



Report No.: SEWM2212000297RG01

Rev.: 01

Page: 1 of 63

# Appendix B.14

## LTE Band 71



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|-----------|-------------|---------|
| Band71 | 5MHz      | QPSK       | 133147  | 1RB#0            | 23.33       | 22.28     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133147  | 1RB#12           | 23.35       | 22.3      | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133147  | 1RB#24           | 23.26       | 22.21     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133147  | 25RB#0           | 22.31       | 21.26     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 1RB#0            | 23.45       | 22.4      | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 1RB#12           | 23.4        | 22.35     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 1RB#24           | 23.33       | 22.28     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 25RB#0           | 22.32       | 21.27     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 1RB#0            | 23.36       | 22.31     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 1RB#12           | 23.23       | 22.18     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 1RB#24           | 23.2        | 22.15     | 34.77       | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 25RB#0           | 22.19       | 21.14     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 1RB#0            | 22.38       | 21.33     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 1RB#12           | 22.62       | 21.57     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 1RB#24           | 22.22       | 21.17     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 25RB#0           | 21.31       | 20.26     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 1RB#0            | 22.42       | 21.37     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 1RB#12           | 22.66       | 21.61     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 1RB#24           | 22.45       | 21.4      | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 25RB#0           | 21.41       | 20.36     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 1RB#0            | 22.36       | 21.31     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 1RB#12           | 22.55       | 21.5      | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 1RB#24           | 22.22       | 21.17     | 34.77       | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 25RB#0           | 21.21       | 20.16     | 34.77       | PASS    |
| Band71 | 5MHz      | 64QAM      | 133147  | 1RB#0            | 21.46       | 20.41     | 34.77       | PASS    |
| Band71 | 5MHz      | 64QAM      | 133147  | 1RB#12           | 21.68       | 20.63     | 34.77       | PASS    |
| Band71 | 5MHz      | 64QAM      | 133147  | 1RB#24           | 21.52       | 20.47     | 34.77       | PASS    |



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|        |       |        |        |        |       |       |       |      |
|--------|-------|--------|--------|--------|-------|-------|-------|------|
| Band71 | 5MHz  | 64QAM  | 133147 | 25RB#0 | 20.34 | 19.29 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133297 | 1RB#0  | 21.57 | 20.52 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133297 | 1RB#12 | 21.56 | 20.51 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133297 | 1RB#24 | 21.61 | 20.56 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133297 | 25RB#0 | 20.39 | 19.34 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133447 | 1RB#0  | 21.34 | 20.29 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133447 | 1RB#12 | 21.65 | 20.6  | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133447 | 1RB#24 | 21.52 | 20.47 | 34.77 | PASS |
| Band71 | 5MHz  | 64QAM  | 133447 | 25RB#0 | 20.25 | 19.2  | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133147 | 1RB#0  | 18.23 | 17.18 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133147 | 1RB#12 | 18.53 | 17.48 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133147 | 1RB#24 | 18.29 | 17.24 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133147 | 25RB#0 | 18.34 | 17.29 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133297 | 1RB#0  | 18.48 | 17.43 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133297 | 1RB#12 | 18.59 | 17.54 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133297 | 1RB#24 | 18.31 | 17.26 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133297 | 25RB#0 | 18.44 | 17.39 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133447 | 1RB#0  | 18.33 | 17.28 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133447 | 1RB#12 | 18.28 | 17.23 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133447 | 1RB#24 | 18.29 | 17.24 | 34.77 | PASS |
| Band71 | 5MHz  | 256QAM | 133447 | 25RB#0 | 18.23 | 17.18 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133172 | 1RB#0  | 23.33 | 22.28 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133172 | 1RB#24 | 23.25 | 22.2  | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133172 | 1RB#49 | 23.16 | 22.11 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133172 | 50RB#0 | 22.37 | 21.32 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133297 | 1RB#0  | 23.36 | 22.31 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133297 | 1RB#24 | 23.46 | 22.41 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133297 | 1RB#49 | 23.19 | 22.14 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133297 | 50RB#0 | 22.37 | 21.32 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133422 | 1RB#0  | 23.55 | 22.5  | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133422 | 1RB#24 | 23.23 | 22.18 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133422 | 1RB#49 | 23.11 | 22.06 | 34.77 | PASS |
| Band71 | 10MHz | QPSK   | 133422 | 50RB#0 | 22.33 | 21.28 | 34.77 | PASS |



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|        |       |        |        |        |       |       |       |      |
|--------|-------|--------|--------|--------|-------|-------|-------|------|
| Band71 | 10MHz | 16QAM  | 133172 | 1RB#0  | 22.53 | 21.48 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133172 | 1RB#24 | 22.28 | 21.23 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133172 | 1RB#49 | 22.32 | 21.27 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133172 | 50RB#0 | 21.39 | 20.34 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133297 | 1RB#0  | 22.27 | 21.22 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133297 | 1RB#24 | 22.57 | 21.52 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133297 | 1RB#49 | 22.4  | 21.35 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133297 | 50RB#0 | 21.44 | 20.39 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133422 | 1RB#0  | 22.38 | 21.33 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133422 | 1RB#24 | 22.36 | 21.31 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133422 | 1RB#49 | 22.24 | 21.19 | 34.77 | PASS |
| Band71 | 10MHz | 16QAM  | 133422 | 50RB#0 | 21.24 | 20.19 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133172 | 1RB#0  | 21.7  | 20.65 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133172 | 1RB#24 | 21.49 | 20.44 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133172 | 1RB#49 | 21.39 | 20.34 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133172 | 50RB#0 | 20.33 | 19.28 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133297 | 1RB#0  | 21.53 | 20.48 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133297 | 1RB#24 | 21.76 | 20.71 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133297 | 1RB#49 | 21.28 | 20.23 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133297 | 50RB#0 | 20.38 | 19.33 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133422 | 1RB#0  | 21.41 | 20.36 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133422 | 1RB#24 | 21.43 | 20.38 | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133422 | 1RB#49 | 21.25 | 20.2  | 34.77 | PASS |
| Band71 | 10MHz | 64QAM  | 133422 | 50RB#0 | 20.29 | 19.24 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133172 | 1RB#0  | 18.42 | 17.37 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133172 | 1RB#24 | 18.51 | 17.46 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133172 | 1RB#49 | 18.34 | 17.29 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133172 | 50RB#0 | 18.32 | 17.27 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133297 | 1RB#0  | 18.49 | 17.44 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133297 | 1RB#24 | 18.71 | 17.66 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133297 | 1RB#49 | 18.44 | 17.39 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133297 | 50RB#0 | 18.36 | 17.31 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133422 | 1RB#0  | 18.33 | 17.28 | 34.77 | PASS |



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|        |       |        |        |        |       |       |       |      |
|--------|-------|--------|--------|--------|-------|-------|-------|------|
| Band71 | 10MHz | 256QAM | 133422 | 1RB#24 | 18.35 | 17.3  | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133422 | 1RB#49 | 18.33 | 17.28 | 34.77 | PASS |
| Band71 | 10MHz | 256QAM | 133422 | 50RB#0 | 18.3  | 17.25 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133197 | 1RB#0  | 23.24 | 22.19 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133197 | 1RB#38 | 23.07 | 22.02 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133197 | 1RB#74 | 23.44 | 22.39 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133197 | 75RB#0 | 22.34 | 21.29 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133297 | 1RB#0  | 23.33 | 22.28 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133297 | 1RB#38 | 23.21 | 22.16 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133297 | 1RB#74 | 22.94 | 21.89 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133297 | 75RB#0 | 22.25 | 21.2  | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133397 | 1RB#0  | 22.52 | 21.47 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133397 | 1RB#38 | 22.96 | 21.91 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133397 | 1RB#74 | 23.06 | 22.01 | 34.77 | PASS |
| Band71 | 15MHz | QPSK   | 133397 | 75RB#0 | 22.22 | 21.17 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133197 | 1RB#0  | 22.24 | 21.19 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133197 | 1RB#38 | 22.28 | 21.23 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133197 | 1RB#74 | 22.21 | 21.16 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133197 | 75RB#0 | 21.15 | 20.1  | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133297 | 1RB#0  | 22.07 | 21.02 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133297 | 1RB#38 | 22.34 | 21.29 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133297 | 1RB#74 | 22.13 | 21.08 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133297 | 75RB#0 | 21.26 | 20.21 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133397 | 1RB#0  | 22.21 | 21.16 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133397 | 1RB#38 | 21.97 | 20.92 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133397 | 1RB#74 | 22.19 | 21.14 | 34.77 | PASS |
| Band71 | 15MHz | 16QAM  | 133397 | 75RB#0 | 21.19 | 20.14 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133197 | 1RB#0  | 21.35 | 20.3  | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133197 | 1RB#38 | 21.18 | 20.13 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133197 | 1RB#74 | 21.33 | 20.28 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133197 | 75RB#0 | 20.25 | 19.2  | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133297 | 1RB#0  | 21.34 | 20.29 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133297 | 1RB#38 | 21.35 | 20.3  | 34.77 | PASS |



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|        |       |        |        |         |       |       |       |      |
|--------|-------|--------|--------|---------|-------|-------|-------|------|
| Band71 | 15MHz | 64QAM  | 133297 | 1RB#74  | 21.25 | 20.2  | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133297 | 75RB#0  | 20.27 | 19.22 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133397 | 1RB#0   | 21.39 | 20.34 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133397 | 1RB#38  | 21.22 | 20.17 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133397 | 1RB#74  | 21.23 | 20.18 | 34.77 | PASS |
| Band71 | 15MHz | 64QAM  | 133397 | 75RB#0  | 20.23 | 19.18 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133197 | 1RB#0   | 18.14 | 17.09 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133197 | 1RB#38  | 18.23 | 17.18 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133197 | 1RB#74  | 18.55 | 17.5  | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133197 | 75RB#0  | 18.26 | 17.21 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133297 | 1RB#0   | 18.18 | 17.13 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133297 | 1RB#38  | 18.43 | 17.38 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133297 | 1RB#74  | 18.36 | 17.31 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133297 | 75RB#0  | 18.24 | 17.19 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133397 | 1RB#0   | 18.25 | 17.2  | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133397 | 1RB#38  | 18.23 | 17.18 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133397 | 1RB#74  | 18.32 | 17.27 | 34.77 | PASS |
| Band71 | 15MHz | 256QAM | 133397 | 75RB#0  | 18.24 | 17.19 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133222 | 1RB#0   | 23.08 | 22.03 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133222 | 1RB#49  | 23.07 | 22.02 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133222 | 1RB#99  | 23.23 | 22.18 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133222 | 100RB#0 | 22.29 | 21.24 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133322 | 1RB#0   | 23.52 | 22.47 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133322 | 1RB#49  | 23.13 | 22.08 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133322 | 1RB#99  | 22.95 | 21.9  | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133322 | 100RB#0 | 22.32 | 21.27 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133372 | 1RB#0   | 23.35 | 22.3  | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133372 | 1RB#49  | 23    | 21.95 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133372 | 1RB#99  | 23.28 | 22.23 | 34.77 | PASS |
| Band71 | 20MHz | QPSK   | 133372 | 100RB#0 | 22.24 | 21.19 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133222 | 1RB#0   | 22.27 | 21.22 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133222 | 1RB#49  | 22.51 | 21.46 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133222 | 1RB#99  | 22.16 | 21.11 | 34.77 | PASS |



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|        |       |        |        |         |       |       |       |      |
|--------|-------|--------|--------|---------|-------|-------|-------|------|
| Band71 | 20MHz | 16QAM  | 133222 | 100RB#0 | 21.3  | 20.25 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133322 | 1RB#0   | 22.28 | 21.23 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133322 | 1RB#49  | 22.21 | 21.16 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133322 | 1RB#99  | 22.03 | 20.98 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133322 | 100RB#0 | 21.24 | 20.19 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133372 | 1RB#0   | 22.46 | 21.41 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133372 | 1RB#49  | 22.09 | 21.04 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133372 | 1RB#99  | 22    | 20.95 | 34.77 | PASS |
| Band71 | 20MHz | 16QAM  | 133372 | 100RB#0 | 21.27 | 20.22 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133222 | 1RB#0   | 21.26 | 20.21 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133222 | 1RB#49  | 21.19 | 20.14 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133222 | 1RB#99  | 21.28 | 20.23 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133222 | 100RB#0 | 20.25 | 19.2  | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133322 | 1RB#0   | 21.36 | 20.31 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133322 | 1RB#49  | 21.29 | 20.24 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133322 | 1RB#99  | 20.85 | 19.8  | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133322 | 100RB#0 | 20.31 | 19.26 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133372 | 1RB#0   | 21.36 | 20.31 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133372 | 1RB#49  | 21.43 | 20.38 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133372 | 1RB#99  | 21.07 | 20.02 | 34.77 | PASS |
| Band71 | 20MHz | 64QAM  | 133372 | 100RB#0 | 20.27 | 19.22 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133222 | 1RB#0   | 18.22 | 17.17 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133222 | 1RB#49  | 17.93 | 16.88 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133222 | 1RB#99  | 18.36 | 17.31 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133222 | 100RB#0 | 18.31 | 17.26 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133322 | 1RB#0   | 18.37 | 17.32 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133322 | 1RB#49  | 18.31 | 17.26 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133322 | 1RB#99  | 18.25 | 17.2  | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133322 | 100RB#0 | 18.2  | 17.15 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133372 | 1RB#0   | 18.55 | 17.5  | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133372 | 1RB#49  | 18.19 | 17.14 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133372 | 1RB#99  | 18.18 | 17.13 | 34.77 | PASS |
| Band71 | 20MHz | 256QAM | 133372 | 100RB#0 | 18.19 | 17.14 | 34.77 | PASS |



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Rev.: 01

Page: 8 of 63



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## Peak-to-Average Ratio(CCDF)

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band71 | 20MHz     | QPSK       | 133222  | 100RB#0          | 5.18       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0          | 5.06       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133372  | 100RB#0          | 5.16       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133222  | 100RB#0          | 6.00       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133322  | 100RB#0          | 5.98       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133372  | 100RB#0          | 6.10       | 13        | PASS    |
| Band71 | 20MHz     | 64QAM      | 133222  | 100RB#0          | 6.54       | 13        | PASS    |
| Band71 | 20MHz     | 64QAM      | 133322  | 100RB#0          | 6.52       | 13        | PASS    |
| Band71 | 20MHz     | 64QAM      | 133372  | 100RB#0          | 6.50       | 13        | PASS    |
| Band71 | 20MHz     | 256QAM     | 133222  | 100RB#0          | 6.86       | 13        | PASS    |
| Band71 | 20MHz     | 256QAM     | 133322  | 100RB#0          | 6.76       | 13        | PASS    |
| Band71 | 20MHz     | 256QAM     | 133372  | 100RB#0          | 6.84       | 13        | PASS    |



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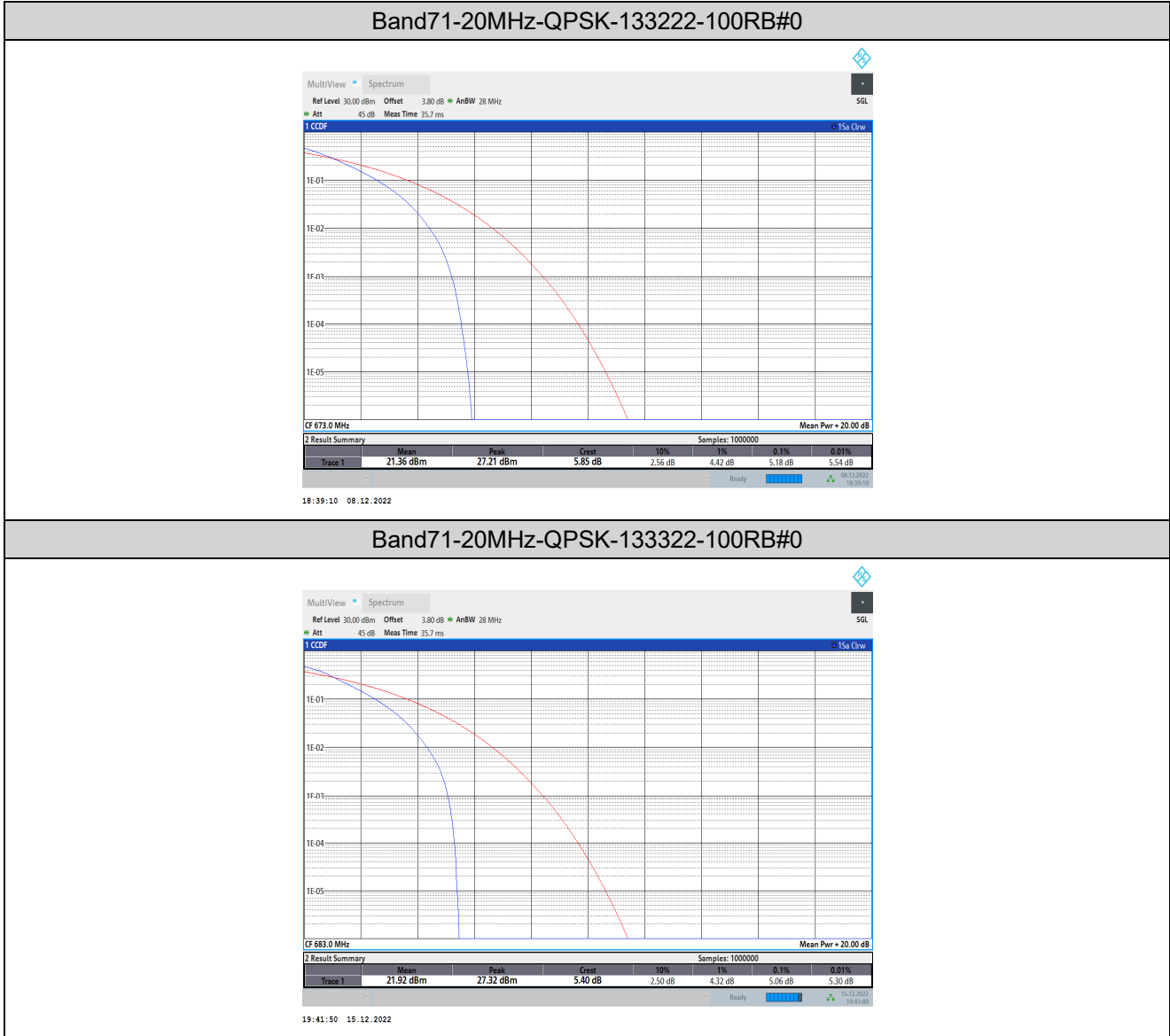
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Test Graphs

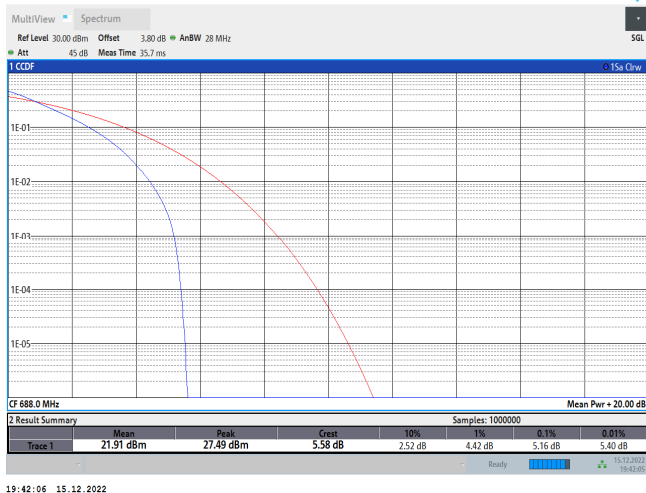


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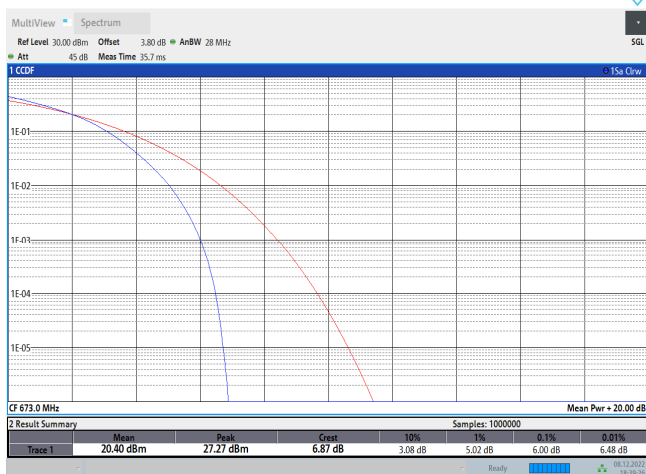
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Band71-20MHz-QPSK-133372-100RB#0



19:42:06 15.12.2022

Band71-20MHz-16QAM-133222-100RB#0

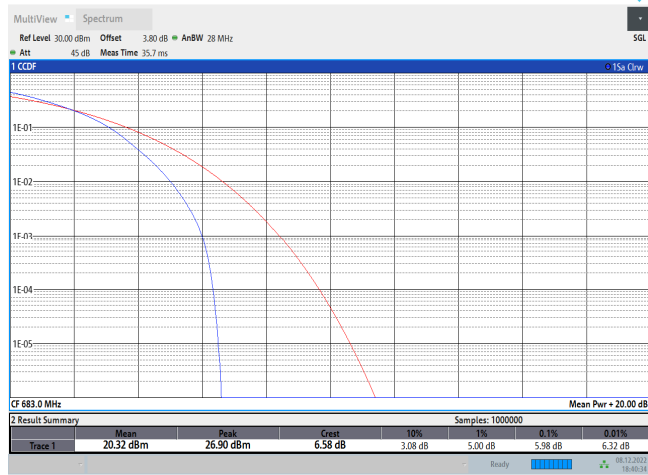


18:39:27 08.12.2022



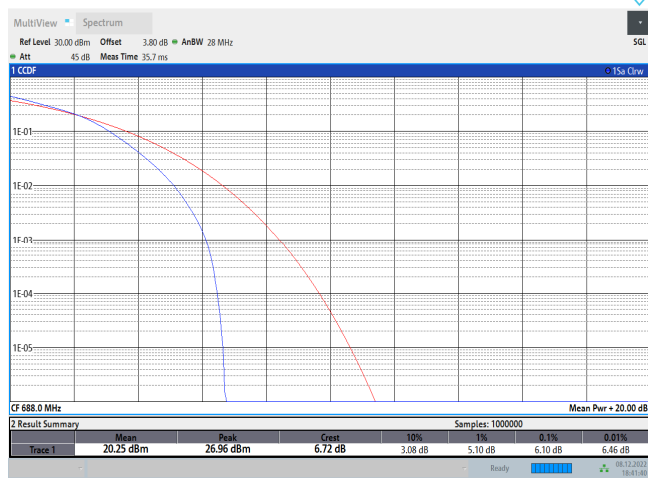
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Band71-20MHz-16QAM-133322-100RB#0



18:40:34 08.12.2022

Band71-20MHz-16QAM-133372-100RB#0

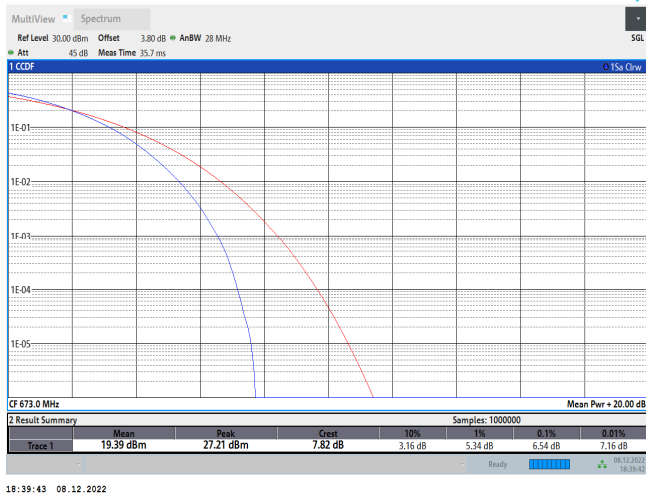


18:41:41 08.12.2022



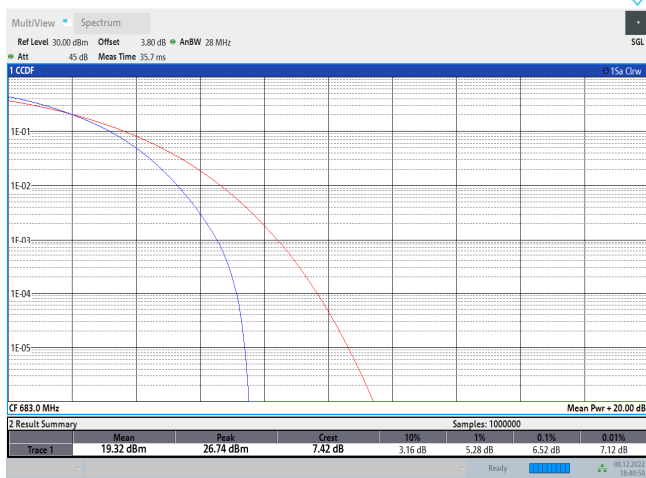
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Band71-20MHz-64QAM-133222-100RB#0



18:39:43 08.12.2022

Band71-20MHz-64QAM-133222-100RB#0



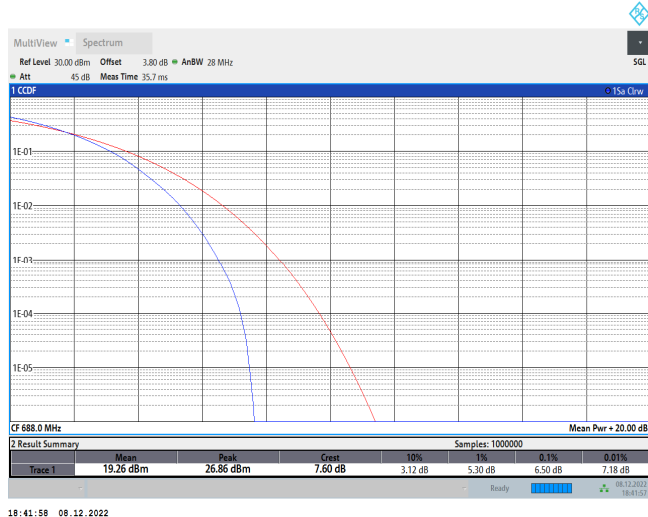
18:40:50 08.12.2022



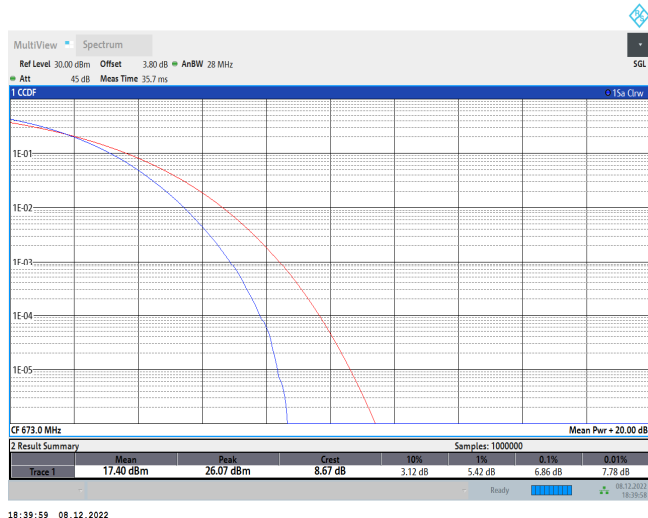
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Band71-20MHz-64QAM-133372-100RB#0



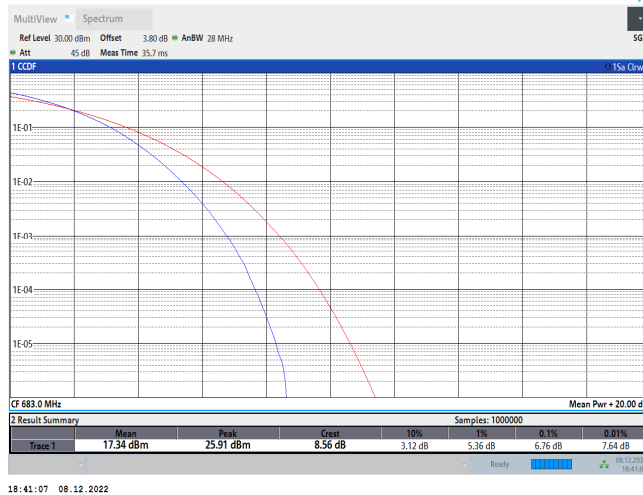
Band71-20MHz-256QAM-133222-100RB#0



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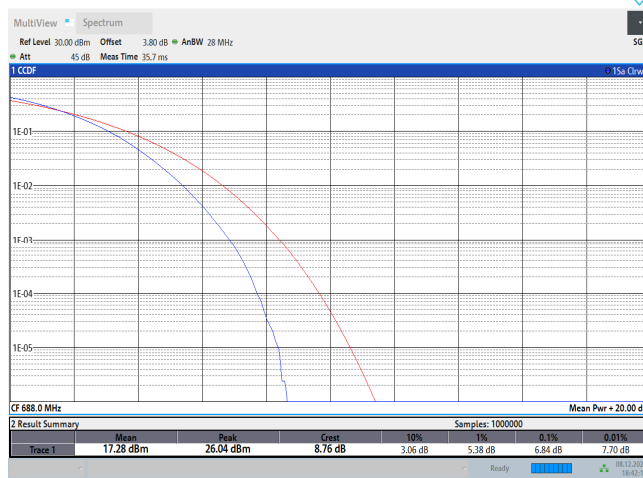
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Band71-20MHz-256QAM-133322-100RB#0



18:41:07 08.12.2022

Band71-20MHz-256QAM-133372-100RB#0



18:42:14 08.12.2022



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## Modulation Characteristics

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|--------|-----------|------------|---------|------------------|--------|---------|
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0          | PASS   | PASS    |
| Band71 | 20MHz     | 16QAM      | 133322  | 100RB#0          | PASS   | PASS    |
| Band71 | 20MHz     | 64QAM      | 133322  | 100RB#0          | PASS   | PASS    |
| Band71 | 20MHz     | 256QAM     | 133322  | 100RB#0          | PASS   | PASS    |



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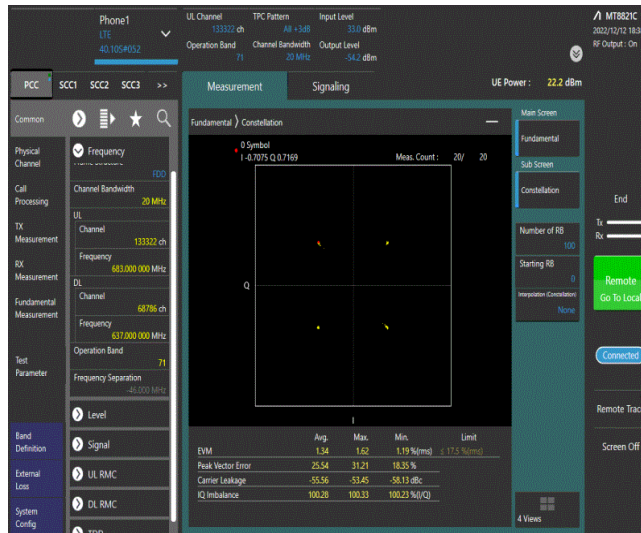
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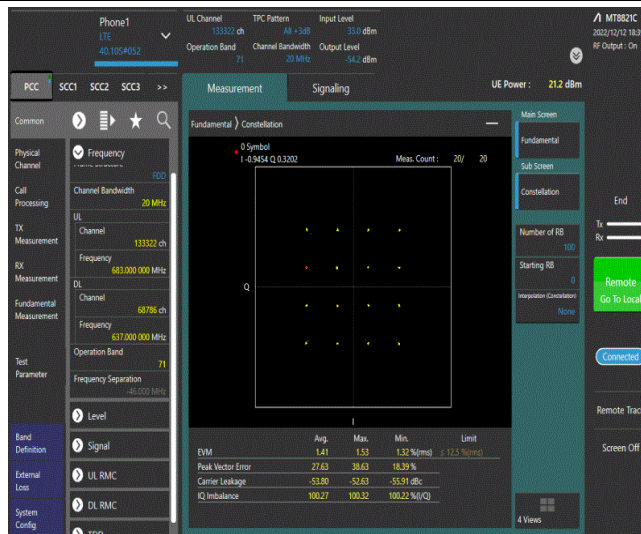
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Test Graphs

Band71-20MHz-QPSK-133322-100RB#0

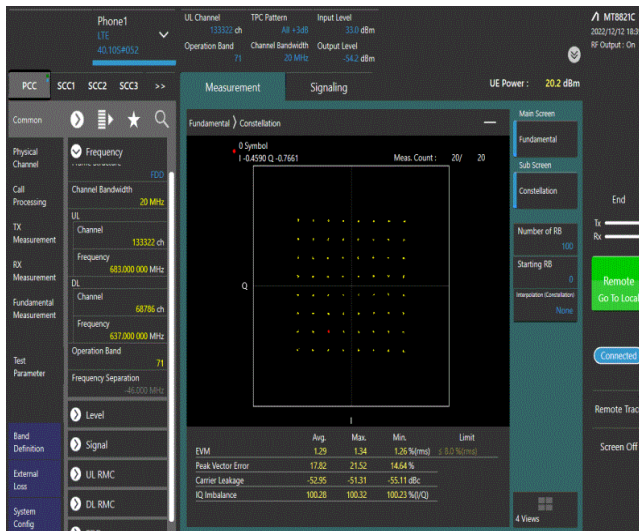


Band71-20MHz-16QAM-133322-100RB#0

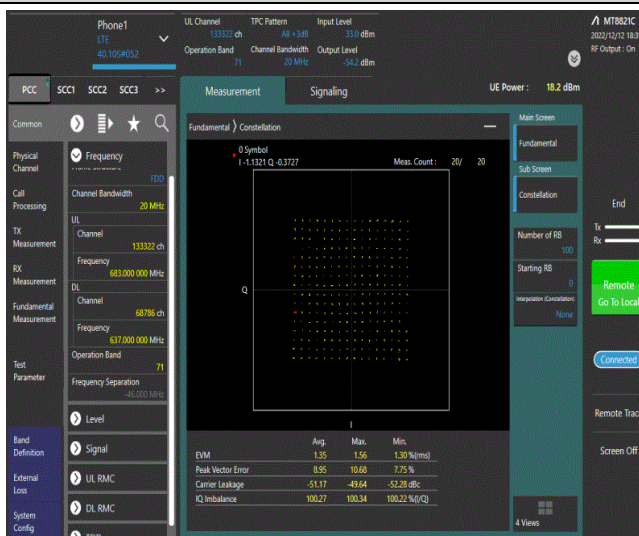


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Band71-20MHz-64QAM-133322-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band71 | 5MHz      | QPSK       | 133147  | 25RB#0           | 4.475                    | 4.98                 | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 25RB#0           | 4.475                    | 5.04                 | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 25RB#0           | 4.47                     | 5.01                 | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 25RB#0           | 4.473                    | 4.98                 | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 25RB#0           | 4.473                    | 5.03                 | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 25RB#0           | 4.479                    | 5.00                 | PASS    |
| Band71 | 5MHz      | 64QAM      | 133147  | 25RB#0           | 4.47                     | 5.05                 | PASS    |
| Band71 | 5MHz      | 64QAM      | 133297  | 25RB#0           | 4.476                    | 5.05                 | PASS    |
| Band71 | 5MHz      | 64QAM      | 133447  | 25RB#0           | 4.473                    | 5.11                 | PASS    |
| Band71 | 5MHz      | 256QAM     | 133147  | 25RB#0           | 4.47                     | 5.03                 | PASS    |
| Band71 | 5MHz      | 256QAM     | 133297  | 25RB#0           | 4.477                    | 5.09                 | PASS    |
| Band71 | 5MHz      | 256QAM     | 133447  | 25RB#0           | 4.466                    | 5.02                 | PASS    |
| Band71 | 10MHz     | QPSK       | 133172  | 50RB#0           | 8.909                    | 9.74                 | PASS    |
| Band71 | 10MHz     | QPSK       | 133297  | 50RB#0           | 8.904                    | 9.78                 | PASS    |
| Band71 | 10MHz     | QPSK       | 133422  | 50RB#0           | 8.924                    | 9.80                 | PASS    |
| Band71 | 10MHz     | 16QAM      | 133172  | 50RB#0           | 8.918                    | 10.02                | PASS    |
| Band71 | 10MHz     | 16QAM      | 133297  | 50RB#0           | 8.899                    | 9.82                 | PASS    |
| Band71 | 10MHz     | 16QAM      | 133422  | 50RB#0           | 8.934                    | 9.78                 | PASS    |
| Band71 | 10MHz     | 64QAM      | 133172  | 50RB#0           | 8.915                    | 9.78                 | PASS    |
| Band71 | 10MHz     | 64QAM      | 133297  | 50RB#0           | 8.923                    | 9.64                 | PASS    |
| Band71 | 10MHz     | 64QAM      | 133422  | 50RB#0           | 8.935                    | 9.70                 | PASS    |
| Band71 | 10MHz     | 256QAM     | 133172  | 50RB#0           | 8.908                    | 9.78                 | PASS    |
| Band71 | 10MHz     | 256QAM     | 133297  | 50RB#0           | 8.915                    | 9.82                 | PASS    |
| Band71 | 10MHz     | 256QAM     | 133422  | 50RB#0           | 8.923                    | 9.76                 | PASS    |
| Band71 | 15MHz     | QPSK       | 133197  | 75RB#0           | 13.485                   | 15.03                | PASS    |
| Band71 | 15MHz     | QPSK       | 133297  | 75RB#0           | 13.393                   | 14.91                | PASS    |
| Band71 | 15MHz     | QPSK       | 133397  | 75RB#0           | 13.532                   | 15.03                | PASS    |
| Band71 | 15MHz     | 16QAM      | 133197  | 75RB#0           | 13.478                   | 15.06                | PASS    |
| Band71 | 15MHz     | 16QAM      | 133297  | 75RB#0           | 13.399                   | 14.82                | PASS    |
| Band71 | 15MHz     | 16QAM      | 133397  | 75RB#0           | 13.508                   | 15.09                | PASS    |



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Report No.: SEWM2212000297RG01

Rev.: 01

Page: 20 of 63

|        |       |        |        |         |        |       |      |
|--------|-------|--------|--------|---------|--------|-------|------|
| Band71 | 15MHz | 64QAM  | 133197 | 75RB#0  | 13.49  | 14.94 | PASS |
| Band71 | 15MHz | 64QAM  | 133297 | 75RB#0  | 13.4   | 14.88 | PASS |
| Band71 | 15MHz | 64QAM  | 133397 | 75RB#0  | 13.507 | 15.03 | PASS |
| Band71 | 15MHz | 256QAM | 133197 | 75RB#0  | 13.471 | 15.00 | PASS |
| Band71 | 15MHz | 256QAM | 133297 | 75RB#0  | 13.379 | 14.79 | PASS |
| Band71 | 15MHz | 256QAM | 133397 | 75RB#0  | 13.515 | 15.06 | PASS |
| Band71 | 20MHz | QPSK   | 133222 | 100RB#0 | 17.885 | 19.64 | PASS |
| Band71 | 20MHz | QPSK   | 133322 | 100RB#0 | 17.83  | 19.56 | PASS |
| Band71 | 20MHz | QPSK   | 133372 | 100RB#0 | 17.941 | 19.80 | PASS |
| Band71 | 20MHz | 16QAM  | 133222 | 100RB#0 | 17.877 | 19.60 | PASS |
| Band71 | 20MHz | 16QAM  | 133322 | 100RB#0 | 17.827 | 19.36 | PASS |
| Band71 | 20MHz | 16QAM  | 133372 | 100RB#0 | 17.952 | 19.68 | PASS |
| Band71 | 20MHz | 64QAM  | 133222 | 100RB#0 | 17.876 | 19.52 | PASS |
| Band71 | 20MHz | 64QAM  | 133322 | 100RB#0 | 17.821 | 19.52 | PASS |
| Band71 | 20MHz | 64QAM  | 133372 | 100RB#0 | 17.961 | 19.64 | PASS |
| Band71 | 20MHz | 256QAM | 133222 | 100RB#0 | 17.88  | 19.60 | PASS |
| Band71 | 20MHz | 256QAM | 133322 | 100RB#0 | 17.816 | 19.60 | PASS |
| Band71 | 20MHz | 256QAM | 133372 | 100RB#0 | 17.925 | 19.72 | PASS |



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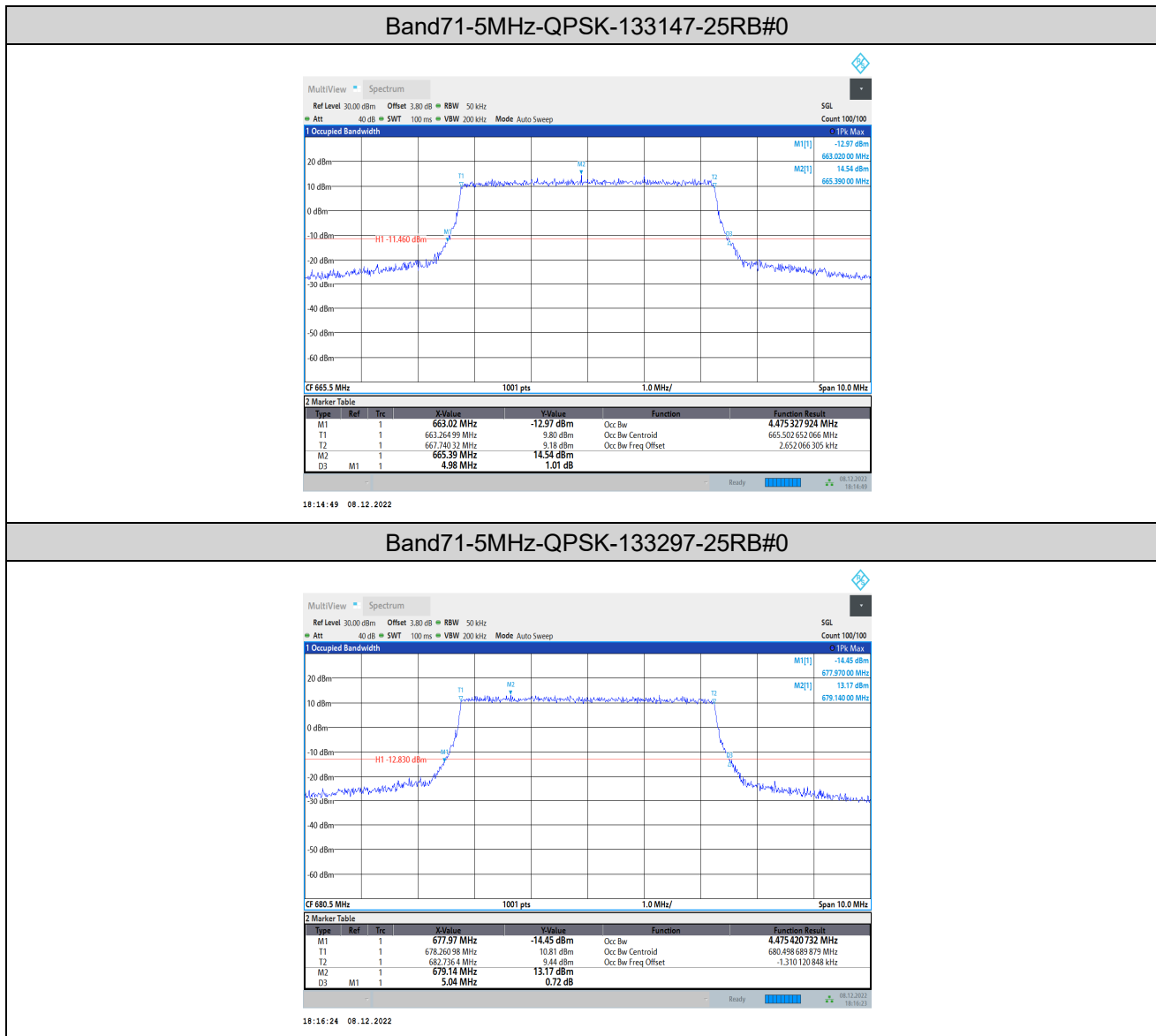
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Test Graphs

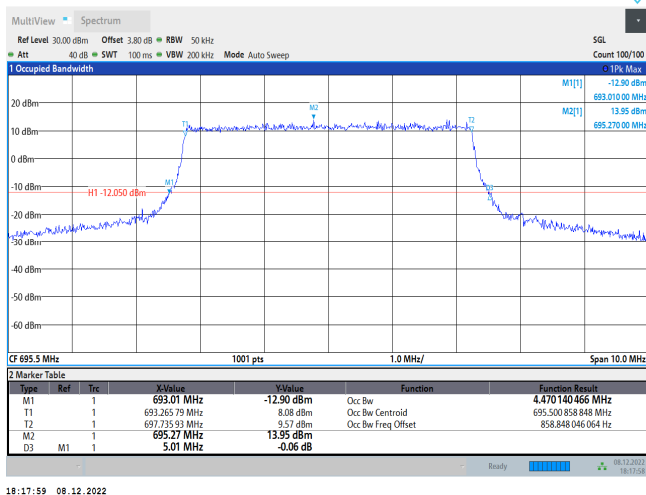


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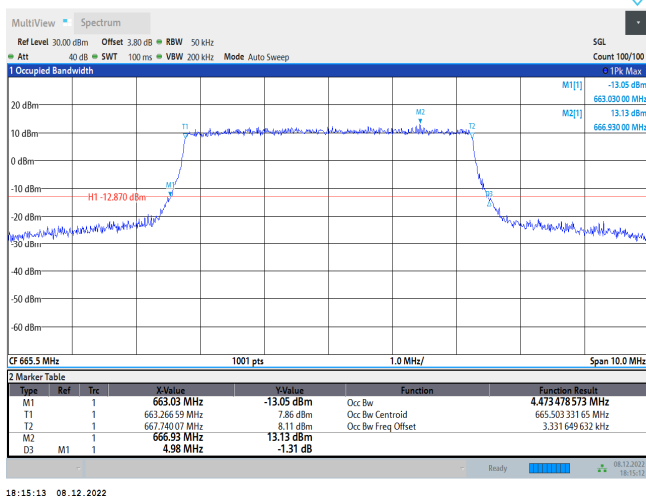
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Band71-5MHz-QPSK-133447-25RB#0



Band71-5MHz-16QAM-133147-25RB#0

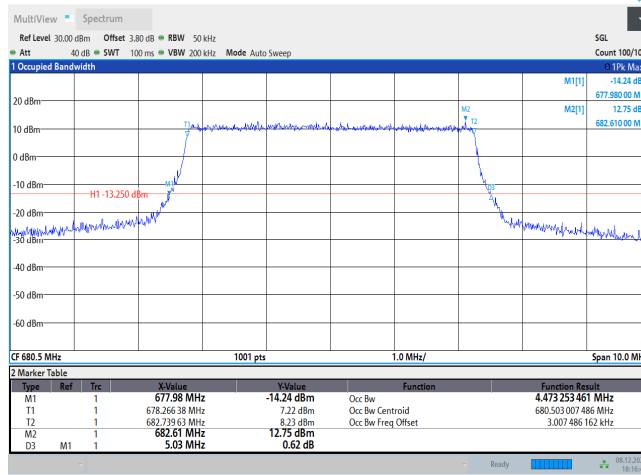


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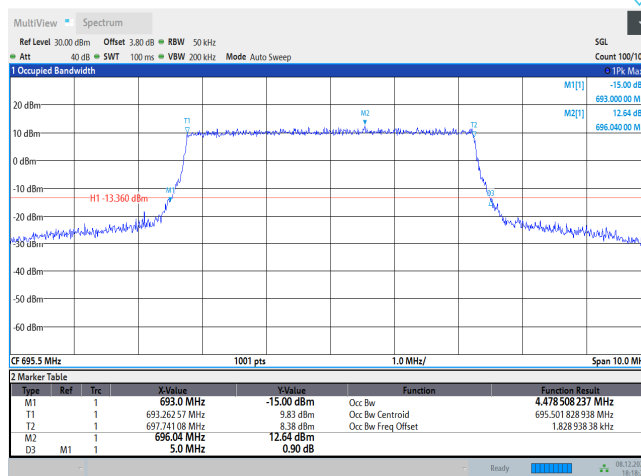
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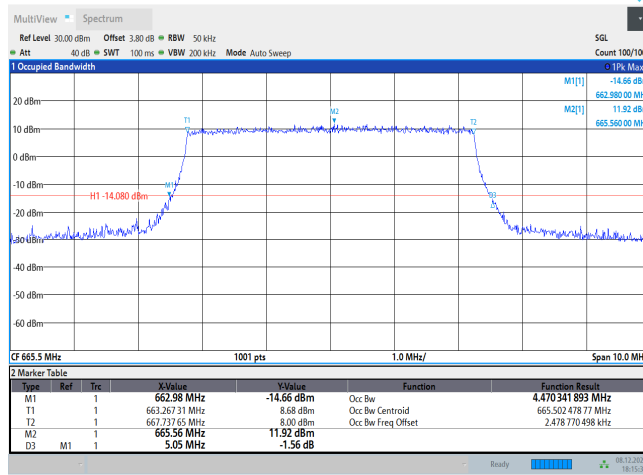


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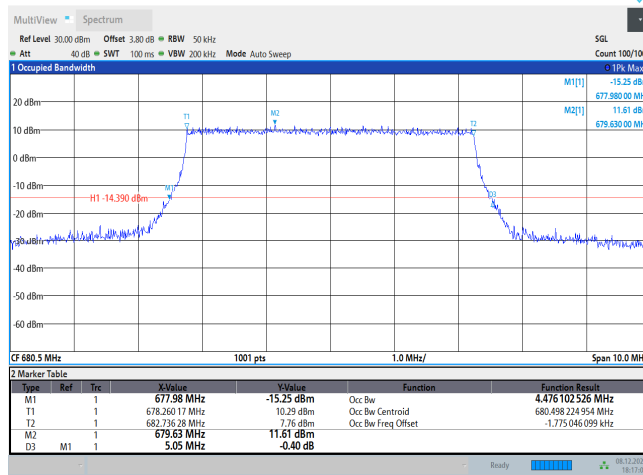


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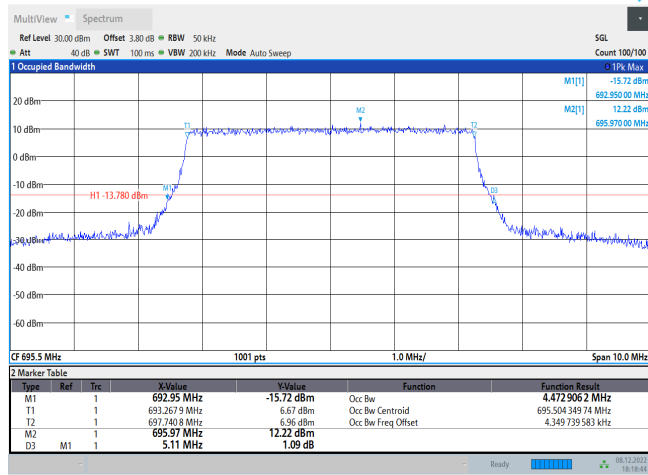


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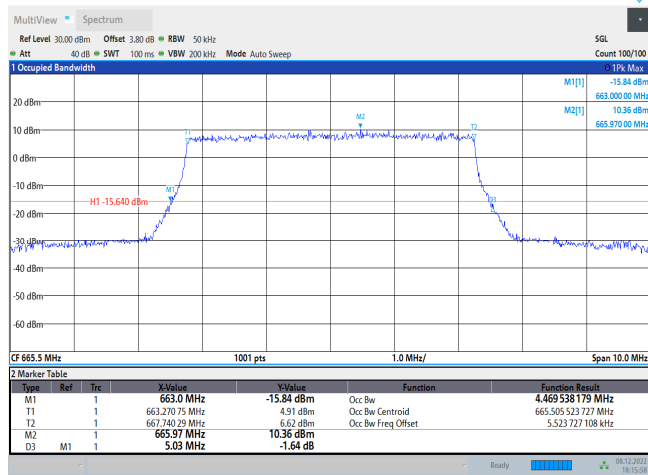
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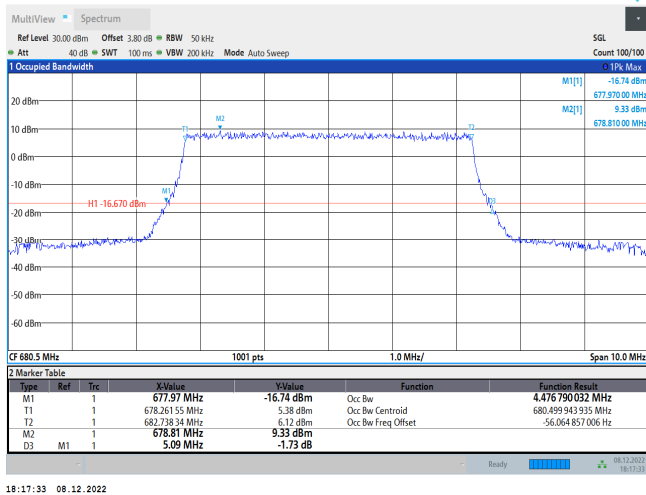


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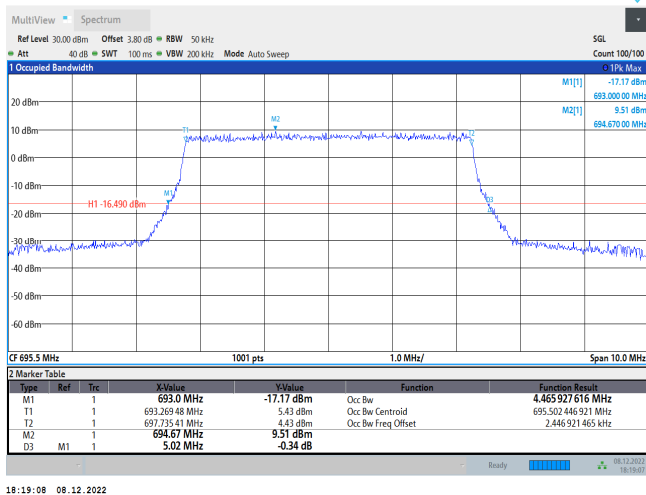
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Band71-5MHz-256QAM-133447-25RB#0

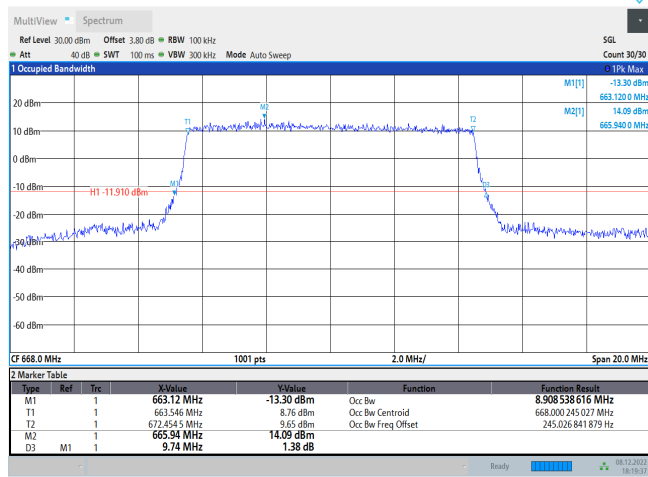


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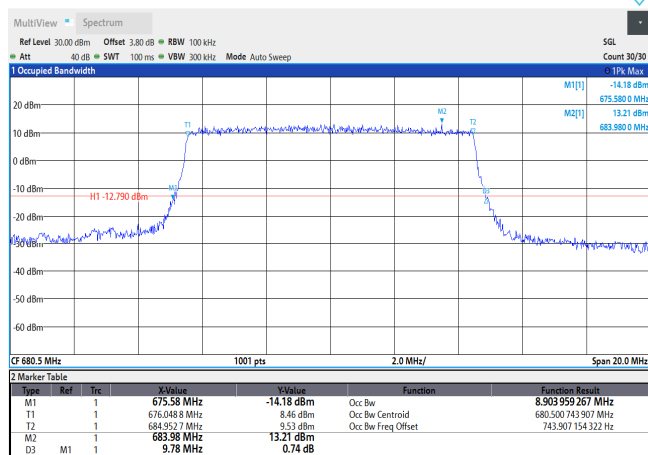
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Band71-10MHz-QPSK-133172-50RB#0



18:19:37 08.12.2022

Band71-10MHz-QPSK-133297-50RB#0

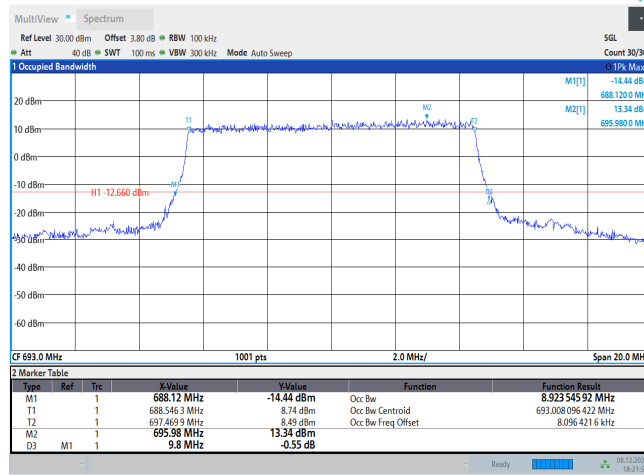


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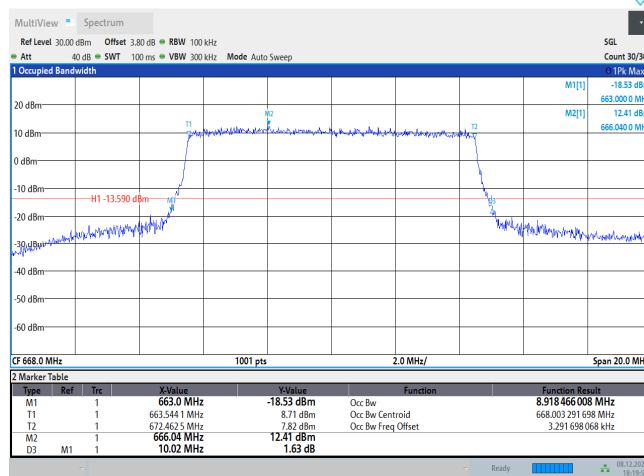
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Band71-10MHz-QPSK-133422-50RB#0



18:21:50 08.12.2022

Band71-10MHz-16QAM-133172-50RB#0



18:19:53 08.12.2022



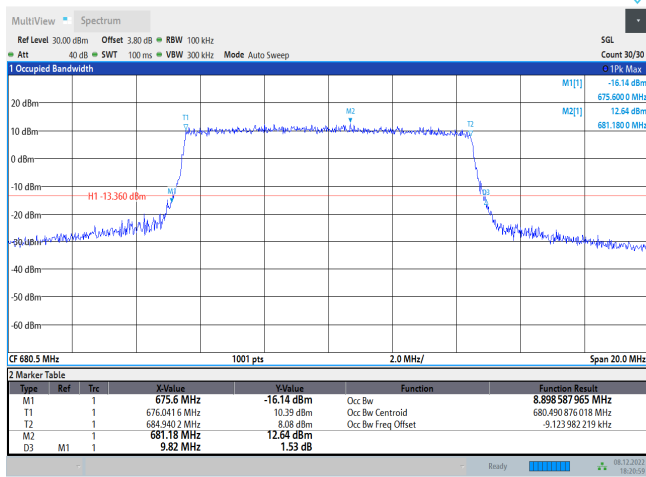
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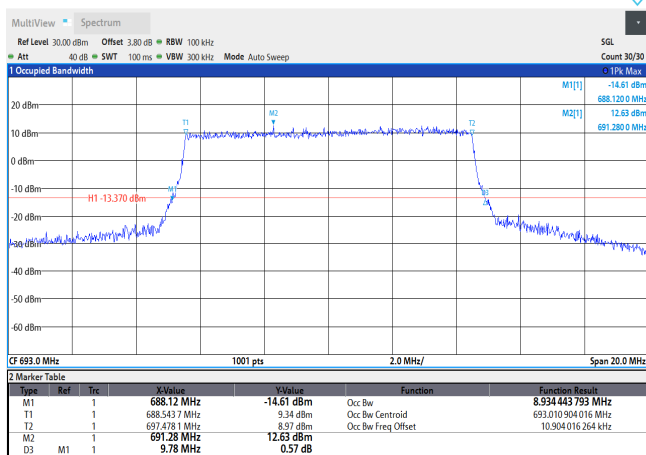


Band71-10MHz-16QAM-133297-50RB#0



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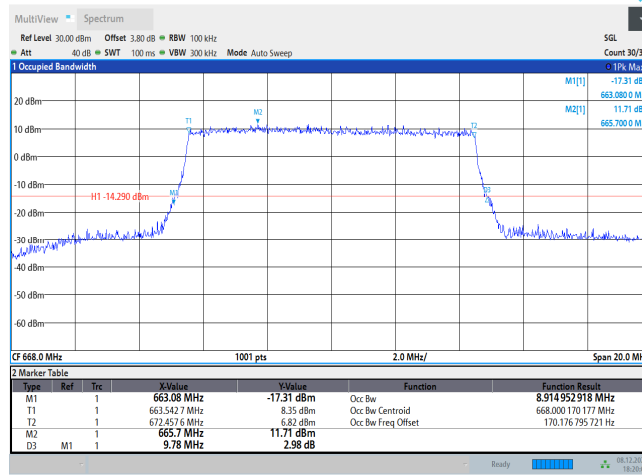


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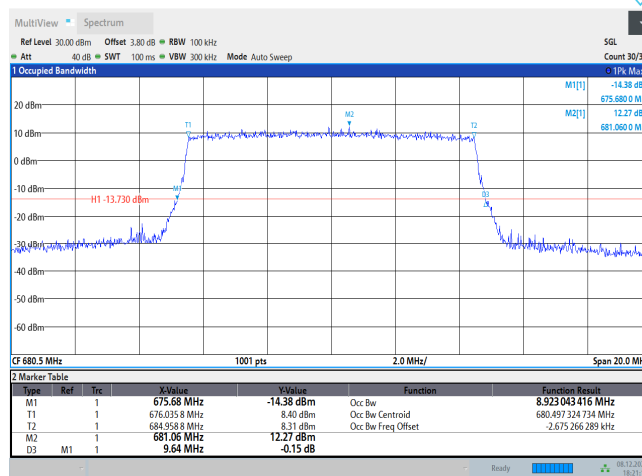
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Band71-10MHz-64QAM-133172-50RB#0



18:20:09 08.12.2022

Band71-10MHz-64QAM-133297-50RB#0

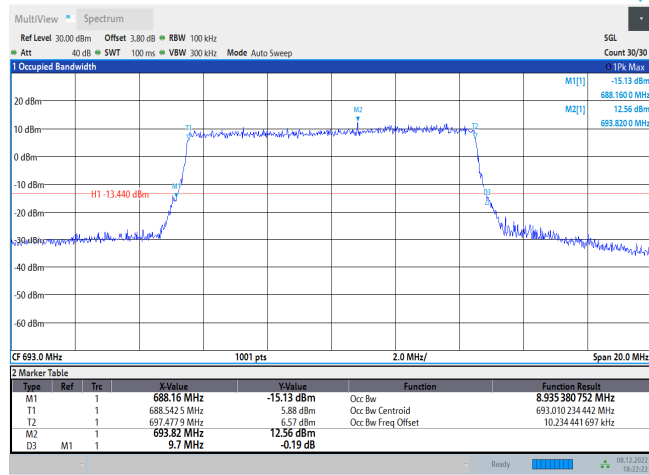


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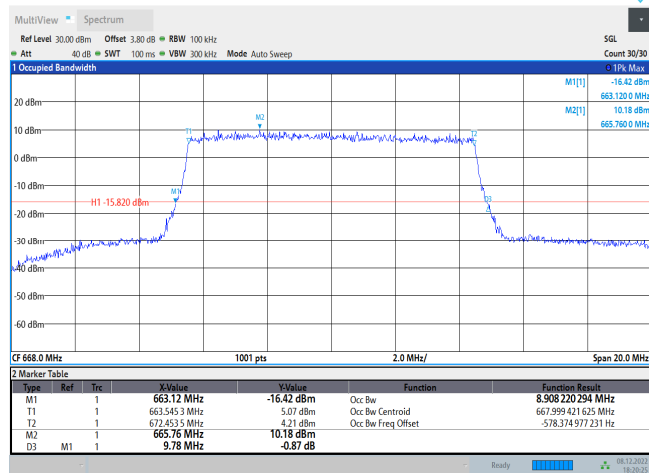
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Band71-10MHz-64QAM-133422-50RB#0



18:22:22 08.12.2022

Band71-10MHz-256QAM-133172-50RB#0

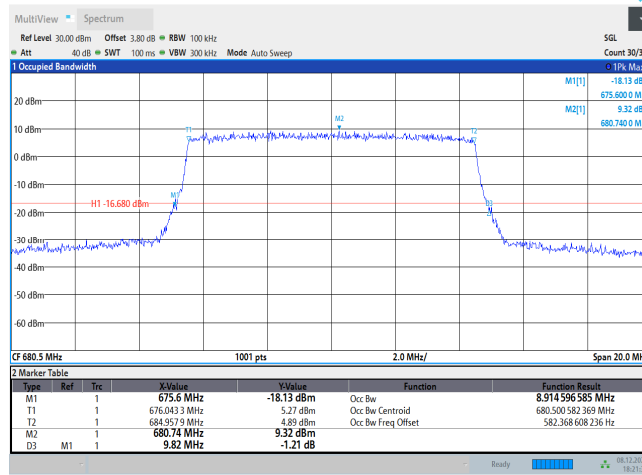


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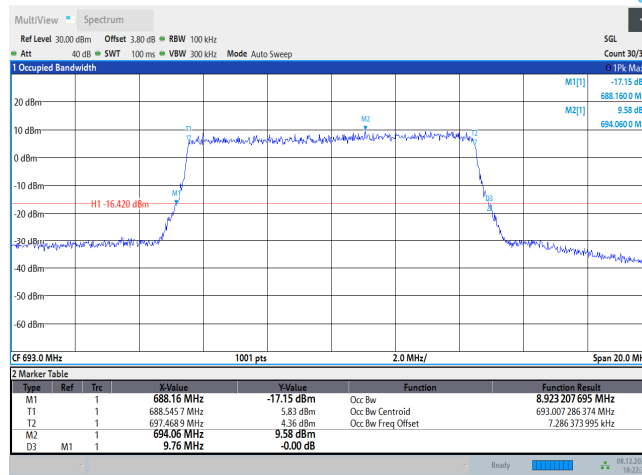
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Band71-10MHz-256QAM-133297-50RB#0



18:21:32 08.12.2022

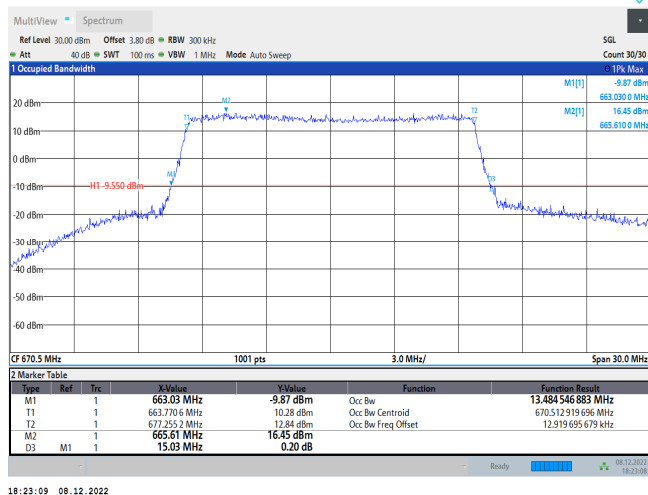
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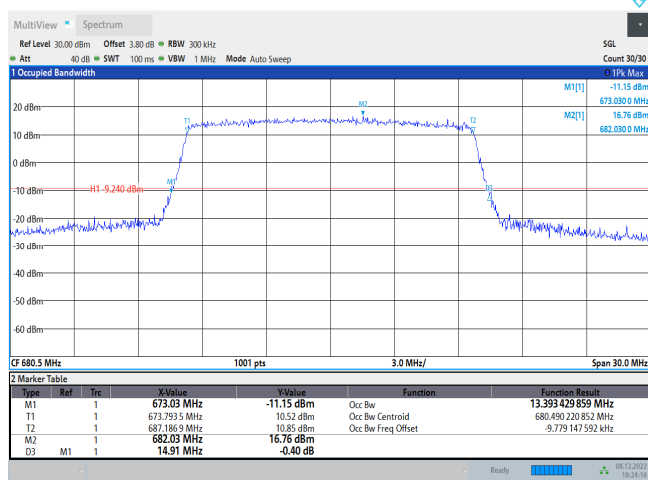


Band71-15MHz-QPSK-133197-75RB#0



18:23:09 08.12.2022

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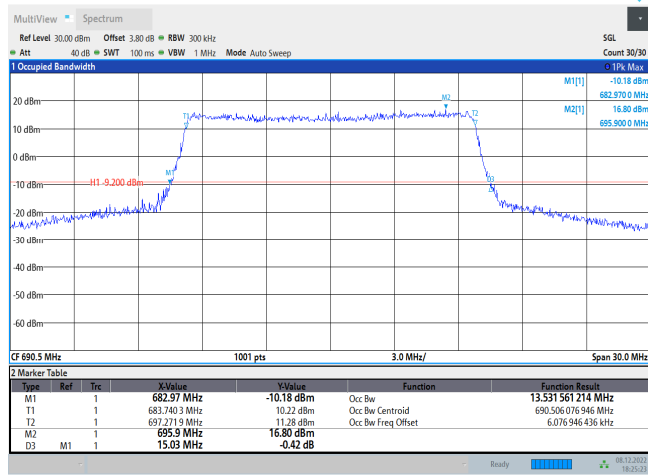
18:24:16 08.12.2022



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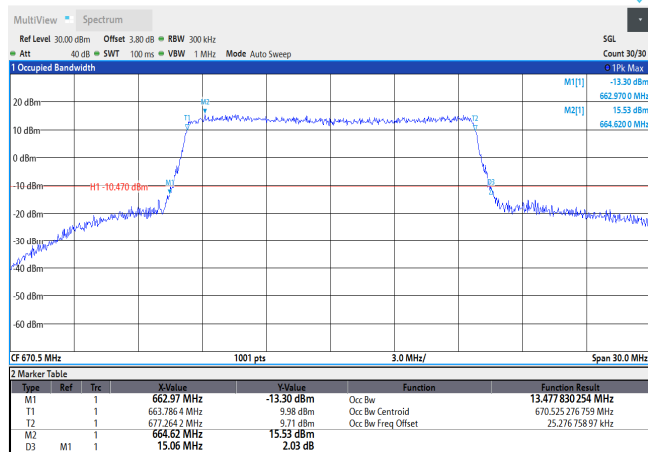


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Band71-15MHz-16QAM-133197-75RB#0

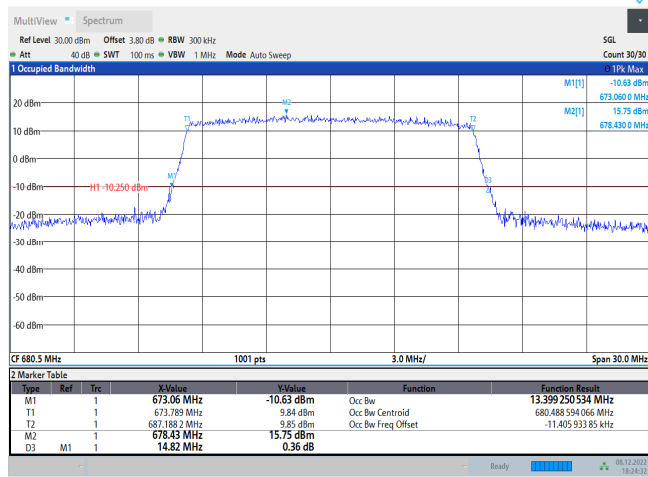


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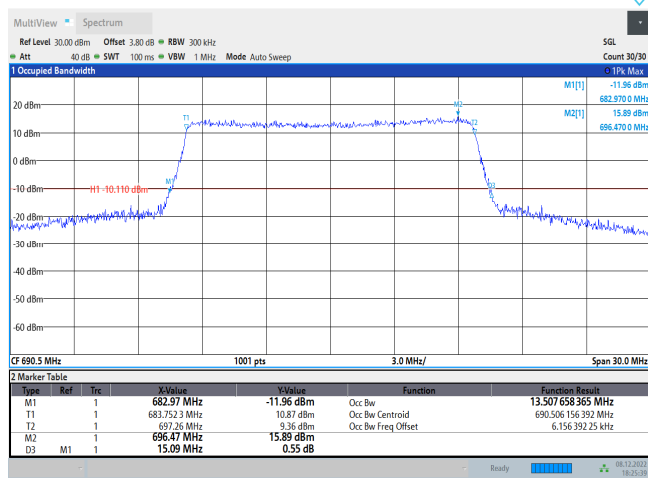


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Band71-15MHz-16QAM-133297-75RB#0



Band71-15MHz-16QAM-133397-75RB#0

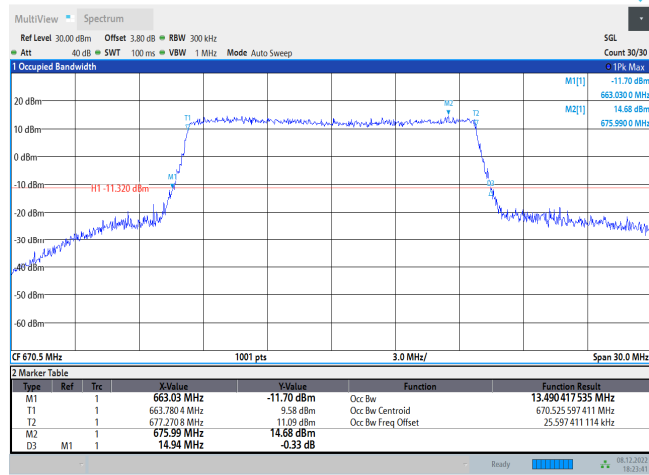


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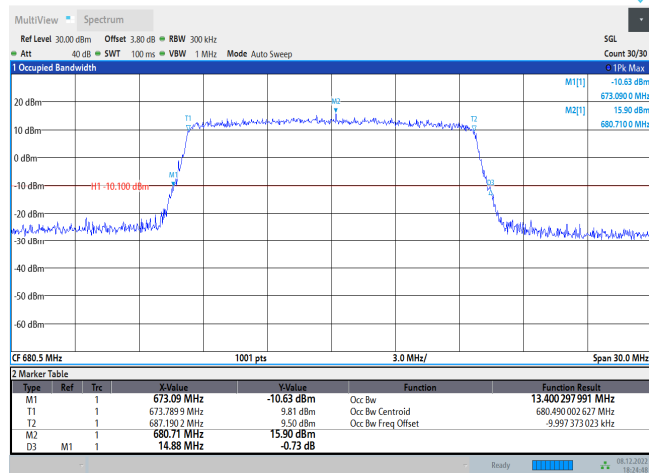
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Band71-15MHz-64QAM-133197-75RB#0



18:23:42 08.12.2022

Band71-15MHz-64QAM-133297-75RB#0

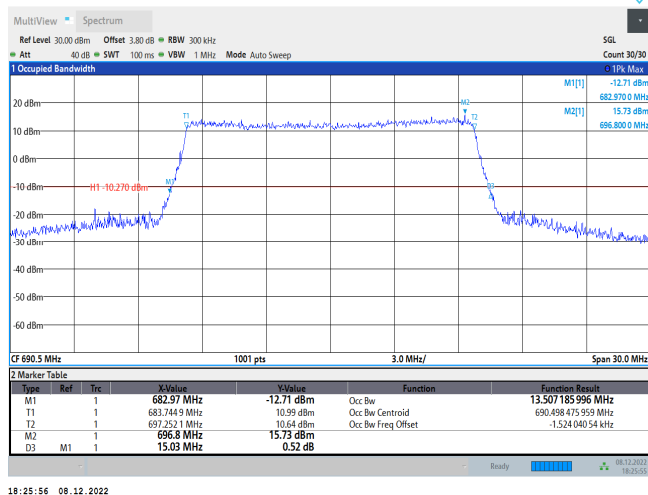


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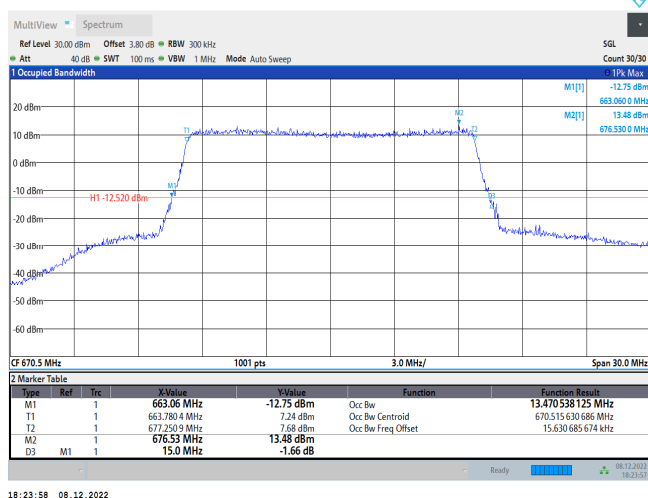


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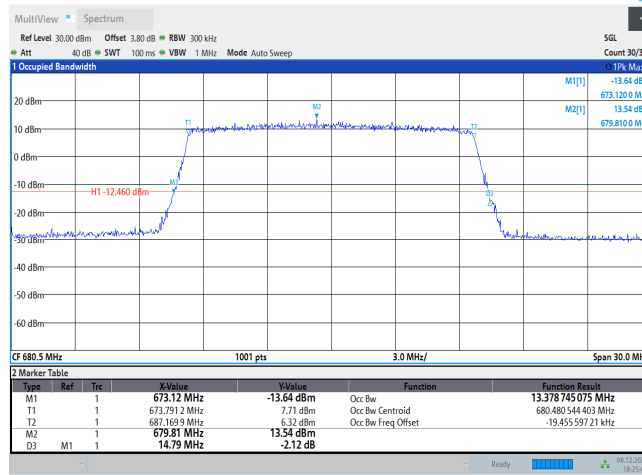


Band71-15MHz-256QAM-133197-75RB#0



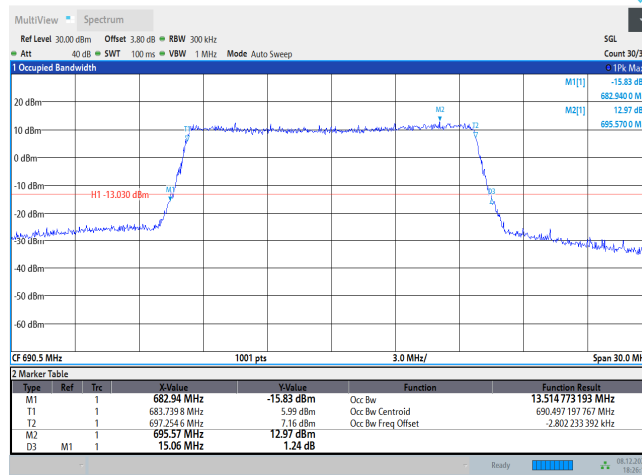
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Band71-15MHz-256QAM-133297-75RB#0



18:25:05 08.12.2022

Band71-15MHz-256QAM-133397-75RB#0



18:26:12 08.12.2022



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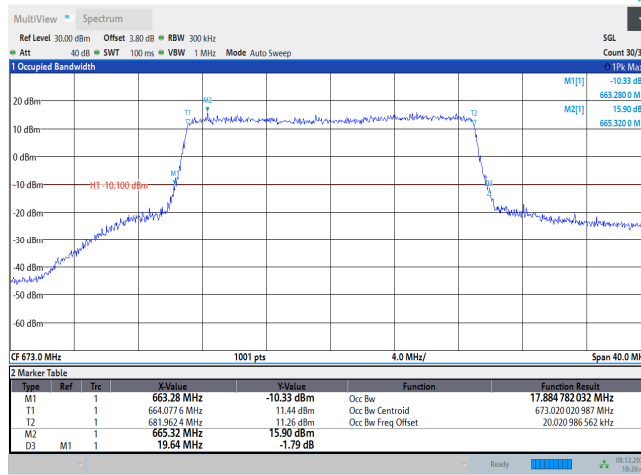
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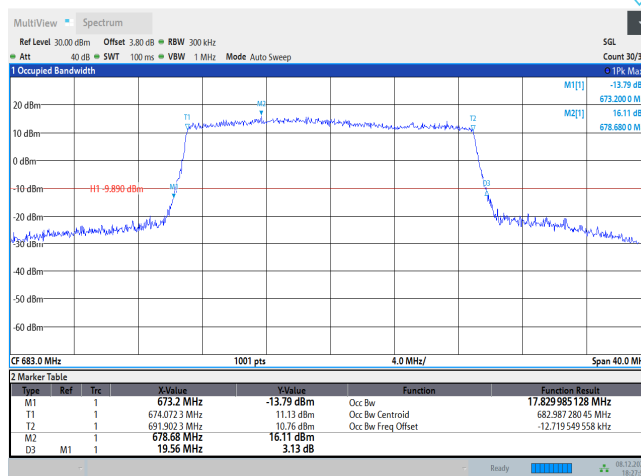


Band71-20MHz-QPSK-133222-100RB#0



18:26:43 08.12.2022

Band71-20MHz-QPSK-133322-100RB#0



18:27:51 08.12.2022

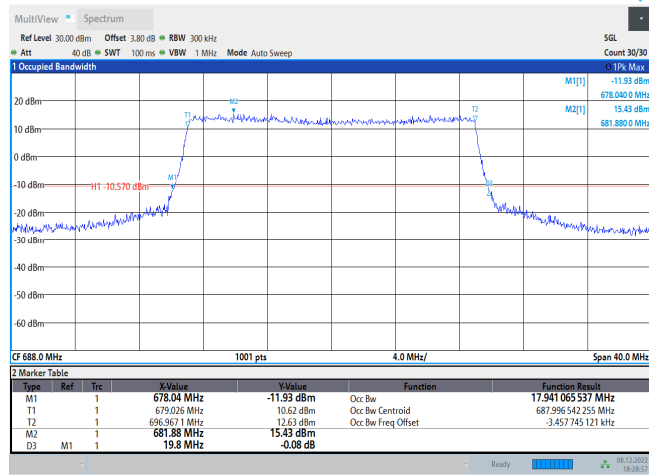


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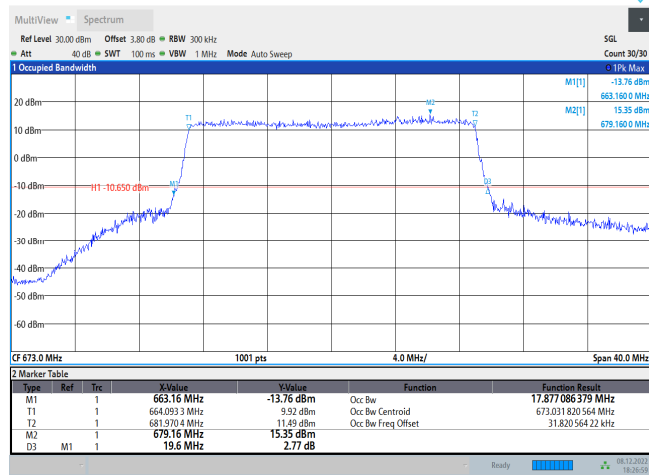
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Band71-20MHz-QPSK-133372-100RB#0



18:28:58 08.12.2022

Band71-20MHz-16QAM-133222-100RB#0

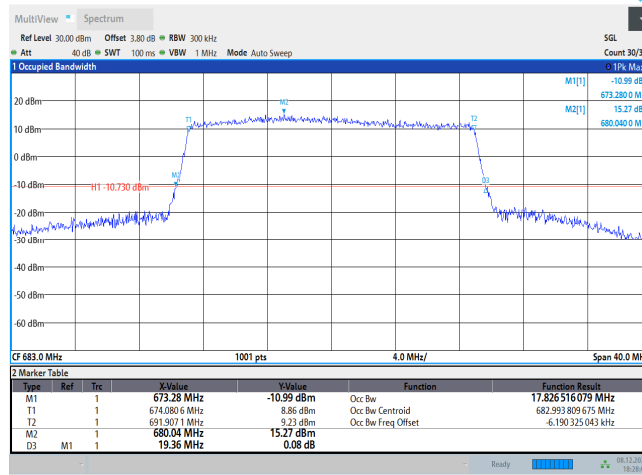


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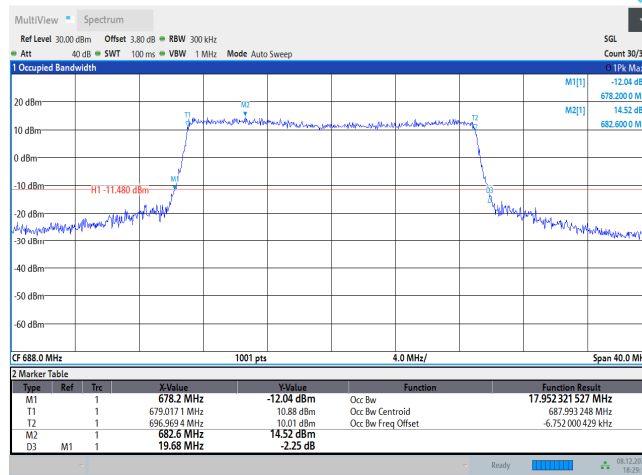
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Band71-20MHz-16QAM-133322-100RB#0



18:28:07 08.12.2022

Band71-20MHz-16QAM-133372-100RB#0



18:29:14 08.12.2022

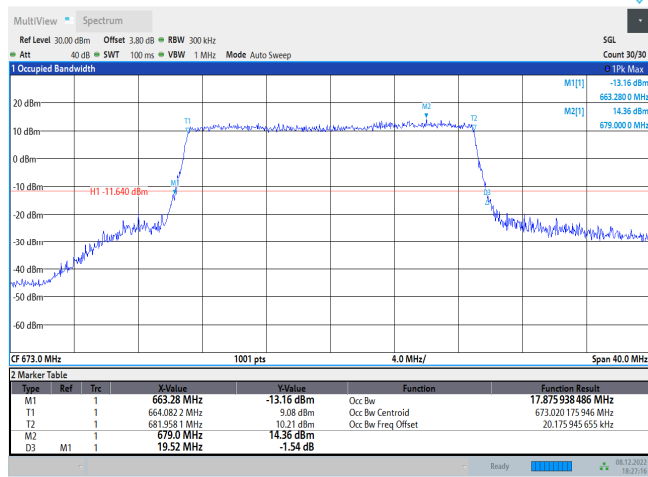


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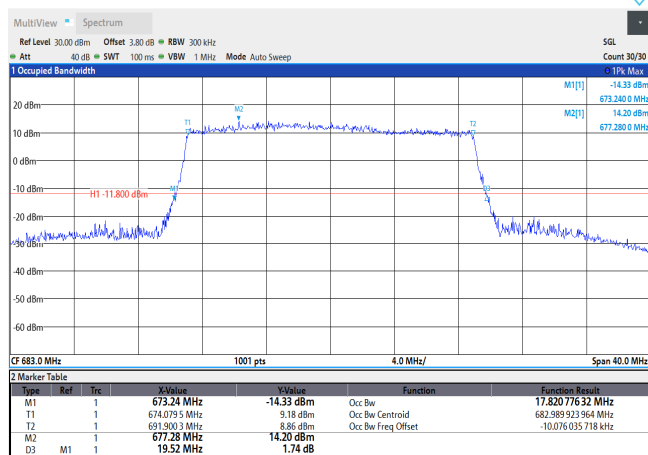
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Band71-20MHz-64QAM-133222-100RB#0



18:27:16 08.12.2022

Band71-20MHz-64QAM-133222-100RB#0



18:28:23 08.12.2022

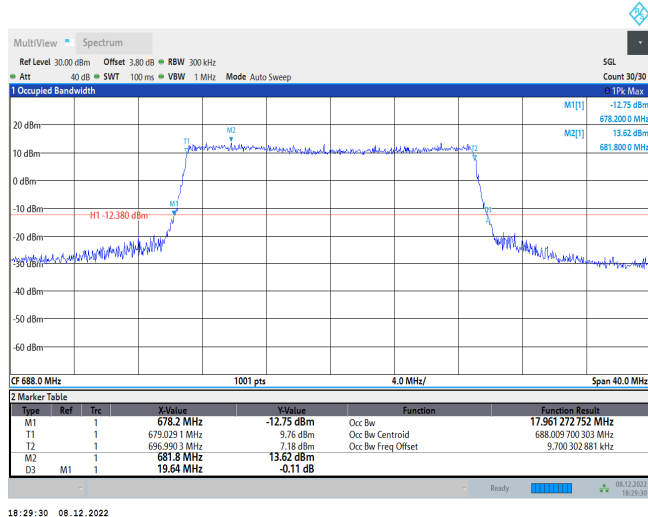


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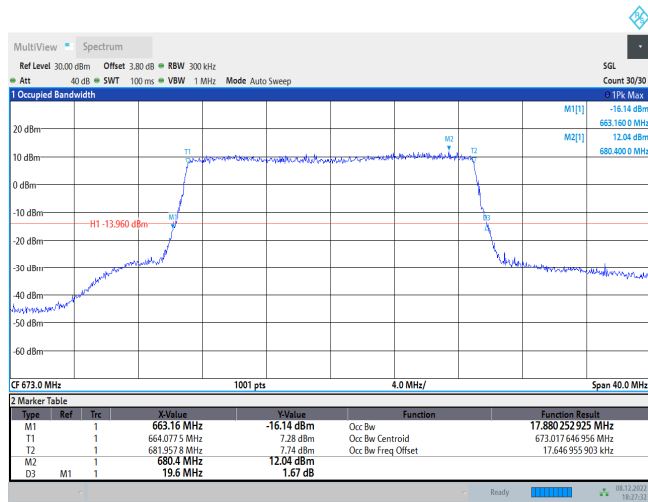
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Band71-20MHz-64QAM-133372-100RB#0



18:29:30 08.12.2022

Band71-20MHz-256QAM-133222-100RB#0



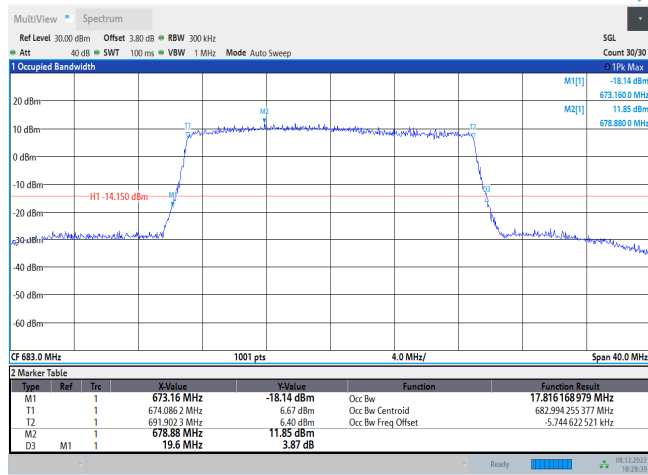
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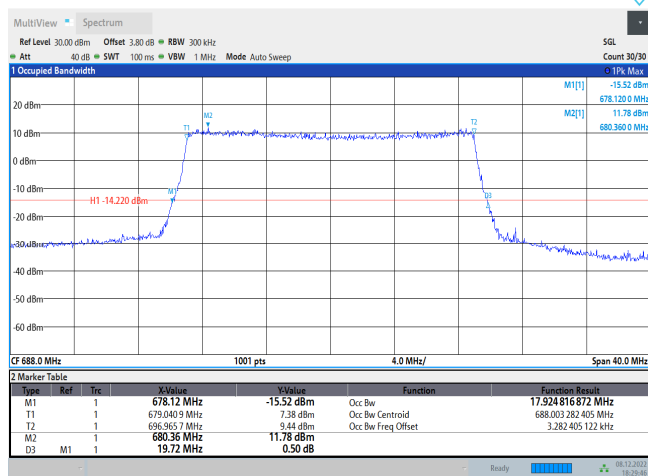


Band71-20MHz-256QAM-133322-100RB#0



18:28:39 08.12.2022

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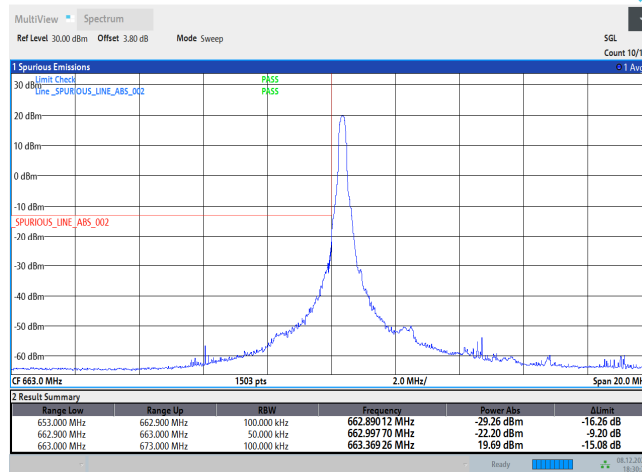


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## Band Edge

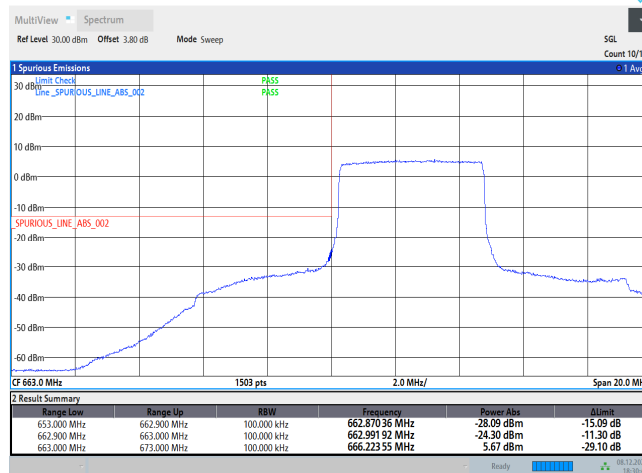
## Test Graphs

Band71-5MHz-QPSK-133147-1RB#0



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Band71-5MHz-QPSK-133147-25RB#0



18:30:50 08.12.2022



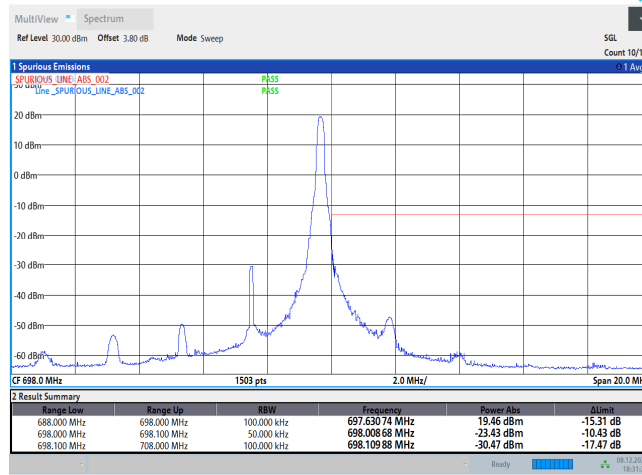
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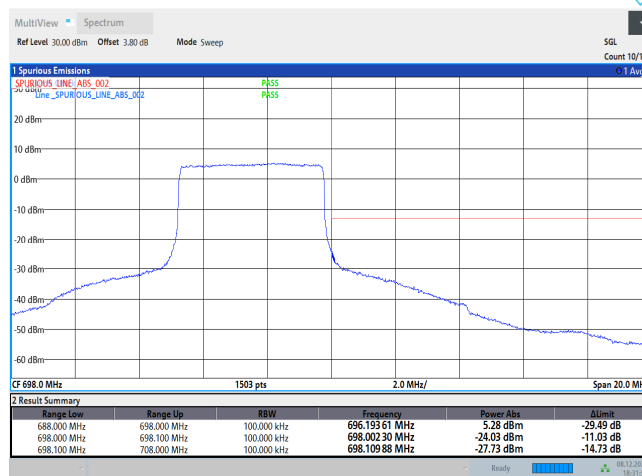
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Band71-5MHz-QPSK-133447-1RB#24



18:31:29 08.12.2022

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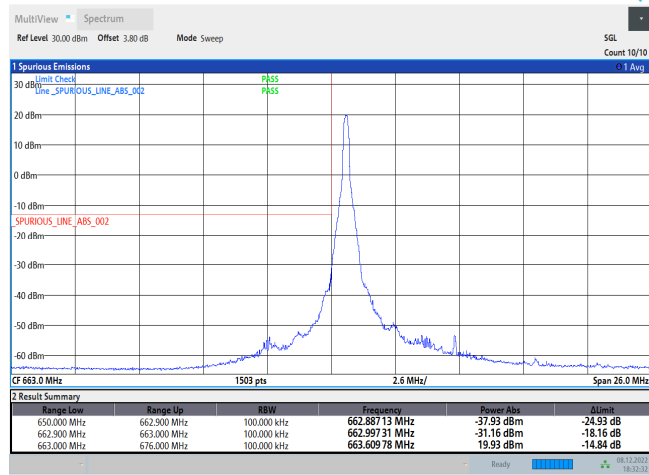


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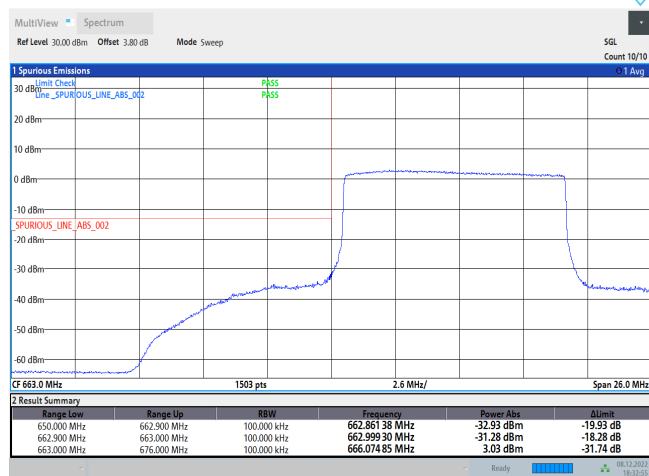
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Band71-10MHz-QPSK-133172-1RB#0



18:32:32 08.12.2022

Band71-10MHz-QPSK-133172-50RB#0



18:32:55 08.12.2022

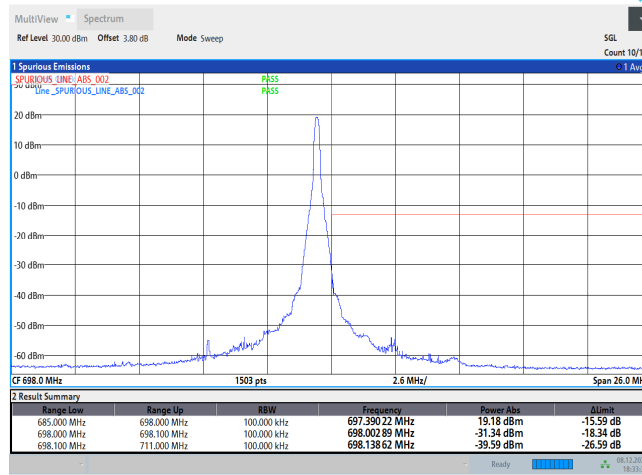


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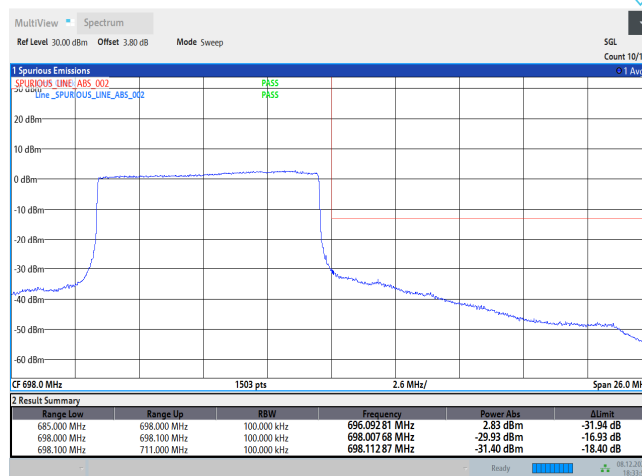
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Band71-10MHz-QPSK-133422-1RB#49



18:33:34 08.12.2022

Band71-10MHz-QPSK-133422-50RB#0



18:33:56 08.12.2022



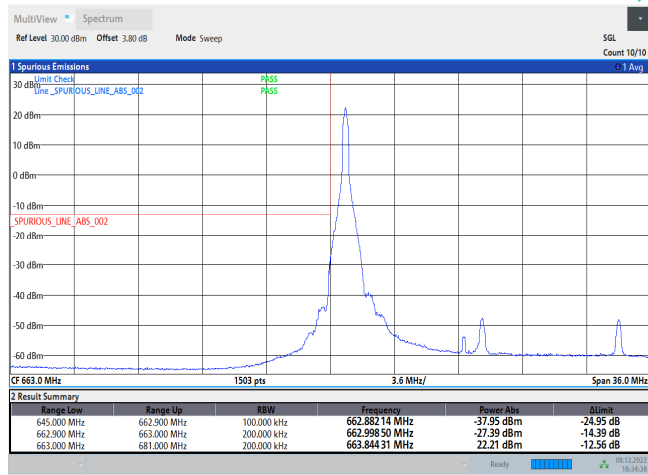
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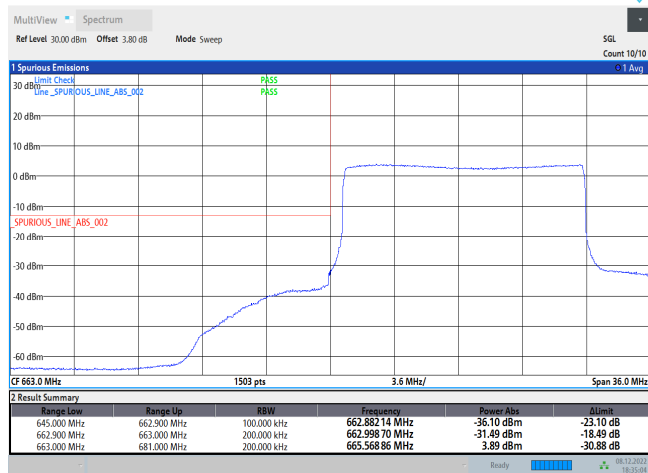


Band71-15MHz-QPSK-133197-1RB#0



18:34:39 08.12.2022

Band71-15MHz-QPSK-133197-75RB#0



18:35:05 08.12.2022



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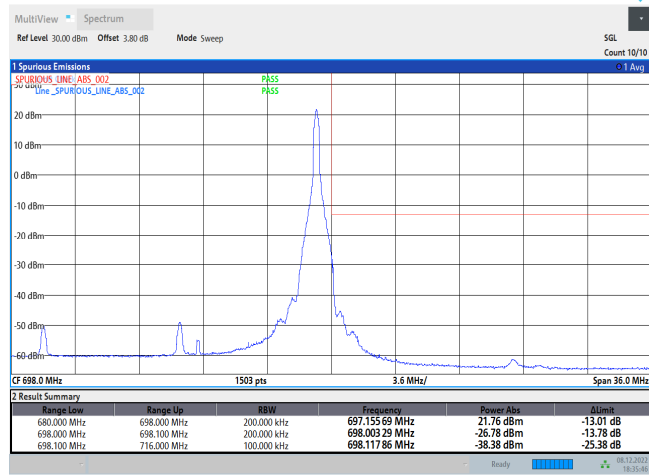
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Band71-15MHz-QPSK-133397-1RB#74



18:35:47 08.12.2022

Band71-15MHz-QPSK-133397-75RB#0



18:36:13 08.12.2022



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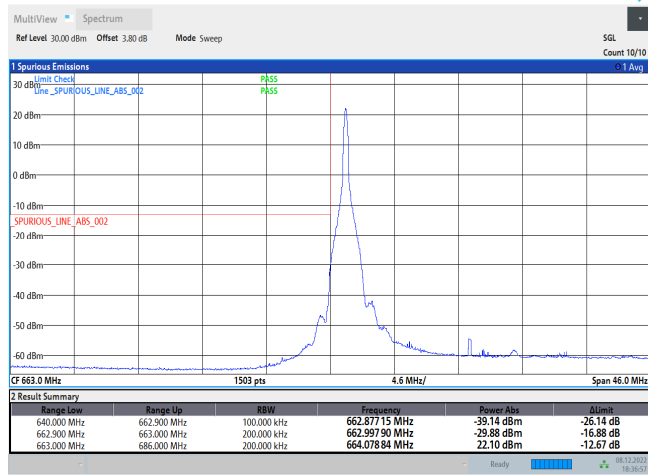
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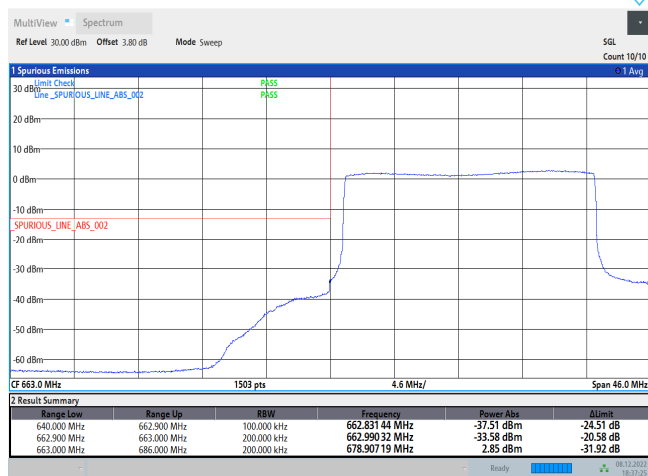
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Band71-20MHz-QPSK-133222-1RB#0



18:36:58 08.12.2022

Band71-20MHz-QPSK-133222-100RB#0



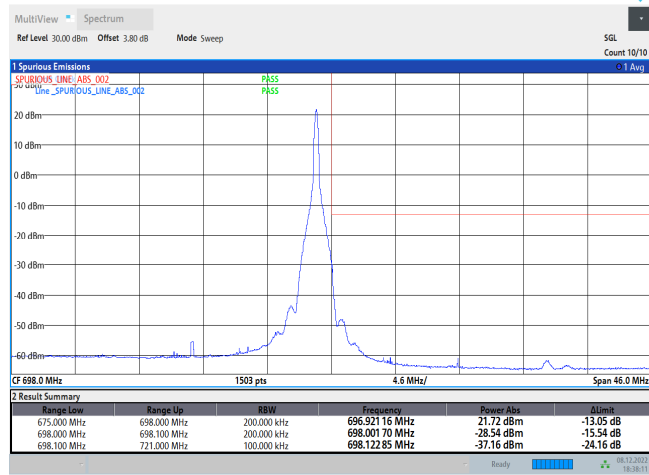
18:37:26 08.12.2022



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Band71-20MHz-QPSK-133372-1RB#99



18:38:11 08.12.2022

Band71-20MHz-QPSK-133372-100RB#0



18:38:40 08.12.2022



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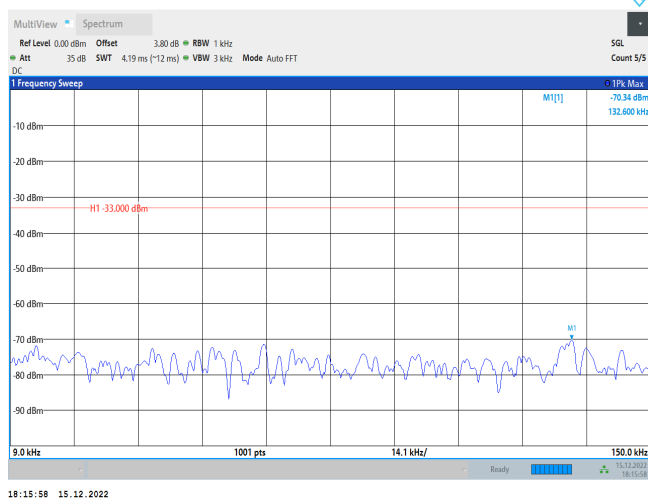
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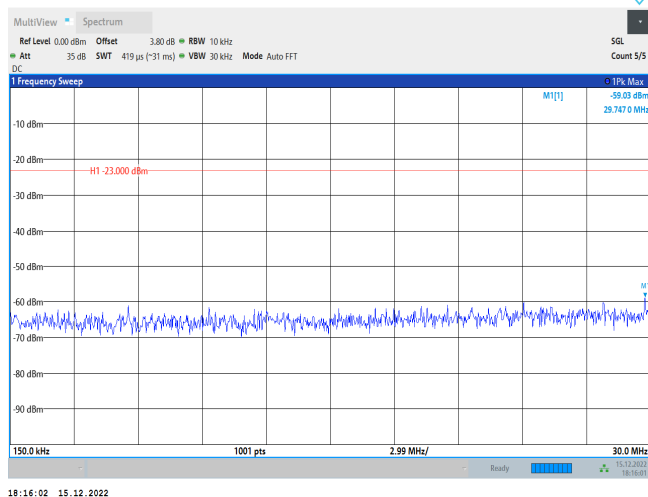
## Conducted Spurious Emission

### Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz

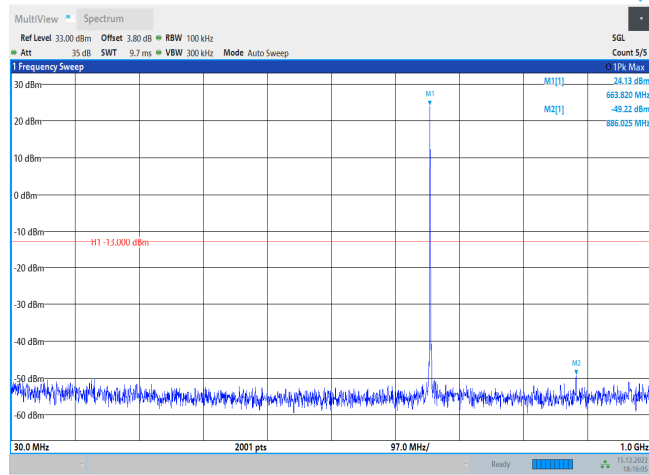


Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



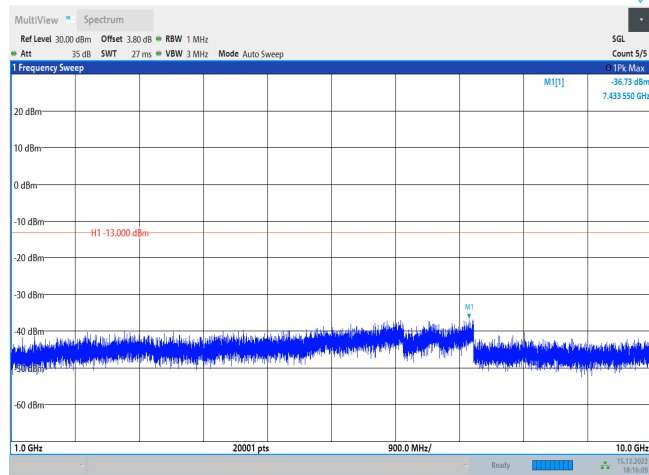
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



18:16:06 15.12.2022

Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



18:16:10 15.12.2022



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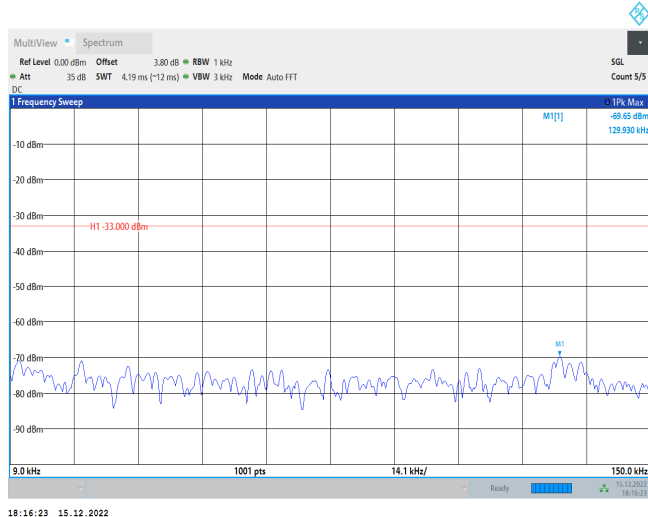
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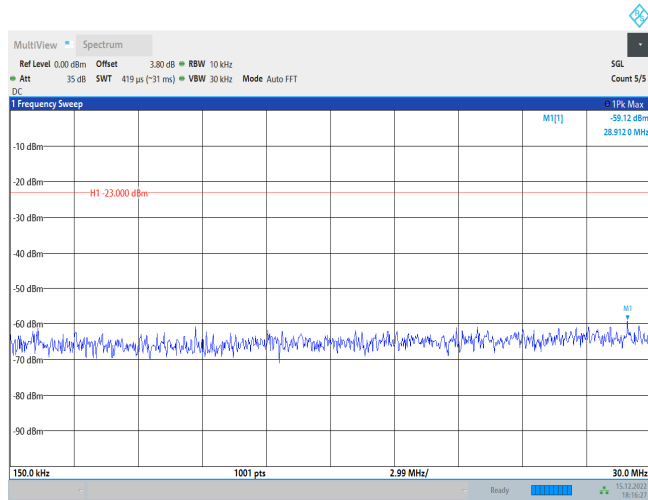


Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



18:16:23 15.12.2022

Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz

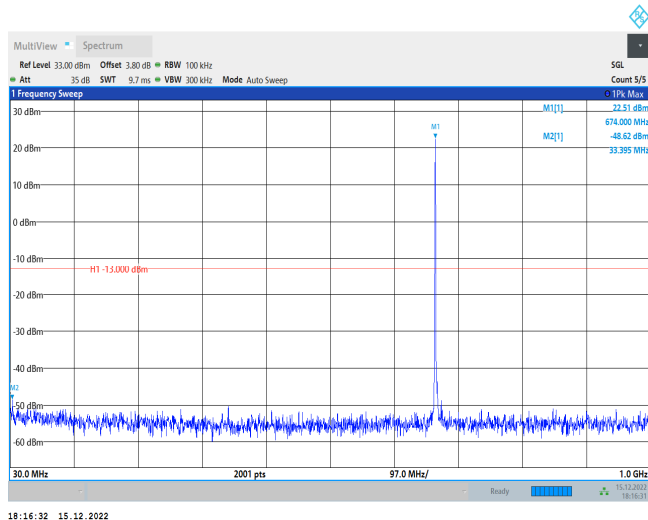


18:16:27 15.12.2022

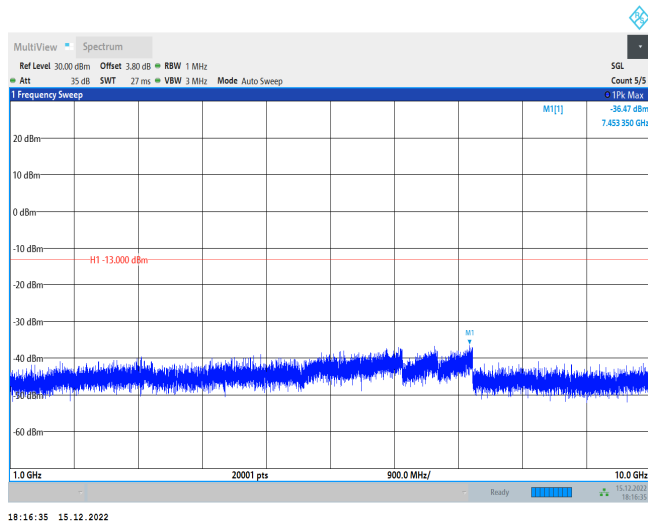


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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



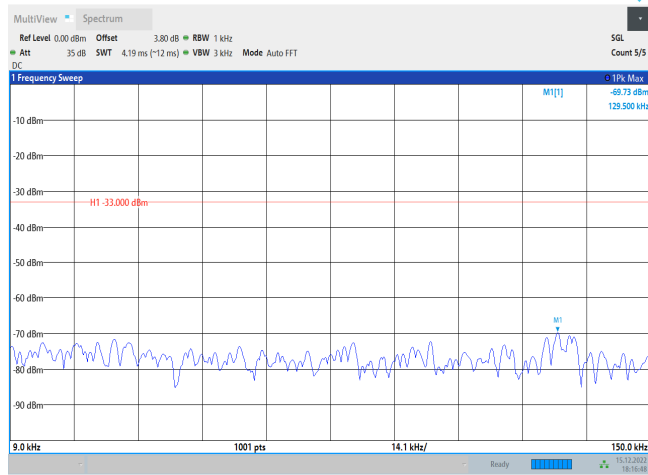
Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



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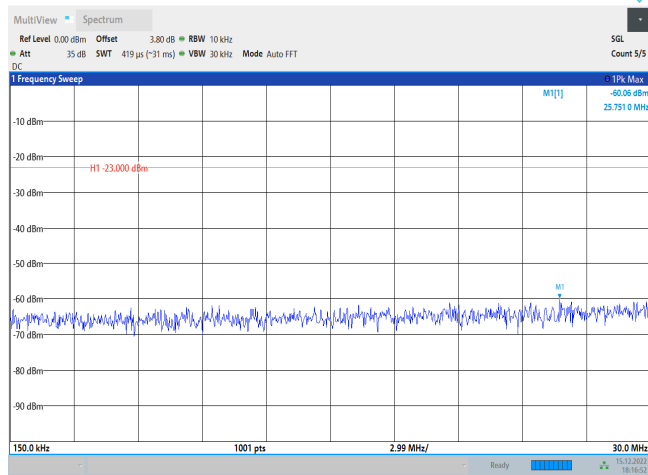
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



18:16:49 15.12.2022

Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz

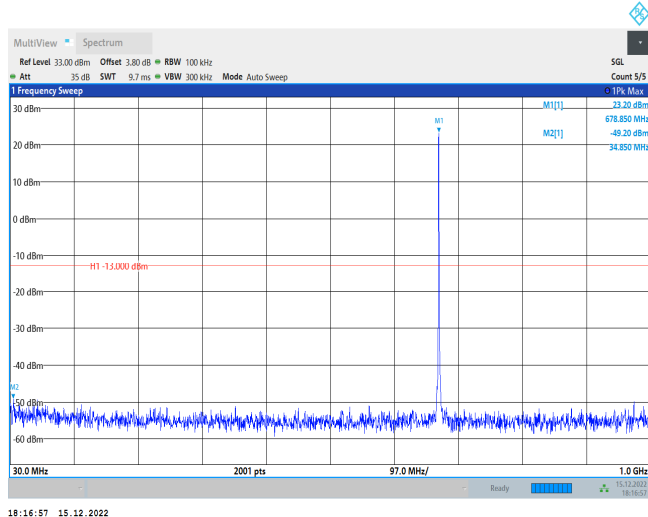


18:16:53 15.12.2022



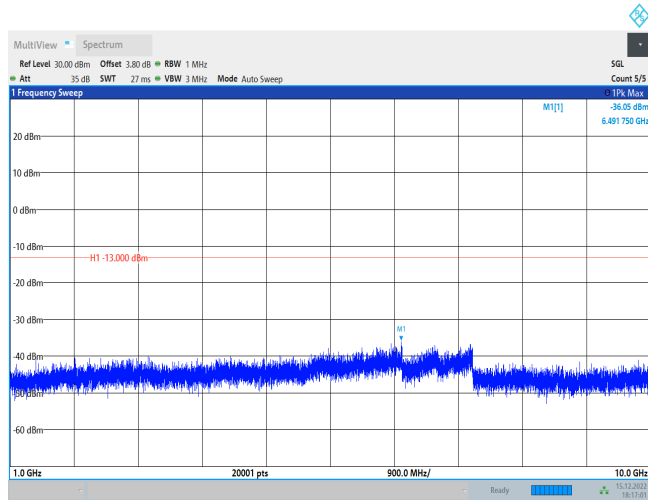
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



18:16:57 15.12.2022

Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



18:17:01 15.12.2022



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## Field Strength of Spurious Radiation

Test Band = LTE Band 71 ANT2\_ TM1

Test Channel = Low Channel

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1328.18         | 48.01          | -48.79      | 25.54    | -70.49      | -13.00      | 57.49       | 296         | 200       | Horizontal |
| 2               | 1992.27         | 68.92          | -48.08      | 26.85    | -47.57      | -13.00      | 34.57       | 265         | 200       | Horizontal |
| 3               | 2656.36         | 45.21          | -47.14      | 28.43    | -68.76      | -13.00      | 55.76       | 241         | 22        | Horizontal |
| 4               | 3320.45         | 45.81          | -46.14      | 29.47    | -66.12      | -13.00      | 53.12       | 142         | 12        | Horizontal |
| 5               | 3984.54         | 41.18          | -45.50      | 30.56    | -69.02      | -13.00      | 56.02       | 263         | 357       | Horizontal |
| 6               | 4648.63         | 40.11          | -44.59      | 31.76    | -67.98      | -13.00      | 54.98       | 201         | 303       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1328.18         | 48.11          | -48.79      | 25.54    | -70.39      | -13.00      | 57.39       | 196         | 113       | Vertical |
| 2               | 1992.27         | 79.34          | -48.08      | 26.85    | -37.15      | -13.00      | 24.15       | 265         | 233       | Vertical |
| 3               | 2656.36         | 46.05          | -47.14      | 28.43    | -67.92      | -13.00      | 54.92       | 241         | 173       | Vertical |
| 4               | 3320.45         | 45.42          | -46.14      | 29.47    | -66.51      | -13.00      | 53.51       | 142         | 188       | Vertical |
| 5               | 3984.54         | 41.70          | -45.50      | 30.56    | -68.50      | -13.00      | 55.50       | 263         | 263       | Vertical |
| 6               | 4648.63         | 40.42          | -44.59      | 31.76    | -67.67      | -13.00      | 54.67       | 201         | 203       | Vertical |



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**Test Band = LTE Band 71 ANT2\_ TM1**

**Test Channel = Mid Channel**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1348.18         | 50.01          | -48.77      | 25.50    | -68.52      | -13.00      | 55.52       | 185         | 286       | Horizontal |
| 2               | 2022.27         | 57.92          | -48.04      | 26.95    | -58.43      | -13.00      | 45.43       | 213         | 213       | Horizontal |
| 3               | 2696.36         | 49.03          | -47.07      | 28.57    | -64.73      | -13.00      | 51.73       | 169         | 13        | Horizontal |
| 4               | 3370.45         | 44.21          | -46.23      | 29.45    | -67.83      | -13.00      | 54.83       | 329         | 332       | Horizontal |
| 5               | 4044.54         | 41.40          | -45.46      | 30.67    | -68.65      | -13.00      | 55.65       | 256         | 83        | Horizontal |
| 6               | 4718.63         | 40.73          | -44.56      | 31.93    | -67.17      | -13.00      | 54.17       | 147         | 53        | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1348            | 49.94          | -48.77      | 25.50    | -68.59      | -13.00      | 55.59       | 128         | 174       | Vertical |
| 2               | 2022.27         | 71.73          | -48.04      | 26.95    | -44.62      | -13.00      | 31.62       | 239         | 233       | Vertical |
| 3               | 2696.36         | 47.78          | -47.07      | 28.57    | -65.98      | -13.00      | 52.98       | 314         | 188       | Vertical |
| 4               | 3370.45         | 43.99          | -46.23      | 29.45    | -68.05      | -13.00      | 55.05       | 156         | 188       | Vertical |
| 5               | 4044.54         | 40.77          | -45.46      | 30.67    | -69.28      | -13.00      | 56.28       | 255         | 43        | Vertical |
| 6               | 4718.63         | 40.92          | -44.56      | 31.93    | -66.98      | -13.00      | 53.98       | 325         | 335       | Vertical |



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 Wireless Laboratory

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**Test Band = LTE Band 71 ANT2\_ TM1**

**Test Channel = High Channel**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1358.18         | 49.69          | -48.76      | 25.48    | -68.85      | -13.00      | 55.85       | 147         | 272       | Horizontal |
| 2               | 2037.27         | 57.93          | -48.01      | 26.98    | -58.36      | -13.00      | 45.36       | 236         | 196       | Horizontal |
| 3               | 2716.36         | 46.01          | -47.00      | 28.64    | -67.61      | -13.00      | 54.61       | 169         | 10        | Horizontal |
| 4               | 3395.45         | 43.96          | -46.27      | 29.44    | -68.13      | -13.00      | 55.13       | 325         | 332       | Horizontal |
| 5               | 4074.54         | 41.54          | -45.43      | 30.72    | -68.43      | -13.00      | 55.43       | 185         | 78        | Horizontal |
| 6               | 4753.63         | 41.05          | -44.58      | 32.01    | -66.78      | -13.00      | 53.78       | 268         | 211       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1358.18         | 53.05          | -48.76      | 25.48    | -65.49      | -13.00      | 52.49       | 199         | 117       | Vertical |
| 2               | 2037.27         | 68.00          | -48.01      | 26.98    | -48.29      | -13.00      | 35.29       | 258         | 221       | Vertical |
| 3               | 2716.36         | 47.44          | -47.00      | 28.64    | -66.18      | -13.00      | 53.18       | 235         | 192       | Vertical |
| 4               | 3395.45         | 43.85          | -46.27      | 29.44    | -68.24      | -13.00      | 55.24       | 177         | 192       | Vertical |
| 5               | 4074.54         | 42.00          | -45.43      | 30.72    | -67.97      | -13.00      | 54.97       | 268         | 192       | Vertical |
| 6               | 4753.63         | 41.17          | -44.58      | 32.01    | -66.66      | -13.00      | 53.66       | 306         | 192       | Vertical |



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Report No.: SEWM2212000297RG01

Rev.: 01

Page: 62 of 63

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | VL            | NT               | -1.70          | -0.002489       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | VN            | NT               | 0.70           | 0.001025        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | VH            | NT               | 0.60           | 0.000878        | PASS    |

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | -40              | -3.50          | -0.005124       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | -30              | 0.00           | 0.000000        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | -20              | -1.30          | -0.001903       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | -10              | 0.00           | 0.000000        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 0                | -2.20          | -0.003221       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 10               | -1.70          | -0.002489       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 20               | 0.40           | 0.000586        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 30               | 1.50           | 0.002196        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 40               | 0.00           | 0.000000        | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 50               | -0.40          | -0.000586       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 60               | -2.80          | -0.004100       | PASS    |
| Band71 | 20MHz     | QPSK       | 133322  | 100RB#0      | NV            | 75               | 1.20           | 0.001757        | PASS    |

---End of Attachment---



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