487



Date: 5.MAY.2021 02:47:51



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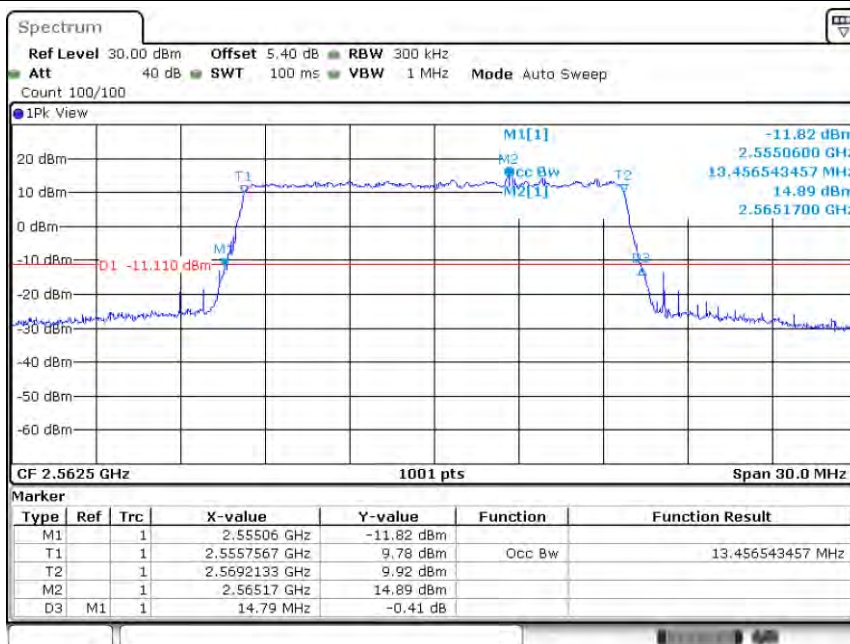
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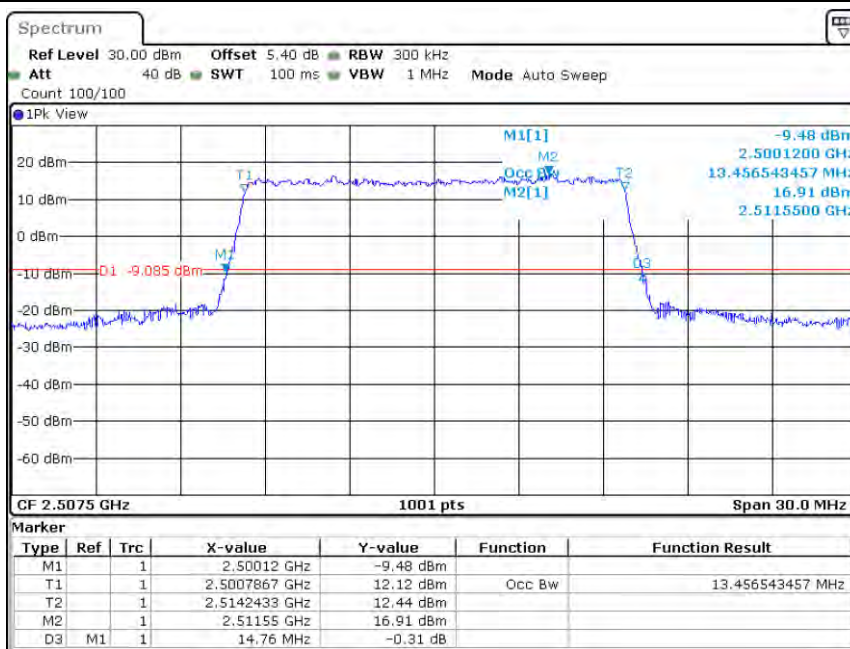


Band7-15MHz-256QAM-21375-75RB#0-13.457



Date: 5.MAY.2021 02:48:11

Band7-15MHz-16QAM-20825-75RB#0-13.457



Date: 16.MAY.2021 09:04:08

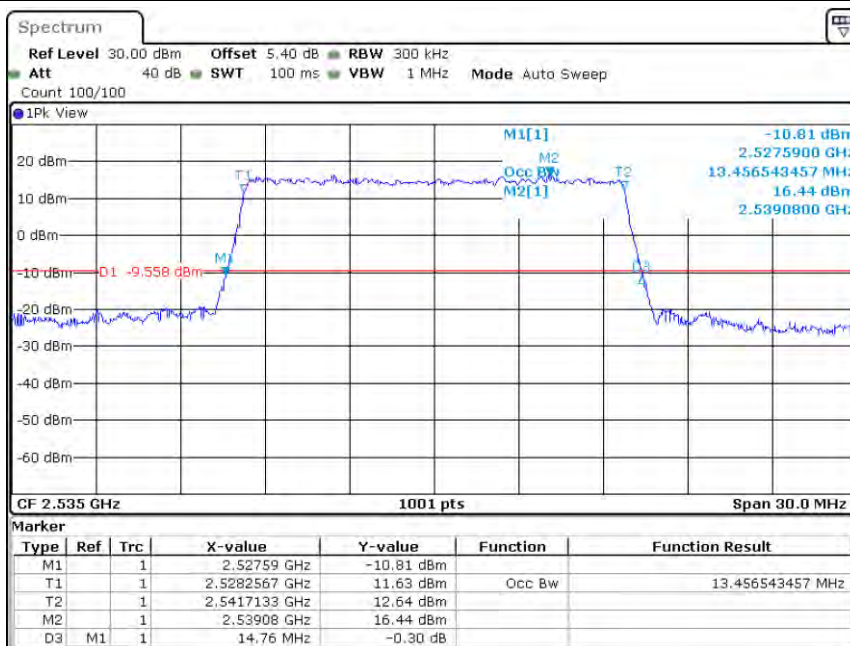


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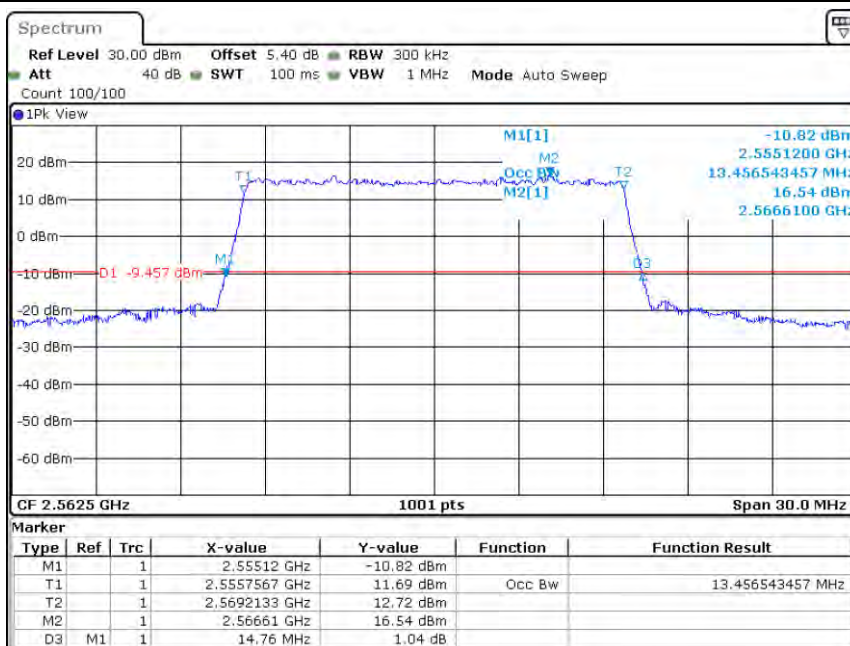


Band7-15MHz-16QAM-21100-75RB#0-13.457



Date: 16.MAY.2021 09:04:48

Band7-15MHz-16QAM-21375-75RB#0-13.457



Date: 16.MAY.2021 09:05:27



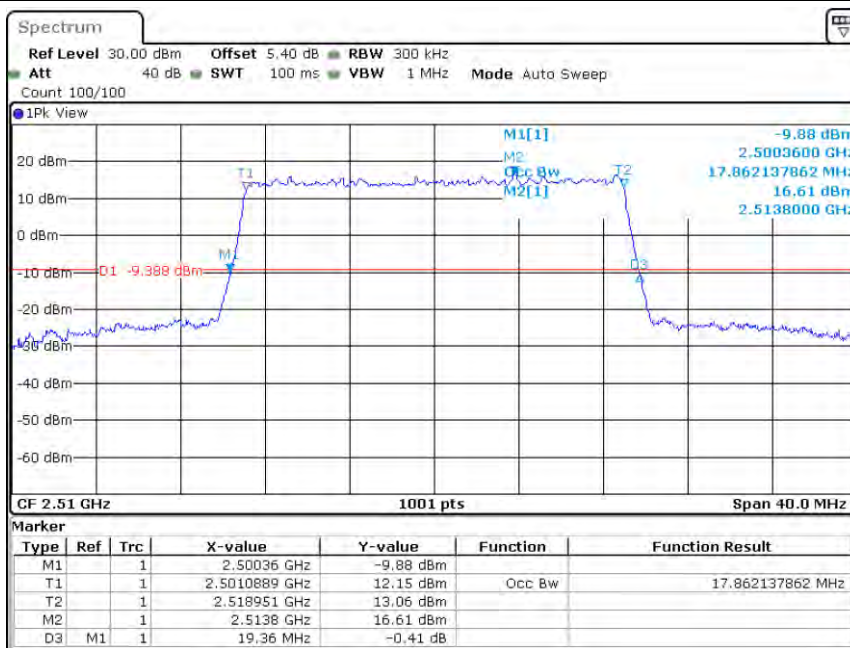
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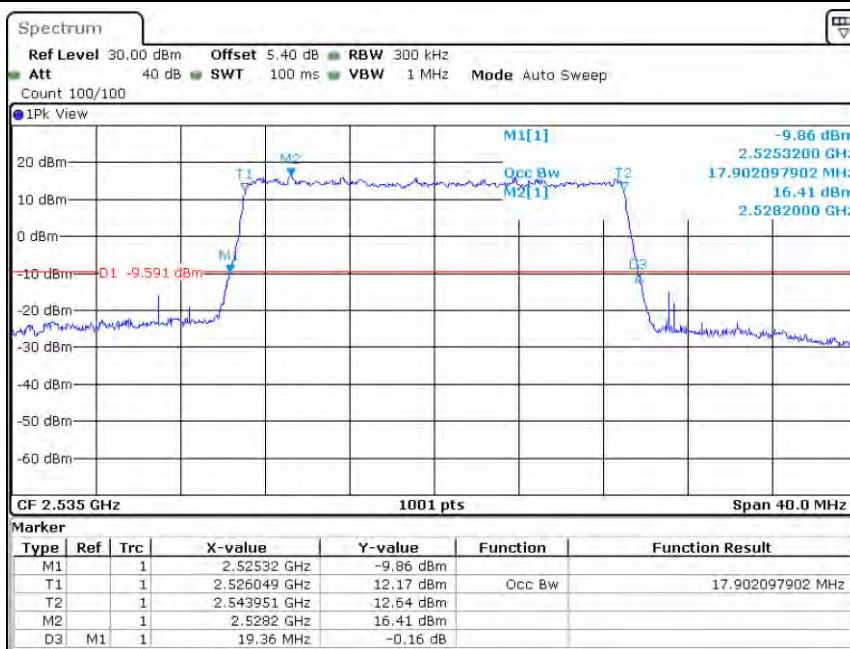


Band7-20MHz-QPSK-20850-100RB#0-17.862



Date: 16.MAY.2021 09:05:53

Band7-20MHz-QPSK-21100-100RB#0-17.902



Date: 16.MAY.2021 09:06:32



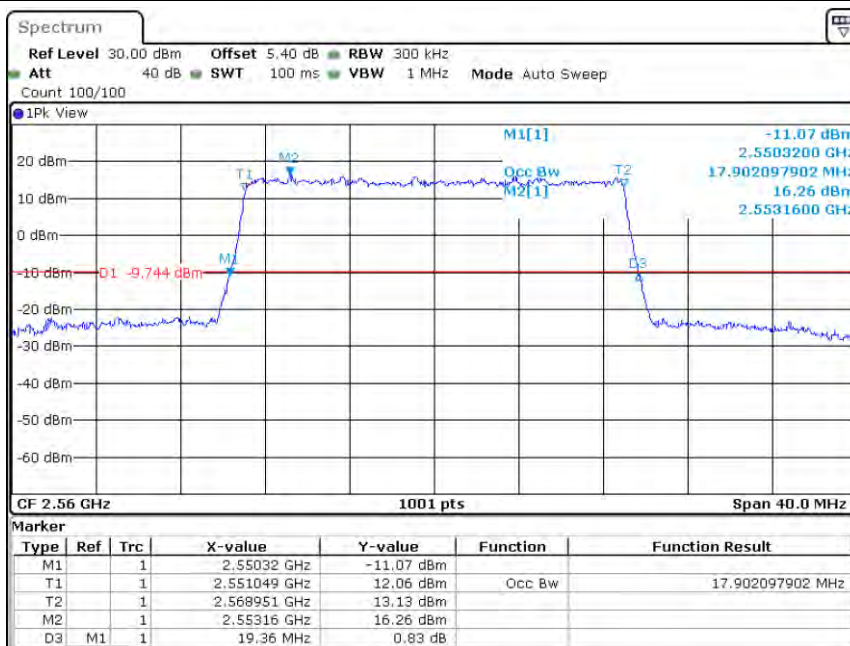
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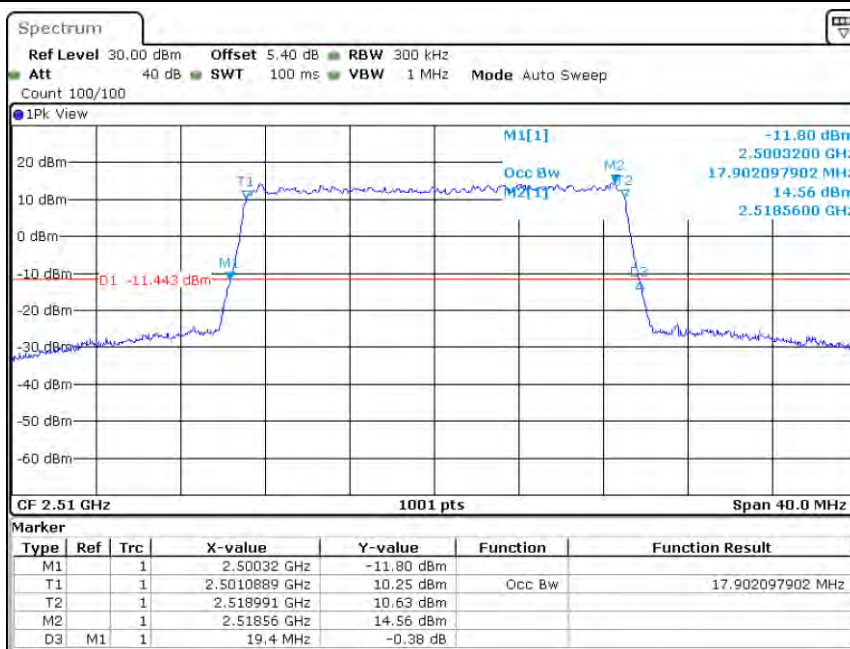


Band7-20MHz-QPSK-21350-100RB#0-17.902



Date: 16.MAY.2021 09:07:12

Band7-20MHz-64QAM-20850-100RB#0-17.902

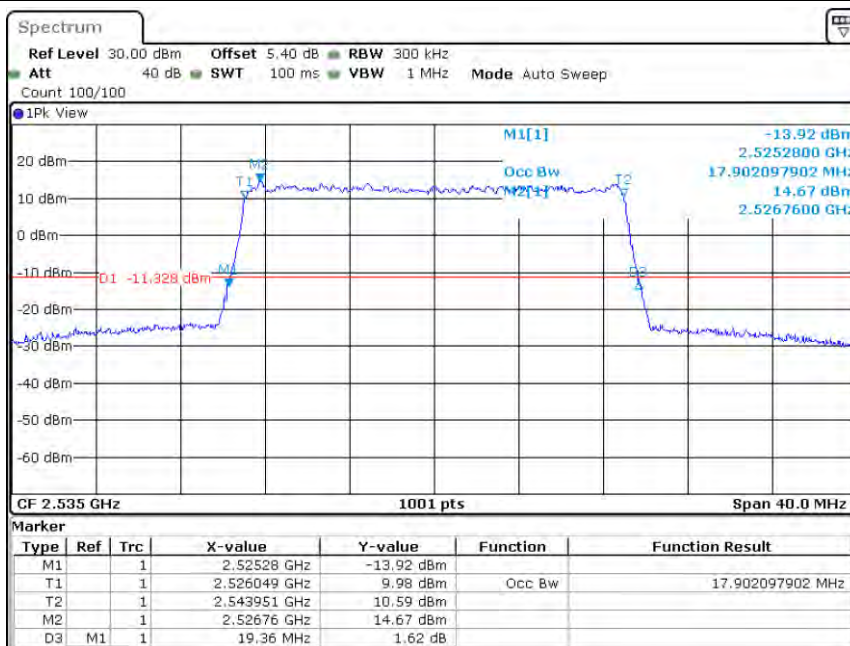


Date: 16.MAY.2021 10:45:10



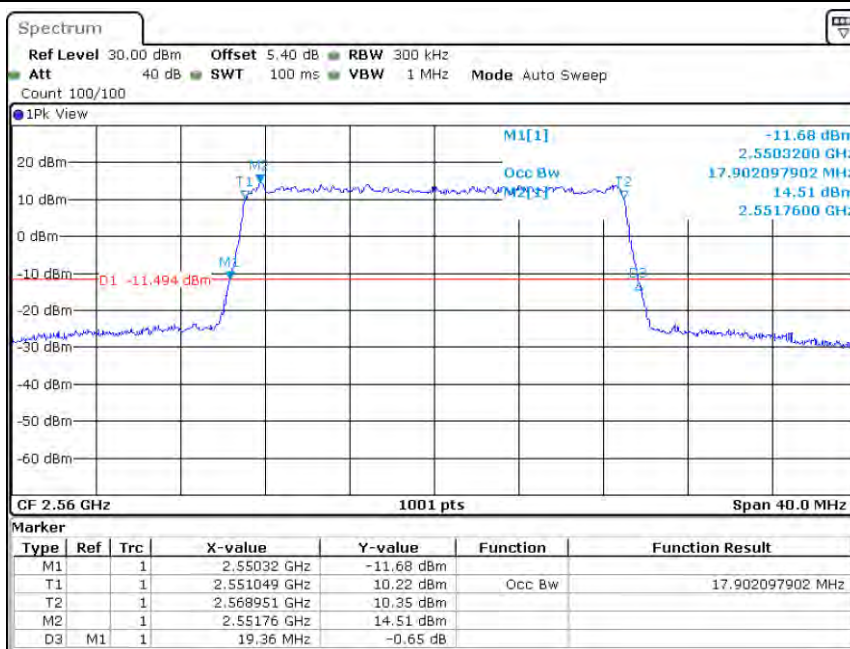


Band7-20MHz-64QAM-21100-100RB#0-17.902



Date: 16.MAY.2021 10:45:30

Band7-20MHz-64QAM-21350-100RB#0-17.902



Date: 16.MAY.2021 10:45:50



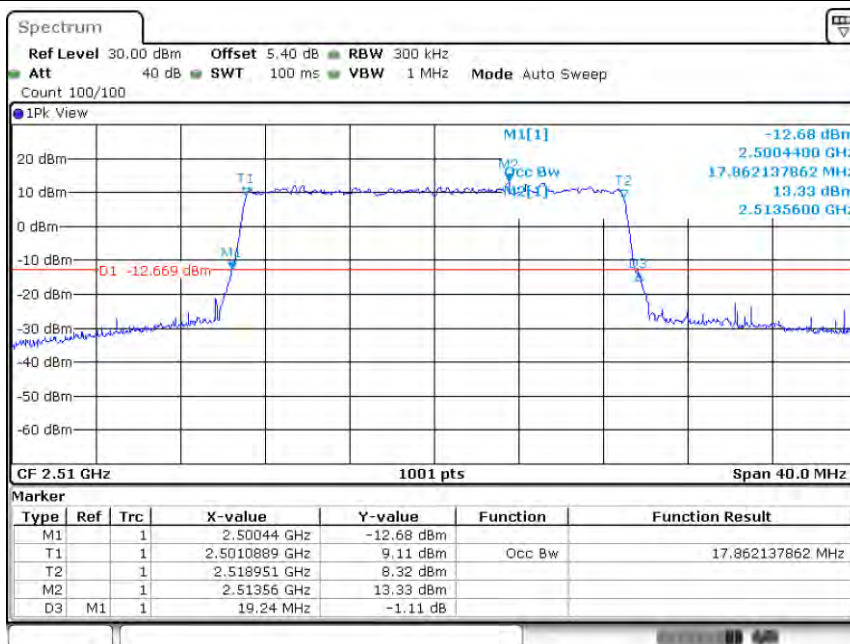
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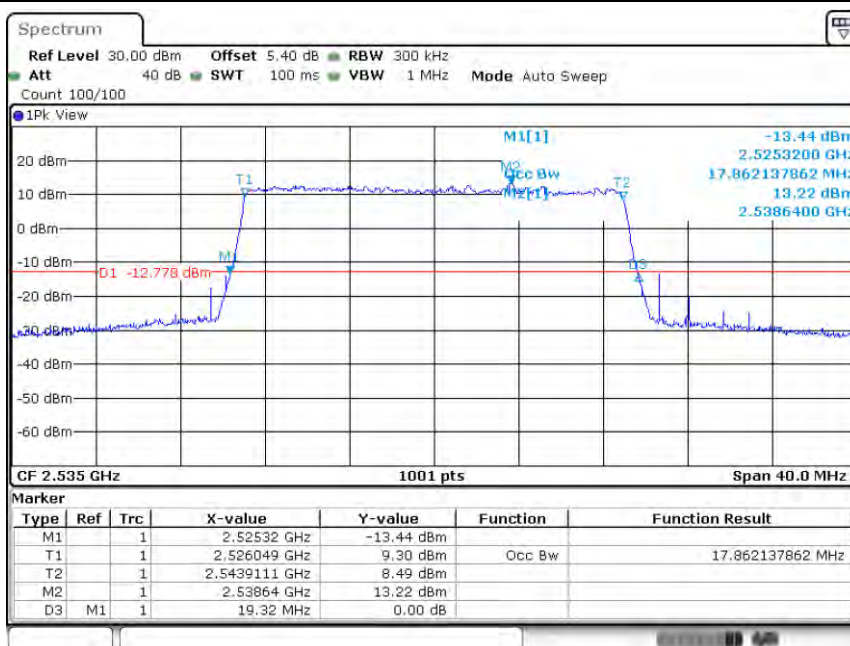


Band7-20MHz-256QAM-20850-100RB#0-17.862



Date: 5.MAY.2021 02:48:36

Band7-20MHz-256QAM-21100-100RB#0-17.862



Date: 5.MAY.2021 02:48:56

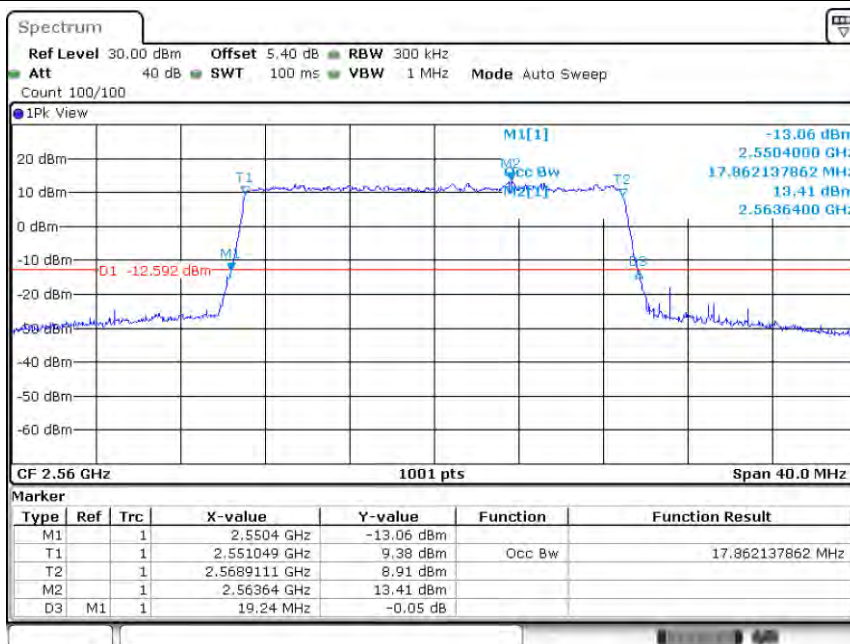


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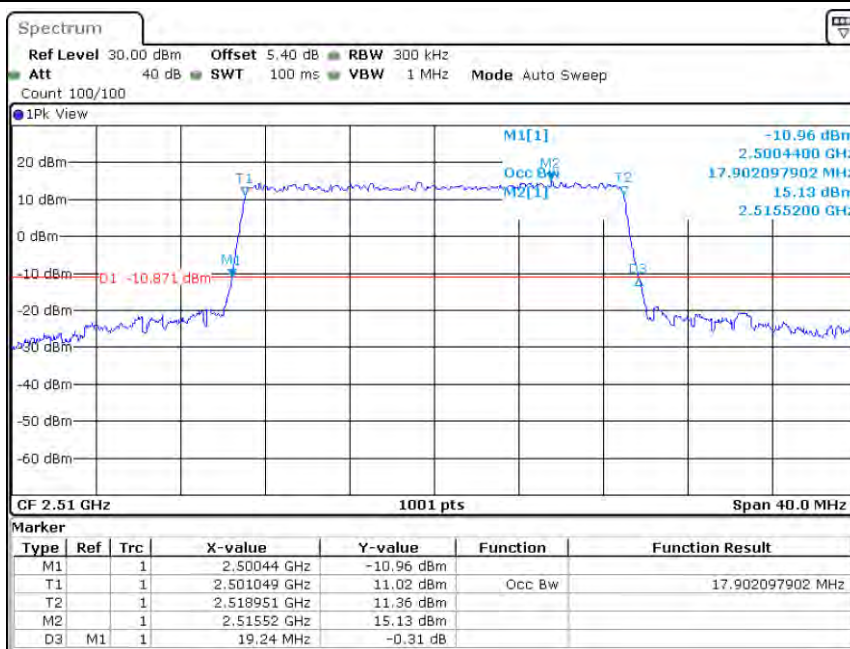


Band7-20MHz-256QAM-21350-100RB#0-17.862



Date: 5.MAY.2021 02:49:16

Band7-20MHz-16QAM-20850-100RB#0-17.902



Date: 16.MAY.2021 09:06:12



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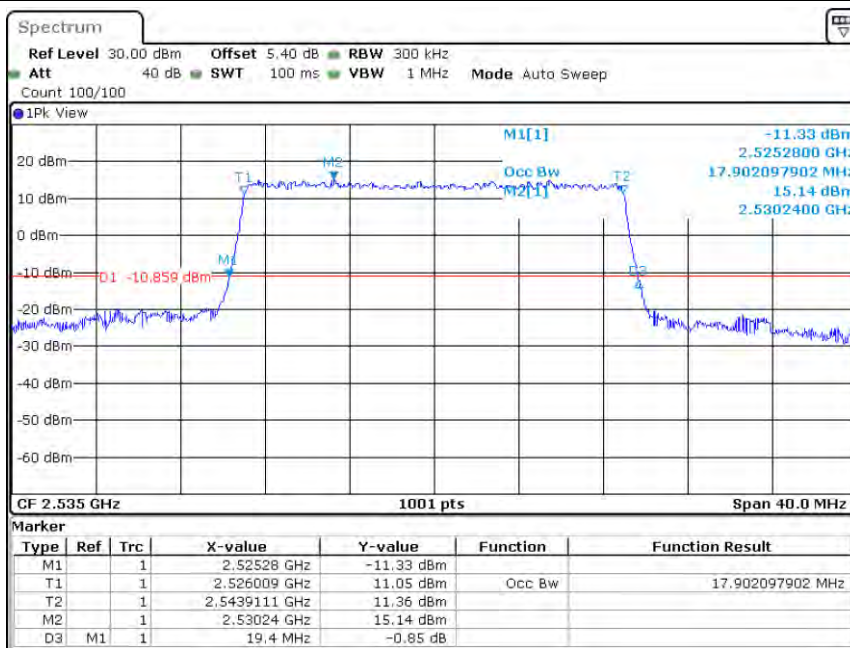
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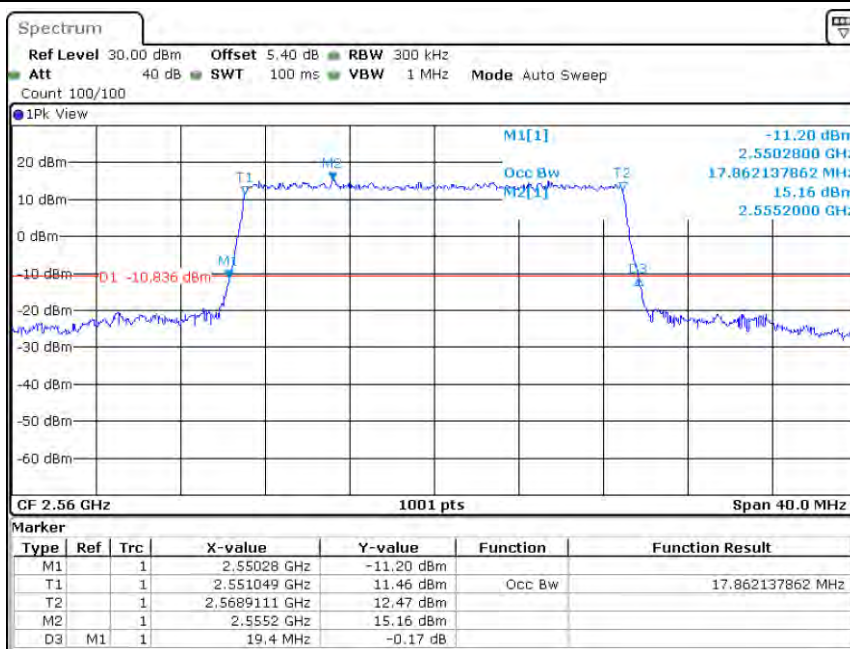


Band7-20MHz-16QAM-21100-100RB#0-17.902



Date: 16.MAY.2021 09:06:52

Band7-20MHz-16QAM-21350-100RB#0-17.862



Date: 16.MAY.2021 09:07:31



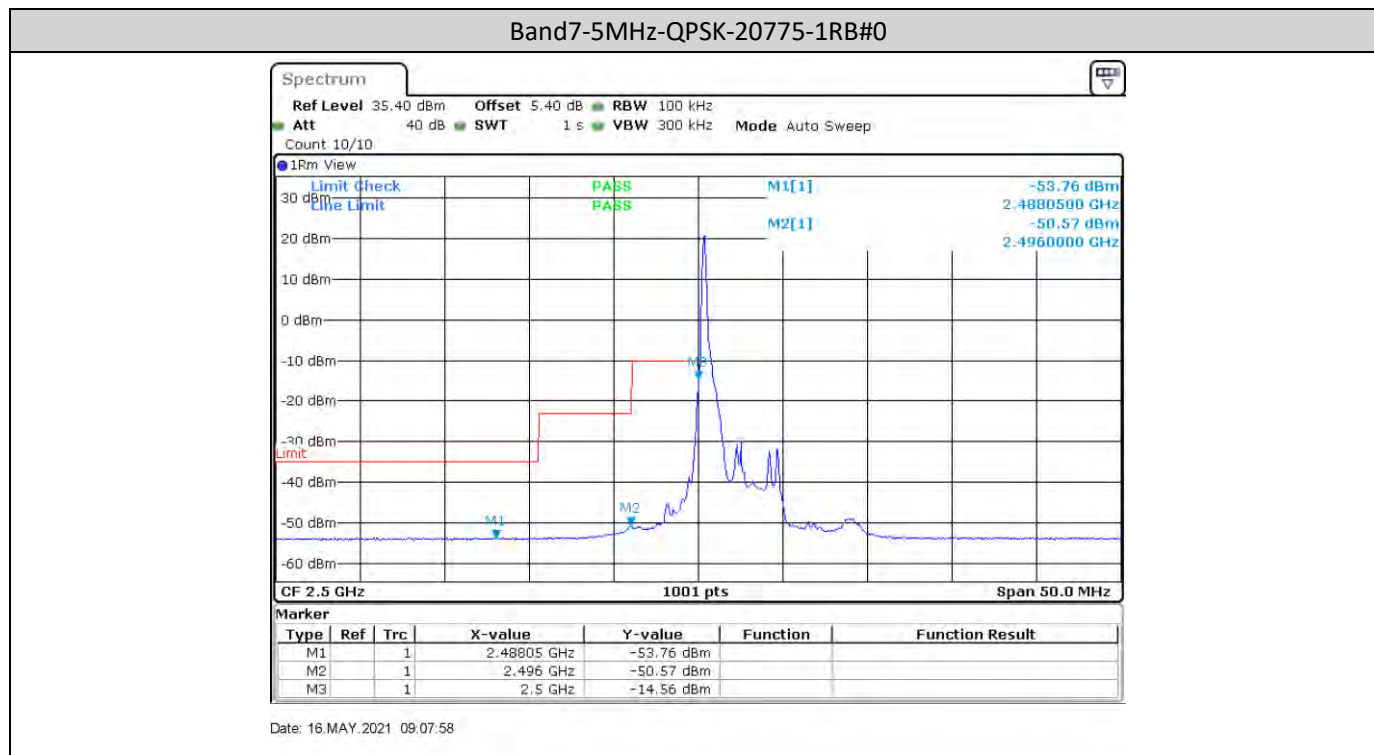
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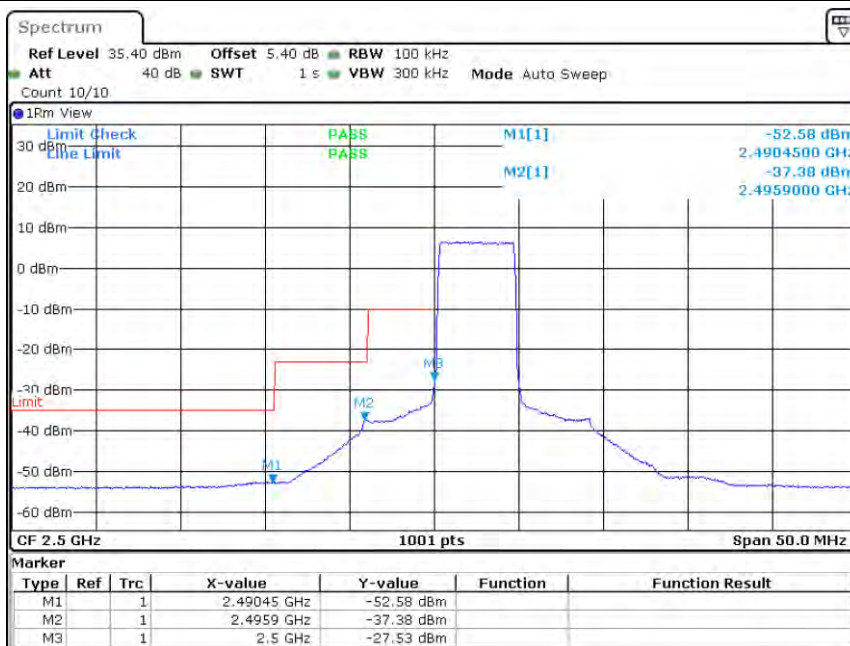
### 5.1. Test Plots





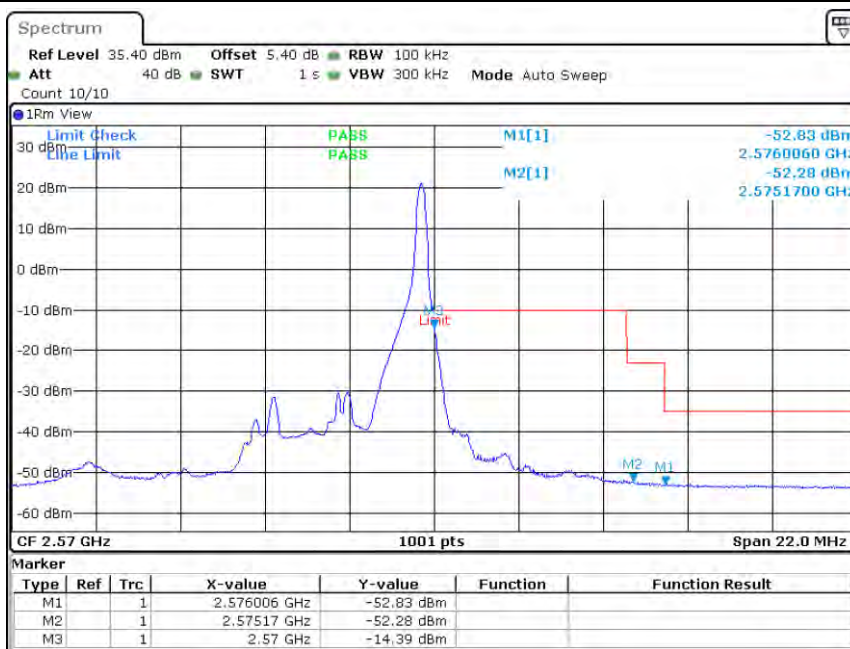


Band7-5MHz-QPSK-20775-25RB#0



Date: 16.MAY.2021 09:09:32

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



Date: 16.MAY.2021 09:08:45



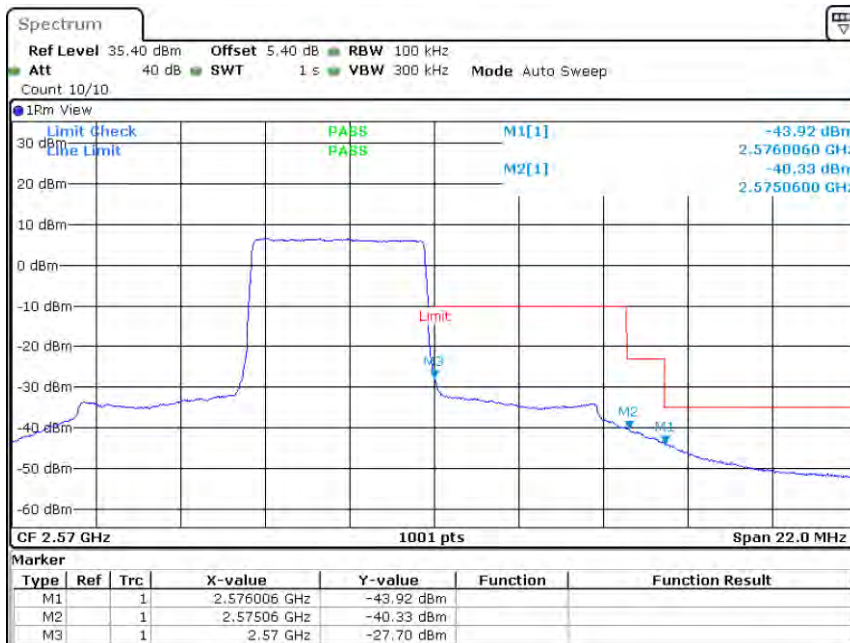
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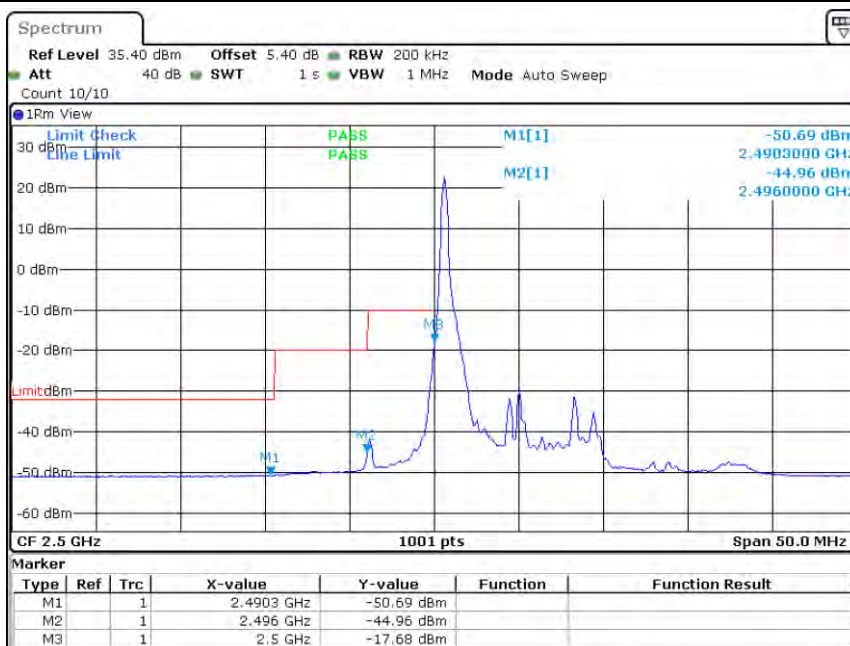


Band7-5MHz-QPSK-21425-25RB#0



Date: 16.MAY.2021 09:10:14

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



Date: 16.MAY.2021 09:11:03



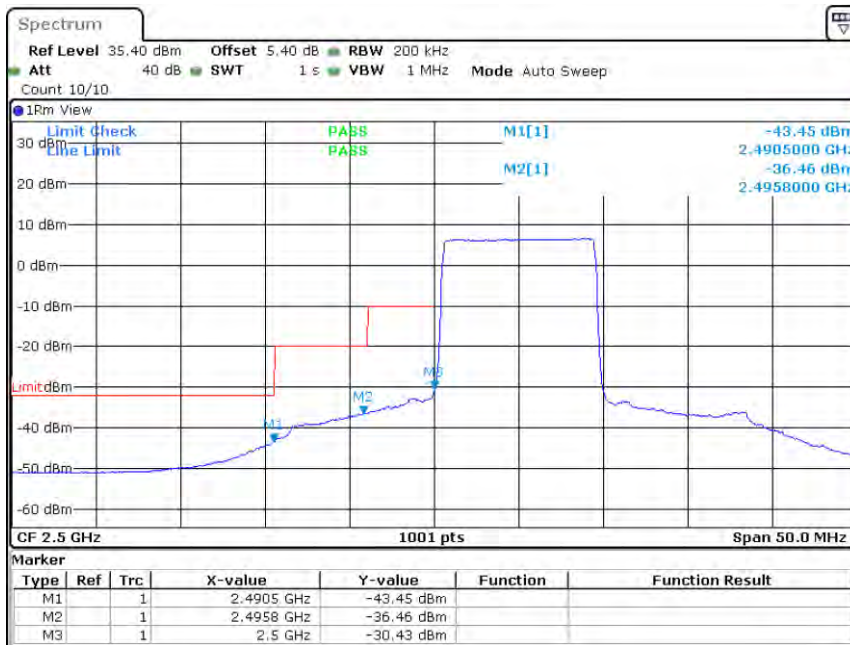
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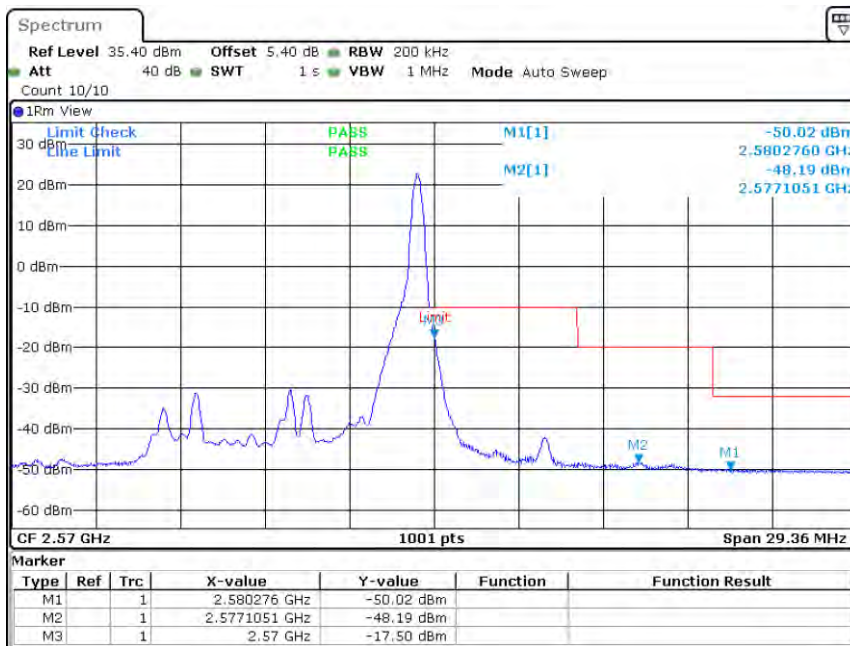


Band7-10MHz-QPSK-20800-50RB#0



Date: 16.MAY.2021 09:12:37

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



Date: 16.MAY.2021 09:11:50

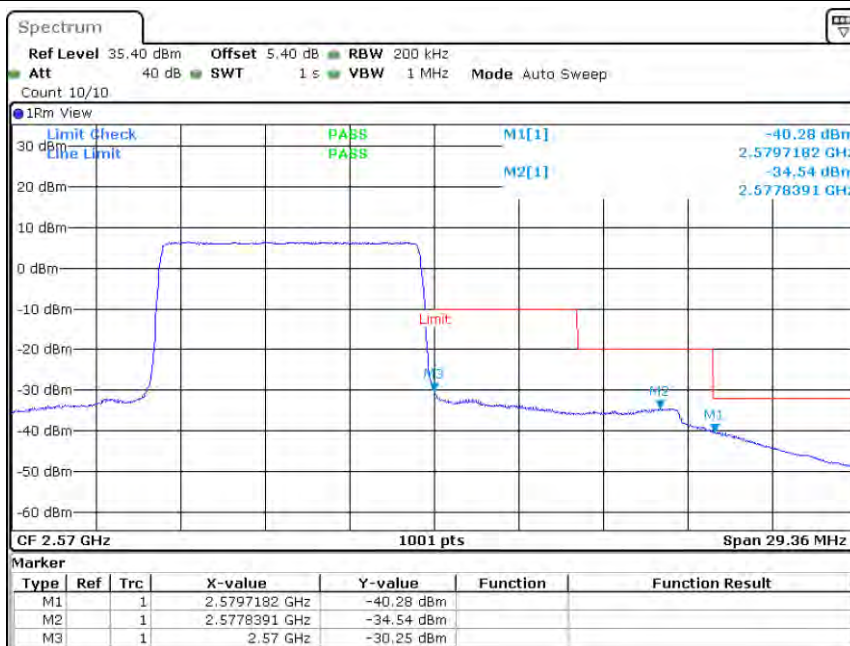


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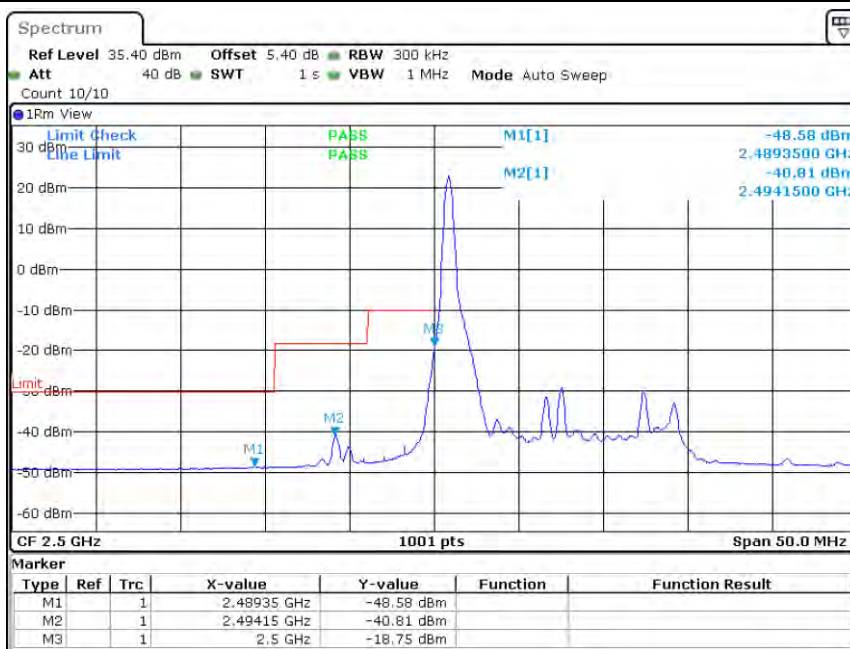
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## Band7-10MHz-QPSK-21400-50RB#0



Date: 16.MAY.2021 09:13:19

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



Date: 16.MAY.2021 09:14:08



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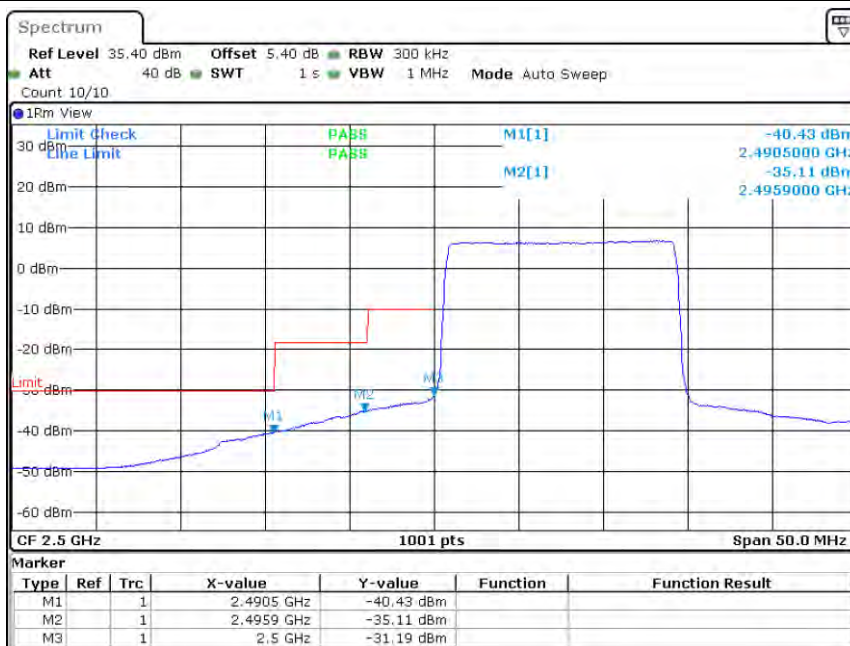
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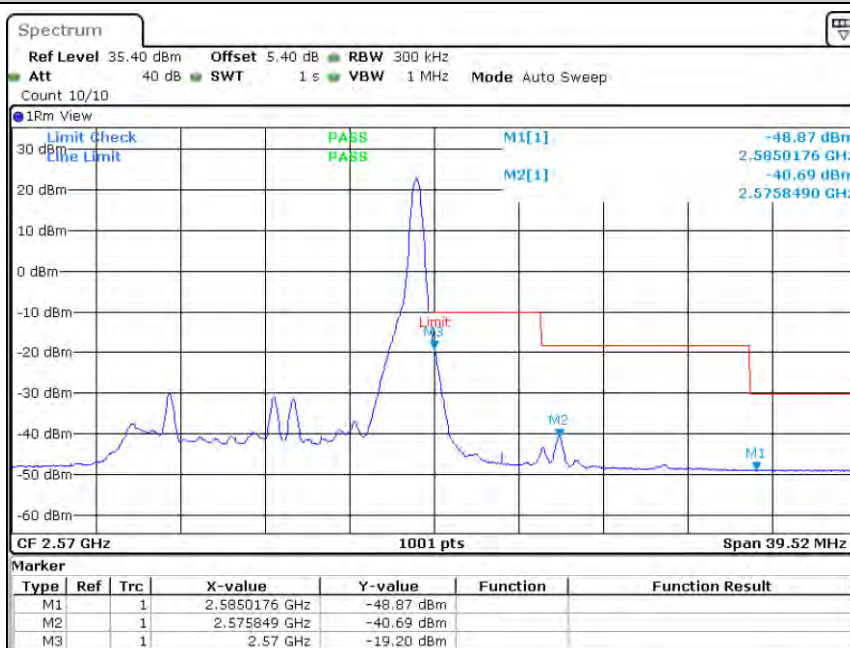


Band7-15MHz-QPSK-20825-75RB#0



Date: 16.MAY.2021 09:15:42

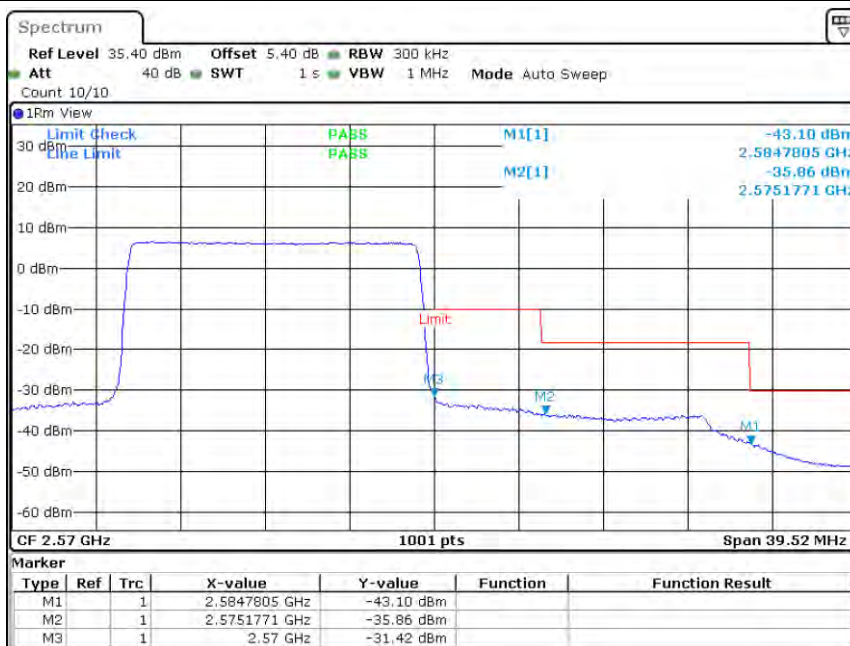
Band7-15MHz-QPSK-21375-1RB#74



Date: 16.MAY.2021 09:14:55

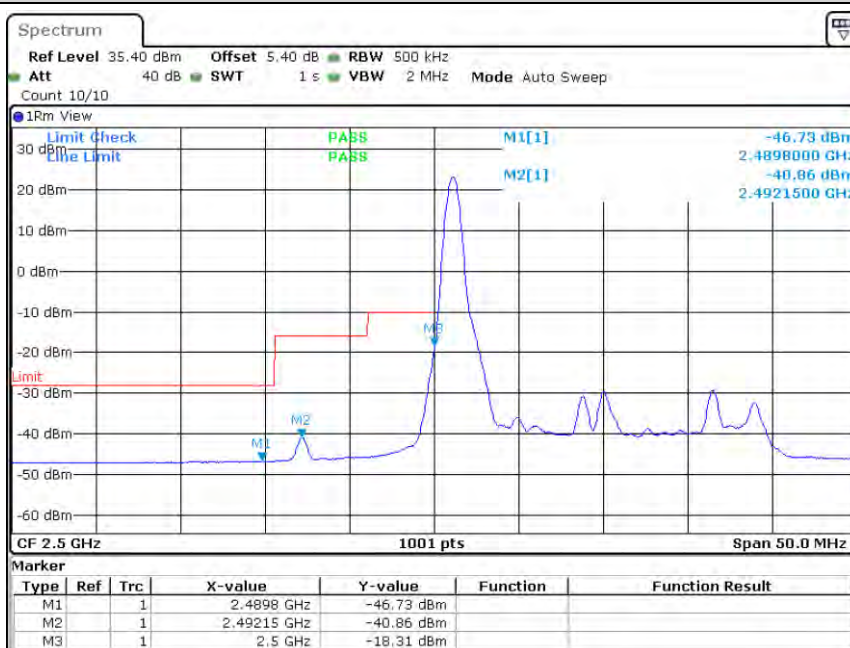


## Band7-15MHz-QPSK-21375-75RB#0



Date: 16.MAY.2021 09:16:25

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



Date: 16.MAY.2021 09:17:13



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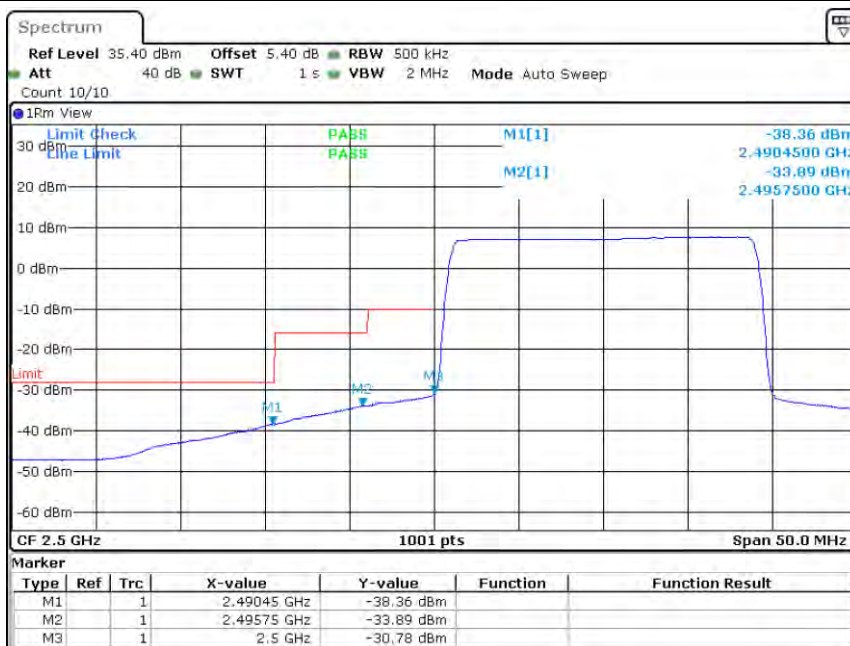
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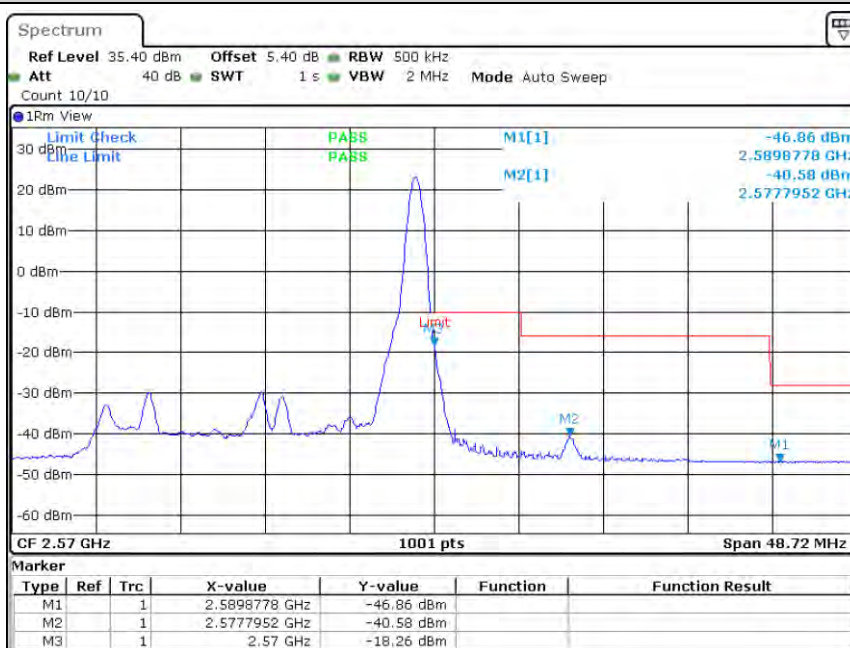


Band7-20MHz-QPSK-20850-100RB#0



Date: 16.MAY.2021 09:18:47

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



Date: 16.MAY.2021 09:18:00



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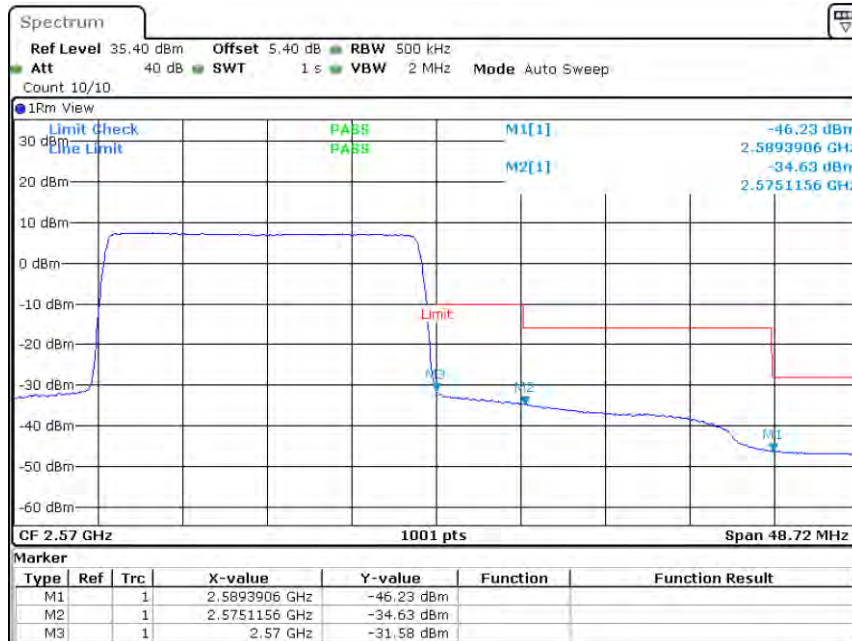
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Band7-20MHz-QPSK-21350-100RB#0



Date: 16.MAY.2021 09:19:29

Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:

$$X = \text{Limit} + 10 \log (\text{RBW} / 1000 \text{ kHz})$$



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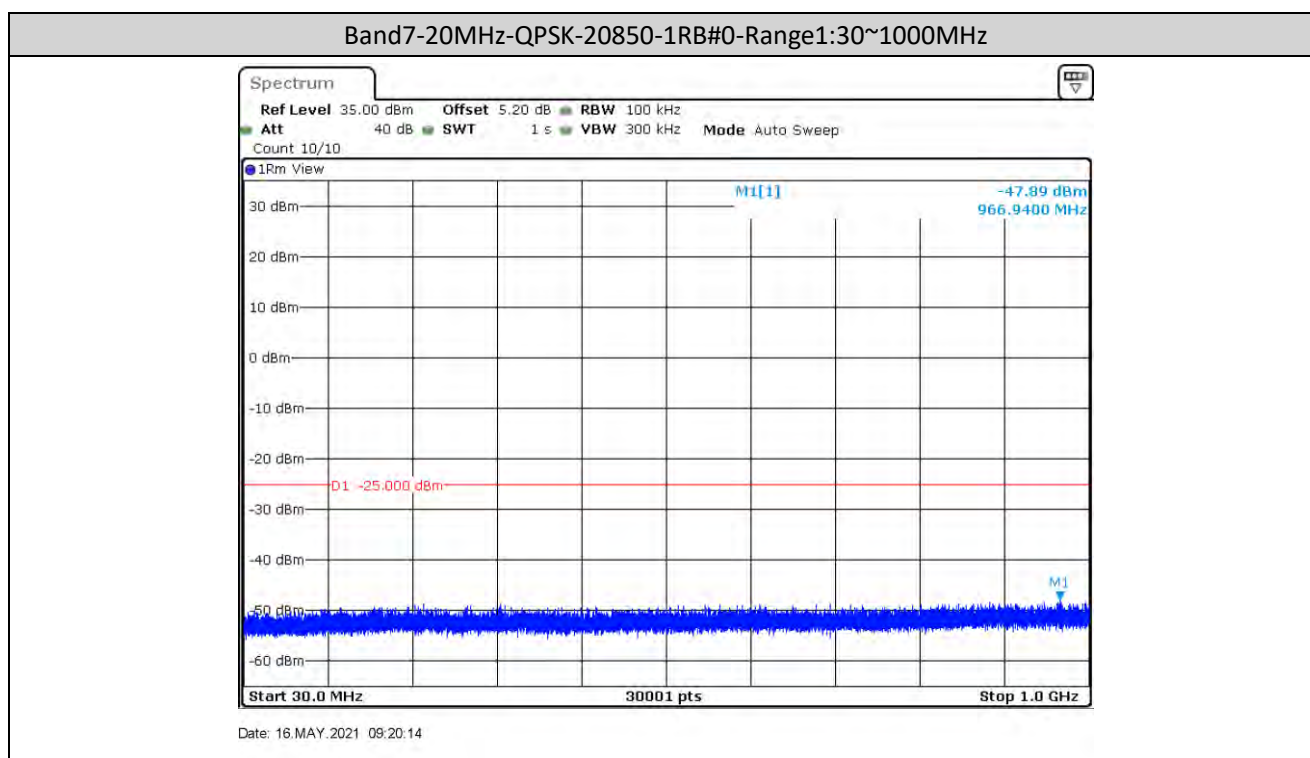
## 6. Spurious Emission at Antenna Terminal

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: 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.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

### 6.1. Test Plots

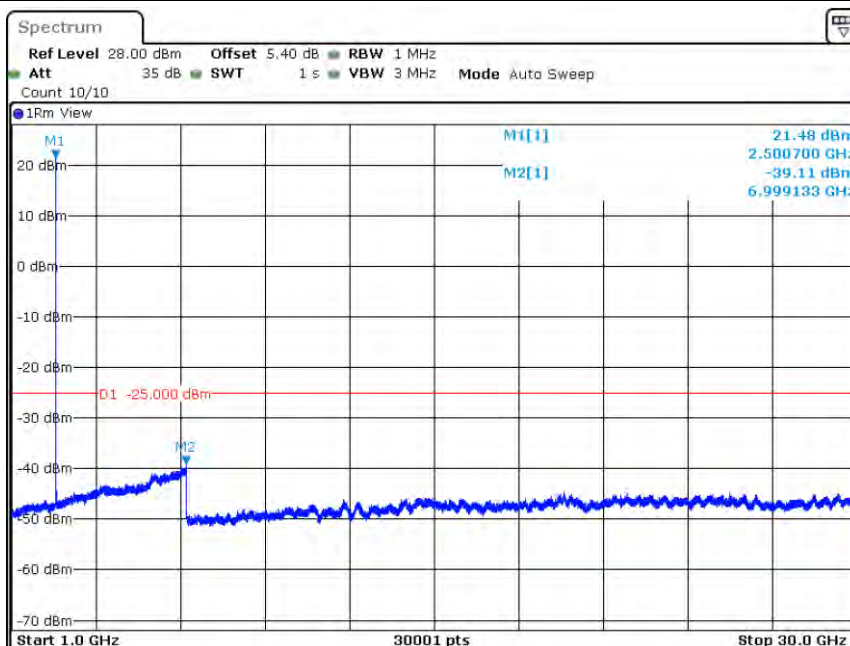


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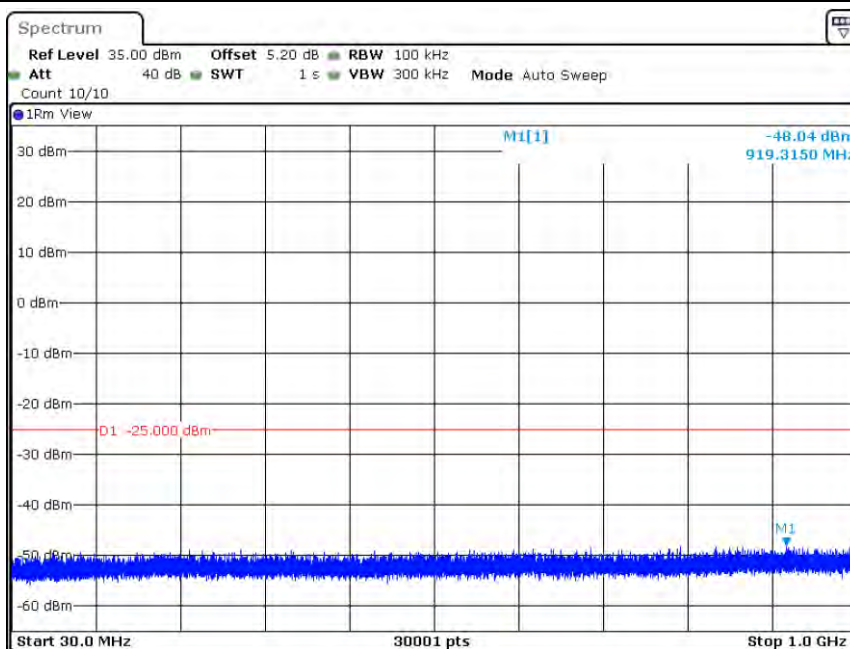
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## Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 16.MAY.2021 09:20:30

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



Date: 16.MAY.2021 09:21:24

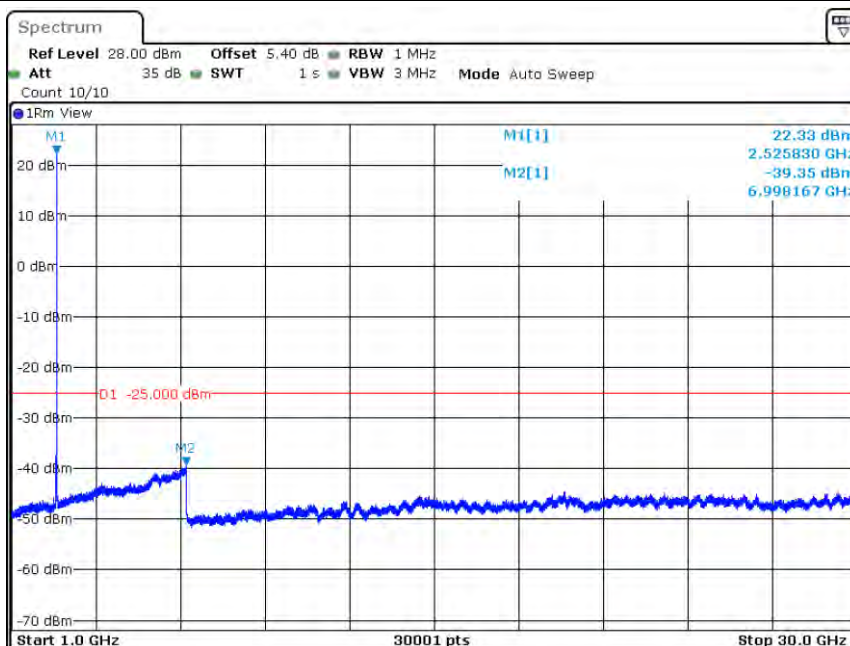


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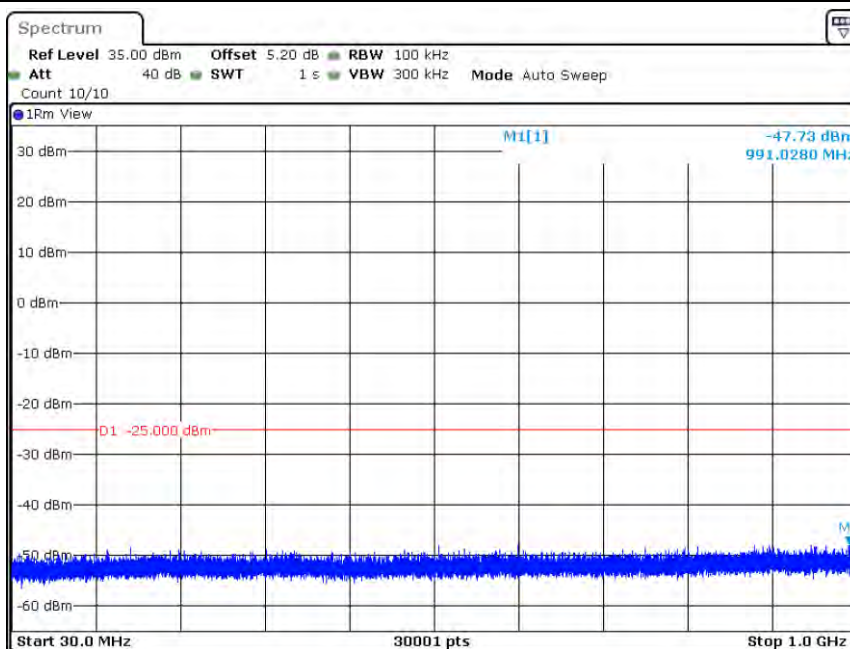


**Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz**



Date: 16.MAY.2021 09:21:41

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



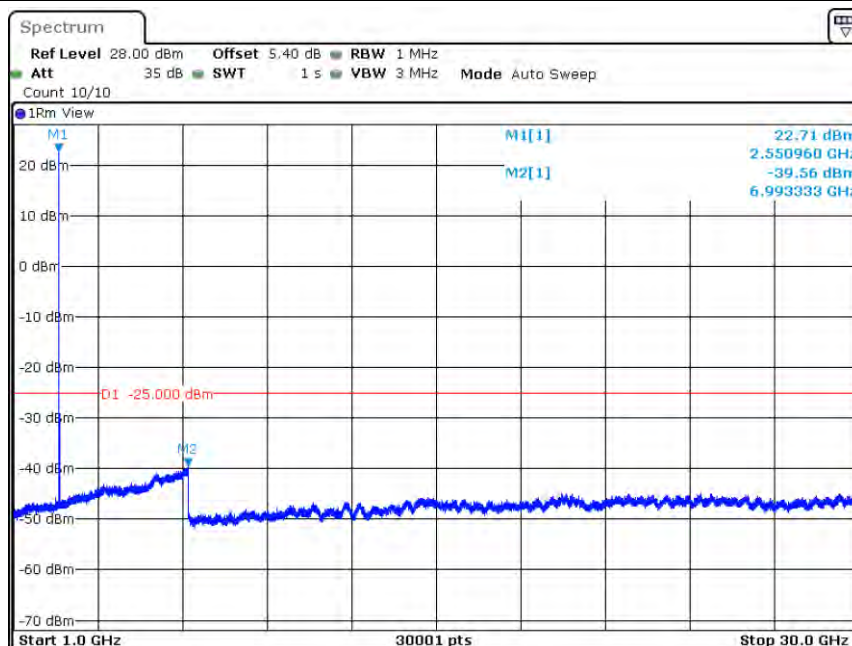
Date: 16.MAY.2021 09:22:34



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



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = \_7\_TM1

#### 7.1.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 1084.6042      | 27.14            | -43.10         | -25.00         | 18.10          | Horizontal |
| 2                   | 2020.6510      | 28.23            | -40.40         | -25.00         | 15.40          | Horizontal |
| 3                   | 3281.2641      | 56.08            | -60.26         | -25.00         | 35.26          | Horizontal |
| 4                   | 6491.4246      | 48.26            | -56.36         | -25.00         | 31.36          | Horizontal |
| 5                   | 9022.8011      | 46.83            | -52.18         | -25.00         | 27.18          | Horizontal |
| 6                   | 17984.249      | 47.47            | -46.08         | -25.00         | 21.08          | Horizontal |



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## 7.2. Test Band = \_7\_TM1

### 7.2.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 1161.3081      | 27.37            | -43.06         | -25.00         | 18.06          | Vertical |
| 2                   | 1777.4389      | 28.82            | -41.21         | -25.00         | 16.21          | Vertical |
| 3                   | 4218.8109      | 51.51            | -61.20         | -25.00         | 36.20          | Vertical |
| 4                   | 7968.9985      | 52.10            | -49.84         | -25.00         | 24.84          | Vertical |
| 5                   | 12403.220      | 45.29            | -48.86         | -25.00         | 23.86          | Vertical |
| 6                   | 17984.249      | 47.07            | -46.48         | -25.00         | 21.48          | Vertical |



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### 7.3. Test Band = \_7\_TM1

#### 7.3.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 1189.5095      | 27.42            | -43.09         | -25.00         | 18.09          | Horizontal |
| 2                   | 2998.7999      | 29.31            | -35.18         | -25.00         | 10.18          | Horizontal |
| 3                   | 3281.2641      | 56.09            | -60.25         | -25.00         | 35.25          | Horizontal |
| 4                   | 7380.2190      | 48.72            | -54.30         | -25.00         | 29.30          | Horizontal |
| 5                   | 12716.735      | 44.54            | -48.88         | -25.00         | 23.88          | Horizontal |
| 6                   | 17991.749      | 47.28            | -46.43         | -25.00         | 21.43          | Horizontal |



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#### 7.4. Test Band = \_7\_TM1

##### 7.4.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 1185.3093      | 27.65            | -42.90         | -25.00         | 17.90          | Vertical |
| 2                   | 1718.4359      | 27.88            | -42.26         | -25.00         | 17.26          | Vertical |
| 3                   | 2998.4999      | 29.59            | -34.91         | -25.00         | 9.91           | Vertical |
| 4                   | 4843.5922      | 51.23            | -59.24         | -25.00         | 34.24          | Vertical |
| 5                   | 7968.9985      | 51.29            | -50.65         | -25.00         | 25.65          | Vertical |
| 6                   | 17987.999      | 47.27            | -46.36         | -25.00         | 21.36          | Vertical |



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## 7.5. Test Band = \_7\_TM1

### 7.5.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 1259.9130      | 27.00            | -43.32         | -25.00         | 18.32          | Horizontal |
| 2                   | 2999.0000      | 29.62            | -34.86         | -25.00         | 9.86           | Horizontal |
| 3                   | 3281.2641      | 55.28            | -61.06         | -25.00         | 36.06          | Horizontal |
| 4                   | 5539.6270      | 49.78            | -58.13         | -25.00         | 33.13          | Horizontal |
| 5                   | 11178.4089     | 46.21            | -49.39         | -25.00         | 24.39          | Horizontal |
| 6                   | 17989.499      | 47.64            | -46.02         | -25.00         | 21.02          | Horizontal |



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## 7.6. Test Band = \_7\_TM1

### 7.6.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 1255.7128      | 27.69            | -42.81         | -25.00         | 17.81          | Vertical |
| 2                   | 2995.2998      | 29.53            | -35.07         | -25.00         | 10.07          | Vertical |
| 3                   | 4531.5766      | 51.45            | -60.38         | -25.00         | 35.38          | Vertical |
| 4                   | 7968.9985      | 50.75            | -51.19         | -25.00         | 26.19          | Vertical |
| 5                   | 12775.988      | 44.41            | -48.68         | -25.00         | 23.68          | Vertical |
| 6                   | 17987.999      | 47.24            | -46.39         | -25.00         | 21.39          | Vertical |

#### Remark:

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



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band  | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | VL            | NT               | -3.50          | -0.001394       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | VN            | NT               | -1.40          | -0.000558       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | VH            | NT               | 8.30           | 0.003307        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | VL            | NT               | 12.00          | 0.004734        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | VN            | NT               | 10.30          | 0.004063        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | VH            | NT               | 1.80           | 0.000710        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | VL            | NT               | 17.40          | 0.006797        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | VN            | NT               | 4.10           | 0.001602        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | VH            | NT               | 18.60          | 0.007266        | ±2.5        | PASS    |



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## 8.2. Frequency Vs Temperature

| Band  | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | -30              | 12.50          | 0.004980        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | -20              | -1.80          | -0.000717       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | -10              | 13.60          | 0.005418        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 0                | 10.00          | 0.003984        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 10               | 20.10          | 0.008008        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 20               | 12.10          | 0.004821        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 30               | -8.20          | -0.003267       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 40               | 13.40          | 0.005339        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0      | NV            | 50               | 15.10          | 0.006016        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | -30              | 1.40           | 0.000552        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | -20              | 14.90          | 0.005878        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | -10              | 11.10          | 0.004379        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 0                | 6.80           | 0.002682        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 10               | -5.70          | -0.002249       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 20               | -16.50         | -0.006509       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 30               | -9.70          | -0.003826       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 40               | -5.40          | -0.002130       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0      | NV            | 50               | -7.30          | -0.002880       | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | -30              | 13.50          | 0.005273        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | -20              | 1.30           | 0.000508        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | -10              | 17.20          | 0.006719        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | 0                | 20.60          | 0.008047        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | 10               | 10.90          | 0.004258        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | 20               | -5.90          | -0.002305       | ±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            | 40               | 14.40          | 0.005625        | ±2.5        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0      | NV            | 50               | 17.30          | 0.006758        | ±2.5        | PASS    |



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