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# Appendix B.47

## LTE CA\_42C (3450-3550)



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**Effective (Isotropic) Radiated Power Output Data****Test Result**

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Result (dBm) | EIRP(dBm) | Limit (dBm) | Verdict |
|-------|-------------|---------------|-------------|------------------|--------------|-----------|-------------|---------|
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42145-42289 | 1RB#0-0RB#0      | 25.63        | 19.53     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42145-42289 | 50RB#0-100RB#0   | 24.78        | 18.68     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42496-42640 | 1RB#0-0RB#0      | 25.45        | 19.35     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42496-42640 | 50RB#0-100RB#0   | 24.32        | 18.22     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42846-42990 | 1RB#0-0RB#0      | 25.69        | 19.59     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42846-42990 | 50RB#0-100RB#0   | 24.47        | 18.37     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42145-42289 | 1RB#0-0RB#0      | 24.71        | 18.61     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42145-42289 | 50RB#0-100RB#0   | 23.62        | 17.52     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42496-42640 | 1RB#0-0RB#0      | 24.36        | 18.26     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42496-42640 | 50RB#0-100RB#0   | 23.40        | 17.30     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42846-42990 | 1RB#0-0RB#0      | 24.53        | 18.43     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42846-42990 | 50RB#0-100RB#0   | 23.46        | 17.36     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42145-42289 | 1RB#0-0RB#0      | 23.71        | 17.61     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42145-42289 | 50RB#0-100RB#0   | 23.43        | 17.33     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42496-42640 | 1RB#0-0RB#0      | 23.56        | 17.46     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42496-42640 | 50RB#0-100RB#0   | 23.40        | 17.30     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42846-42990 | 1RB#0-0RB#0      | 23.65        | 17.55     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42846-42990 | 50RB#0-100RB#0   | 23.61        | 17.51     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42145-42289 | 1RB#0-0RB#0      | 20.79        | 14.69     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42145-42289 | 50RB#0-100RB#0   | 21.65        | 15.55     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42496-42640 | 1RB#0-0RB#0      | 20.61        | 14.51     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42496-42640 | 50RB#0-100RB#0   | 21.38        | 15.28     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42846-42990 | 1RB#0-0RB#0      | 20.56        | 14.46     | 30          | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42846-42990 | 50RB#0-100RB#0   | 21.56        | 15.46     | 30          | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42168-42339 | 1RB#0-0RB#0      | 25.72        | 19.62     | 30          | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42168-42339 | 75RB#0-100RB#0   | 24.54        | 18.44     | 30          | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42493-42664 | 1RB#0-0RB#0      | 25.40        | 19.30     | 30          | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42493-42664 | 75RB#0-100RB#0   | 24.46        | 18.36     | 30          | PASS    |



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| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42819-42990 | 1RB#0-0RB#0    | 25.54 | 19.44 | 30 | PASS |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42819-42990 | 75RB#0-100RB#0 | 24.38 | 18.28 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42168-42339 | 1RB#0-0RB#0    | 24.49 | 18.39 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42168-42339 | 75RB#0-100RB#0 | 23.47 | 17.37 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42493-42664 | 1RB#0-0RB#0    | 24.31 | 18.21 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42493-42664 | 75RB#0-100RB#0 | 23.41 | 17.31 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42819-42990 | 1RB#0-0RB#0    | 24.42 | 18.32 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42819-42990 | 75RB#0-100RB#0 | 23.55 | 17.45 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42168-42339 | 1RB#0-0RB#0    | 23.72 | 17.62 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42168-42339 | 75RB#0-100RB#0 | 23.15 | 17.05 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42493-42664 | 1RB#0-0RB#0    | 23.47 | 17.37 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42493-42664 | 75RB#0-100RB#0 | 23.37 | 17.27 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42819-42990 | 1RB#0-0RB#0    | 23.45 | 17.35 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42819-42990 | 75RB#0-100RB#0 | 23.49 | 17.39 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42168-42339 | 1RB#0-0RB#0    | 22.03 | 15.93 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42168-42339 | 75RB#0-100RB#0 | 21.42 | 15.32 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42493-42664 | 1RB#0-0RB#0    | 21.71 | 15.61 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42493-42664 | 75RB#0-100RB#0 | 21.26 | 15.16 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42819-42990 | 1RB#0-0RB#0    | 20.56 | 14.46 | 30 | PASS |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42819-42990 | 75RB#0-100RB#0 | 21.55 | 15.45 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42190-42334 | 100RB#0-50RB#0 | 24.61 | 18.51 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42190-42334 | 1RB#0-0RB#0    | 25.68 | 19.58 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42541-42685 | 100RB#0-50RB#0 | 24.38 | 18.28 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42541-42685 | 1RB#0-0RB#0    | 25.38 | 19.28 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42891-43035 | 100RB#0-50RB#0 | 24.37 | 18.27 | 30 | PASS |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42891-43035 | 1RB#0-0RB#0    | 25.63 | 19.53 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42190-42334 | 100RB#0-50RB#0 | 23.40 | 17.30 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42190-42334 | 1RB#0-0RB#0    | 24.69 | 18.59 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42541-42685 | 100RB#0-50RB#0 | 23.47 | 17.37 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42541-42685 | 1RB#0-0RB#0    | 24.49 | 18.39 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42891-43035 | 100RB#0-50RB#0 | 23.54 | 17.44 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42891-43035 | 1RB#0-0RB#0    | 24.45 | 18.35 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42190-42334 | 100RB#0-50RB#0 | 23.69 | 17.59 | 30 | PASS |



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| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42190-42334 | 1RB#0-0RB#0    | 23.80 | 17.70 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42541-42685 | 100RB#0-50RB#0 | 23.53 | 17.43 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42541-42685 | 1RB#0-0RB#0    | 23.60 | 17.50 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42891-43035 | 100RB#0-50RB#0 | 23.40 | 17.30 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42891-43035 | 1RB#0-0RB#0    | 23.70 | 17.60 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42190-42334 | 100RB#0-50RB#0 | 21.44 | 15.34 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42190-42334 | 1RB#0-0RB#0    | 20.45 | 14.35 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42541-42685 | 100RB#0-50RB#0 | 21.38 | 15.28 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42541-42685 | 1RB#0-0RB#0    | 20.63 | 14.53 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42891-43035 | 100RB#0-50RB#0 | 21.59 | 15.49 | 30 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42891-43035 | 1RB#0-0RB#0    | 20.44 | 14.34 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42190-42361 | 100RB#0-75RB#0 | 24.44 | 18.34 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42190-42361 | 1RB#0-0RB#0    | 25.62 | 19.52 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42516-42687 | 100RB#0-75RB#0 | 24.46 | 18.36 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42516-42687 | 1RB#0-0RB#0    | 25.52 | 19.42 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42841-43012 | 100RB#0-75RB#0 | 24.44 | 18.34 | 30 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42841-43012 | 1RB#0-0RB#0    | 25.45 | 19.35 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42190-42361 | 100RB#0-75RB#0 | 23.42 | 17.32 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42190-42361 | 1RB#0-0RB#0    | 24.44 | 18.34 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42516-42687 | 100RB#0-75RB#0 | 23.40 | 17.30 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42516-42687 | 1RB#0-0RB#0    | 24.31 | 18.21 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42841-43012 | 100RB#0-75RB#0 | 23.55 | 17.45 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42841-43012 | 1RB#0-0RB#0    | 24.31 | 18.21 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42190-42361 | 100RB#0-75RB#0 | 23.42 | 17.32 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42190-42361 | 1RB#0-0RB#0    | 23.80 | 17.70 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42516-42687 | 100RB#0-75RB#0 | 23.40 | 17.30 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42516-42687 | 1RB#0-0RB#0    | 23.44 | 17.34 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42841-43012 | 100RB#0-75RB#0 | 23.48 | 17.38 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42841-43012 | 1RB#0-0RB#0    | 23.74 | 17.64 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42190-42361 | 100RB#0-75RB#0 | 21.50 | 15.40 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42190-42361 | 1RB#0-0RB#0    | 20.63 | 14.53 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42516-42687 | 100RB#0-75RB#0 | 21.48 | 15.38 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42516-42687 | 1RB#0-0RB#0    | 20.53 | 14.43 | 30 | PASS |



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| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42841-43012 | 100RB#0-75RB#0  | 21.36 | 15.26 | 30 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42841-43012 | 1RB#0-0RB#0     | 20.53 | 14.43 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42190-42388 | 100RB#0-100RB#0 | 24.47 | 18.37 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42190-42388 | 1RB#0-0RB#0     | 25.67 | 19.57 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42491-42689 | 100RB#0-100RB#0 | 24.40 | 18.30 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42491-42689 | 1RB#0-0RB#0     | 25.54 | 19.44 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42792-42990 | 100RB#0-100RB#0 | 24.54 | 18.44 | 30 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42792-42990 | 1RB#0-0RB#0     | 25.48 | 19.38 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42190-42388 | 100RB#0-100RB#0 | 23.49 | 17.39 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42190-42388 | 1RB#0-0RB#0     | 24.55 | 18.45 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42491-42689 | 100RB#0-100RB#0 | 23.44 | 17.34 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42491-42689 | 1RB#0-0RB#0     | 24.46 | 18.36 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42792-42990 | 100RB#0-100RB#0 | 23.41 | 17.31 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42792-42990 | 1RB#0-0RB#0     | 24.29 | 18.19 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42190-42388 | 100RB#0-100RB#0 | 23.39 | 17.29 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42190-42388 | 1RB#0-0RB#0     | 23.61 | 17.51 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42491-42689 | 100RB#0-100RB#0 | 23.40 | 17.30 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42491-42689 | 1RB#0-0RB#0     | 23.61 | 17.51 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42792-42990 | 100RB#0-100RB#0 | 23.58 | 17.48 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42792-42990 | 1RB#0-0RB#0     | 23.60 | 17.50 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42190-42388 | 100RB#0-100RB#0 | 21.47 | 15.37 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42190-42388 | 1RB#0-0RB#0     | 20.40 | 14.30 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42491-42689 | 100RB#0-100RB#0 | 21.33 | 15.23 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42491-42689 | 1RB#0-0RB#0     | 20.37 | 14.27 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42792-42990 | 100RB#0-100RB#0 | 21.56 | 15.46 | 30 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42792-42990 | 1RB#0-0RB#0     | 20.60 | 14.50 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42190-42307 | 100RB#0-25RB#0  | 24.74 | 18.64 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42190-42307 | 1RB#0-0RB#0     | 25.65 | 19.55 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42565-42682 | 100RB#0-25RB#0  | 24.33 | 18.23 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42565-42682 | 1RB#0-0RB#0     | 25.44 | 19.34 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42940-43057 | 100RB#0-25RB#0  | 24.45 | 18.35 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42940-43057 | 1RB#0-0RB#0     | 25.56 | 19.46 | 30 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42940-43507 | 1RB#0-0RB#0     | 23.57 | 17.47 | 30 | PASS |



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|       |            |               |             |                |       |       |    |      |
|-------|------------|---------------|-------------|----------------|-------|-------|----|------|
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42190-42307 | 100RB#0-25RB#0 | 24.54 | 18.44 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42190-42307 | 1RB#0-0RB#0    | 23.46 | 17.36 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42565-42682 | 100RB#0-25RB#0 | 24.57 | 18.47 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42565-42682 | 1RB#0-0RB#0    | 23.43 | 17.33 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42940-43057 | 100RB#0-25RB#0 | 24.67 | 18.57 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42940-43057 | 1RB#0-0RB#0    | 23.61 | 17.51 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 16QAM-16QAM   | 42940-43507 | 1RB#0-0RB#0    | 23.68 | 17.58 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42190-42307 | 100RB#0-25RB#0 | 23.32 | 17.22 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42190-42307 | 1RB#0-0RB#0    | 23.48 | 17.38 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42565-42682 | 100RB#0-25RB#0 | 23.56 | 17.46 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42565-42682 | 1RB#0-0RB#0    | 23.83 | 17.73 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42940-43057 | 100RB#0-25RB#0 | 21.50 | 15.40 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 42940-43057 | 1RB#0-0RB#0    | 20.76 | 14.66 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42190-42307 | 100RB#0-25RB#0 | 21.57 | 15.47 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42190-42307 | 1RB#0-0RB#0    | 20.56 | 14.46 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42565-42682 | 100RB#0-25RB#0 | 21.58 | 15.48 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42565-42682 | 1RB#0-0RB#0    | 20.46 | 14.36 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42940-43057 | 100RB#0-25RB#0 | 25.58 | 19.48 | 30 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42940-43057 | 1RB#0-0RB#0    | 23.31 | 17.21 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42123-42240 | 1RB#0-0RB#0    | 25.42 | 19.32 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42123-42240 | 50RB#0-100RB#0 | 22.98 | 16.88 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42498-42615 | 1RB#0-0RB#0    | 25.64 | 19.54 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42498-42615 | 50RB#0-100RB#0 | 22.92 | 16.82 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42873-42990 | 1RB#0-0RB#0    | 24.66 | 18.56 | 30 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42873-42990 | 50RB#0-100RB#0 | 22.99 | 16.89 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42123-42240 | 1RB#0-0RB#0    | 24.47 | 18.37 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42123-42240 | 50RB#0-100RB#0 | 22.76 | 16.66 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42498-42615 | 1RB#0-0RB#0    | 24.43 | 18.33 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42498-42615 | 50RB#0-100RB#0 | 22.95 | 16.85 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42873-42990 | 1RB#0-0RB#0    | 24.60 | 18.50 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42873-42990 | 50RB#0-100RB#0 | 23.41 | 17.31 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42123-42240 | 1RB#0-0RB#0    | 23.57 | 17.47 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42123-42240 | 50RB#0-100RB#0 | 22.90 | 16.80 | 30 | PASS |



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|       |            |               |             |                |       |       |    |      |
|-------|------------|---------------|-------------|----------------|-------|-------|----|------|
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42498-42615 | 1RB#0-0RB#0    | 23.58 | 17.48 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42498-42615 | 50RB#0-100RB#0 | 22.98 | 16.88 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42873-42990 | 1RB#0-0RB#0    | 20.54 | 14.44 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42873-42990 | 50RB#0-100RB#0 | 21.00 | 14.90 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42123-42240 | 1RB#0-0RB#0    | 20.42 | 14.32 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42123-42240 | 50RB#0-100RB#0 | 20.94 | 14.84 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42498-42615 | 1RB#0-0RB#0    | 20.54 | 14.44 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42498-42615 | 50RB#0-100RB#0 | 21.06 | 14.96 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42873-42990 | 1RB#0-0RB#0    | 25.74 | 19.64 | 30 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42873-42990 | 50RB#0-100RB#0 | 24.66 | 18.56 | 30 | PASS |



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**Peak-to-Average Ratio(CCDF)****Test Result**

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|-------|-------------|---------------|-------------|------------------|-------------|------------|---------|
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42190-42388 | 100RB#0-100RB#0  | 11.62       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42491-42689 | 100RB#0-100RB#0  | 11.64       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42792-42990 | 100RB#0-100RB#0  | 11.64       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42190-42388 | 100RB#0-100RB#0  | 11.66       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42491-42689 | 100RB#0-100RB#0  | 11.62       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42792-42990 | 100RB#0-100RB#0  | 11.66       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42190-42388 | 100RB#0-100RB#0  | 11.76       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42491-42689 | 100RB#0-100RB#0  | 11.86       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42792-42990 | 100RB#0-100RB#0  | 11.66       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42190-42388 | 100RB#0-100RB#0  | 11.62       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42491-42689 | 100RB#0-100RB#0  | 11.66       | 13         | PASS    |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42792-42990 | 100RB#0-100RB#0  | 11.70       | 13         | PASS    |



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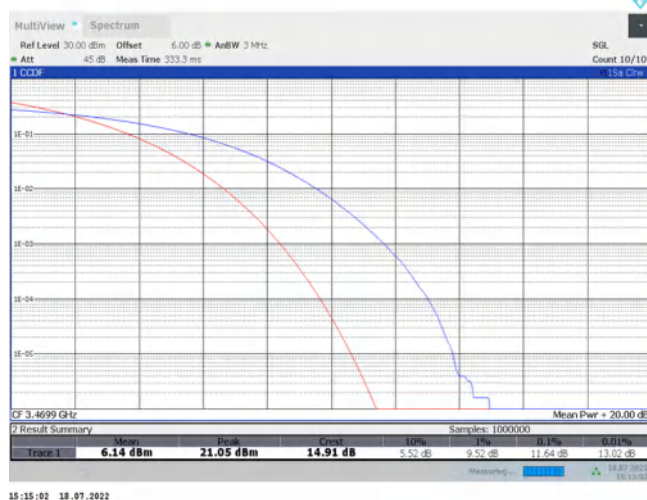
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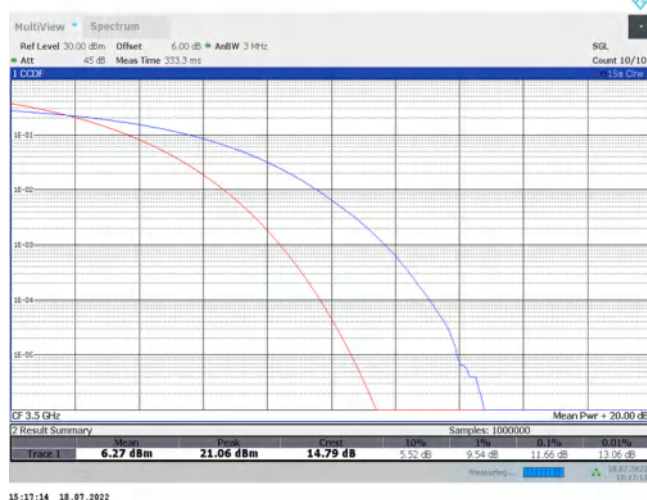
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### Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



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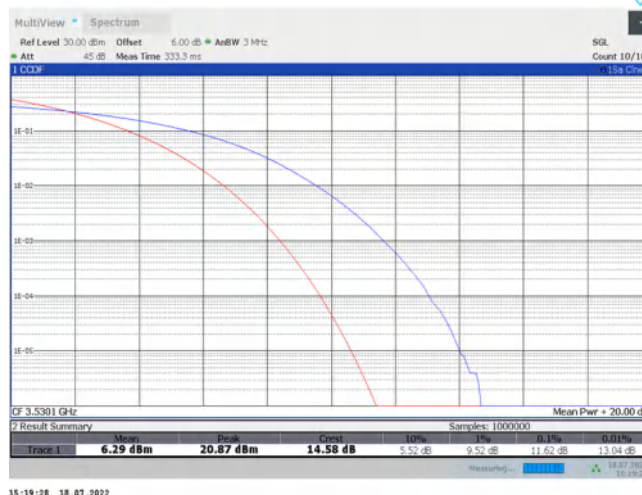
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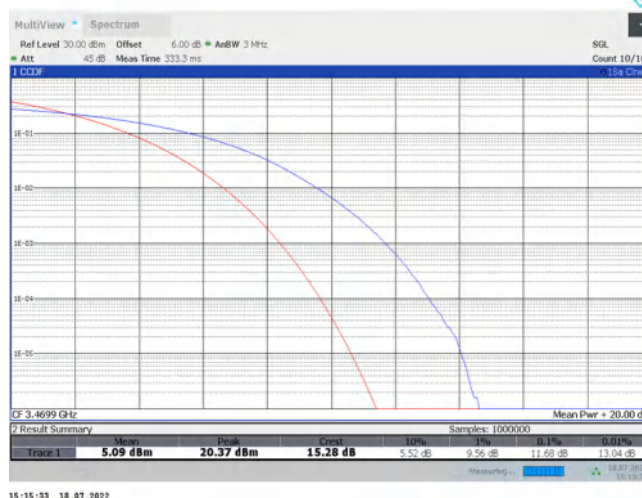
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### 42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



### 42-42-20MHz-20MHz-16QAM-16QAM-42190-42388-100RB#0-100RB#0



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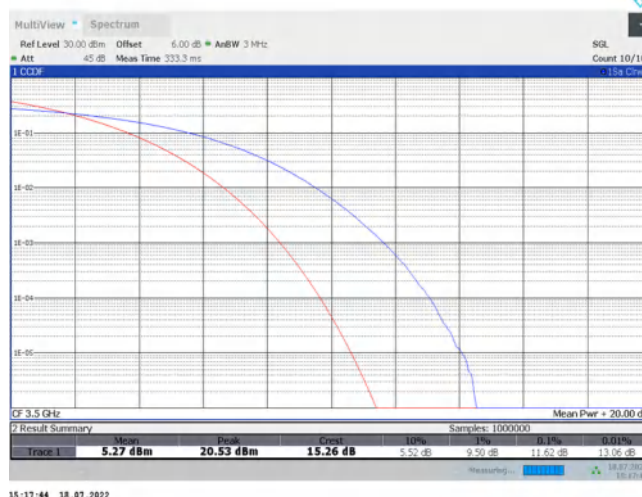
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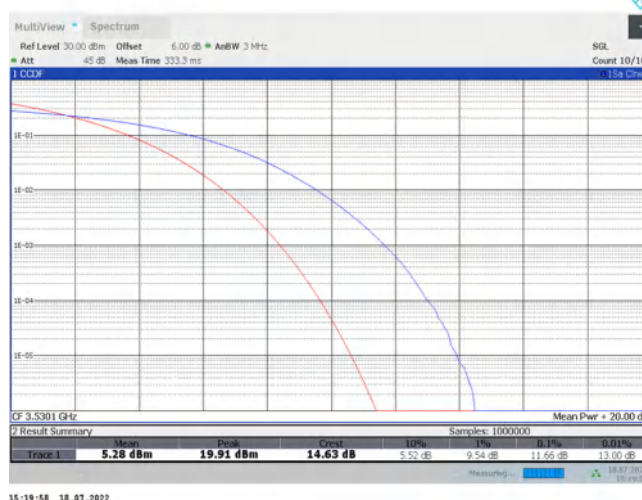
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### 42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



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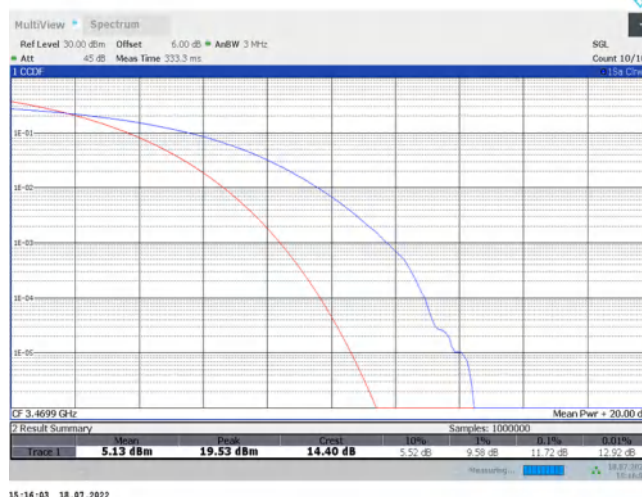


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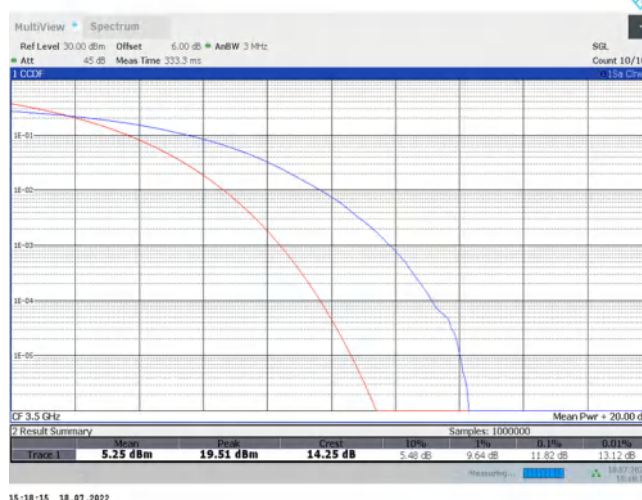
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### 42-42-20MHz-20MHz-64QAM-64QAM-42190-42388-100RB#0-100RB#0



### 42-42-20MHz-20MHz-64QAM-64QAM-42491-42689-100RB#0-100RB#0



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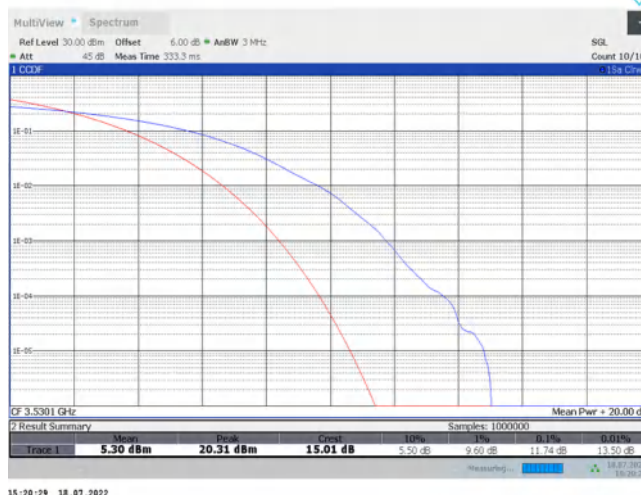


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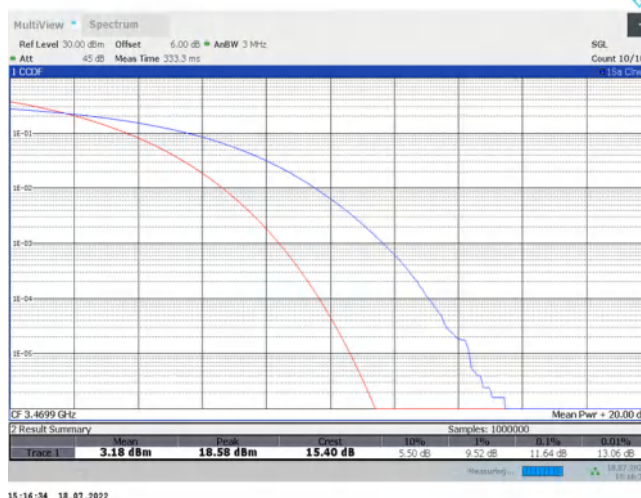
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### 42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



### 42-42-20MHz-20MHz-256QAM-256QAM-42190-42388-100RB#0-100RB#0



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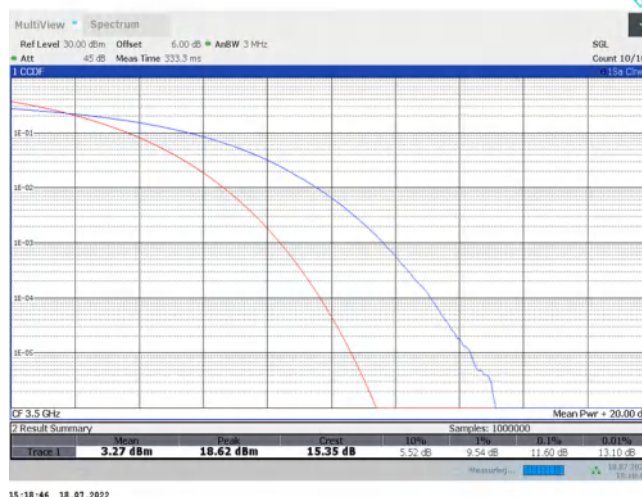
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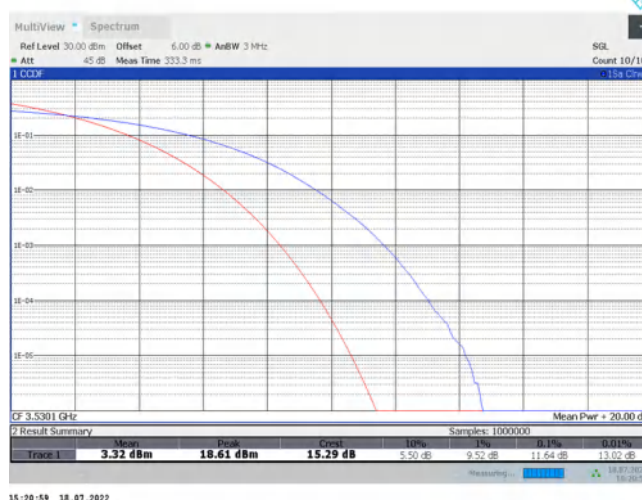
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### 42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



### 42-42-20MHz-20MHz-256QAM-256QAM-42792-42990-100RB#0-100RB#0



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## Modulation Characteristics

### Test Result

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Result(dB) | Verdict |
|-------|-------------|---------------|-------------|------------------|------------|---------|
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42491-42689 | 100RB#0-100RB#0  | 11.64      | PASS    |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42491-42689 | 100RB#0-100RB#0  | 11.62      | PASS    |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42491-42689 | 100RB#0-100RB#0  | 11.86      | PASS    |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42491-42689 | 100RB#0-100RB#0  | 11.66      | PASS    |



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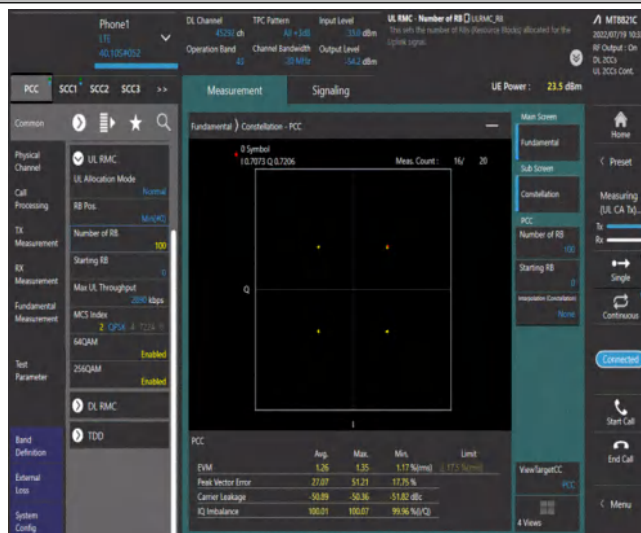
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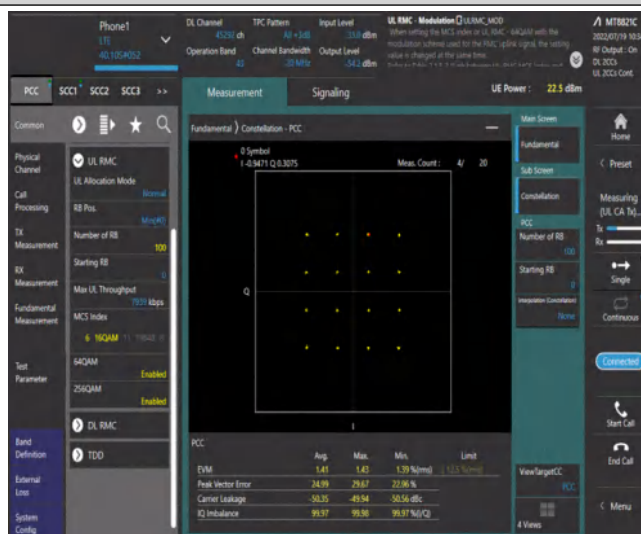
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## Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



42-42-20MHz-20MHz-16QAM-6QAM-42491-42689-100RB#0-100RB#0



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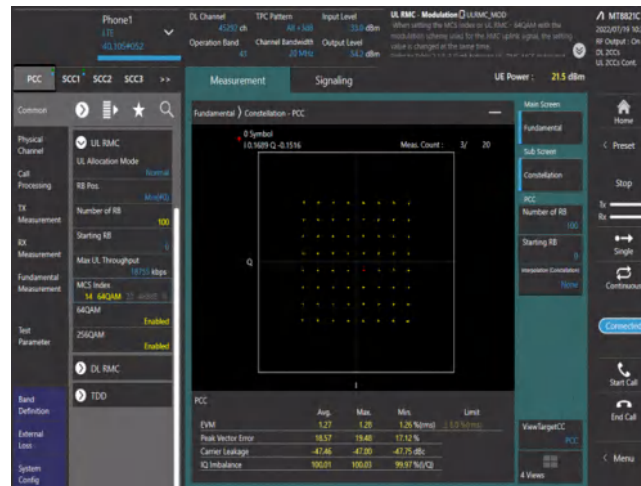


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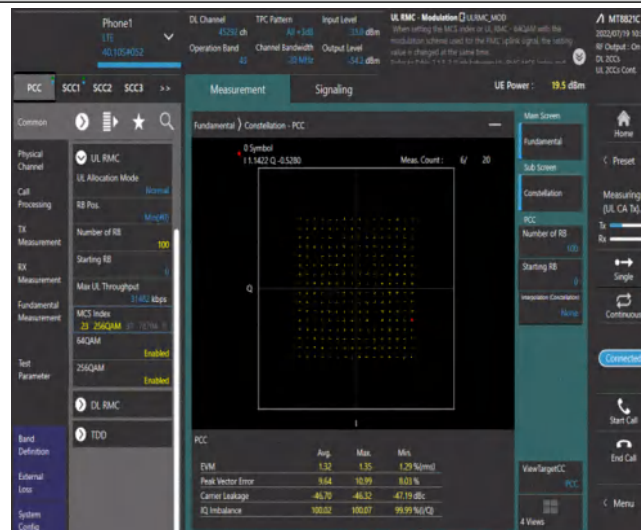
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### 42-42-20MHz-20MHz-64QAM-64QAM-42491-42689-100RB#0-100RB#0



### 42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth   | Modulation    | Channel     | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-------------|---------------|-------------|------------------|--------------------------|----------------------|---------|
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42145-42289 | 50RB#0-100RB#0   | 27.759                   | 30.00                | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42496-42640 | 50RB#0-100RB#0   | 27.679                   | 30.00                | PASS    |
| 42-42 | 10MHz-20MHz | QPSK-QPSK     | 42846-42990 | 50RB#0-100RB#0   | 27.654                   | 30.00                | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42145-42289 | 50RB#0-100RB#0   | 27.907                   | 33.47                | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42496-42640 | 50RB#0-100RB#0   | 27.912                   | 34.53                | PASS    |
| 42-42 | 10MHz-20MHz | 16QAM-16QAM   | 42846-42990 | 50RB#0-100RB#0   | 27.86                    | 32.53                | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42145-42289 | 50RB#0-100RB#0   | 27.906                   | 31.87                | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42496-42640 | 50RB#0-100RB#0   | 27.88                    | 32.93                | PASS    |
| 42-42 | 10MHz-20MHz | 64QAM-64QAM   | 42846-42990 | 50RB#0-100RB#0   | 27.921                   | 32.00                | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42145-42289 | 50RB#0-100RB#0   | 27.879                   | 32.53                | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42496-42640 | 50RB#0-100RB#0   | 27.857                   | 32.53                | PASS    |
| 42-42 | 10MHz-20MHz | 256QAM-256QAM | 42846-42990 | 50RB#0-100RB#0   | 27.841                   | 32.80                | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42168-42339 | 75RB#0-100RB#0   | 32.437                   | 35.07                | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42493-42664 | 75RB#0-100RB#0   | 32.54                    | 34.80                | PASS    |
| 42-42 | 15MHz-20MHz | QPSK-QPSK     | 42819-42990 | 75RB#0-100RB#0   | 32.625                   | 34.93                | PASS    |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42168-42339 | 75RB#0-100RB#0   | 32.631                   | 36.67                | PASS    |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42493-42664 | 75RB#0-100RB#0   | 32.645                   | 36.93                | PASS    |
| 42-42 | 15MHz-20MHz | 16QAM-16QAM   | 42819-42990 | 75RB#0-100RB#0   | 32.664                   | 37.60                | PASS    |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42168-42339 | 75RB#0-100RB#0   | 32.654                   | 36.93                | PASS    |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42493-42664 | 75RB#0-100RB#0   | 32.645                   | 37.87                | PASS    |
| 42-42 | 15MHz-20MHz | 64QAM-64QAM   | 42819-42990 | 75RB#0-100RB#0   | 32.602                   | 37.47                | PASS    |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42168-42339 | 75RB#0-100RB#0   | 32.737                   | 41.33                | PASS    |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42493-42664 | 75RB#0-100RB#0   | 32.617                   | 38.53                | PASS    |
| 42-42 | 15MHz-20MHz | 256QAM-256QAM | 42819-42990 | 75RB#0-100RB#0   | 32.651                   | 38.80                | PASS    |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42190-42334 | 100RB#0-50RB#0   | 27.825                   | 30.27                | PASS    |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42541-42685 | 100RB#0-50RB#0   | 27.78                    | 30.40                | PASS    |
| 42-42 | 20MHz-10MHz | QPSK-QPSK     | 42891-43035 | 100RB#0-50RB#0   | 27.792                   | 30.13                | PASS    |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42190-42334 | 100RB#0-50RB#0   | 27.953                   | 34.13                | PASS    |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42541-42685 | 100RB#0-50RB#0   | 27.963                   | 33.47                | PASS    |
| 42-42 | 20MHz-10MHz | 16QAM-16QAM   | 42891-43035 | 100RB#0-50RB#0   | 27.944                   | 34.00                | PASS    |



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|       |             |               |             |                 |        |       |      |
|-------|-------------|---------------|-------------|-----------------|--------|-------|------|
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42190-42334 | 100RB#0-50RB#0  | 28.008 | 36.00 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42541-42685 | 100RB#0-50RB#0  | 27.964 | 32.13 | PASS |
| 42-42 | 20MHz-10MHz | 64QAM-64QAM   | 42891-43035 | 100RB#0-50RB#0  | 27.981 | 33.87 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42190-42334 | 100RB#0-50RB#0  | 27.995 | 33.07 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42541-42685 | 100RB#0-50RB#0  | 28.038 | 34.00 | PASS |
| 42-42 | 20MHz-10MHz | 256QAM-256QAM | 42891-43035 | 100RB#0-50RB#0  | 27.98  | 32.93 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42190-42361 | 100RB#0-75RB#0  | 32.759 | 34.93 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42516-42687 | 100RB#0-75RB#0  | 32.667 | 35.07 | PASS |
| 42-42 | 20MHz-15MHz | QPSK-QPSK     | 42841-43012 | 100RB#0-75RB#0  | 32.535 | 37.60 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42190-42361 | 100RB#0-75RB#0  | 32.776 | 37.07 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42516-42687 | 100RB#0-75RB#0  | 32.779 | 37.47 | PASS |
| 42-42 | 20MHz-15MHz | 16QAM-16QAM   | 42841-43012 | 100RB#0-75RB#0  | 32.782 | 36.93 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42190-42361 | 100RB#0-75RB#0  | 32.709 | 37.73 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42516-42687 | 100RB#0-75RB#0  | 32.606 | 36.53 | PASS |
| 42-42 | 20MHz-15MHz | 64QAM-64QAM   | 42841-43012 | 100RB#0-75RB#0  | 32.7   | 38.13 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42190-42361 | 100RB#0-75RB#0  | 32.714 | 37.60 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42516-42687 | 100RB#0-75RB#0  | 32.755 | 39.33 | PASS |
| 42-42 | 20MHz-15MHz | 256QAM-256QAM | 42841-43012 | 100RB#0-75RB#0  | 32.735 | 38.67 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42190-42388 | 100RB#0-100RB#0 | 37.378 | 40.00 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42491-42689 | 100RB#0-100RB#0 | 37.339 | 40.00 | PASS |
| 42-42 | 20MHz-20MHz | QPSK-QPSK     | 42792-42990 | 100RB#0-100RB#0 | 37.382 | 40.40 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42190-42388 | 100RB#0-100RB#0 | 37.425 | 41.87 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42491-42689 | 100RB#0-100RB#0 | 37.472 | 42.53 | PASS |
| 42-42 | 20MHz-20MHz | 16QAM-16QAM   | 42792-42990 | 100RB#0-100RB#0 | 37.448 | 42.53 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42190-42388 | 100RB#0-100RB#0 | 37.564 | 43.73 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42491-42689 | 100RB#0-100RB#0 | 37.496 | 45.47 | PASS |
| 42-42 | 20MHz-20MHz | 64QAM-64QAM   | 42792-42990 | 100RB#0-100RB#0 | 37.478 | 43.07 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42190-42388 | 100RB#0-100RB#0 | 37.517 | 42.27 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42491-42689 | 100RB#0-100RB#0 | 37.553 | 43.73 | PASS |
| 42-42 | 20MHz-20MHz | 256QAM-256QAM | 42792-42990 | 100RB#0-100RB#0 | 37.473 | 41.73 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42190-42307 | 100RB#0-25RB#0  | 22.858 | 24.08 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 42940-43057 | 100RB#0-25RB#0  | 22.748 | 24.17 | PASS |
| 42-42 | 20MHz-5MHz  | QPSK-QPSK     | 45065-45182 | 100RB#0-25RB#0  | 22.741 | 24.25 | PASS |
| 42-42 | 20MHz-5MHz  | 16QAM-16QAM   | 42190-42307 | 100RB#0-25RB#0  | 22.845 | 25.92 | PASS |
| 42-42 | 20MHz-5MHz  | 16QAM-16QAM   | 42940-43057 | 100RB#0-25RB#0  | 22.886 | 26.42 | PASS |
| 42-42 | 20MHz-5MHz  | 16QAM-16QAM   | 45065-45182 | 100RB#0-25RB#0  | 22.881 | 26.17 | PASS |
| 42-42 | 20MHz-5MHz  | 64QAM-64QAM   | 42190-42307 | 100RB#0-25RB#0  | 22.878 | 25.67 | PASS |
| 42-42 | 20MHz-5MHz  | 64QAM-64QAM   | 42940-43057 | 100RB#0-25RB#0  | 22.853 | 25.83 | PASS |



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|       |            |               |             |                |        |       |      |
|-------|------------|---------------|-------------|----------------|--------|-------|------|
| 42-42 | 20MHz-5MHz | 64QAM-64QAM   | 45065-45182 | 100RB#0-25RB#0 | 22.906 | 26.83 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42190-42307 | 100RB#0-25RB#0 | 22.857 | 27.25 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 42940-43057 | 100RB#0-25RB#0 | 22.889 | 25.33 | PASS |
| 42-42 | 20MHz-5MHz | 256QAM-256QAM | 45065-45182 | 100RB#0-25RB#0 | 22.875 | 25.58 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42123-42240 | 25RB#0-100RB#0 | 22.6   | 24.00 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42498-42615 | 25RB#0-100RB#0 | 22.469 | 23.92 | PASS |
| 42-42 | 5MHz-20MHz | QPSK-QPSK     | 42873-42990 | 25RB#0-100RB#0 | 22.698 | 24.00 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42123-42240 | 25RB#0-100RB#0 | 22.663 | 25.17 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42498-42615 | 25RB#0-100RB#0 | 22.699 | 25.67 | PASS |
| 42-42 | 5MHz-20MHz | 16QAM-16QAM   | 42873-42990 | 25RB#0-100RB#0 | 22.679 | 25.50 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42123-42240 | 25RB#0-100RB#0 | 22.634 | 24.25 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42498-42615 | 25RB#0-100RB#0 | 22.631 | 24.83 | PASS |
| 42-42 | 5MHz-20MHz | 64QAM-64QAM   | 42873-42990 | 25RB#0-100RB#0 | 22.66  | 25.25 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42123-42240 | 25RB#0-100RB#0 | 22.647 | 25.17 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42498-42615 | 25RB#0-100RB#0 | 22.709 | 25.50 | PASS |
| 42-42 | 5MHz-20MHz | 256QAM-256QAM | 42873-42990 | 25RB#0-100RB#0 | 22.671 | 24.42 | PASS |



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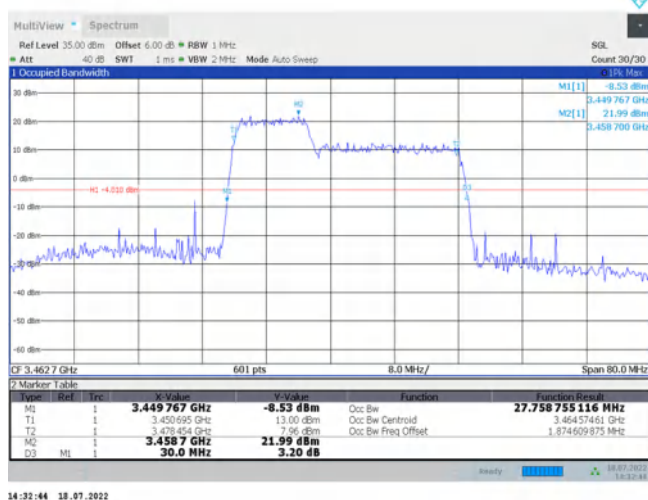
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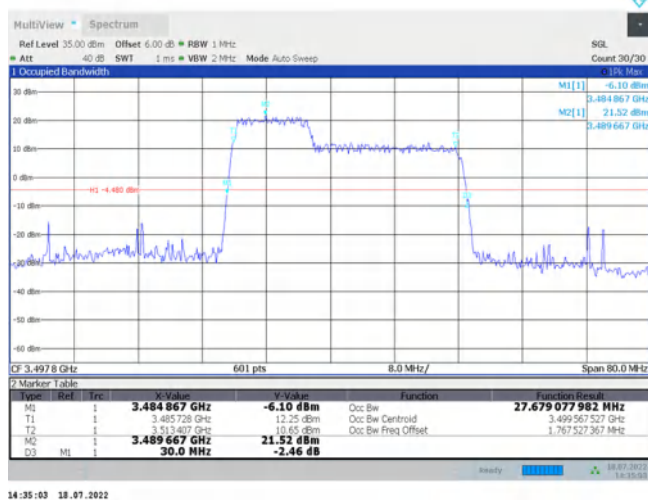
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### Test Graphs

#### 42-42-10MHz-20MHz-QPSK-QPSK-42145-42289-50RB#0-100RB#0



#### 42-42-10MHz-20MHz-QPSK-QPSK-42496-42640-50RB#0-100RB#0



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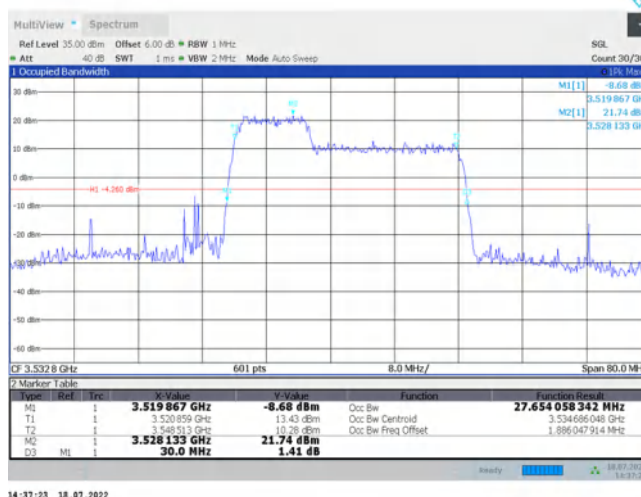
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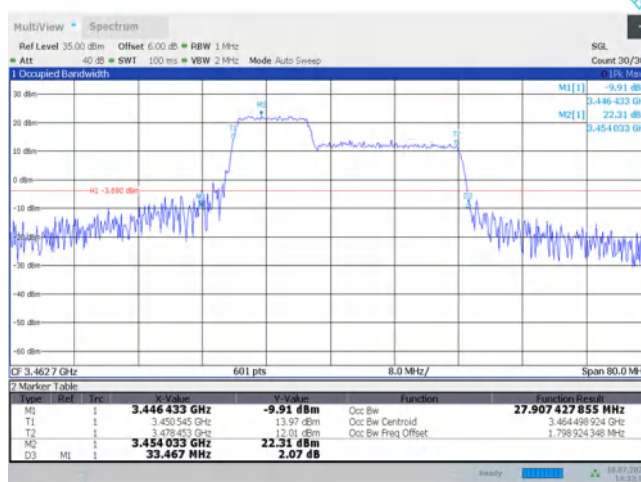
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### 42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-50RB#0-100RB#0



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### 42-42-10MHz-20MHz-16QAM-16QAM-42145-42289-50RB#0-100RB#0



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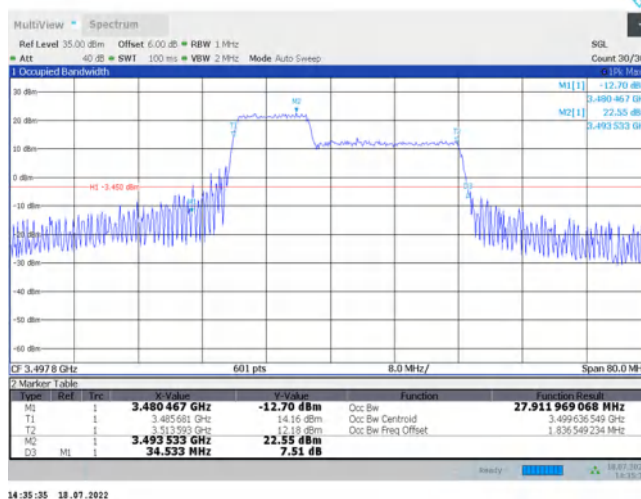
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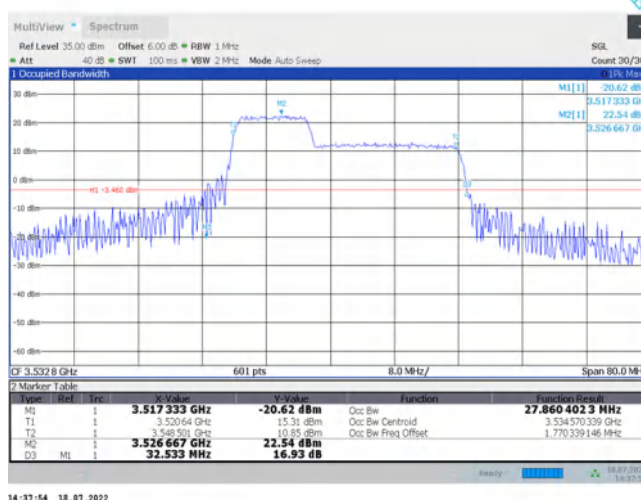
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### 42-42-10MHz-20MHz-16QAM-16QAM-42496-42640-50RB#0-100RB#0



### 42-42-10MHz-20MHz-16QAM-16QAM-42846-42990-50RB#0-100RB#0



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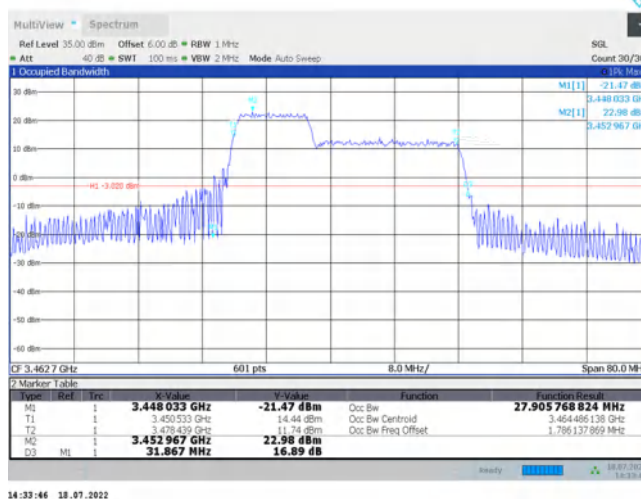
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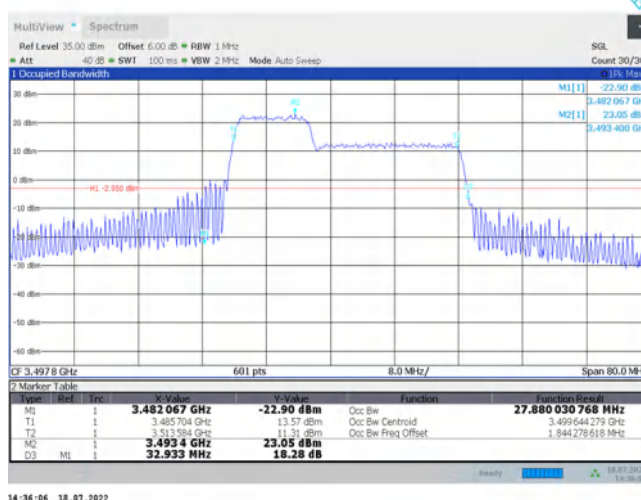
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### 42-42-10MHz-20MHz-64QAM-64QAM-42145-42289-50RB#0-100RB#0



### 42-42-10MHz-20MHz-64QAM-64QAM-42496-42640-50RB#0-100RB#0



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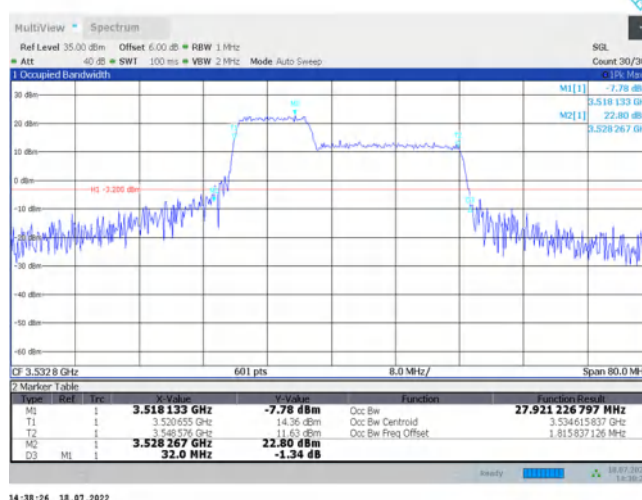


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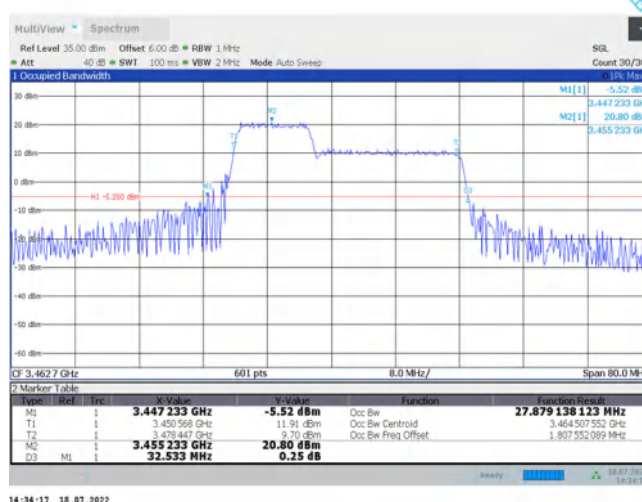
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### 42-42-10MHz-20MHz-64QAM-64QAM-42846-42990-50RB#0-100RB#0



### 42-42-10MHz-20MHz-256QAM-256QAM-42145-42289-50RB#0-100RB#0



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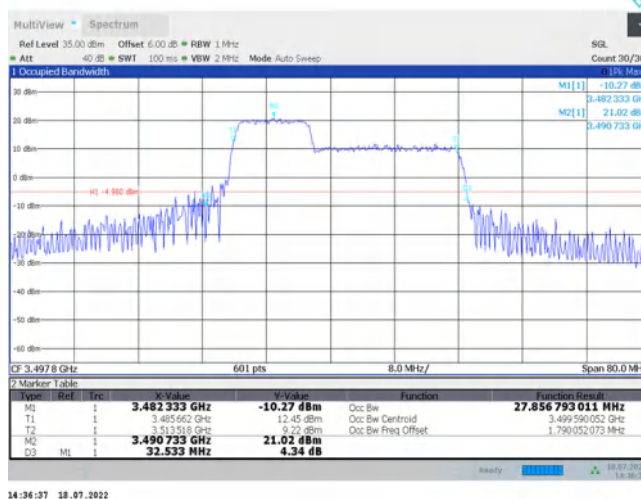
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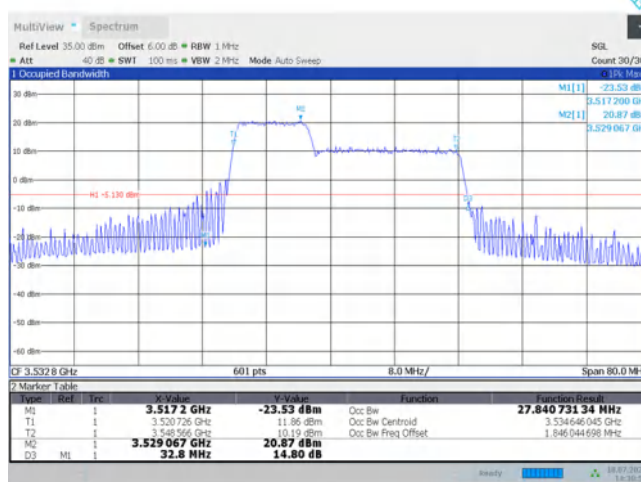
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### 42-42-10MHz-20MHz-256QAM-256QAM-42496-42640-50RB#0-100RB#0



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### 42-42-10MHz-20MHz-256QAM-256QAM-42846-42990-50RB#0-100RB#0



14:38:57 18.07.2022



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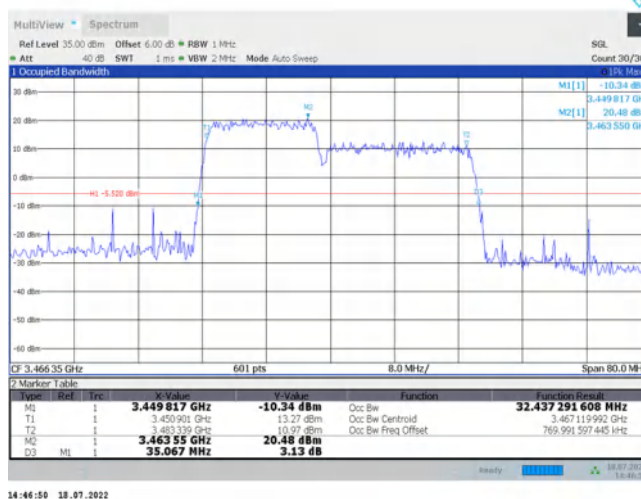
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### 42-42-15MHz-20MHz-QPSK-QPSK-42168-42339-75RB#0-100RB#0



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### 42-42-15MHz-20MHz-QPSK-QPSK-42493-42664-75RB#0-100RB#0



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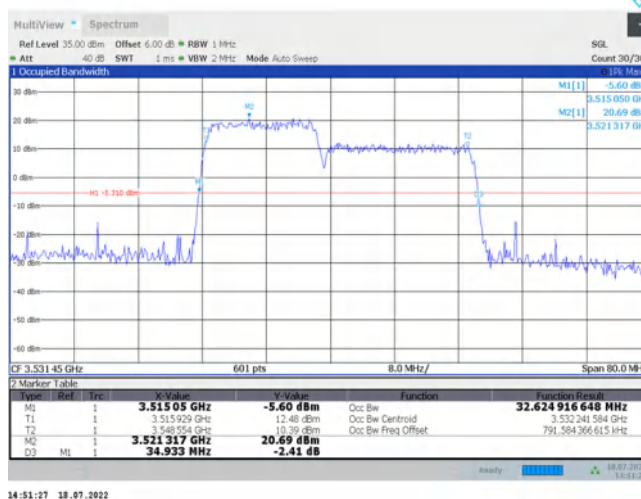
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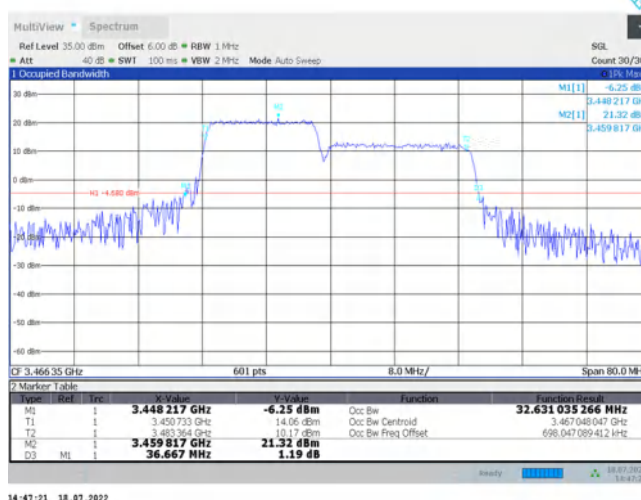
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### 42-42-15MHz-20MHz-16QAM-16QAM-42168-42339-75RB#0-100RB#0



14:47:21 18.07.2022



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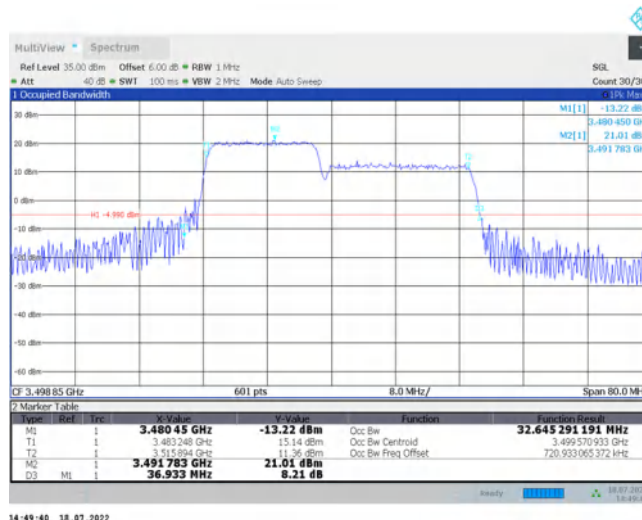


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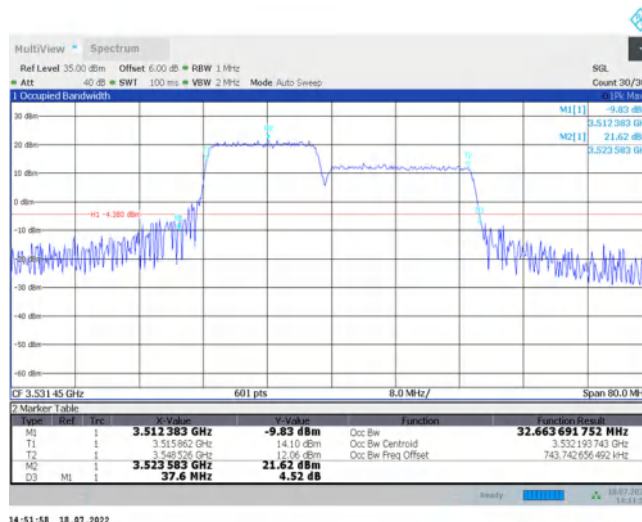
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### 42-42-15MHz-20MHz-16QAM-16QAM-42493-42664-75RB#0-100RB#0



### 42-42-15MHz-20MHz-16QAM-16QAM-42819-42990-75RB#0-100RB#0



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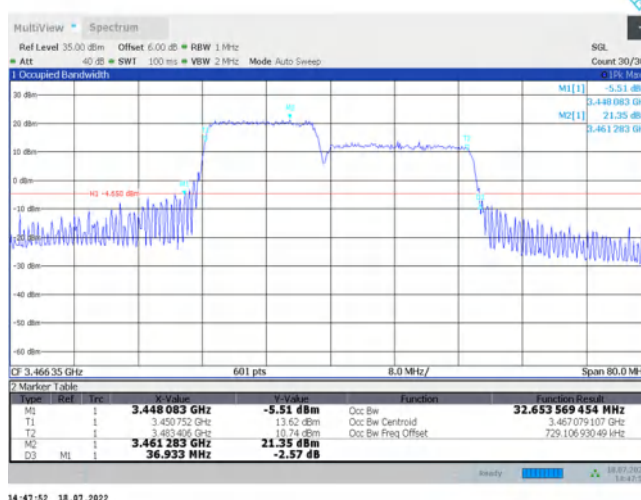
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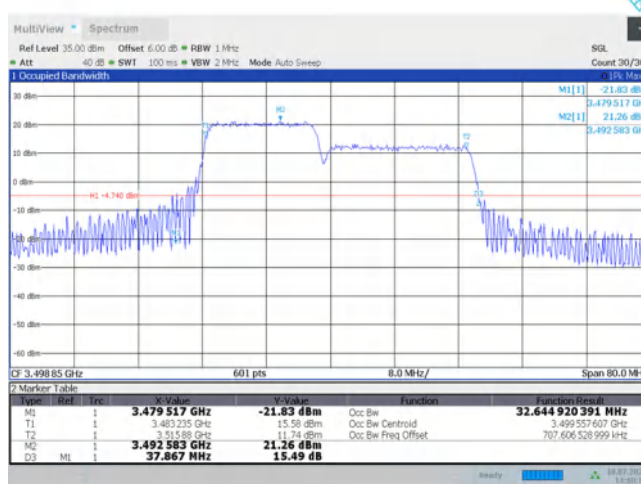
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### 42-42-15MHz-20MHz-64QAM-64QAM-42168-42339-75RB#0-100RB#0



14:47:52 18.07.2022

### 42-42-15MHz-20MHz-64QAM-64QAM-42493-42664-75RB#0-100RB#0



14:50:11 18.07.2022



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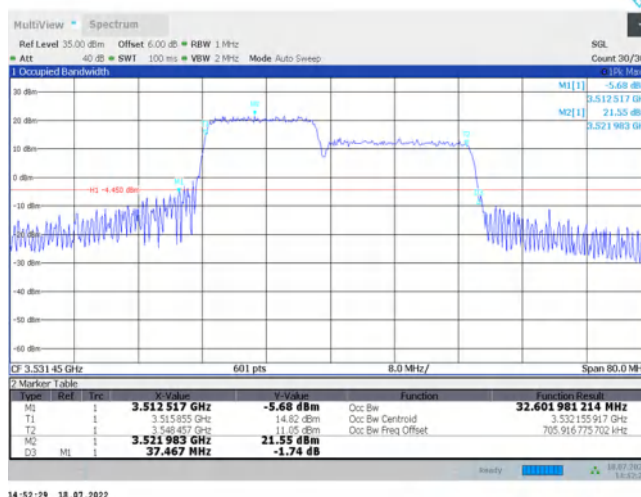
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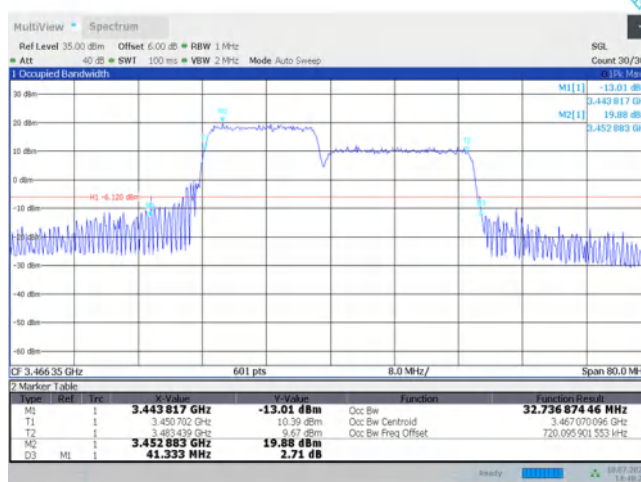
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### 42-42-15MHz-20MHz-64QAM-64QAM-42819-42990-75RB#0-100RB#0



14:52:29 18.07.2022

### 42-42-15MHz-20MHz-256QAM-256QAM-42168-42339-75RB#0-100RB#0



14:48:23 18.07.2022



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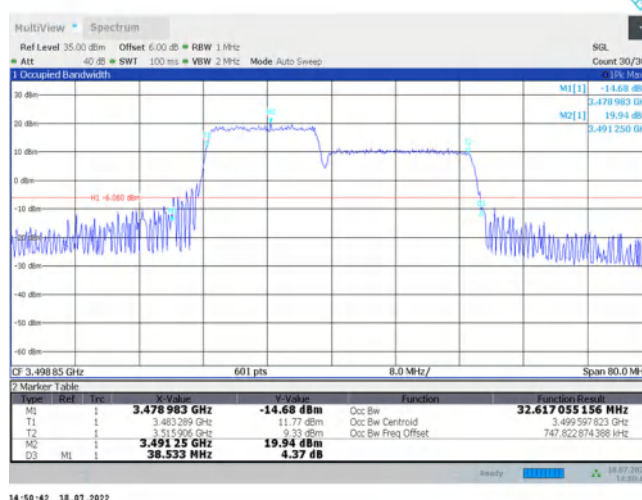
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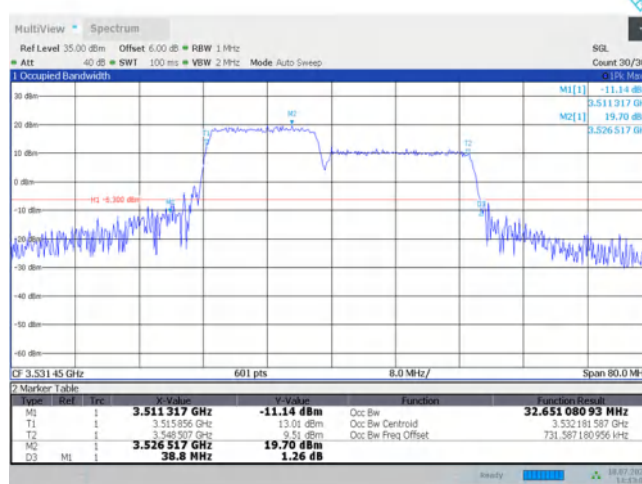
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### 42-42-15MHz-20MHz-256QAM-256QAM-42493-42664-75RB#0-100RB#0



14:50:42 18.07.2022

### 42-42-15MHz-20MHz-256QAM-256QAM-42819-42990-75RB#0-100RB#0



14:53:00 18.07.2022



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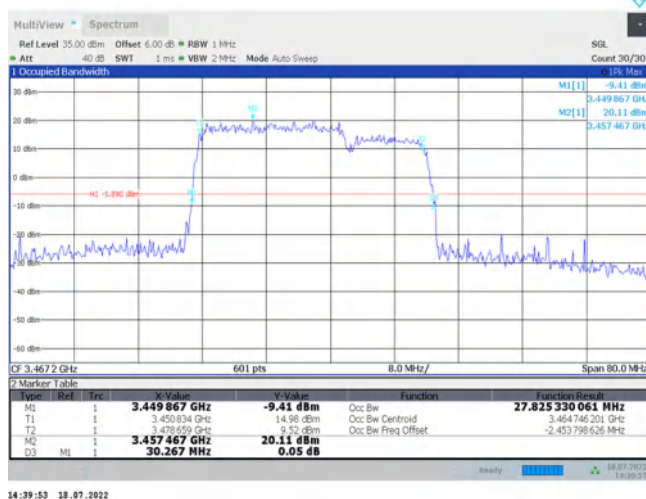


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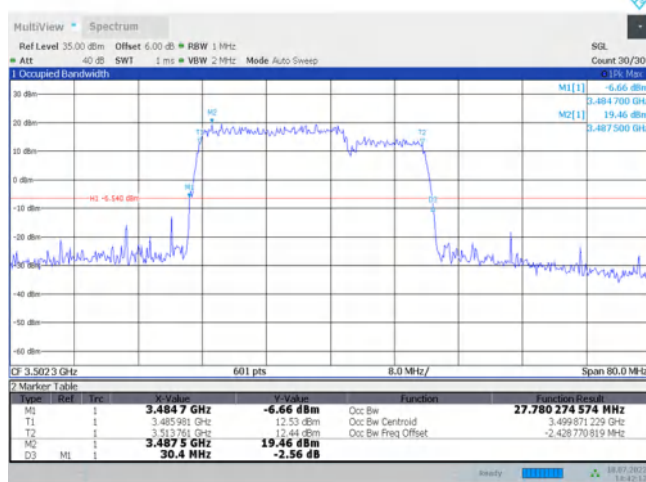
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### 42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



14:39:53 18.07.2022

### 42-42-20MHz-10MHz-QPSK-QPSK-42541-42685-100RB#0-50RB#0



14:42:12 18.07.2022



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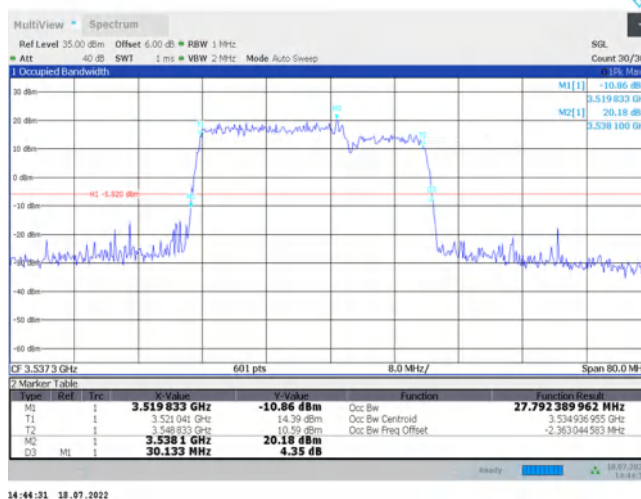
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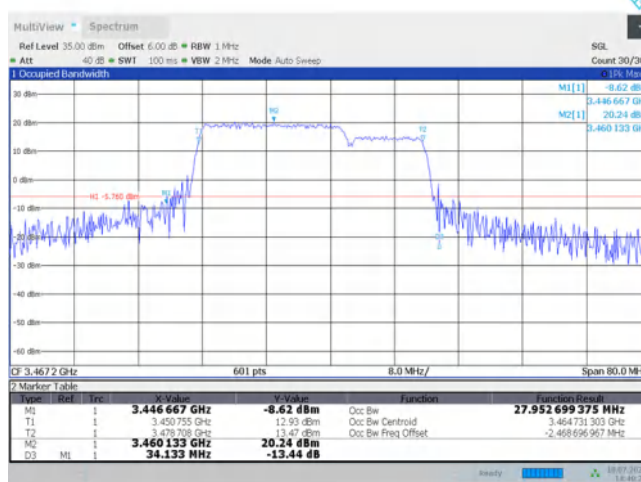
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### 42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



14:44:31 18.07.2022

### 42-42-20MHz-10MHz-16QAM-16QAM-42190-42334-100RB#0-50RB#0



14:49:24 18.07.2022



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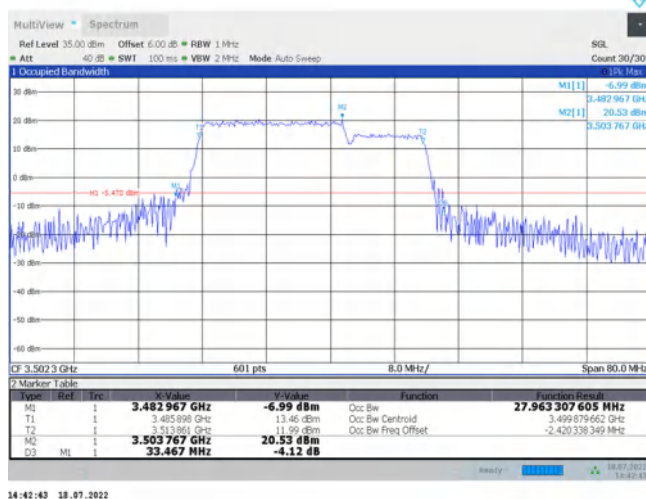
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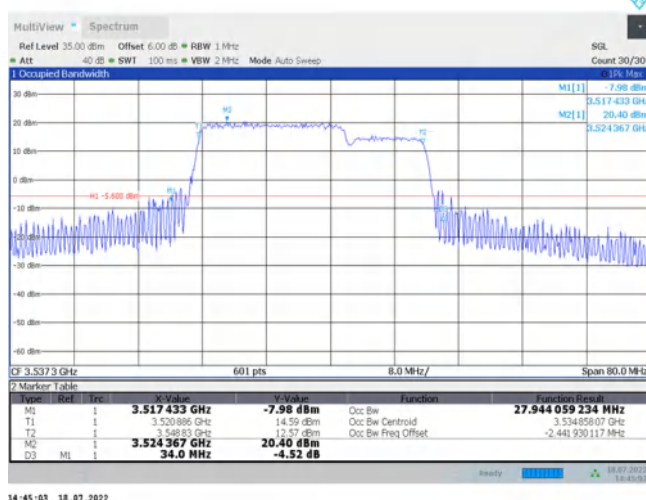
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42-42-20MHz-10MHz-16QAM-16QAM-42541-42685-100RB#0-50RB#0



42-42-20MHz-10MHz-16QAM-16QAM-42891-43035-100RB#0-50RB#0



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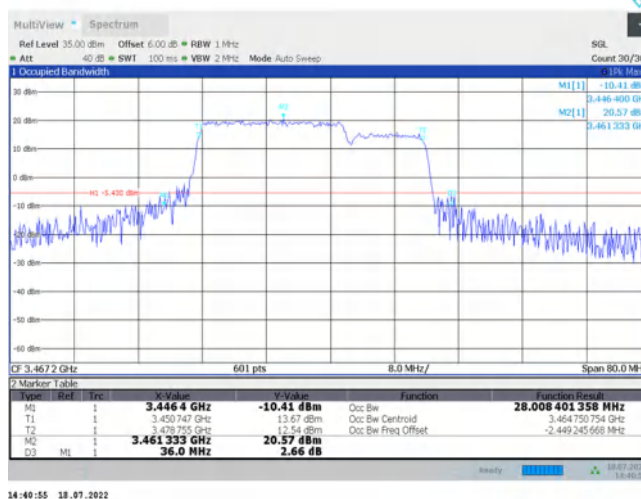
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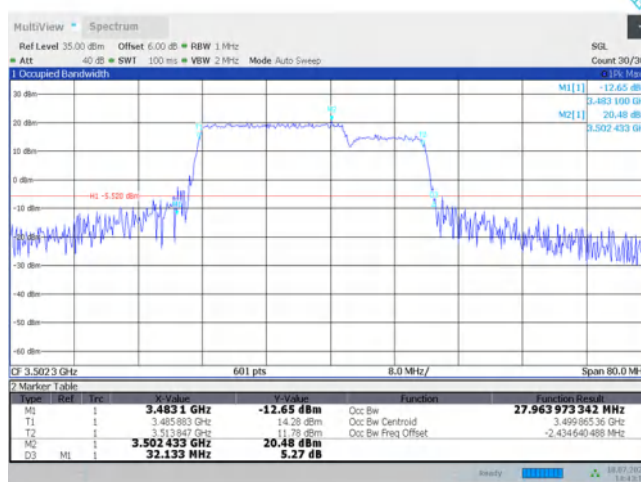
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### 42-42-20MHz-10MHz-64QAM-64QAM-42190-42334-100RB#0-50RB#0



14:40:55 18.07.2022

### 42-42-20MHz-10MHz-64QAM-64QAM-42541-42685-100RB#0-50RB#0



14:43:15 18.07.2022



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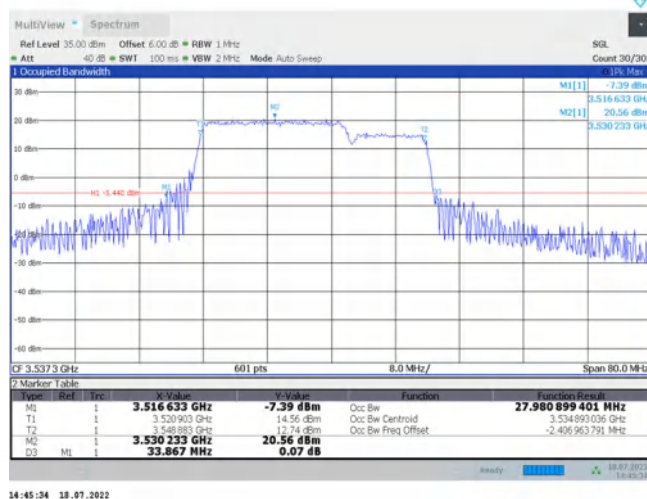


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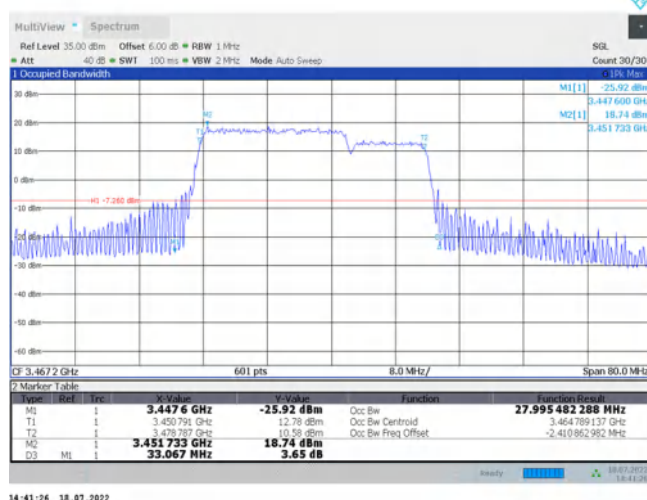
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### 42-42-20MHz-10MHz-64QAM-64QAM-42891-43035-100RB#0-50RB#0



14:45:34 18.07.2022

### 42-42-20MHz-10MHz-256QAM-256QAM-42190-42334-100RB#0-50RB#0



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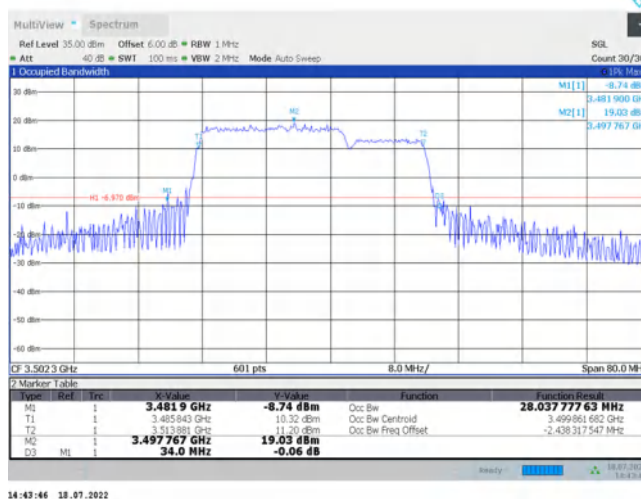
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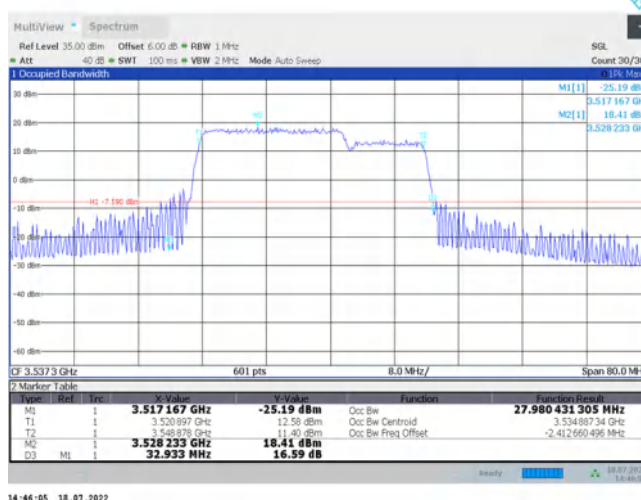
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### 42-42-20MHz-10MHz-256QAM-256QAM-42541-42685-100RB#0-50RB#0



14:43:46 18.07.2022

### 42-42-20MHz-10MHz-256QAM-256QAM-42891-43035-100RB#0-50RB#0



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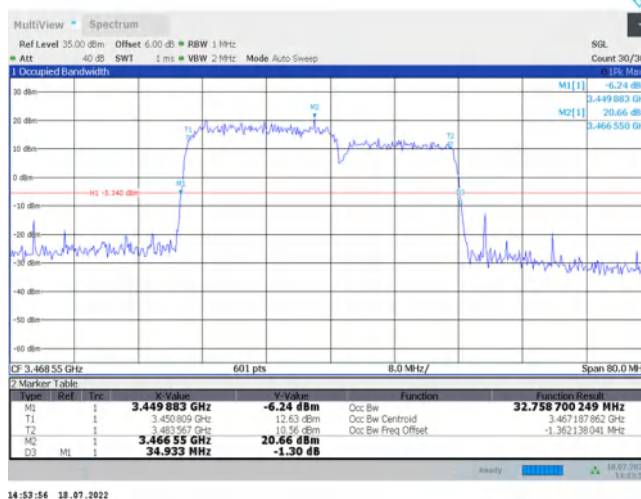
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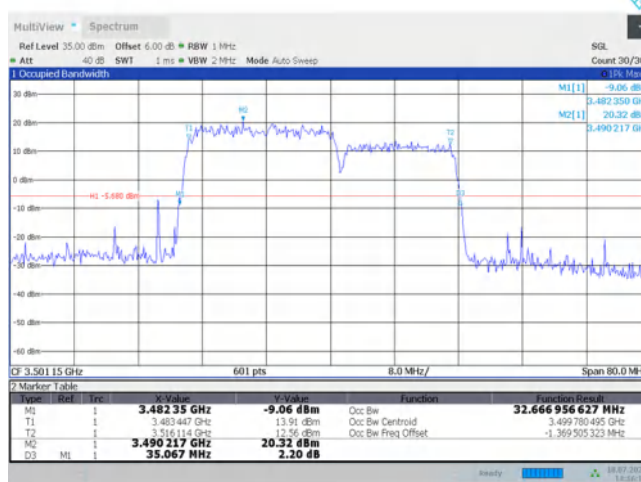
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### 42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



14:53:56 18.07.2022

### 42-42-20MHz-15MHz-QPSK-QPSK-42516-42687-100RB#0-75RB#0



14:54:14 18.07.2022



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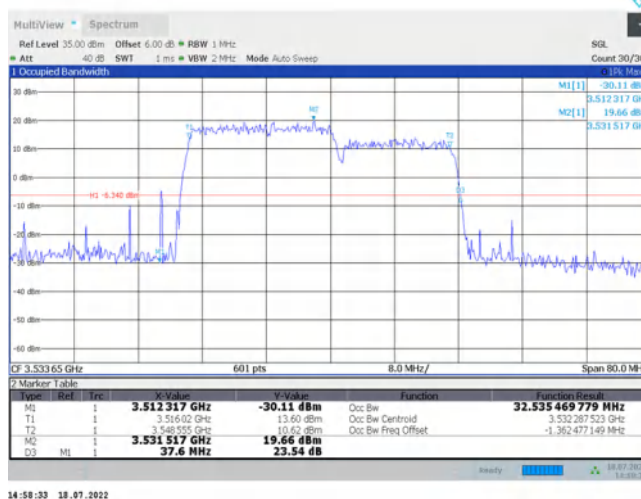
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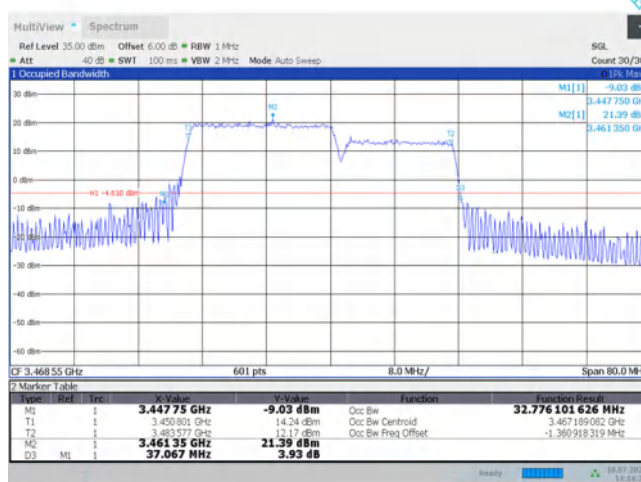
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### 42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



14:58:33 18.07.2022

### 42-42-20MHz-15MHz-16QAM-16QAM-42190-42361-100RB#0-75RB#0



14:54:27 18.07.2022



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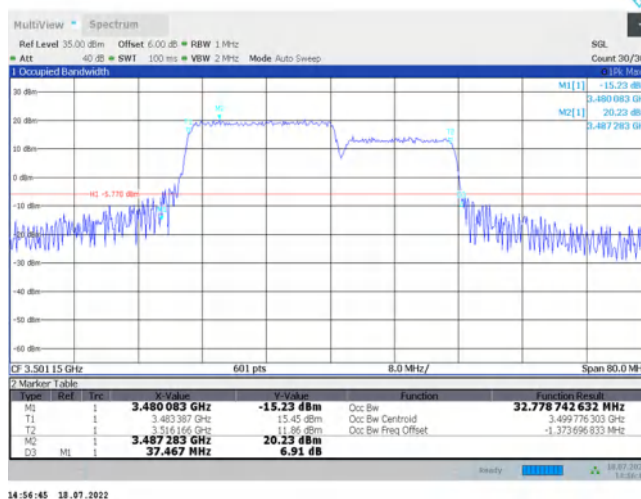


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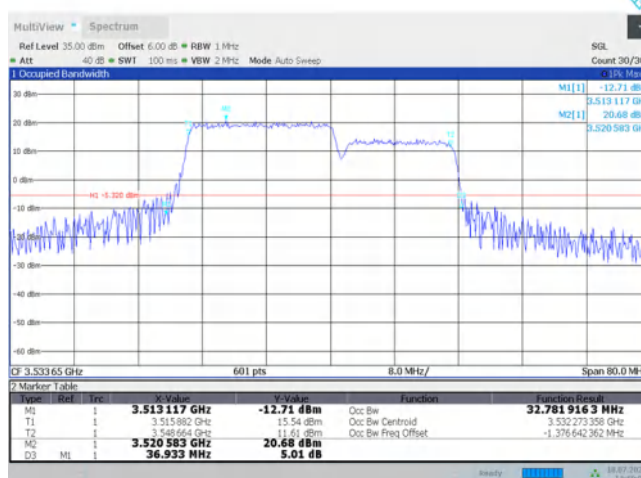
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42-42-20MHz-15MHz-16QAM-16QAM-42516-42687-100RB#0-75RB#0



14:56:45 18.07.2022

42-42-20MHz-15MHz-16QAM-16QAM-42841-43012-100RB#0-75RB#0



14:59:04 18.07.2022



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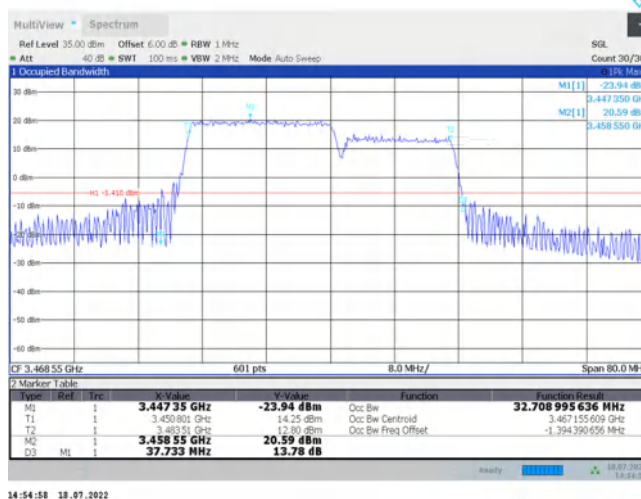
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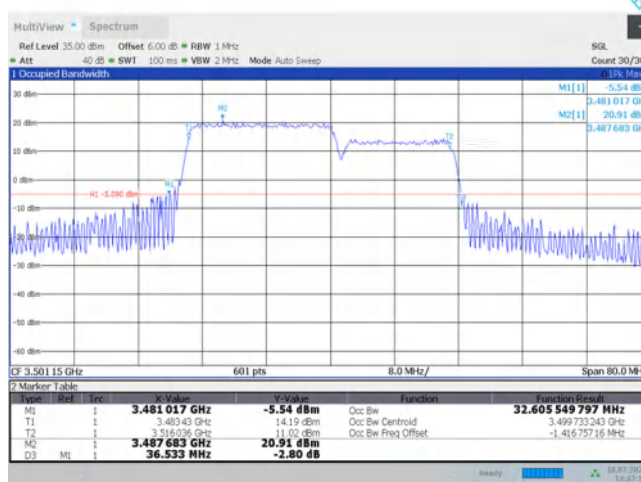
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### 42-42-20MHz-15MHz-64QAM-64QAM-42190-42361-100RB#0-75RB#0



14:54:58 18.07.2022

### 42-42-20MHz-15MHz-64QAM-64QAM-42516-42687-100RB#0-75RB#0



14:57:17 18.07.2022



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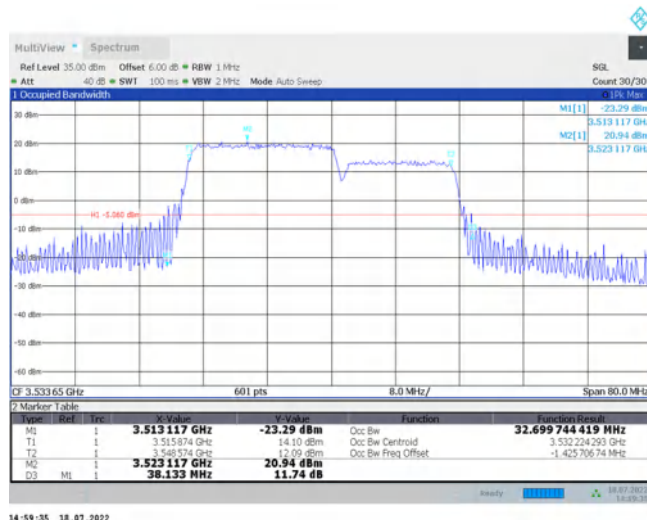
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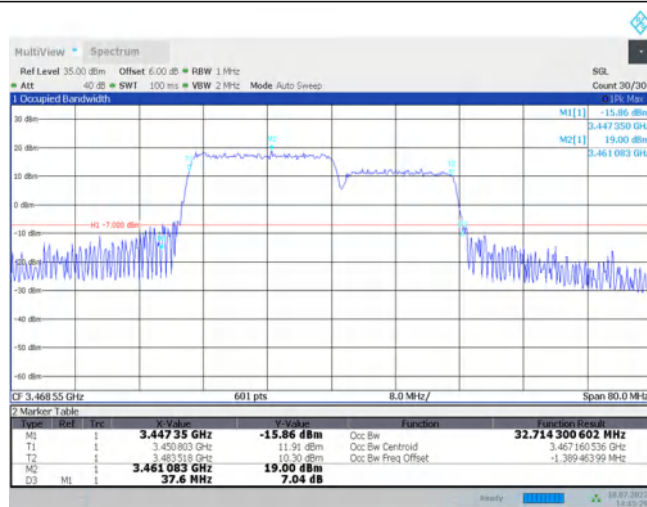
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### 42-42-20MHz-15MHz-64QAM-64QAM-42841-43012-100RB#0-75RB#0



14:59:35 18.07.2022

### 42-42-20MHz-15MHz-256QAM-256QAM-42190-42361-100RB#0-75RB#0



14:55:29 18.07.2022



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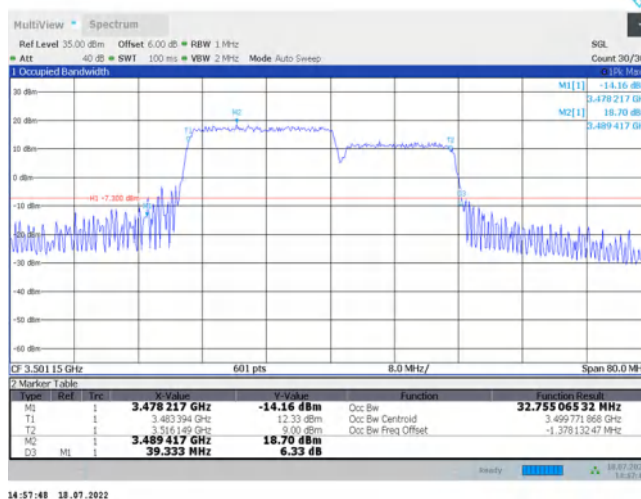
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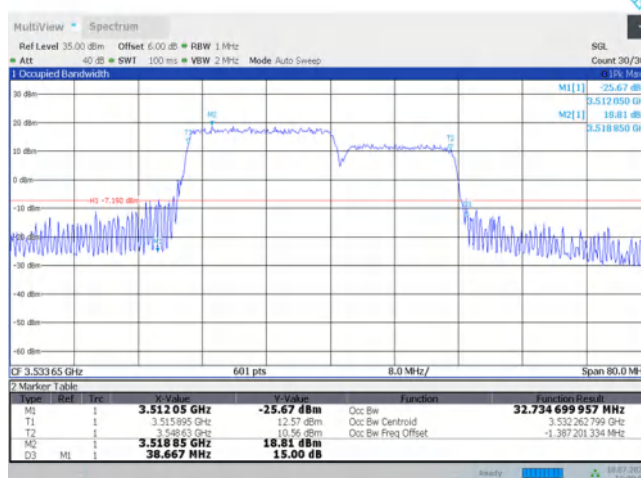
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42-42-20MHz-15MHz-256QAM-256QAM-42516-42687-100RB#0-75RB#0



14:57:48 18.07.2022

42-42-20MHz-15MHz-256QAM-256QAM-42841-43012-100RB#0-75RB#0



15:00:06 18.07.2022



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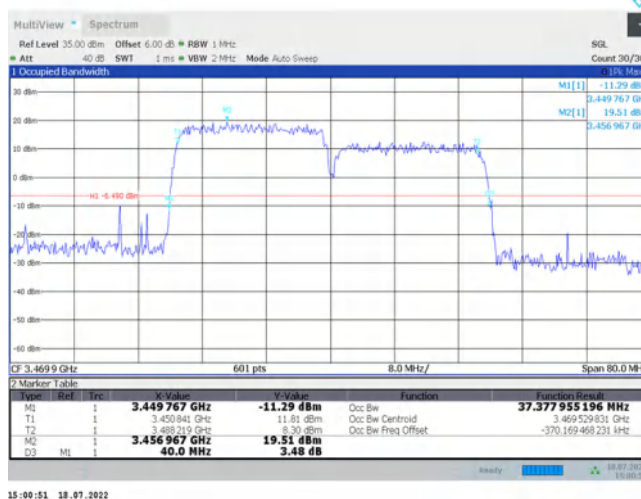


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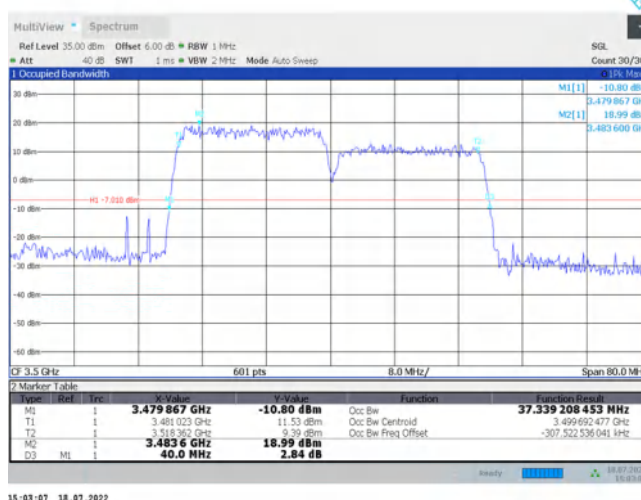
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### 42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



### 42-42-20MHz-20MHz-QPSK-QPSK-42491-42689-100RB#0-100RB#0



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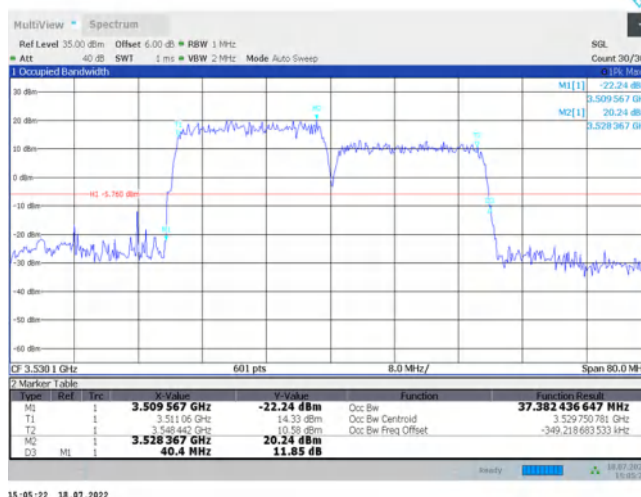
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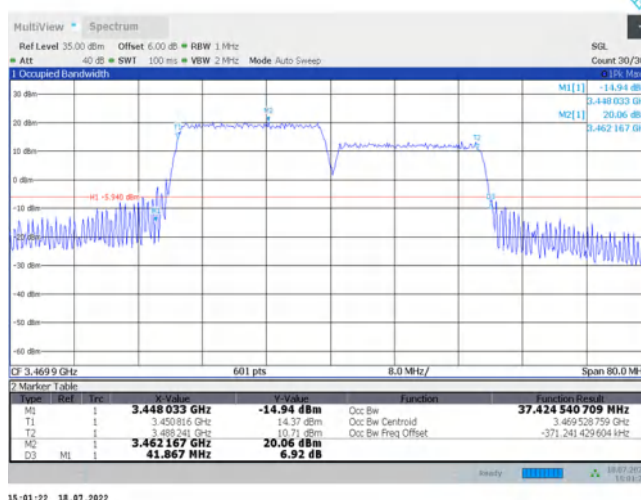
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### 42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



### 42-42-20MHz-20MHz-16QAM-16QAM-42190-42388-100RB#0-100RB#0



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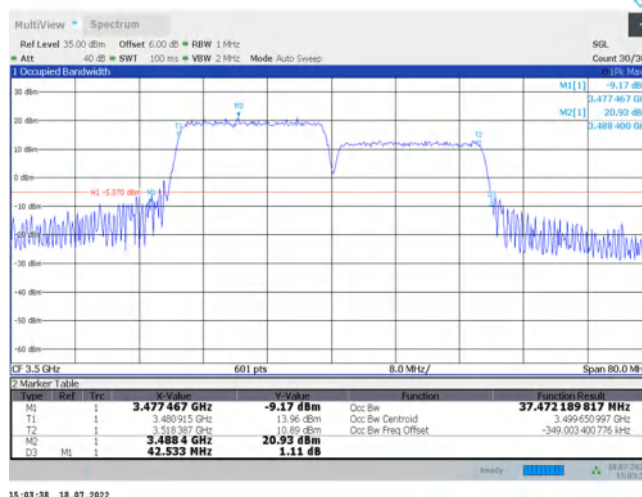
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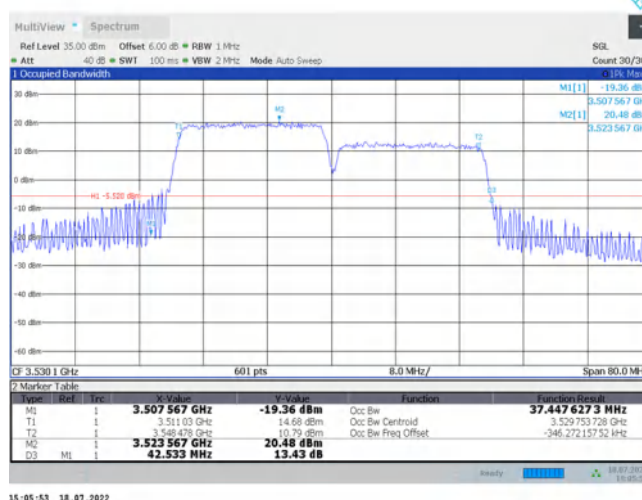
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### 42-42-20MHz-20MHz-16QAM-16QAM-42491-42689-100RB#0-100RB#0



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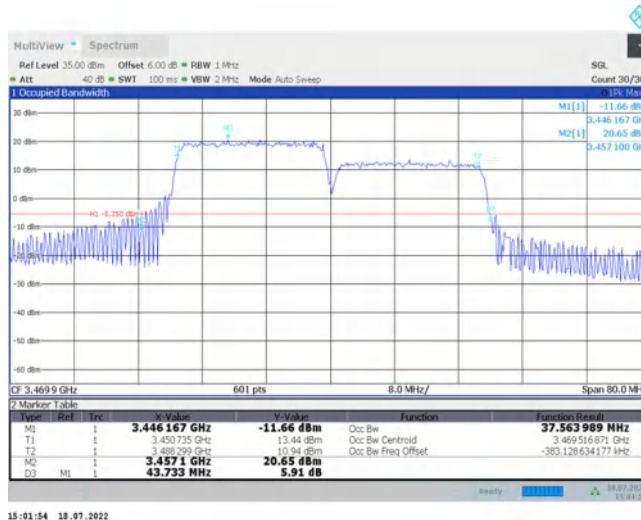
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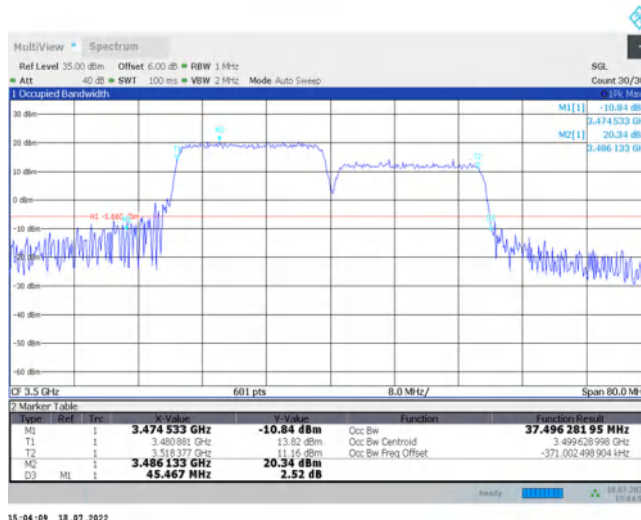
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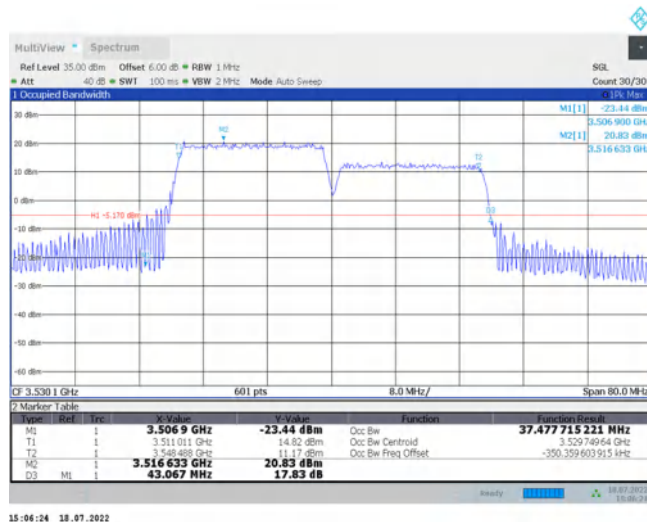


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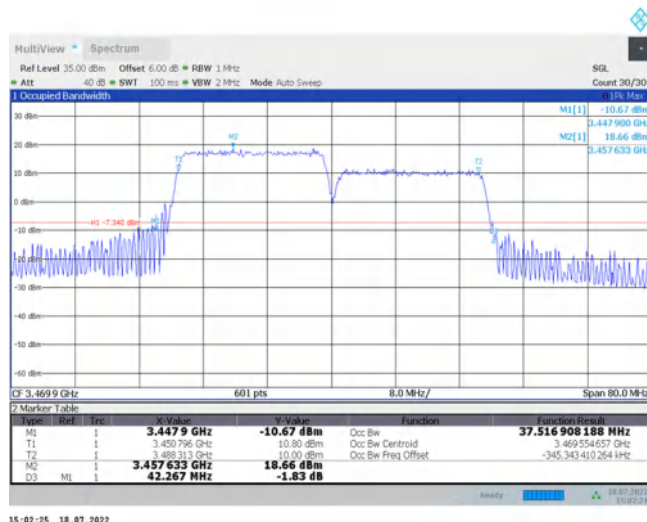
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### 42-42-20MHz-20MHz-64QAM-64QAM-42792-42990-100RB#0-100RB#0



### 42-42-20MHz-20MHz-256QAM-256QAM-42190-42388-100RB#0-100RB#0



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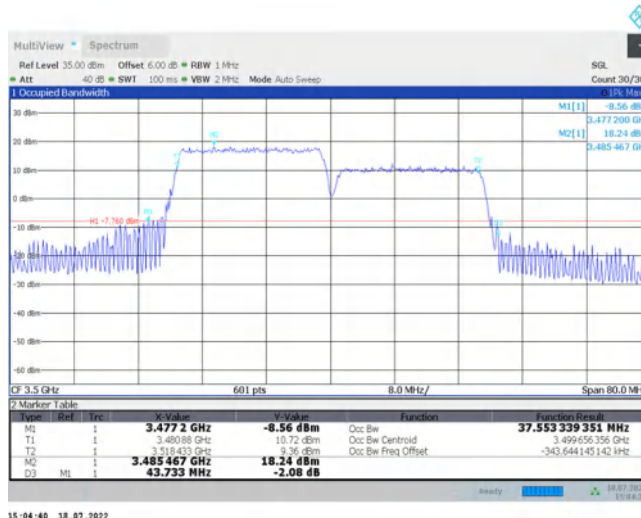
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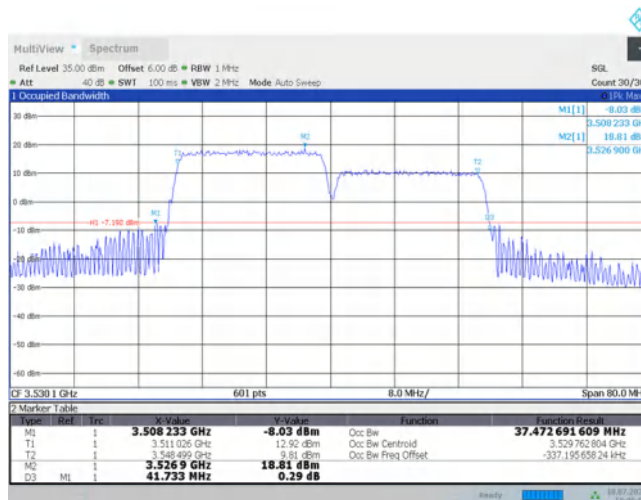
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### 42-42-20MHz-20MHz-256QAM-256QAM-42491-42689-100RB#0-100RB#0



15:04:40 18.07.2022

### 42-42-20MHz-20MHz-256QAM-256QAM-42792-42990-100RB#0-100RB#0



15:04:55 18.07.2022



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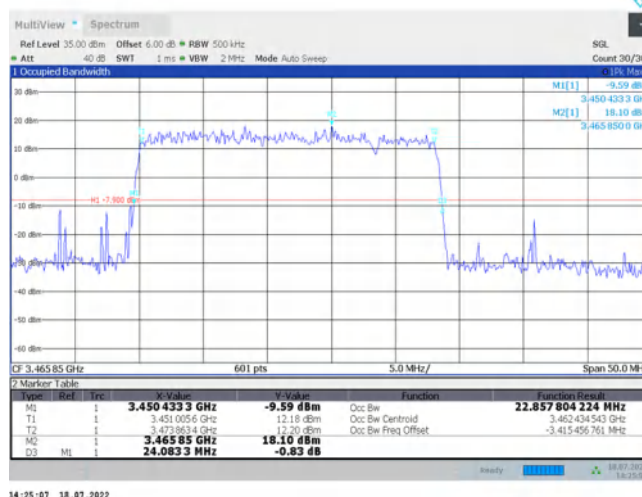
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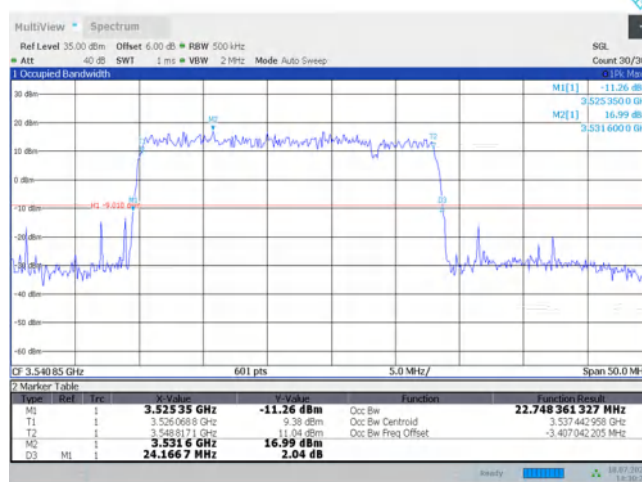
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### 42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0



14:25:07 18.07.2022

### 42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-100RB#0-25RB#0



14:30:24 18.07.2022



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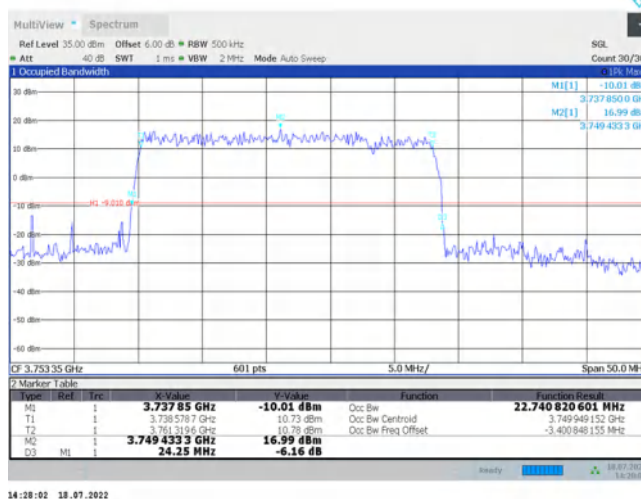
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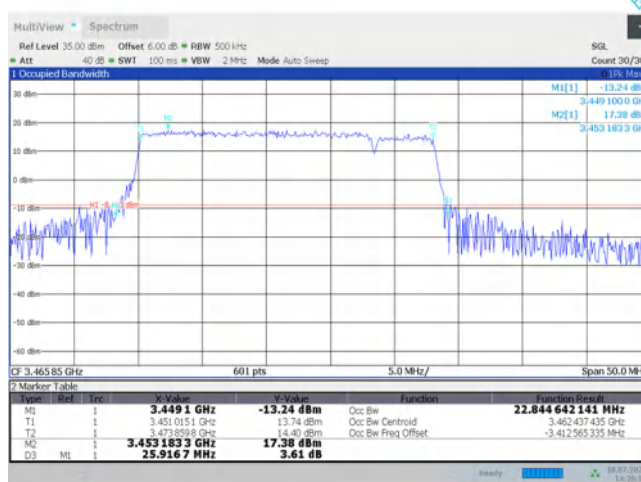
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### 42-42-20MHz-5MHz-QPSK-QPSK-45065-45182-100RB#0-25RB#0



14:28:02 18.07.2022

### 42-42-20MHz-5MHz-16QAM-16QAM-42190-42307-100RB#0-25RB#0



14:26:14 18.07.2022



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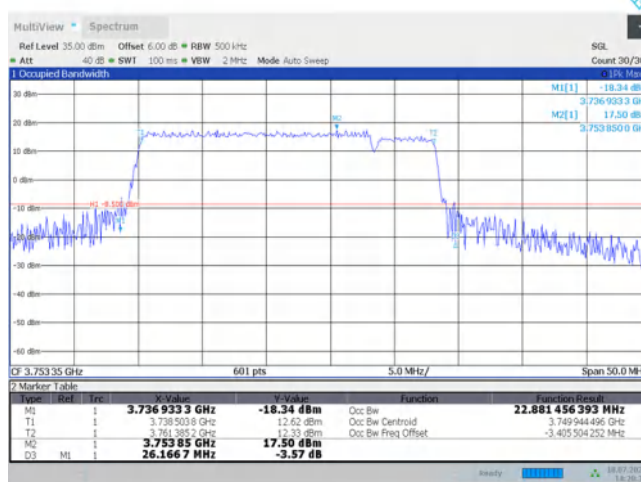
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### 42-42-20MHz-5MHz-16QAM-16QAM-42940-43057-100RB#0-25RB#0



14:30:56 18.07.2022

### 42-42-20MHz-5MHz-16QAM-16QAM-45065-45182-100RB#0-25RB#0



14:28:33 18.07.2022



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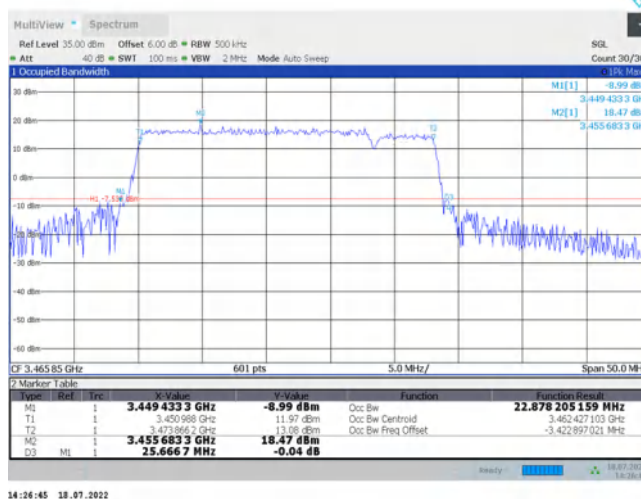
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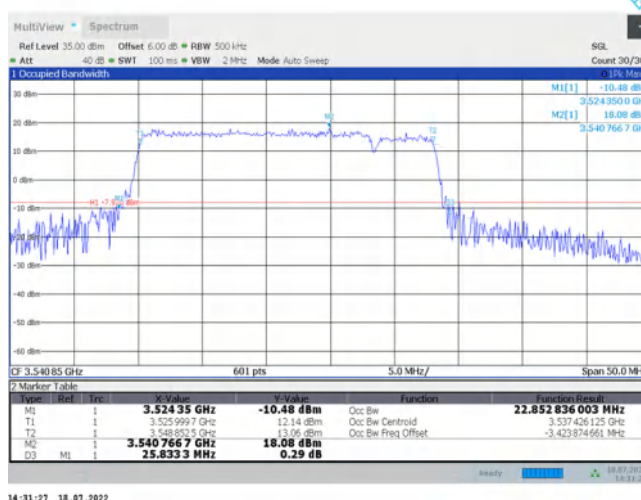
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### 42-42-20MHz-5MHz-64QAM-64QAM-42190-42307-100RB#0-25RB#0



### 42-42-20MHz-5MHz-64QAM-64QAM-42940-43057-100RB#0-25RB#0



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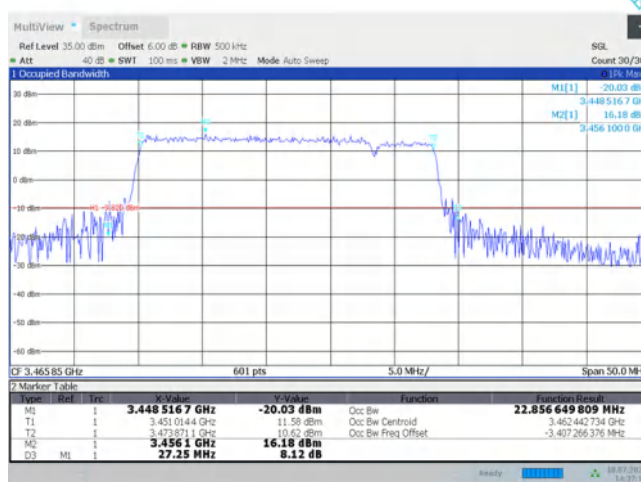
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### 42-42-20MHz-5MHz-64QAM-64QAM-45065-45182-100RB#0-25RB#0



14:29:05 18.07.2022

### 42-42-20MHz-5MHz-256QAM-256QAM-42190-42307-100RB#0-25RB#0



14:27:16 18.07.2022



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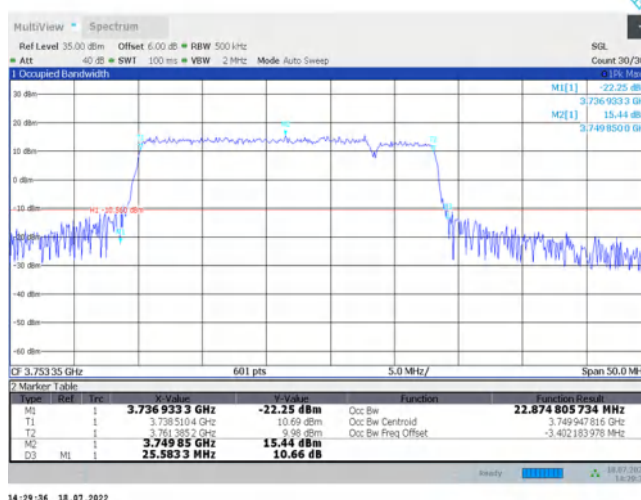
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### 42-42-20MHz-5MHz-256QAM-256QAM-42940-43057-100RB#0-25RB#0



### 42-42-20MHz-5MHz-256QAM-256QAM-45065-45182-100RB#0-25RB#0



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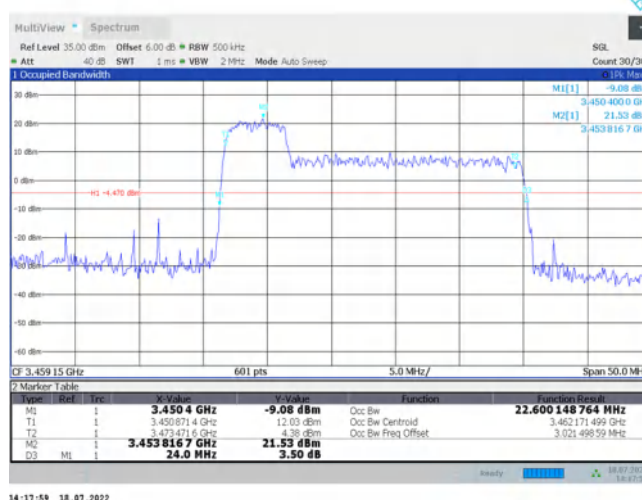


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### 42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



14:17:59 18.07.2022

### 42-42-5MHz-20MHz-QPSK-QPSK-42498-42615-25RB#0-100RB#0



14:20:18 18.07.2022



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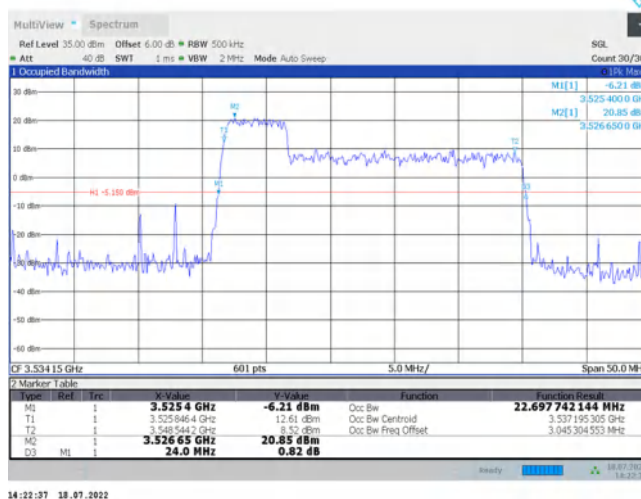
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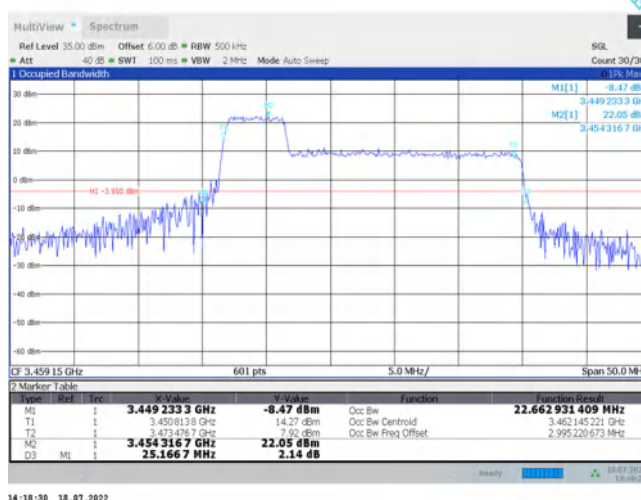
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### 42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



14:22:37 18.07.2022

### 42-42-5MHz-20MHz-16QAM-16QAM-42123-42240-25RB#0-100RB#0



14:38:30 18.07.2022



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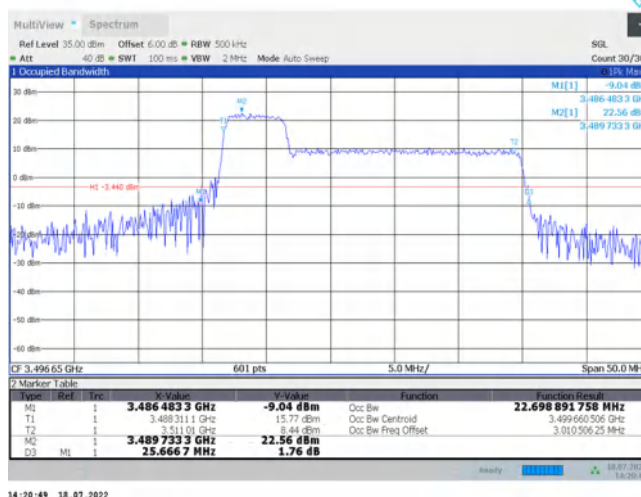
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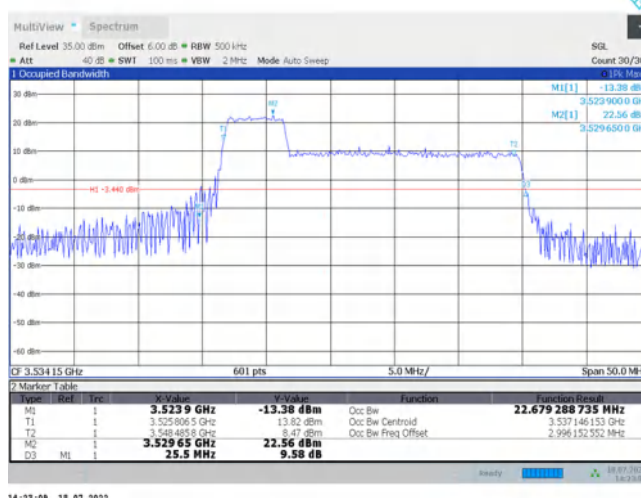
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### 42-42-5MHz-20MHz-16QAM-16QAM-42498-42615-25RB#0-100RB#0



14:20:49 18.07.2022

### 42-42-5MHz-20MHz-16QAM-16QAM-42873-42990-25RB#0-100RB#0



14:23:09 18.07.2022



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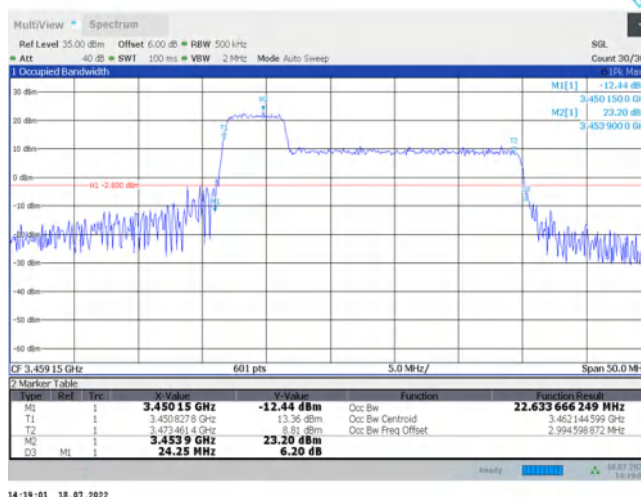
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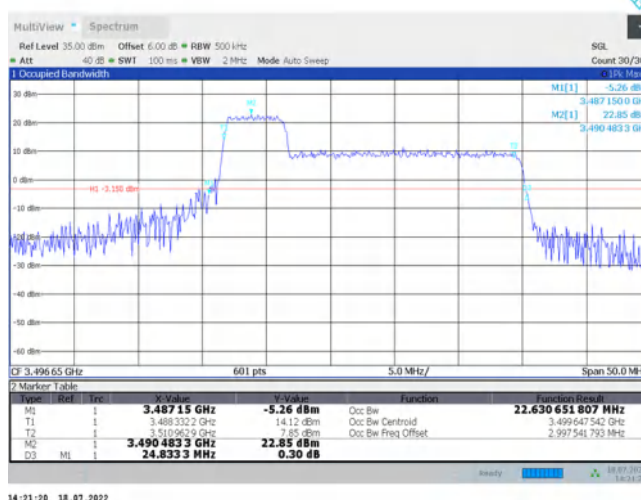
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### 42-42-5MHz-20MHz-64QAM-64QAM-42123-42240-25RB#0-100RB#0



### 42-42-5MHz-20MHz-64QAM-64QAM-42498-42615-25RB#0-100RB#0



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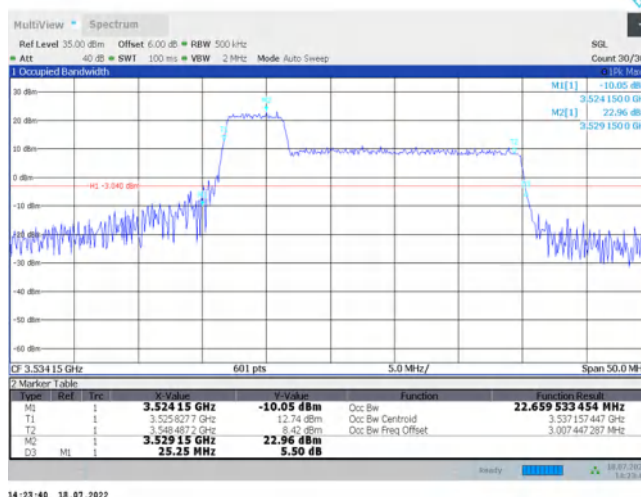


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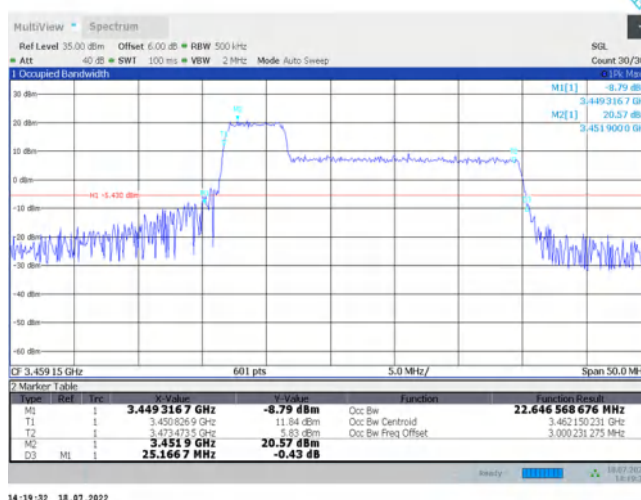
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### 42-42-5MHz-20MHz-64QAM-64QAM-42873-42990-25RB#0-100RB#0



### 42-42-5MHz-20MHz-256QAM-256QAM-42123-42240-25RB#0-100RB#0



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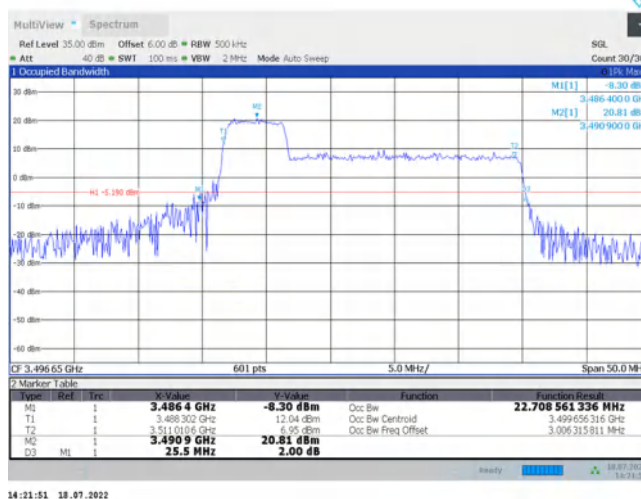
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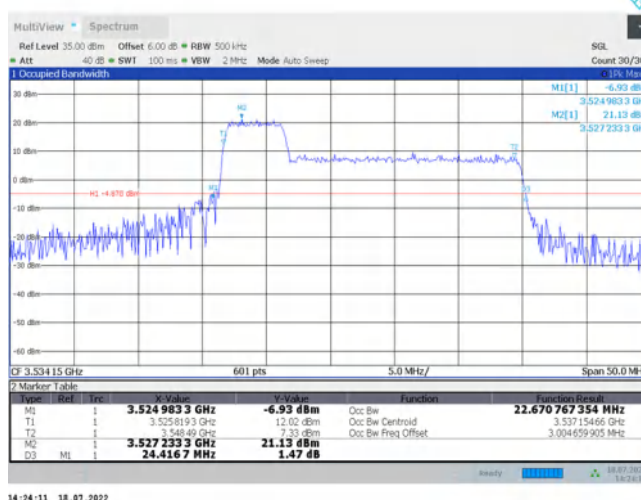
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### 42-42-5MHz-20MHz-256QAM-256QAM-42498-42615-25RB#0-100RB#0



### 42-42-5MHz-20MHz-256QAM-256QAM-42873-42990-25RB#0-100RB#0



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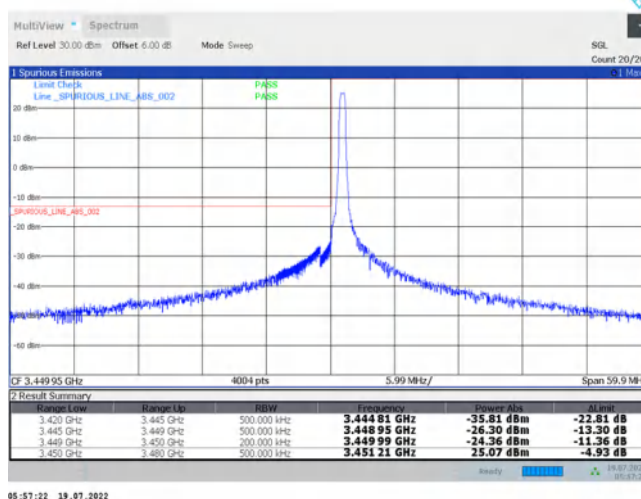
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### Band Edge

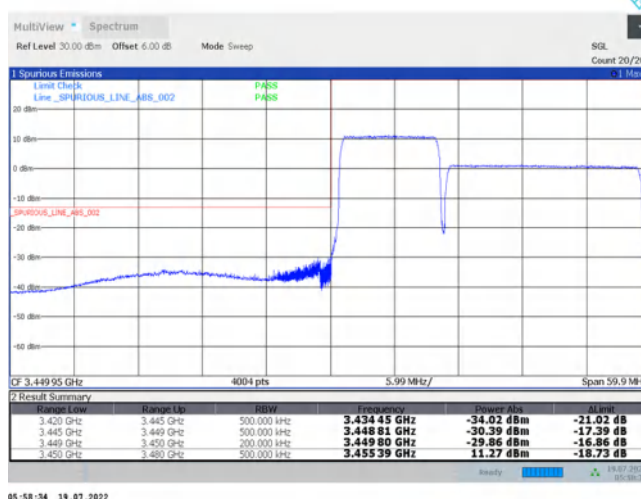
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05:57:22 19.07.2022

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05:58:34 19.07.2022



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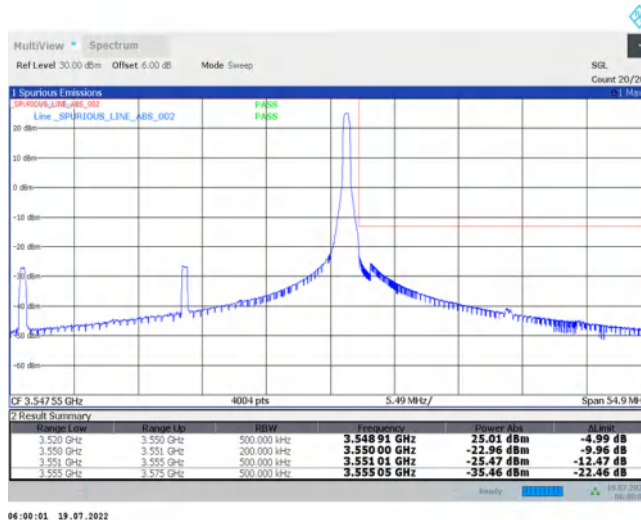
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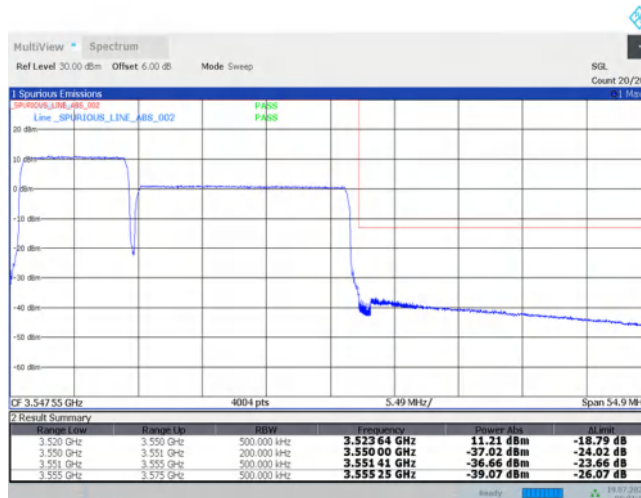
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### 42-42-10MHz-20MHz-QPSK-QPSK-42846-42990-0RB#0-1RB#99



06:00:01 19.07.2022

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06:01:13 19.07.2022



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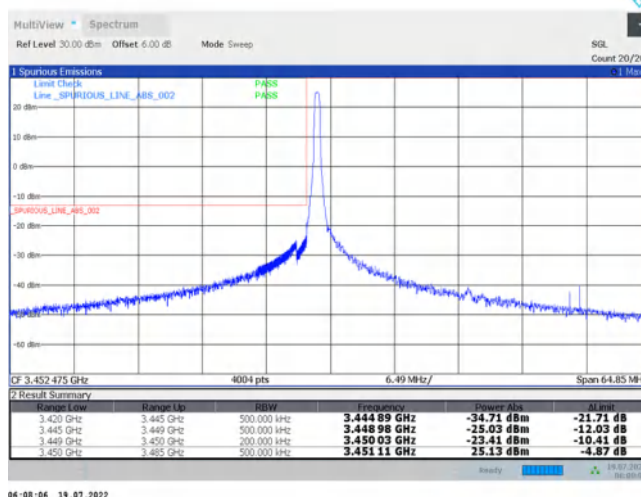


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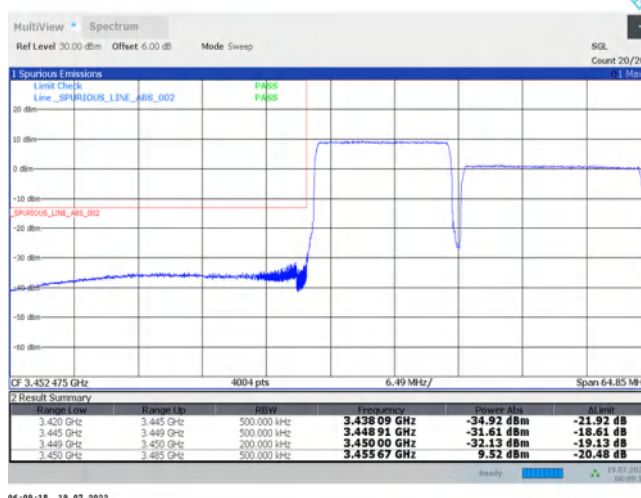
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06:08:06 19.07.2022

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06:09:18 19.07.2022



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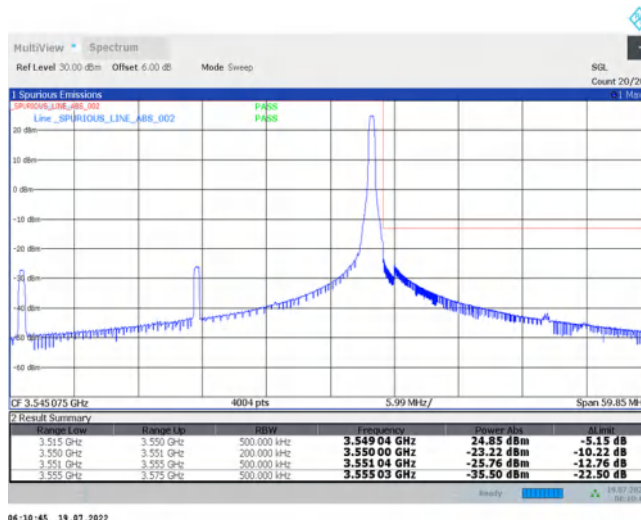
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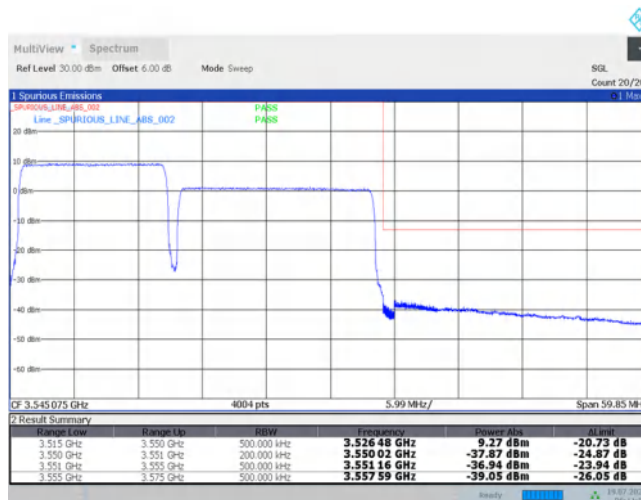
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### 42-42-15MHz-20MHz-QPSK-QPSK-42819-42990-0RB#0-1RB#99



06:10:45 19.07.2022

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06:11:57 19.07.2022



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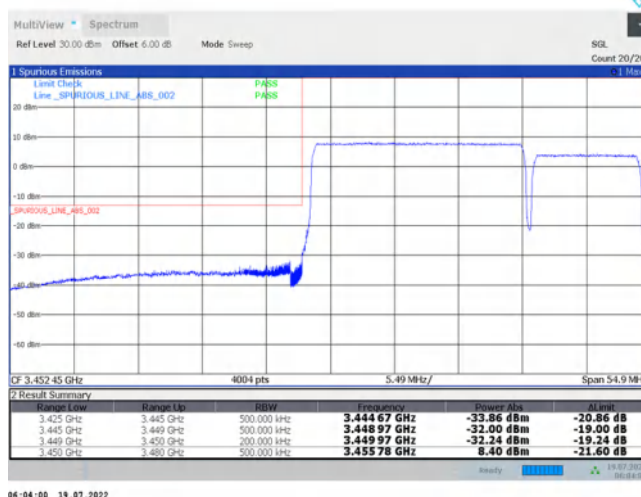
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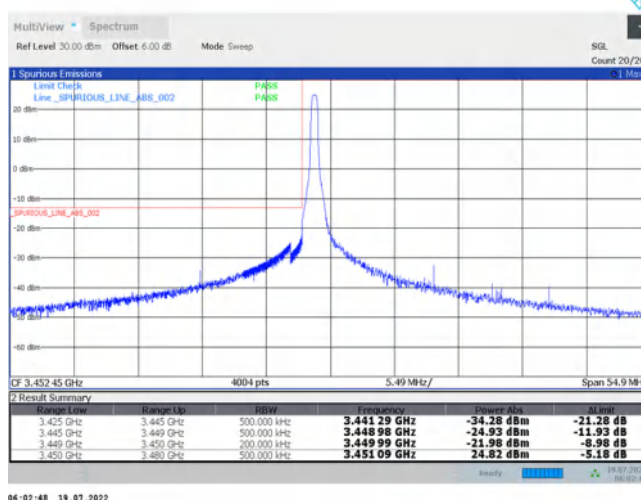
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### 42-42-20MHz-10MHz-QPSK-QPSK-42190-42334-100RB#0-50RB#0



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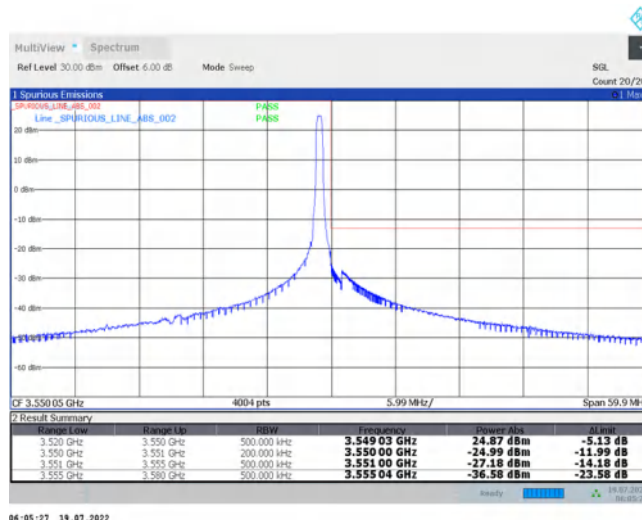
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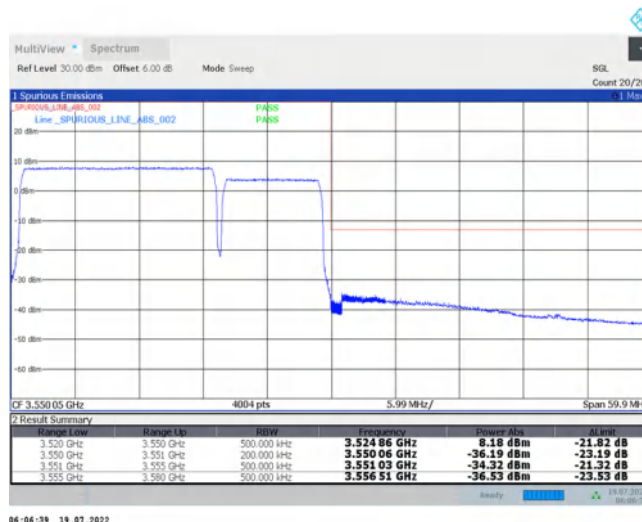
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### 42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-0RB#0-1RB#49



### 42-42-20MHz-10MHz-QPSK-QPSK-42891-43035-100RB#0-50RB#0



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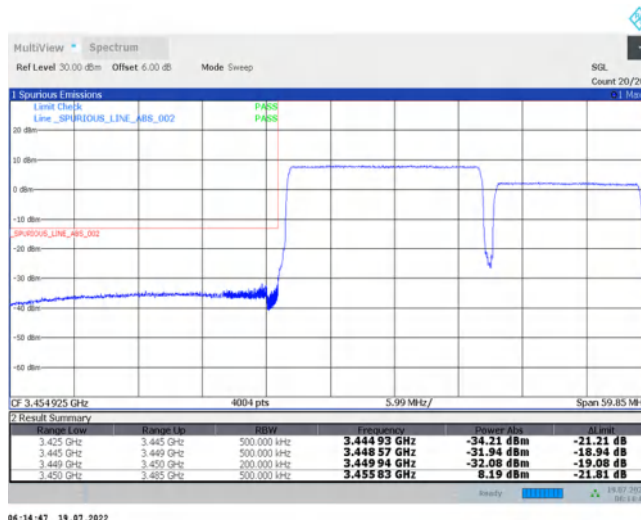
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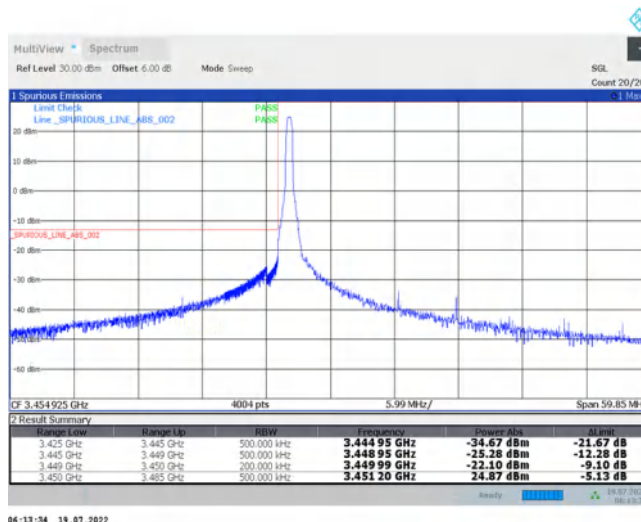


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### 42-42-20MHz-15MHz-QPSK-QPSK-42190-42361-100RB#0-75RB#0



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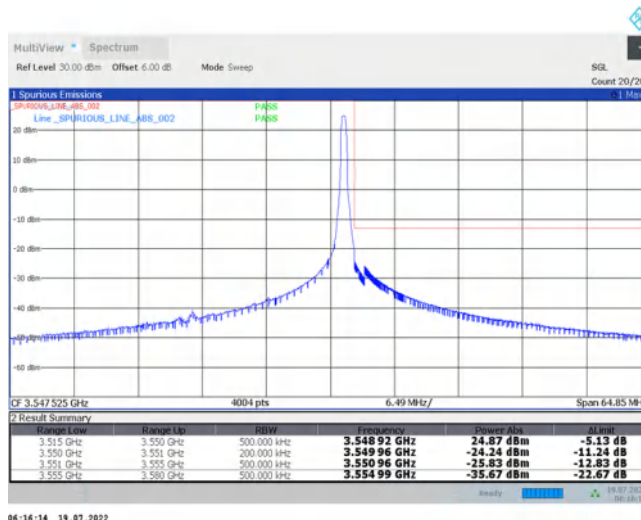
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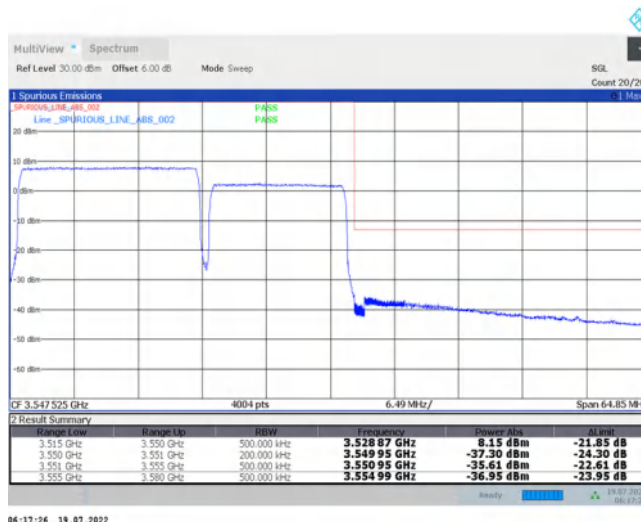
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### 42-42-20MHz-15MHz-QPSK-QPSK-42841-43012-100RB#0-75RB#0



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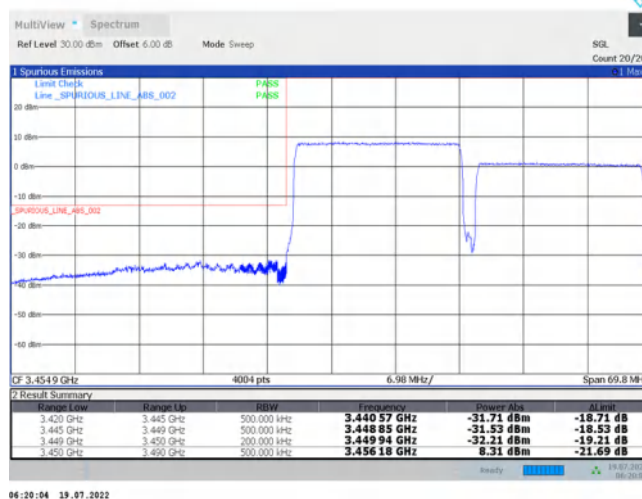
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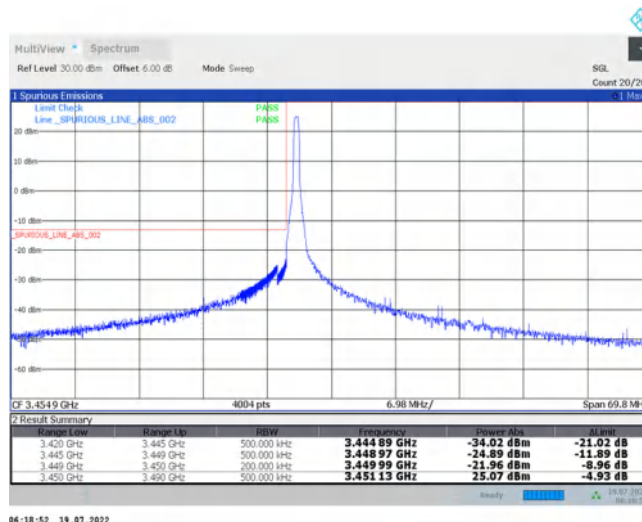
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### 42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-100RB#0-100RB#0



### 42-42-20MHz-20MHz-QPSK-QPSK-42190-42388-1RB#0-0RB#0



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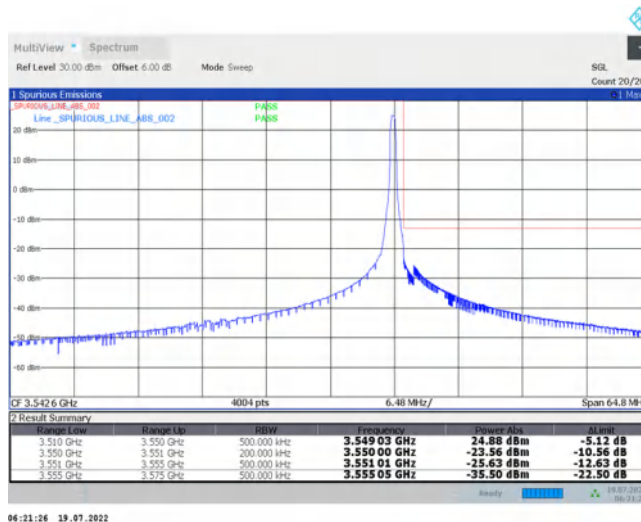
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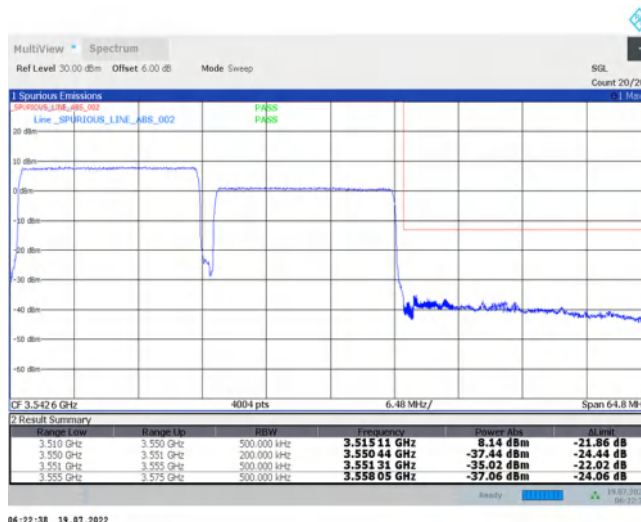
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### 42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-0RB#0-1RB#99



### 42-42-20MHz-20MHz-QPSK-QPSK-42792-42990-100RB#0-100RB#0



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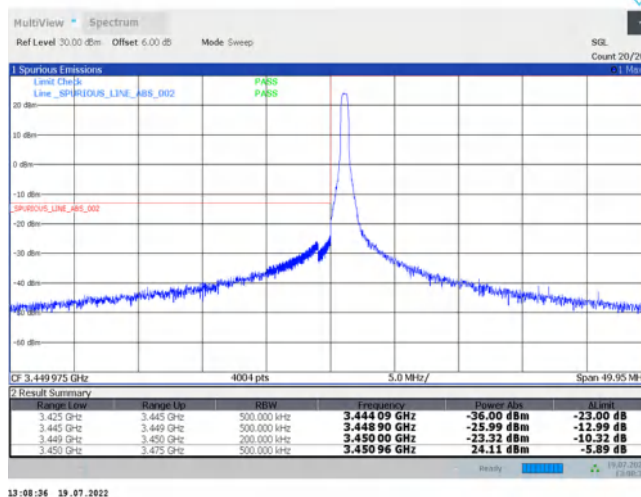


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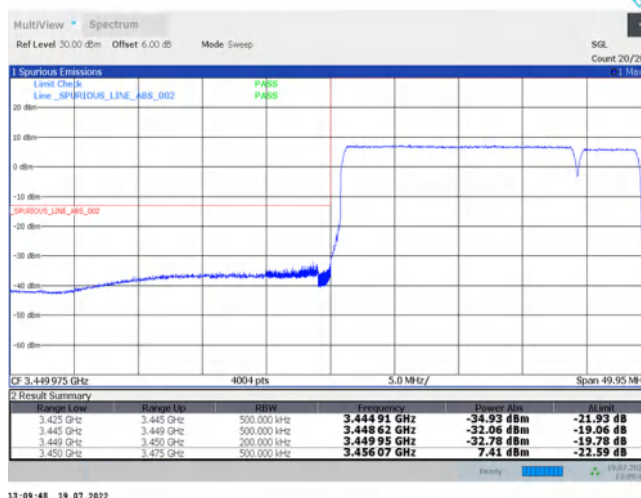
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### 42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-1RB#0-0RB#0



### 42-42-20MHz-5MHz-QPSK-QPSK-42190-42307-100RB#0-25RB#0



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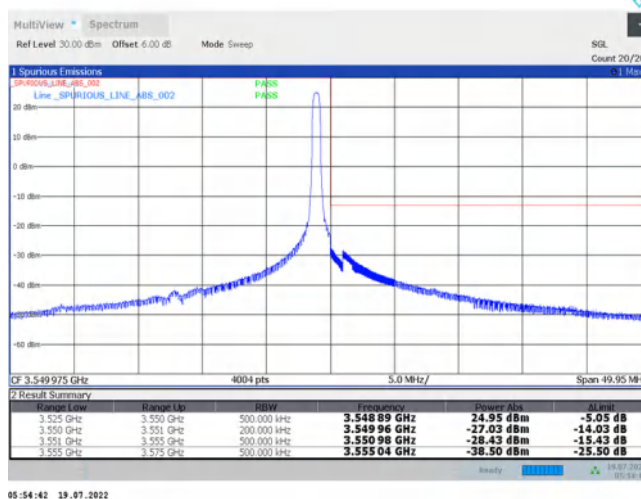
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### 42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-0RB#0-1RB#24



### 42-42-20MHz-5MHz-QPSK-QPSK-42940-43057-100RB#0-25RB#0



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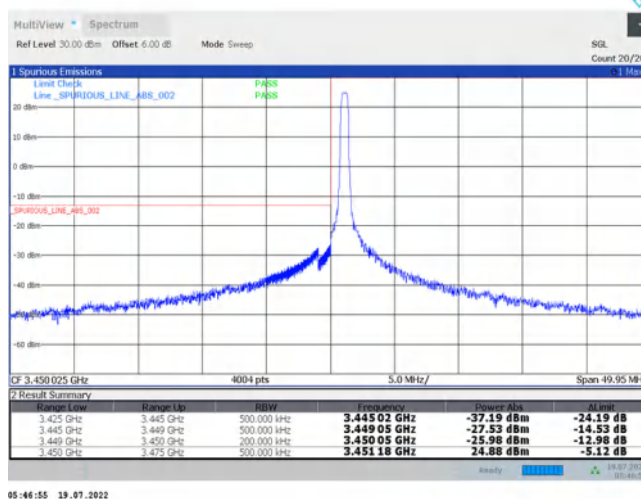
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### 42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-1RB#0-0RB#0



### 42-42-5MHz-20MHz-QPSK-QPSK-42123-42240-25RB#0-100RB#0



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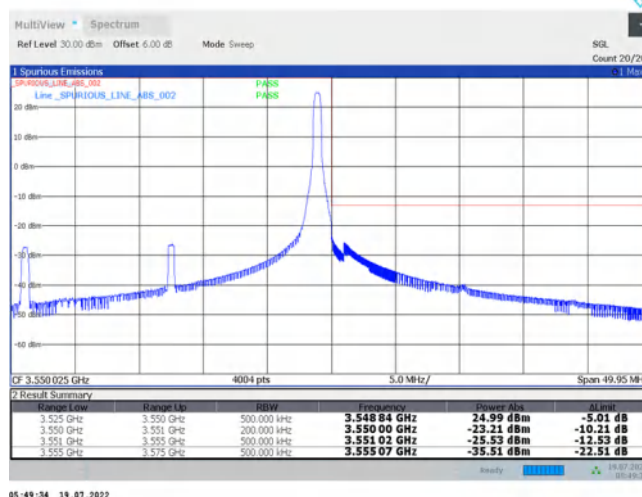
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### 42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-0RB#0-1RB#99



### 42-42-5MHz-20MHz-QPSK-QPSK-42873-42990-25RB#0-100RB#0



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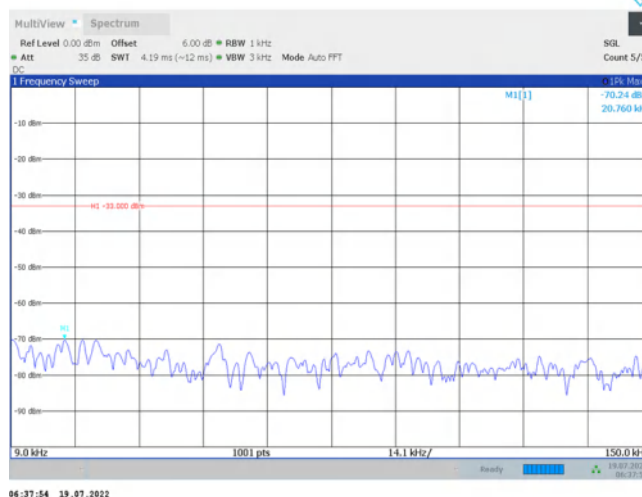
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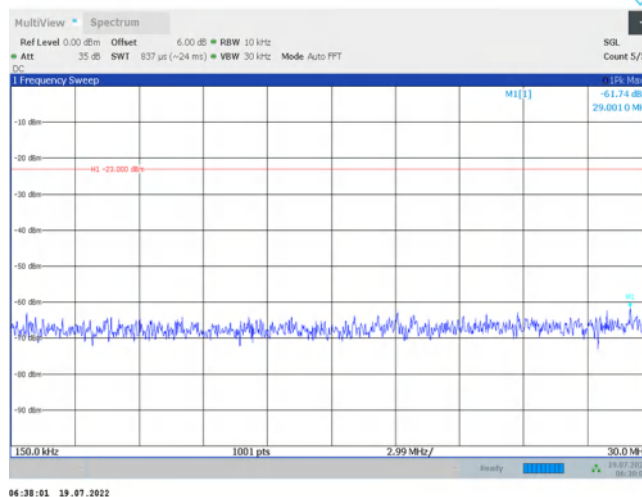
### Conducted Spurious Emission

#### Test Graphs

42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.009~0.15MHz



42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.15~30MHz



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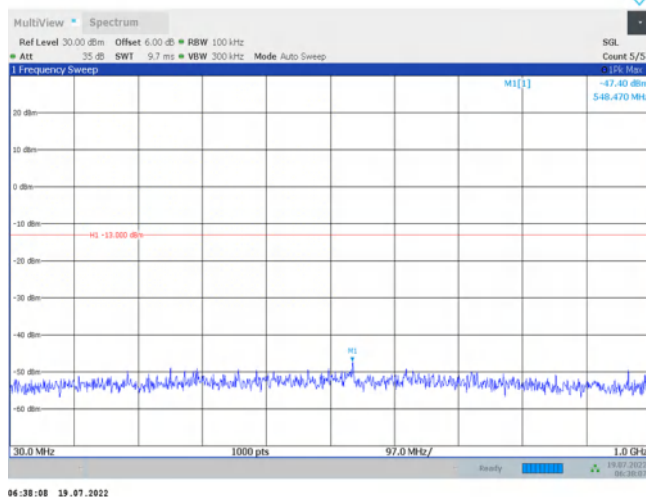
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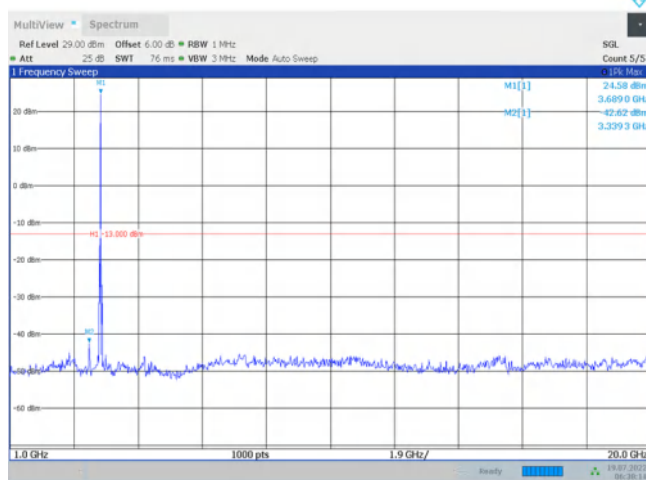
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### 42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-30~1000MHz



04:38:08 19.07.2022

### 42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-1000~20000MHz



04:38:15 19.07.2022



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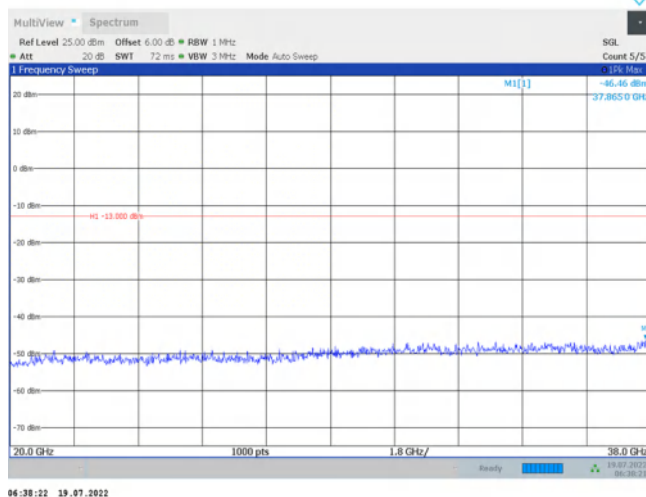
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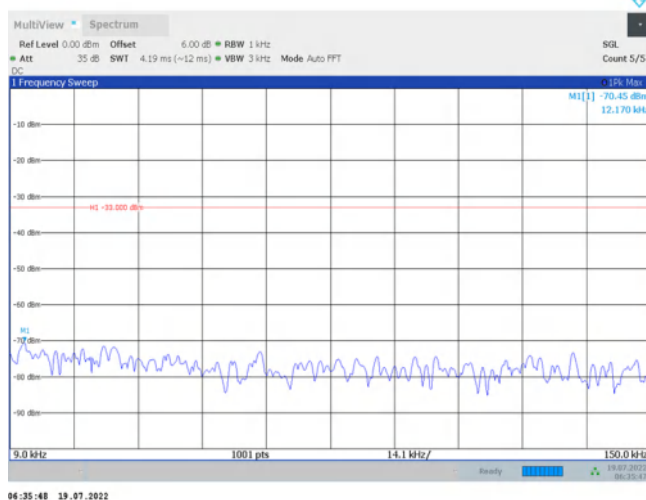
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### 42-42-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-20000~38000MHz



### 42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.009~0.15MHz



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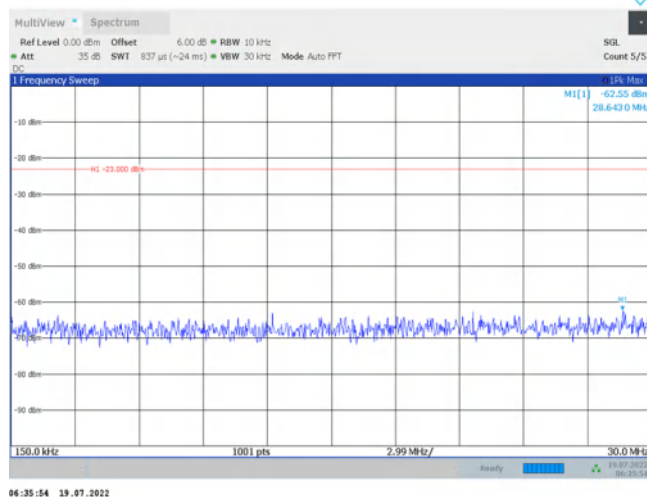
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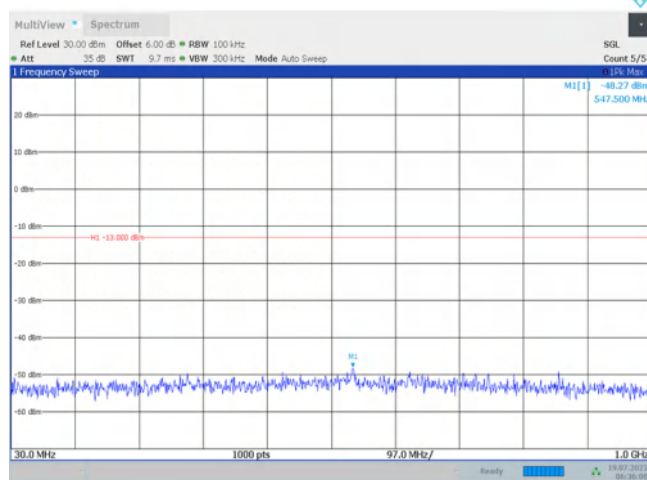
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### 42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.15~30MHz



06:35:54 19.07.2022

### 42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-30~1000MHz



06:36:01 19.07.2022



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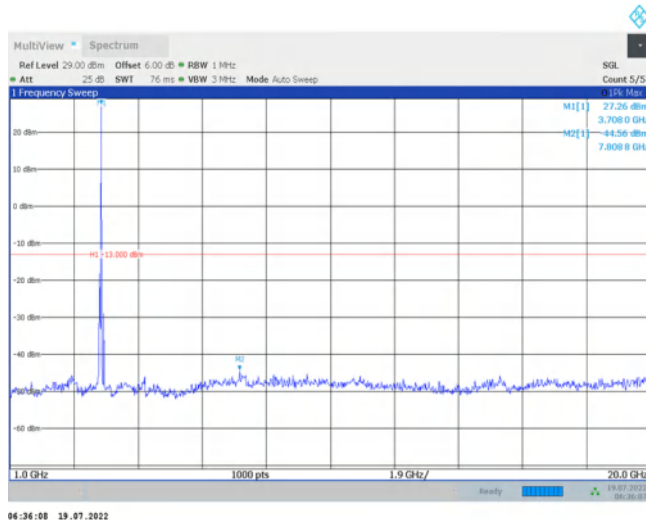


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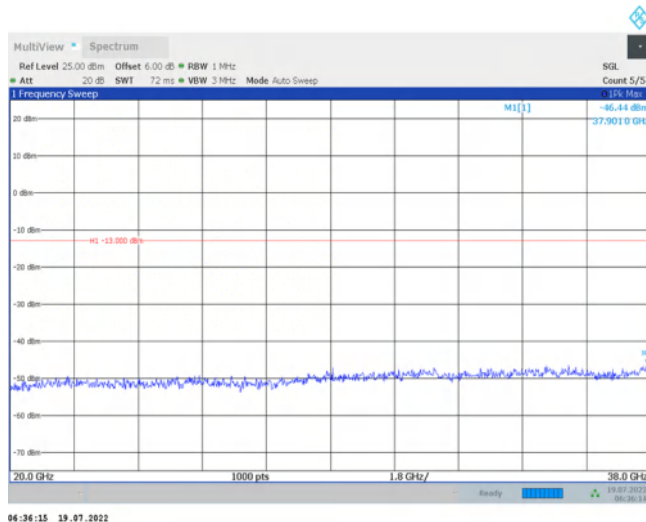
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### 42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-1000~20000MHz



### 42-42-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-20000~38000MHz



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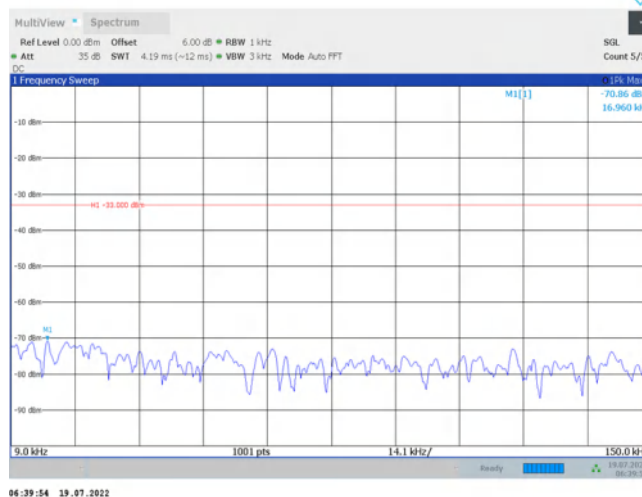
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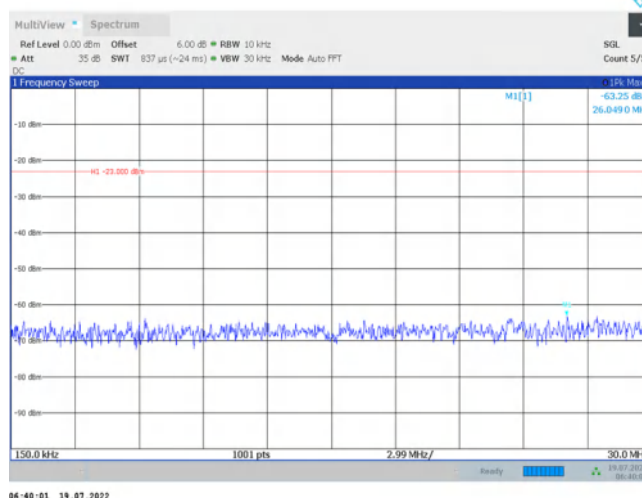
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### 42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.009~0.15MHz



### 42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.15~30MHz



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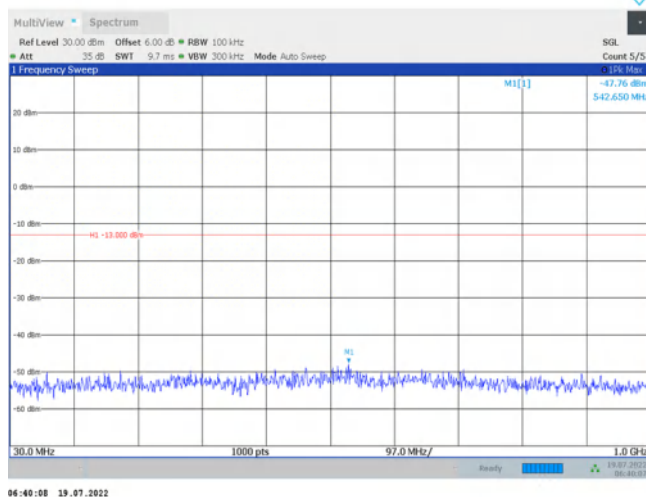
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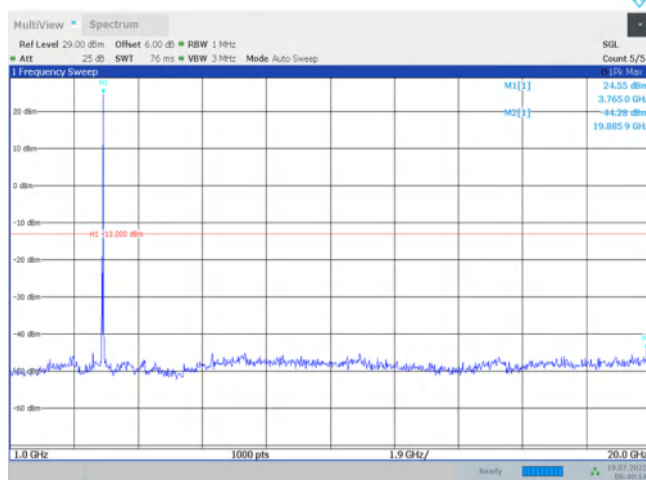
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### 42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-30~1000MHz



06:40:08 19.07.2022

### 42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-1000~20000MHz



06:40:15 19.07.2022



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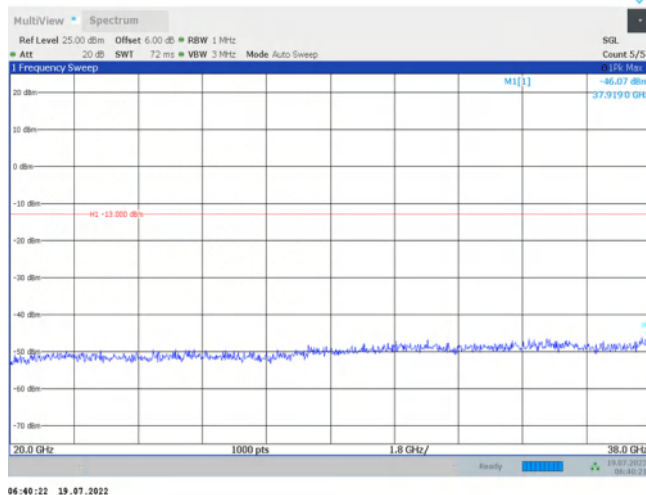
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42-42-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-20000~38000MHz



06:40:22 19.07.2022



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## Field Strength of Spurious Radiation

**Test Band = LTE Band42CA 3450-3550 \_ TM1**
**Test Channel = Low**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 7374.575        | 50.18          | -42.93      | -51.50      | -13.00      | 38.50       | 136         | 360       | Horizontal |
| 2   | 8382.55         | 48.68          | -41.46      | -50.73      | -13.00      | 37.73       | 251         | 359       | Horizontal |
| 3   | 9287.6          | 46.32          | -40.06      | -50.59      | -13.00      | 37.59       | 145         | 44        | Horizontal |
| 4   | 10681.4         | 43.52          | -37.59      | -50.20      | -13.00      | 37.20       | 195         | 359       | Horizontal |
| 5   | 12409.85        | 41.83          | -36.99      | -51.34      | -13.00      | 38.34       | 185         | 358       | Horizontal |
| 6   | 14429.825       | 41.03          | -34.83      | -49.00      | -13.00      | 36.00       | 102         | 151       | Horizontal |

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 7018.075        | 51.28          | -43.11      | -50.96      | -13.00      | 37.96       | 126         | 151       | Vertical |
| 2   | 8062.275        | 47.86          | -41.64      | -52.01      | -13.00      | 39.01       | 265         | 4         | Vertical |
| 3   | 9162.825        | 46.28          | -40.12      | -50.79      | -13.00      | 37.79       | 148         | 136       | Vertical |
| 4   | 10326.625       | 44.73          | -38.90      | -50.59      | -13.00      | 37.59       | 195         | 4         | Vertical |
| 5   | 11467.425       | 42.30          | -36.84      | -50.76      | -13.00      | 37.76       | 105         | 16        | Vertical |
| 6   | 16668.875       | 41.65          | -34.74      | -50.13      | -13.00      | 37.13       | 111         | 16        | Vertical |



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Test Band = LTE Band42CA 3450-3550\_ TM1

Test Channel = Mid

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
|-----|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|------------|
| 1   | 7645.4             | 49.37             | -42.84         | -52.25         | -13.00         | 39.25          | 189            | 270          | Horizontal |
| 2   | 8412.45            | 48.90             | -41.42         | -50.43         | -13.00         | 37.43          | 145            | 360          | Horizontal |
| 3   | 9409.5             | 45.84             | -39.92         | -50.86         | -13.00         | 37.86          | 236            | 255          | Horizontal |
| 4   | 11192              | 42.53             | -36.69         | -50.31         | -13.00         | 37.31          | 261            | 301          | Horizontal |
| 5   | 13161.95           | 40.79             | -36.59         | -51.15         | -13.00         | 38.15          | 148            | 180          | Horizontal |
| 6   | 14436.725          | 40.45             | -34.77         | -49.52         | -13.00         | 36.52          | 177            | 353          | Horizontal |

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
|-----|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------|
| 1   | 7868.5             | 49.60             | -42.69         | -51.49         | -13.00         | 38.49          | 165            | 227          | Vertical |
| 2   | 8614.275           | 48.05             | -40.95         | -50.39         | -13.00         | 37.39          | 400            | 360          | Vertical |
| 3   | 10633.675          | 43.25             | -37.83         | -50.76         | -13.00         | 37.76          | 195            | 345          | Vertical |
| 4   | 11549.075          | 41.93             | -36.74         | -51.12         | -13.00         | 38.12          | 188            | 353          | Vertical |
| 5   | 14315.975          | 41.38             | -35.74         | -49.47         | -13.00         | 36.47          | 140            | 198          | Vertical |
| 6   | 17166.25           | 42.57             | -34.43         | -48.53         | -13.00         | 35.53          | 236            | 360          | Vertical |



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**Test Band = LTE Band42CA 3450-3550\_ TM1****Test Channel = High**

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
|-----|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|------------|
| 1   | 7371.7             | 49.40             | -42.94         | -52.30         | -13.00         | 39.30          | 215            | 359          | Horizontal |
| 2   | 8583.8             | 47.98             | -41.04         | -50.60         | -13.00         | 37.60          | 236            | 102          | Horizontal |
| 3   | 9595.8             | 45.40             | -39.23         | -50.65         | -13.00         | 37.65          | 261            | 328          | Horizontal |
| 4   | 11200.05           | 41.60             | -36.60         | -51.15         | -13.00         | 38.15          | 185            | 161          | Horizontal |
| 5   | 14316.55           | 41.30             | -35.73         | -49.55         | -13.00         | 36.55          | 148            | 341          | Horizontal |
| 6   | 17692.375          | 41.57             | -33.18         | -46.74         | -13.00         | 33.74          | 179            | 359          | Horizontal |

| NO. | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
|-----|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------|
| 1   | 7407.925           | 49.75             | -42.82         | -51.84         | -13.00         | 38.84          | 126            | 149          | Vertical |
| 2   | 8617.15            | 47.60             | -40.97         | -50.85         | -13.00         | 37.85          | 251            | 104          | Vertical |
| 3   | 10100.075          | 45.07             | -38.70         | -50.24         | -13.00         | 37.24          | 148            | 45           | Vertical |
| 4   | 12205.15           | 41.61             | -37.09         | -51.61         | -13.00         | 38.61          | 176            | 4            | Vertical |
| 5   | 13644.95           | 41.03             | -36.02         | -50.14         | -13.00         | 37.14          | 199            | 104          | Vertical |
| 6   | 17175.45           | 42.80             | -34.52         | -48.39         | -13.00         | 35.39          | 263            | 284          | Vertical |



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## Frequency Stability

### Test Result

| Band  | Bandwidth   | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|---------|
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | VH            | NT               | -71.10         | -0.019268       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | VL            | NT               | -71.10         | -0.019268       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | VN            | NT               | -72.50         | -0.019647       | PASS    |

| Band  | Bandwidth   | Modulation | Channel     | RB Configure    | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-------------|------------|-------------|-----------------|---------------|------------------|----------------|-----------------|---------|
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 50               | -69.40         | -0.018807       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 40               | -69.80         | -0.018915       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 30               | -66.30         | -0.017967       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 20               | -69.20         | -0.018753       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 10               | -70.20         | -0.019024       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | 0                | -69.50         | -0.018834       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | -10              | -71.00         | -0.019241       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | -20              | -69.00         | -0.018699       | PASS    |
| 42-42 | 20MHz-20MHz | QPSK-QPSK  | 44491-44689 | 100RB#0-100RB#0 | NV            | -30              | -69.30         | -0.018780       | PASS    |

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