



# Appendix B

## E-UTRA Band 66



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## CONTENT

|           |                                                   |           |
|-----------|---------------------------------------------------|-----------|
| <b>1</b>  | <b>EFFECTIVE (ISOTROPIC) RADIATED POWER.....</b>  | <b>3</b>  |
| 1.1.      | TEST RESULT.....                                  | 3         |
| <b>2.</b> | <b>PEAK-TO-AVERAGE RATIO (CCDF).....</b>          | <b>9</b>  |
| 2.1.      | TEST RESULT.....                                  | 9         |
| 2.2.      | TEST PLOTS.....                                   | 9         |
| <b>3.</b> | <b>MODULATION CHARACTERISTICS.....</b>            | <b>13</b> |
| 3.1.      | TEST MODE = LTE /TM1 20MHZ.....                   | 13        |
| 3.1.1.    | TEST CHANNEL = MCH.....                           | 13        |
| 3.2.      | TEST MODE = LTE /TM2 20MHZ.....                   | 14        |
| 3.2.1.    | TEST CHANNEL = MCH.....                           | 14        |
| <b>4.</b> | <b>26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....</b> | <b>15</b> |
| 4.1.      | TEST RESULT.....                                  | 15        |
| 4.2.      | TEST PLOTS.....                                   | 16        |
| <b>5.</b> | <b>BAND EDGE COMPLIANCE.....</b>                  | <b>34</b> |
| 5.1.      | TEST PLOTS.....                                   | 34        |
| <b>6.</b> | <b>SPURIOUS EMISSION AT ANTENNA TERMINAL.....</b> | <b>58</b> |
| 6.1.      | TEST PLOTS.....                                   | 58        |
| <b>7.</b> | <b>FIELD STRENGTH OF SPURIOUS RADIATION.....</b>  | <b>64</b> |
| 7.1.      | TEST MODE =LTE/TM1.....                           | 64        |
| 7.1.1.    | TEST CHANNEL = LCH.....                           | 64        |
| 7.1.2.    | TEST CHANNEL = MCH.....                           | 64        |
| 7.1.3.    | TEST CHANNEL = HCH.....                           | 65        |
| <b>8.</b> | <b>FREQUENCY STABILITY.....</b>                   | <b>66</b> |
| 8.1.      | FREQUENCY VS VOLTAGE.....                         | 66        |
| 8.2.      | FREQUENCY VS TEMPERATURE.....                     | 66        |



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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 1RB#0            | 21.98                | 21.68      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 1RB#2            | 21.90                | 21.60      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 1RB#5            | 21.97                | 21.67      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 3RB#1            | 22.03                | 21.73      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 3RB#0            | 21.87                | 21.57      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 3RB#3            | 21.90                | 21.60      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 6RB#0            | 20.98                | 20.68      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 1RB#5            | 22.00                | 21.70      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 1RB#0            | 22.06                | 21.76      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 1RB#2            | 22.10                | 21.80      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 3RB#0            | 22.02                | 21.72      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 3RB#1            | 22.12                | 21.82      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 3RB#3            | 22.04                | 21.74      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6RB#0            | 21.08                | 20.78      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 1RB#2            | 22.26                | 21.96      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 1RB#5            | 22.15                | 21.85      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 1RB#0            | 22.12                | 21.82      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 3RB#0            | 22.23                | 21.93      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 3RB#3            | 22.21                | 21.91      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 3RB#1            | 22.15                | 21.85      | 30.00       | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6RB#0            | 21.20                | 20.90      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 1RB#2            | 21.46                | 21.16      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 1RB#5            | 21.33                | 21.03      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 1RB#0            | 21.04                | 20.74      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 3RB#0            | 21.31                | 21.01      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 3RB#1            | 21.35                | 21.05      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 3RB#3            | 21.03                | 20.73      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 6RB#0            | 19.91                | 19.61      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 1RB#5            | 21.04                | 20.74      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 1RB#0            | 21.33                | 21.03      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 1RB#2            | 21.34                | 21.04      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 3RB#3            | 20.99                | 20.69      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 3RB#1            | 21.32                | 21.02      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 3RB#0            | 21.31                | 21.01      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 6RB#0            | 20.06                | 19.76      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 1RB#2            | 21.40                | 21.10      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 1RB#5            | 21.17                | 20.87      | 30.00       | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 1RB#0            | 21.35                | 21.05      | 30.00       | PASS    |



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|        |        |       |        |        |       |       |       |      |
|--------|--------|-------|--------|--------|-------|-------|-------|------|
| Band66 | 1.4MHz | 16QAM | 132665 | 3RB#3  | 21.41 | 21.11 | 30.00 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 3RB#1  | 21.20 | 20.90 | 30.00 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 3RB#0  | 21.32 | 21.02 | 30.00 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 6RB#0  | 20.34 | 20.04 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 1RB#14 | 22.04 | 21.74 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 1RB#0  | 21.93 | 21.63 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 1RB#8  | 21.92 | 21.62 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 8RB#7  | 20.87 | 20.57 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 8RB#4  | 20.99 | 20.69 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 8RB#0  | 20.95 | 20.65 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 15RB#0 | 21.00 | 20.70 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 1RB#14 | 22.01 | 21.71 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 1RB#8  | 22.11 | 21.81 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 1RB#0  | 22.07 | 21.77 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 8RB#7  | 21.12 | 20.82 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 8RB#0  | 21.25 | 20.95 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 8RB#4  | 21.12 | 20.82 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 15RB#0 | 21.14 | 20.84 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 1RB#14 | 22.22 | 21.92 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 1RB#8  | 22.19 | 21.89 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 1RB#0  | 22.16 | 21.86 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 8RB#4  | 21.26 | 20.96 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 8RB#0  | 21.28 | 20.98 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 8RB#7  | 21.24 | 20.94 | 30.00 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 15RB#0 | 21.24 | 20.94 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 1RB#8  | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 1RB#14 | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 1RB#0  | 21.05 | 20.75 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 8RB#0  | 19.96 | 19.66 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 8RB#7  | 19.86 | 19.56 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 8RB#4  | 19.97 | 19.67 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 15RB#0 | 19.93 | 19.63 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 1RB#8  | 21.04 | 20.74 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 1RB#14 | 21.38 | 21.08 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 1RB#0  | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 8RB#4  | 20.12 | 19.82 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 8RB#0  | 20.06 | 19.76 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 8RB#7  | 20.07 | 19.77 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 15RB#0 | 20.10 | 19.80 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 1RB#14 | 21.37 | 21.07 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 1RB#0  | 21.17 | 20.87 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 1RB#8  | 21.38 | 21.08 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 8RB#0  | 20.29 | 19.99 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 8RB#7  | 20.20 | 19.90 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 8RB#4  | 20.07 | 19.77 | 30.00 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 15RB#0 | 20.34 | 20.04 | 30.00 | PASS |
| Band66 | 5MHz   | QPSK  | 131997 | 1RB#24 | 22.07 | 21.77 | 30.00 | PASS |



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|        |       |       |        |         |       |       |       |      |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band66 | 5MHz  | QPSK  | 131997 | 1RB#12  | 21.96 | 21.66 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 131997 | 1RB#0   | 21.99 | 21.69 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 131997 | 12RB#6  | 20.93 | 20.63 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 131997 | 12RB#0  | 21.05 | 20.75 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 131997 | 12RB#13 | 21.00 | 20.70 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 131997 | 25RB#0  | 21.05 | 20.75 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 1RB#24  | 22.09 | 21.79 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 1RB#0   | 22.14 | 21.84 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 1RB#12  | 22.12 | 21.82 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 12RB#6  | 21.17 | 20.87 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 12RB#0  | 21.29 | 20.99 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 12RB#13 | 21.15 | 20.85 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132322 | 25RB#0  | 21.17 | 20.87 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 1RB#0   | 22.28 | 21.98 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 1RB#12  | 22.23 | 21.93 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 1RB#24  | 22.19 | 21.89 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 12RB#0  | 21.29 | 20.99 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 12RB#6  | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 12RB#13 | 21.29 | 20.99 | 30.00 | PASS |
| Band66 | 5MHz  | QPSK  | 132647 | 25RB#0  | 21.29 | 20.99 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 1RB#0   | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 1RB#12  | 21.36 | 21.06 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 1RB#24  | 21.10 | 20.80 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 12RB#13 | 20.02 | 19.72 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 12RB#0  | 19.92 | 19.62 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 12RB#6  | 20.03 | 19.73 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 25RB#0  | 19.98 | 19.68 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 1RB#0   | 21.08 | 20.78 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 1RB#12  | 21.40 | 21.10 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 1RB#24  | 21.39 | 21.09 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 12RB#0  | 20.14 | 19.84 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 12RB#13 | 20.09 | 19.79 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 12RB#6  | 20.16 | 19.86 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 25RB#0  | 20.13 | 19.83 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 1RB#0   | 21.43 | 21.13 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 1RB#24  | 21.24 | 20.94 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 1RB#12  | 21.37 | 21.07 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 12RB#0  | 20.34 | 20.04 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 12RB#6  | 20.27 | 19.97 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 12RB#13 | 20.14 | 19.84 | 30.00 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 25RB#0  | 20.43 | 20.13 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 1RB#0   | 21.91 | 21.61 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 1RB#24  | 22.07 | 21.77 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 1RB#49  | 22.13 | 21.83 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 25RB#12 | 21.03 | 20.73 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 25RB#0  | 21.13 | 20.83 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132022 | 25RB#25 | 21.10 | 20.80 | 30.00 | PASS |



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|        |       |       |        |         |       |       |       |      |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band66 | 10MHz | QPSK  | 132022 | 50RB#0  | 21.11 | 20.81 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 1RB#49  | 22.16 | 21.86 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 1RB#0   | 22.19 | 21.89 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 1RB#24  | 22.11 | 21.81 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 25RB#0  | 21.24 | 20.94 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 25RB#12 | 21.27 | 20.97 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 25RB#25 | 21.16 | 20.86 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132322 | 50RB#0  | 21.17 | 20.87 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 1RB#24  | 22.33 | 22.03 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 1RB#49  | 22.41 | 22.11 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 1RB#0   | 22.24 | 21.94 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 25RB#0  | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 25RB#25 | 21.43 | 21.13 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 25RB#12 | 21.47 | 21.17 | 30.00 | PASS |
| Band66 | 10MHz | QPSK  | 132622 | 50RB#0  | 21.37 | 21.07 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#24  | 21.20 | 20.90 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#49  | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#0   | 21.31 | 21.01 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 25RB#0  | 20.02 | 19.72 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 25RB#12 | 20.18 | 19.88 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 25RB#25 | 20.10 | 19.80 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 50RB#0  | 20.21 | 19.91 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#49  | 21.18 | 20.88 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#0   | 21.30 | 21.00 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#24  | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 25RB#25 | 20.28 | 19.98 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 25RB#12 | 20.22 | 19.92 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 25RB#0  | 20.27 | 19.97 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 50RB#0  | 20.19 | 19.89 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#24  | 21.46 | 21.16 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#49  | 21.39 | 21.09 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#0   | 21.36 | 21.06 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 25RB#25 | 20.42 | 20.12 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 25RB#12 | 20.34 | 20.04 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 25RB#0  | 20.35 | 20.05 | 30.00 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 50RB#0  | 20.31 | 20.01 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 1RB#74  | 21.94 | 21.64 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 1RB#0   | 21.99 | 21.69 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 1RB#38  | 22.12 | 21.82 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 36RB#39 | 21.09 | 20.79 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 36RB#18 | 21.18 | 20.88 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 36RB#0  | 21.16 | 20.86 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132047 | 75RB#0  | 21.15 | 20.85 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 1RB#74  | 22.14 | 21.84 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 1RB#38  | 22.29 | 21.99 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 1RB#0   | 22.03 | 21.73 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 36RB#0  | 21.25 | 20.95 | 30.00 | PASS |



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|        |       |       |        |         |       |       |       |      |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band66 | 15MHz | QPSK  | 132322 | 36RB#39 | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 36RB#18 | 21.19 | 20.89 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132322 | 75RB#0  | 21.30 | 21.00 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 1RB#74  | 22.08 | 21.78 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 1RB#38  | 22.24 | 21.94 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 1RB#0   | 22.26 | 21.96 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 36RB#18 | 21.42 | 21.12 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 36RB#0  | 21.45 | 21.15 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 36RB#39 | 21.39 | 21.09 | 30.00 | PASS |
| Band66 | 15MHz | QPSK  | 132597 | 75RB#0  | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#0   | 21.22 | 20.92 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#74  | 21.39 | 21.09 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#38  | 21.36 | 21.06 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 36RB#0  | 19.96 | 19.66 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 36RB#39 | 20.14 | 19.84 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 36RB#18 | 20.24 | 19.94 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 75RB#0  | 20.21 | 19.91 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#38  | 21.20 | 20.90 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#74  | 21.33 | 21.03 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#0   | 21.17 | 20.87 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 36RB#18 | 20.27 | 19.97 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 36RB#0  | 20.25 | 19.95 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 36RB#39 | 20.20 | 19.90 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 75RB#0  | 20.20 | 19.90 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#74  | 21.32 | 21.02 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#0   | 21.23 | 20.93 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#38  | 21.29 | 20.99 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 36RB#0  | 20.30 | 20.00 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 36RB#39 | 20.42 | 20.12 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 36RB#18 | 20.36 | 20.06 | 30.00 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 75RB#0  | 20.43 | 20.13 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 1RB#99  | 21.74 | 21.44 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 1RB#49  | 22.17 | 21.87 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 1RB#0   | 21.74 | 21.44 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 50RB#25 | 21.13 | 20.83 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 50RB#0  | 21.16 | 20.86 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 50RB#50 | 21.24 | 20.94 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132072 | 100RB#0 | 21.12 | 20.82 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 1RB#99  | 22.07 | 21.77 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 1RB#0   | 22.44 | 22.14 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 1RB#49  | 21.93 | 21.63 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 50RB#25 | 21.38 | 21.08 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 50RB#0  | 21.35 | 21.05 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 50RB#50 | 21.21 | 20.91 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132322 | 100RB#0 | 21.38 | 21.08 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 1RB#0   | 22.06 | 21.76 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 1RB#49  | 22.40 | 22.10 | 30.00 | PASS |



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|        |       |       |        |         |       |       |       |      |
|--------|-------|-------|--------|---------|-------|-------|-------|------|
| Band66 | 20MHz | QPSK  | 132572 | 1RB#99  | 22.21 | 21.91 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 50RB#0  | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 50RB#25 | 21.36 | 21.06 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 50RB#50 | 21.38 | 21.08 | 30.00 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 100RB#0 | 21.44 | 21.14 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#0   | 21.07 | 20.77 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#49  | 21.22 | 20.92 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#99  | 20.93 | 20.63 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 50RB#50 | 20.12 | 19.82 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 50RB#0  | 20.15 | 19.85 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 50RB#25 | 20.30 | 20.00 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | 20.17 | 19.87 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#0   | 20.93 | 20.63 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#49  | 21.26 | 20.96 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#99  | 21.02 | 20.72 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 50RB#0  | 20.30 | 20.00 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 50RB#50 | 20.30 | 20.00 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 50RB#25 | 20.27 | 19.97 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 20.28 | 19.98 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#0   | 21.16 | 20.86 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#99  | 21.34 | 21.04 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#49  | 21.28 | 20.98 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 50RB#0  | 20.37 | 20.07 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 50RB#25 | 20.40 | 20.10 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 50RB#50 | 20.35 | 20.05 | 30.00 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 20.33 | 20.03 | 30.00 | PASS |

Remark:

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

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

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



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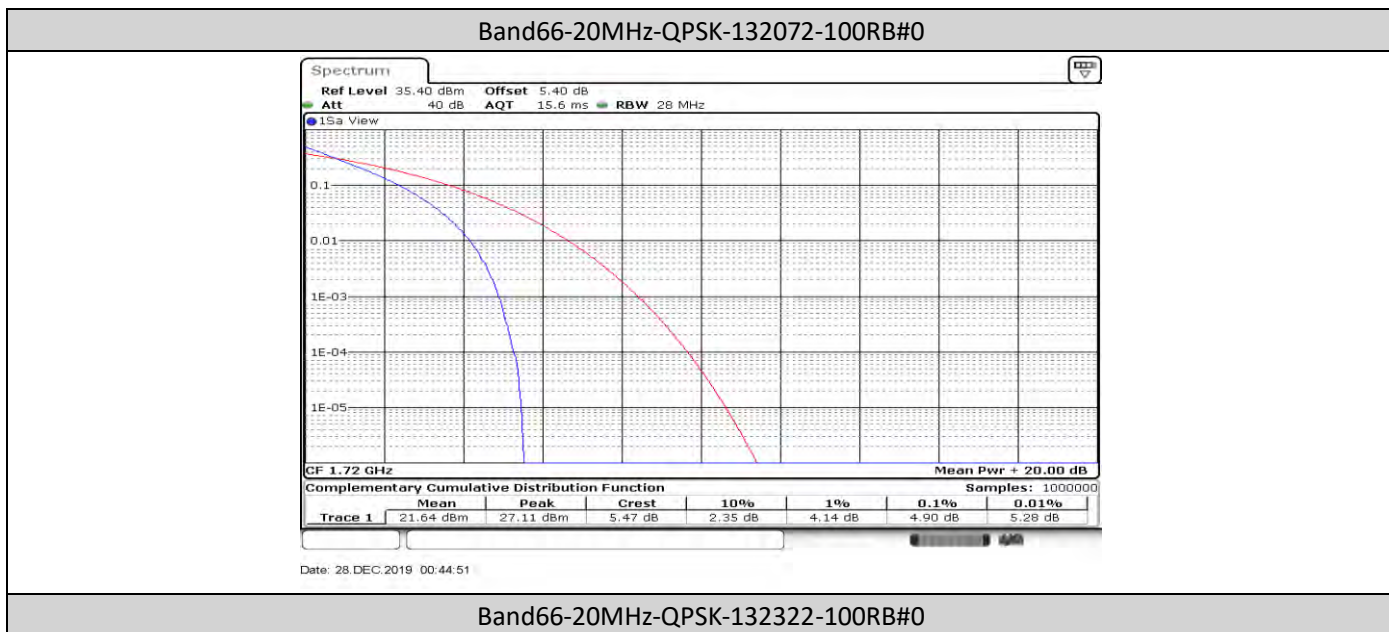


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0          | 4.90       | 13        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0          | 4.67       | 13        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0          | 4.93       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0          | 5.77       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0          | 5.45       | 13        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0          | 5.77       | 13        | PASS    |

### 2.2. Test Plots



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Band66-20MHz-QPSK-132572-100RB#0



Band66-20MHz-16QAM-132072-100RB#0





Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0



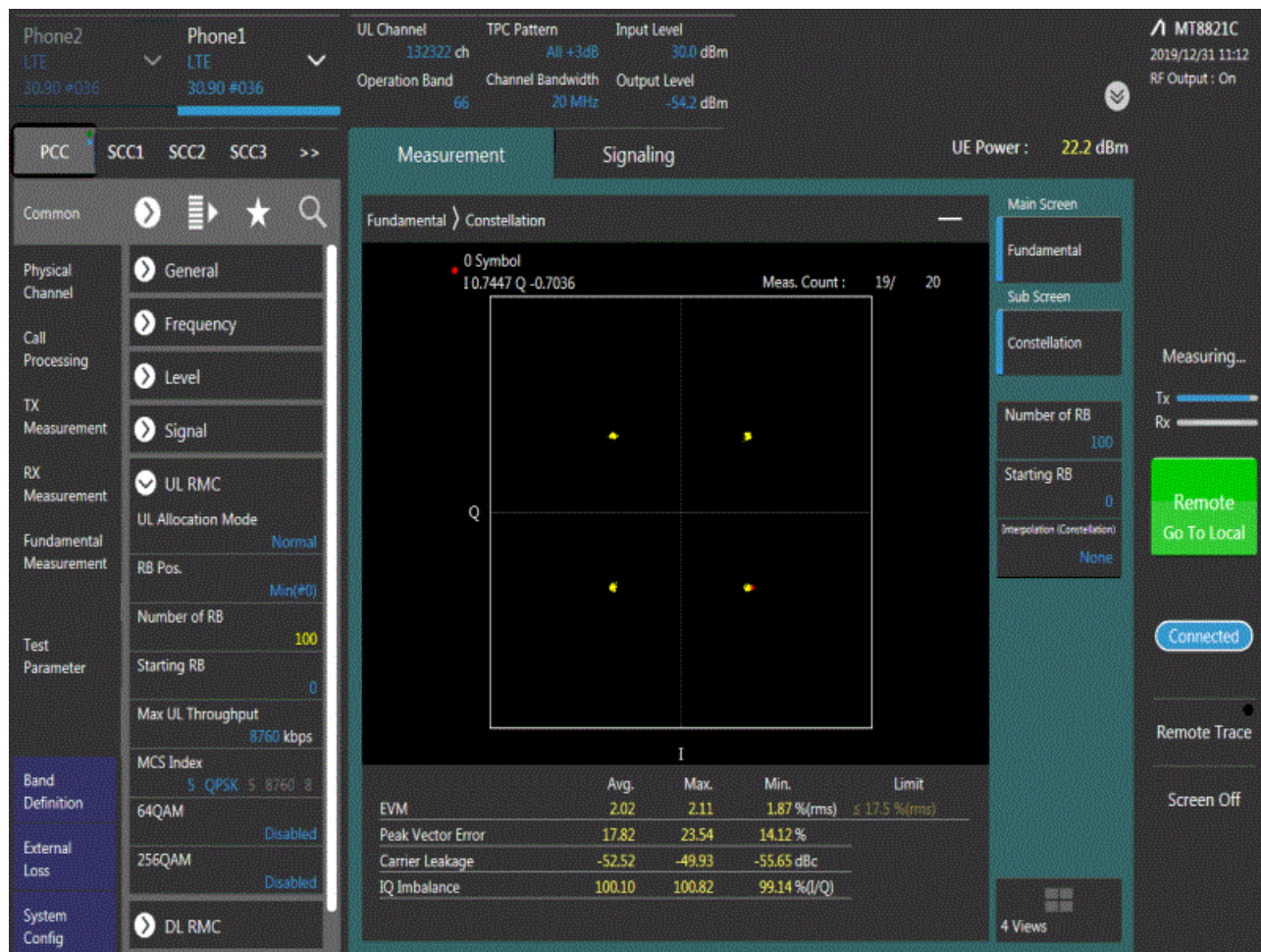




### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



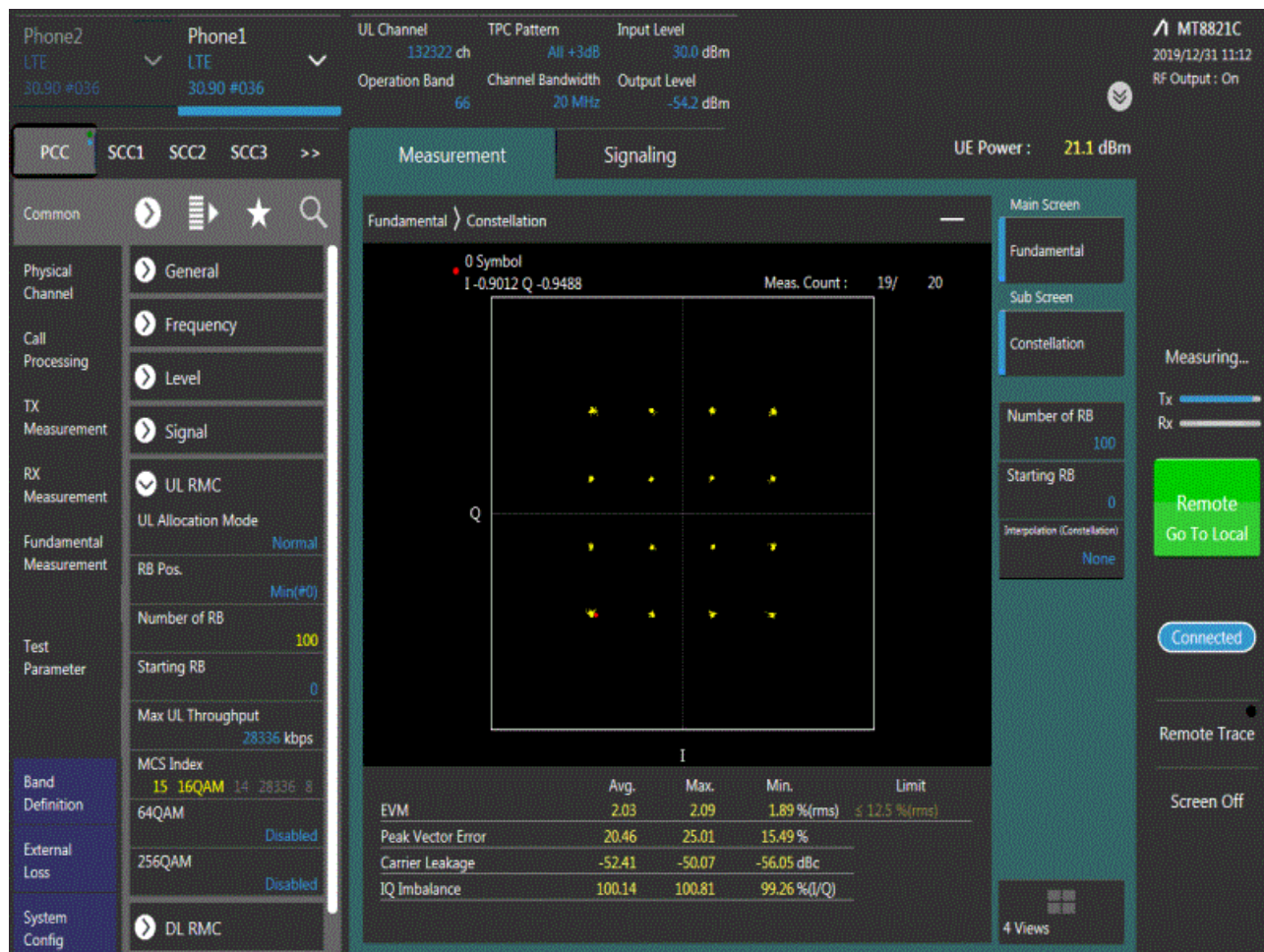
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## 3.2. Test Mode = LTE /TM2 20MHz

### 3.2.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 6RB#0            | 1.091                    | 1.293                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6RB#0            | 1.088                    | 1.287                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6RB#0            | 1.091                    | 1.302                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 6RB#0            | 1.091                    | 1.278                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 6RB#0            | 1.091                    | 1.293                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132665  | 6RB#0            | 1.091                    | 1.290                | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 15RB#0           | 2.685                    | 2.916                | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 15RB#0           | 2.685                    | 2.874                | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 15RB#0           | 2.685                    | 2.886                | PASS    |
| Band66 | 3MHz      | 16QAM      | 131987  | 15RB#0           | 2.691                    | 2.868                | PASS    |
| Band66 | 3MHz      | 16QAM      | 132322  | 15RB#0           | 2.679                    | 2.862                | PASS    |
| Band66 | 3MHz      | 16QAM      | 132657  | 15RB#0           | 2.679                    | 2.880                | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 25RB#0           | 4.486                    | 4.980                | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 25RB#0           | 4.466                    | 4.950                | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 25RB#0           | 4.476                    | 4.950                | PASS    |
| Band66 | 5MHz      | 16QAM      | 131997  | 25RB#0           | 4.505                    | 4.950                | PASS    |
| Band66 | 5MHz      | 16QAM      | 132322  | 25RB#0           | 4.486                    | 4.930                | PASS    |
| Band66 | 5MHz      | 16QAM      | 132647  | 25RB#0           | 4.496                    | 5.030                | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 50RB#0           | 8.991                    | 9.720                | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 50RB#0           | 8.991                    | 9.640                | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 50RB#0           | 8.971                    | 9.840                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132022  | 50RB#0           | 8.951                    | 9.620                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132322  | 50RB#0           | 8.991                    | 9.620                | PASS    |
| Band66 | 10MHz     | 16QAM      | 132622  | 50RB#0           | 8.951                    | 9.560                | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 75RB#0           | 13.636                   | 14.700               | PASS    |
| Band66 | 15MHz     | QPSK       | 132322  | 75RB#0           | 13.726                   | 14.910               | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 75RB#0           | 13.696                   | 14.970               | PASS    |
| Band66 | 15MHz     | 16QAM      | 132047  | 75RB#0           | 13.666                   | 14.880               | PASS    |
| Band66 | 15MHz     | 16QAM      | 132322  | 75RB#0           | 13.636                   | 14.880               | PASS    |
| Band66 | 15MHz     | 16QAM      | 132597  | 75RB#0           | 13.666                   | 14.880               | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0          | 18.102                   | 19.560               | PASS    |



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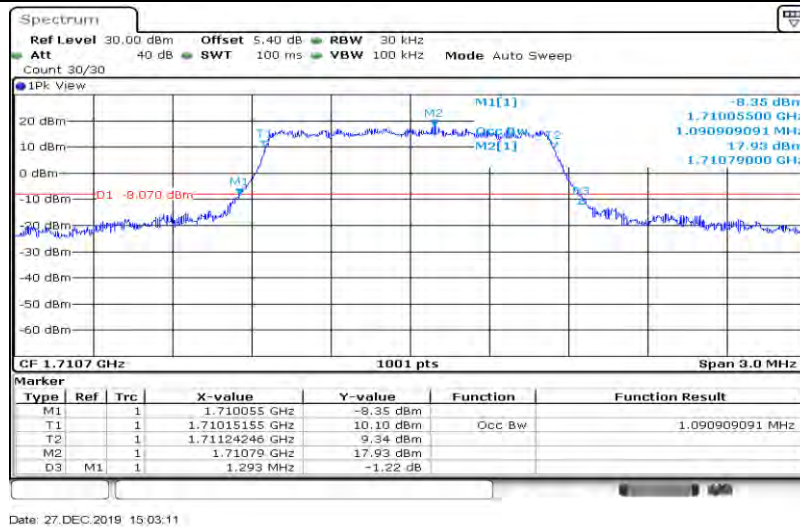
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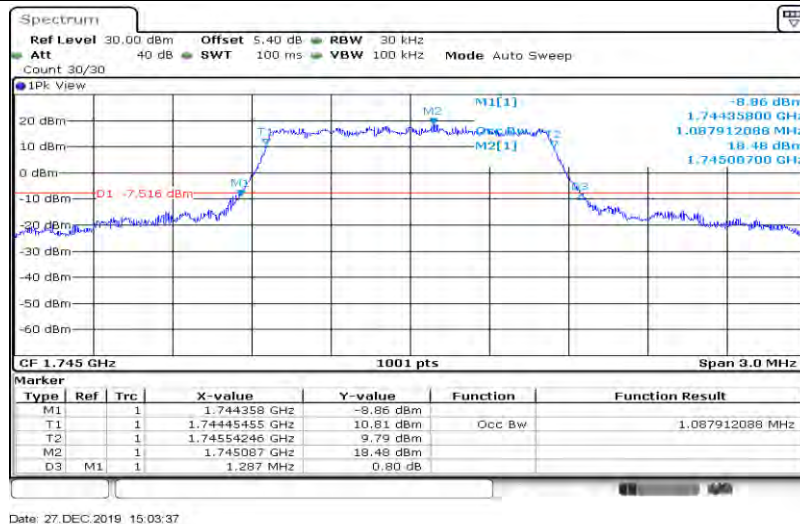
|        |       |       |        |         |        |        |      |
|--------|-------|-------|--------|---------|--------|--------|------|
| Band66 | 20MHz | QPSK  | 132322 | 100RB#0 | 18.062 | 19.360 | PASS |
| Band66 | 20MHz | QPSK  | 132572 | 100RB#0 | 18.182 | 19.760 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | 18.102 | 19.440 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 18.102 | 19.040 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 18.142 | 19.480 | PASS |

## 4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.091

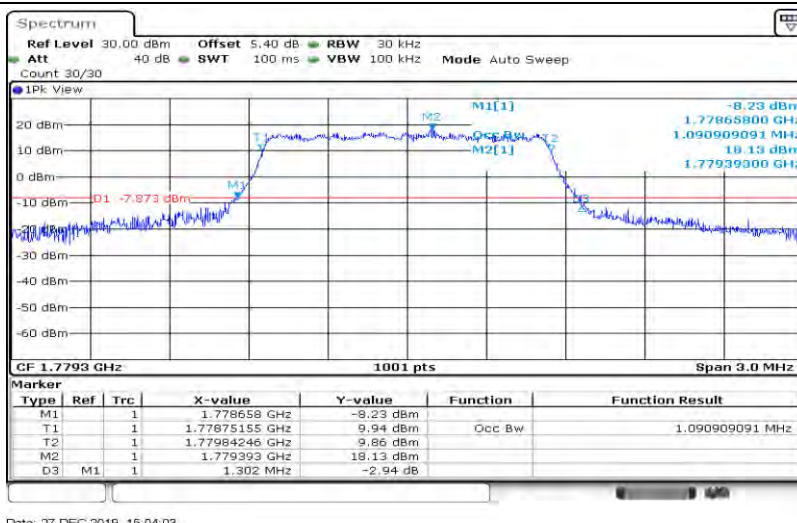


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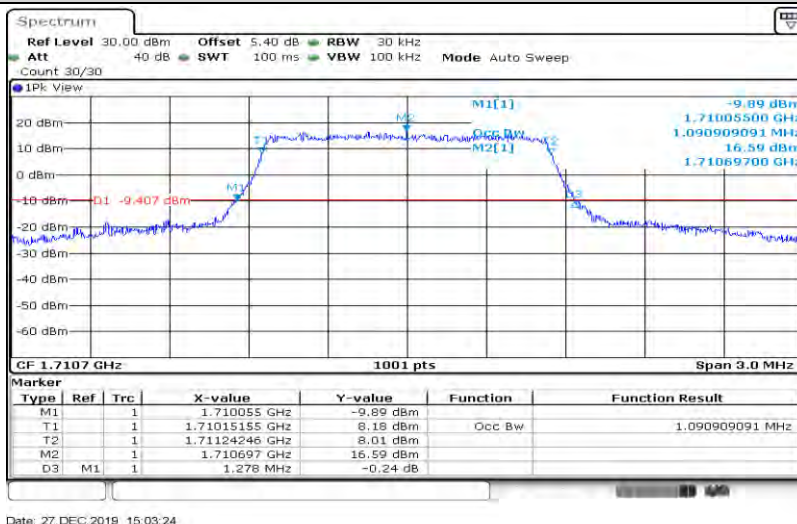


Band66-1.4MHz-QPSK-132665-6RB#0-1.091





Band66-1.4MHz-16QAM-131979-6RB#0-1.091



Band66-1.4MHz-16QAM-132322-6RB#0-1.091

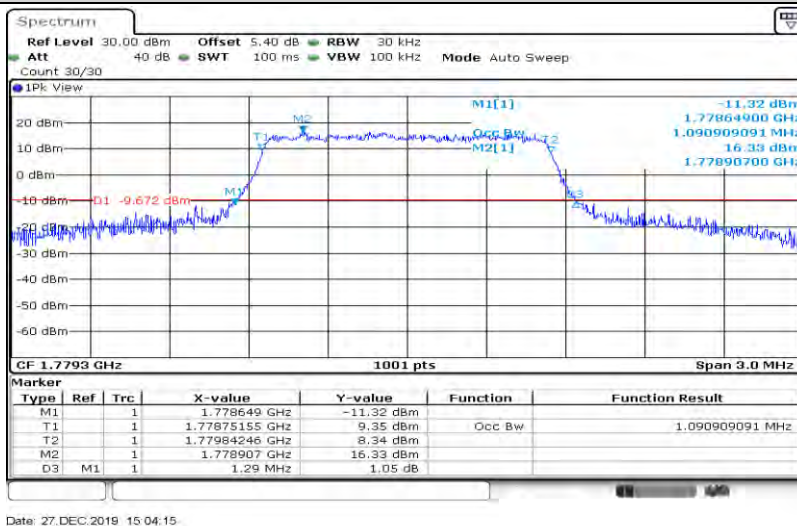


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Band66-1.4MHz-16QAM-132665-6RB#0-1.091

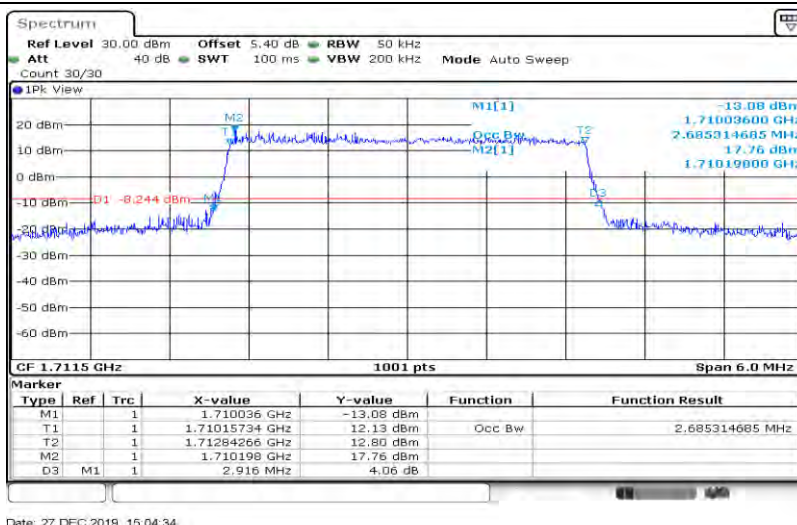


Band66-3MHz-QPSK-131987-15RB#0-2.685

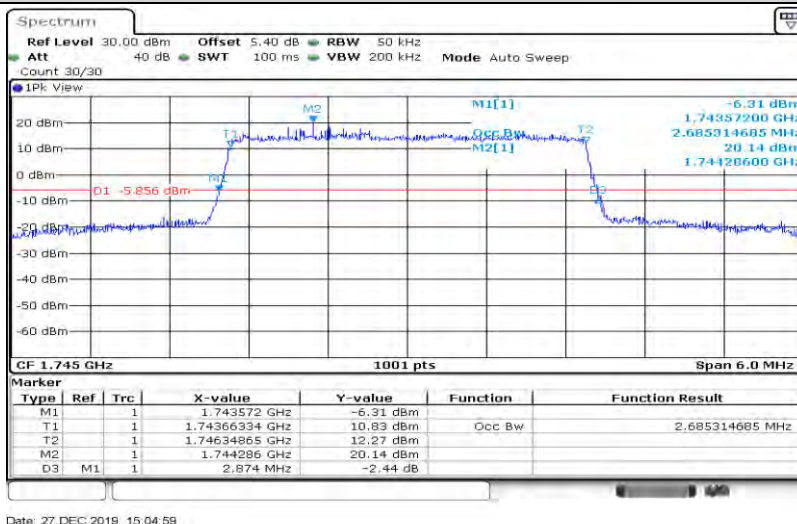


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Band66-3MHz-QPSK-132322-15RB#0-2.685

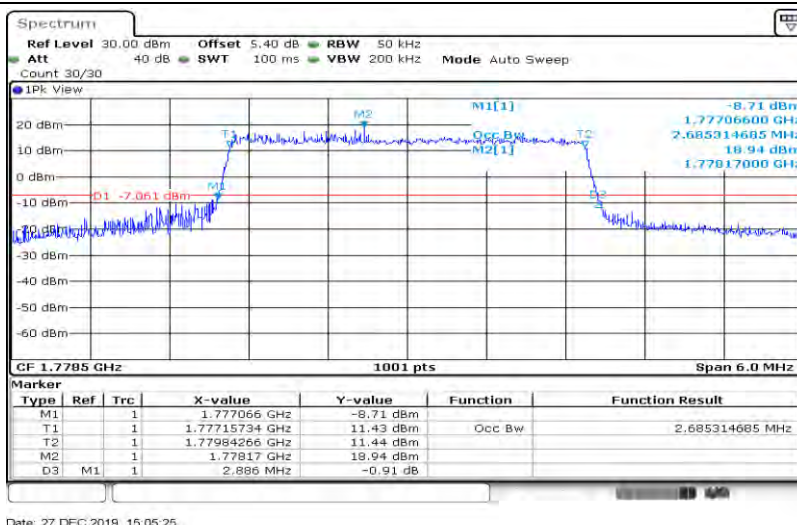


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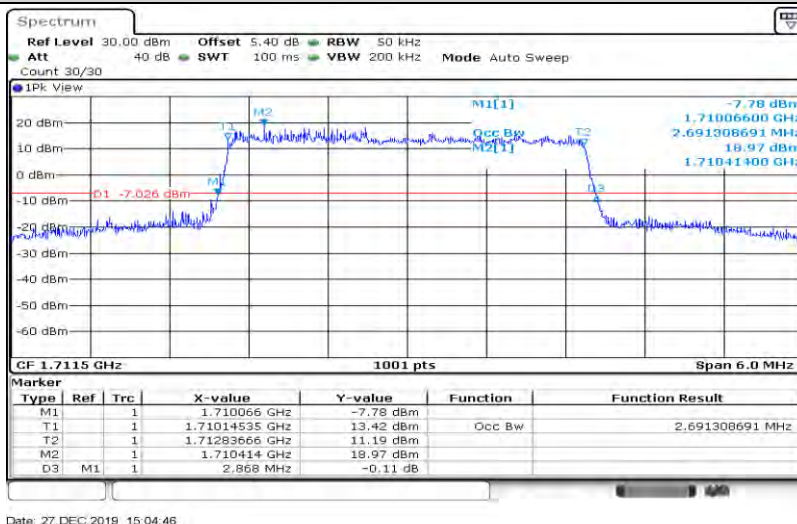


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Band66-3MHz-16QAM-131987-15RB#0-2.691

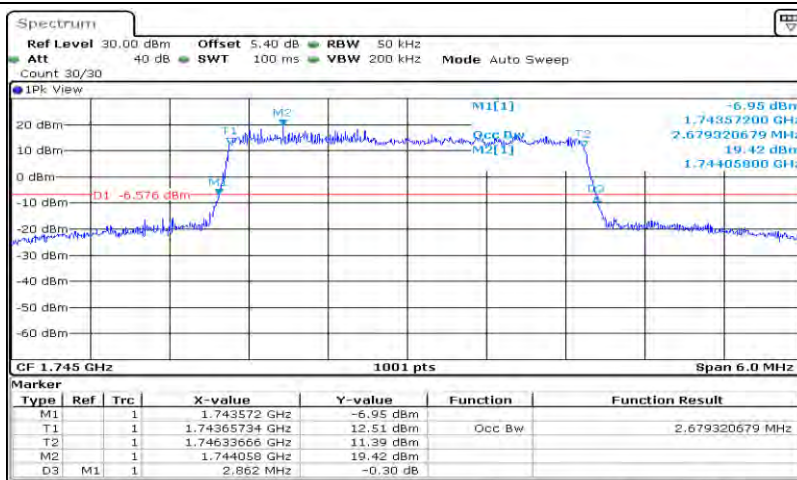


Band66-3MHz-16QAM-132322-15RB#0-2.679



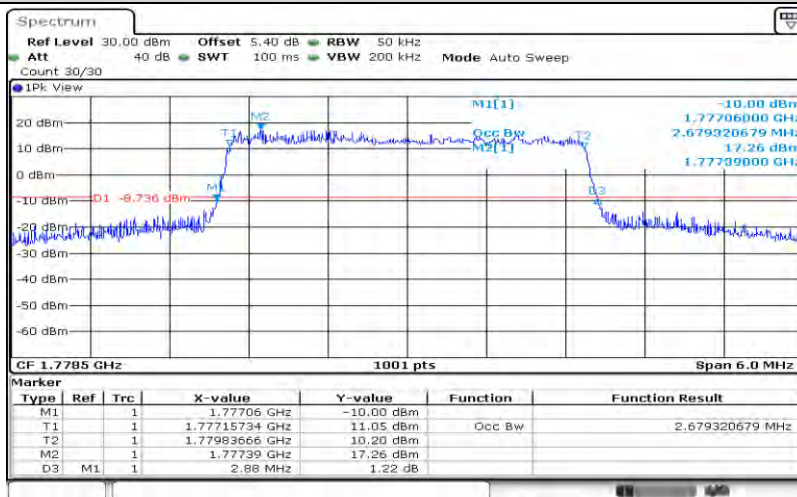
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Date: 27.DEC.2019 15:05:12

Band66-3MHz-16QAM-132657-15RB#0-2.679



Date: 27.DEC.2019 15:05:38

Band66-5MHz-QPSK-131997-25RB#0-4.486

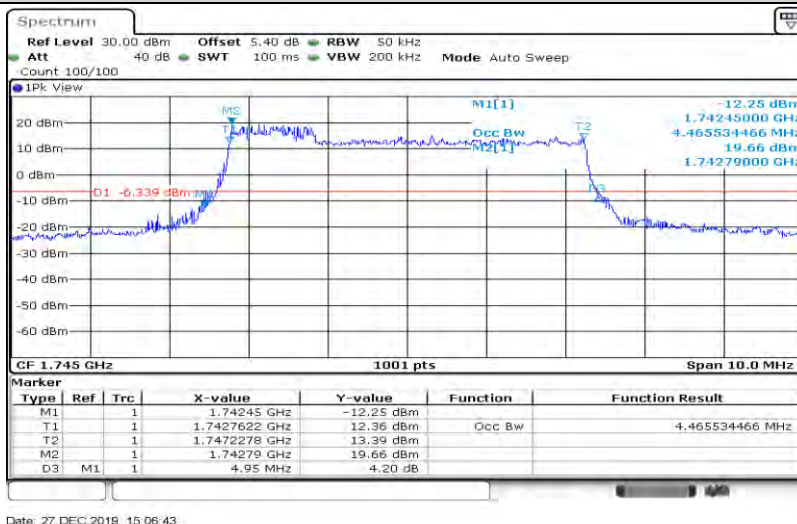


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Band66-5MHz-QPSK-132322-25RB#0-4.466

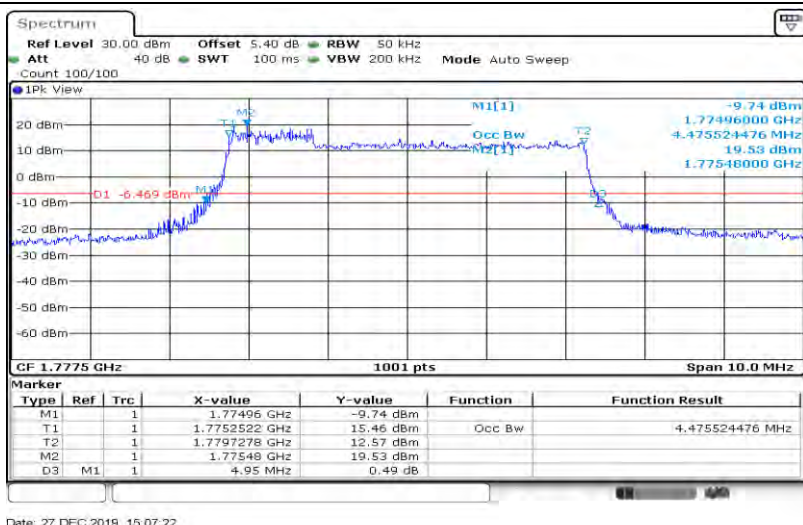


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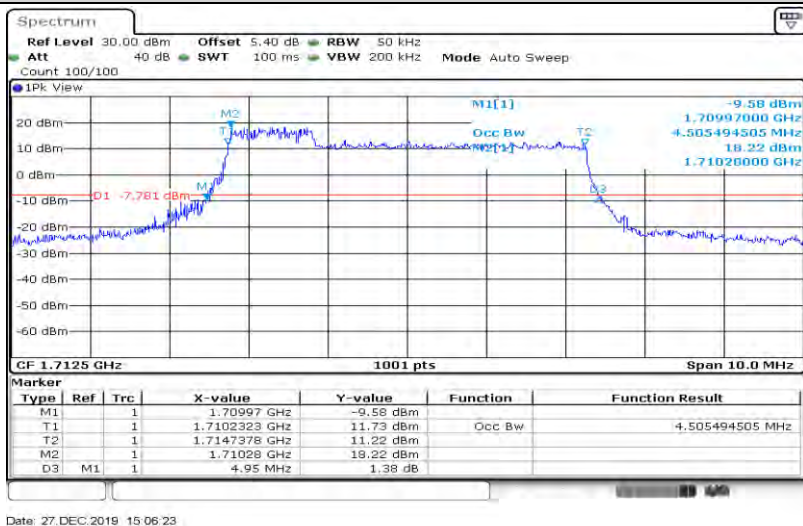


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Band66-5MHz-16QAM-131997-25RB#0-4.505



Band66-5MHz-16QAM-132322-25RB#0-4.486



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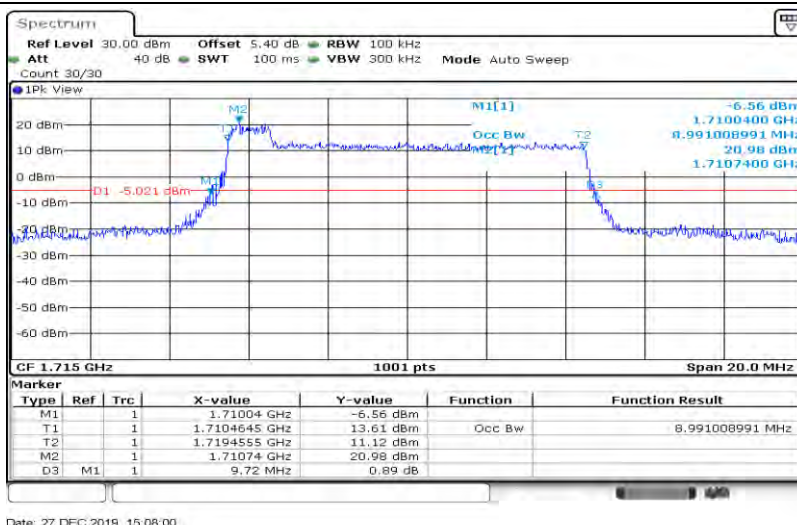


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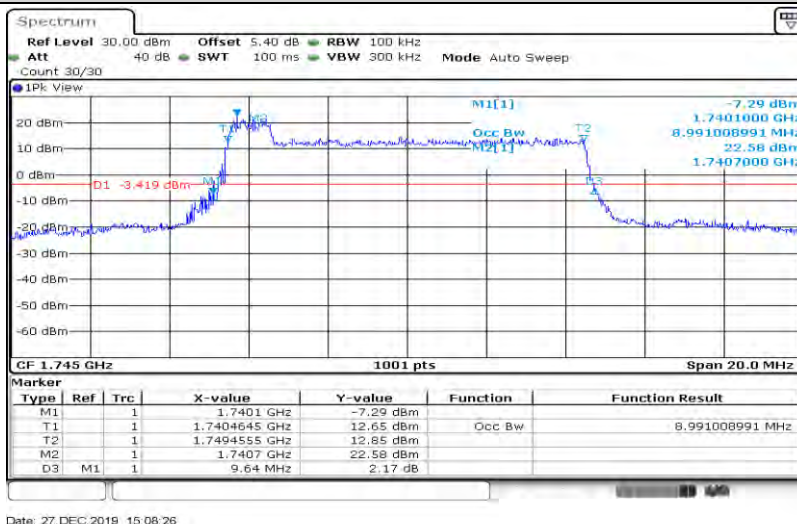


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Band66-10MHz-QPSK-132322-50RB#0-8.991



Band66-10MHz-QPSK-132622-50RB#0-8.971



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Band66-10MHz-16QAM-132022-50RB#0-8.951



Band66-10MHz-16QAM-132322-50RB#0-8.991



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Band66-10MHz-16QAM-132622-50RB#0-8.951



Band66-15MHz-QPSK-132047-75RB#0-13.636





Band66-15MHz-QPSK-132322-75RB#0-13.726

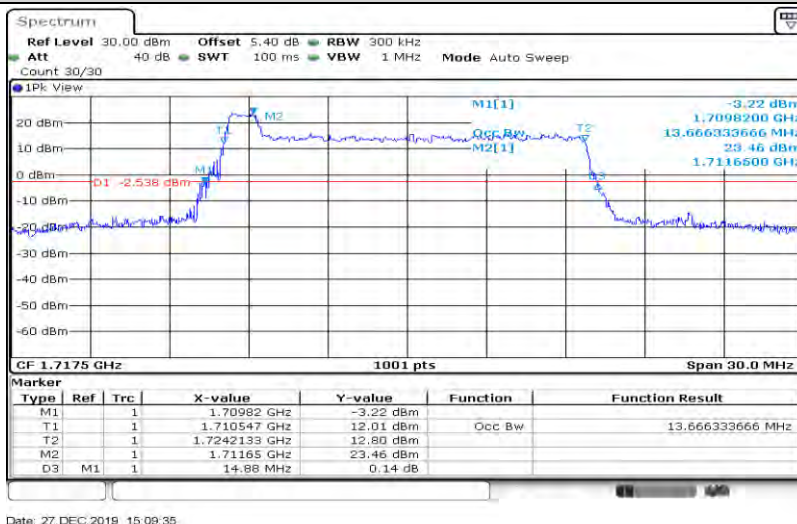


Band66-15MHz-QPSK-132597-75RB#0-13.696





## Band66-15MHz-16QAM-132047-75RB#0-13.666

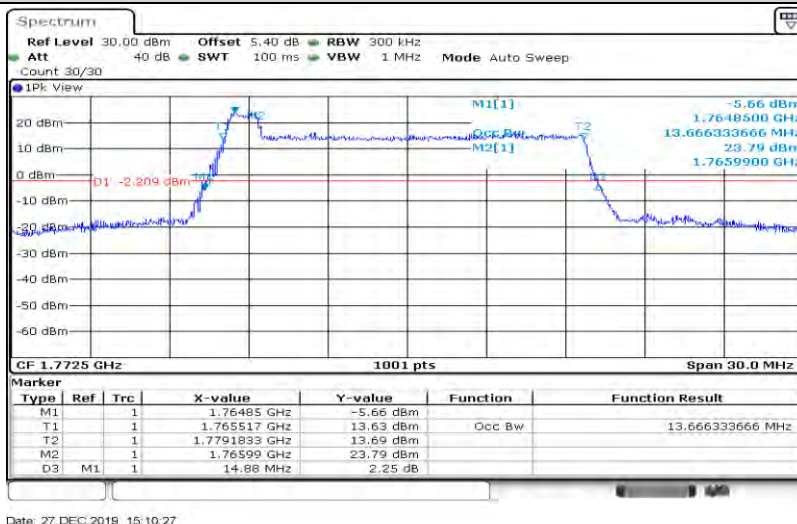


## Band66-15MHz-16QAM-132322-75RB#0-13.636





Band66-15MHz-16QAM-132597-75RB#0-13.666



Band66-20MHz-QPSK-132072-100RB#0-18.102



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Band66-20MHz-QPSK-132322-100RB#0-18.062



Band66-20MHz-QPSK-132572-100RB#0-18.182



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Band66-20MHz-16QAM-132072-100RB#0-18.102

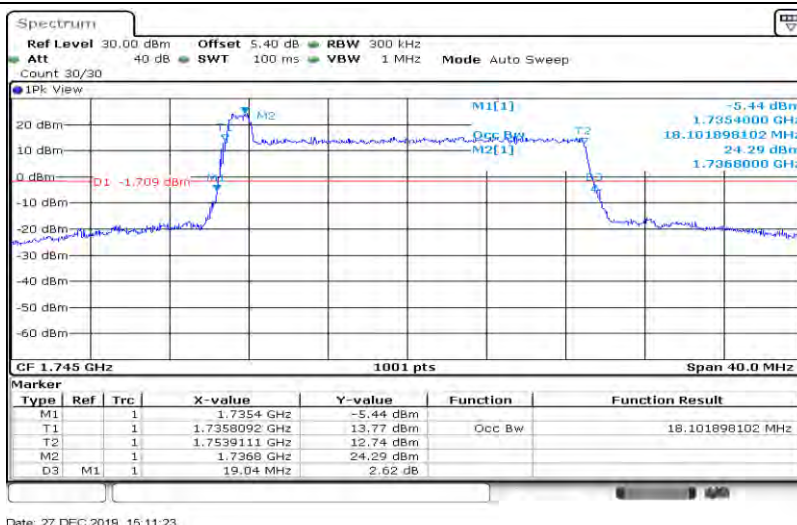


Band66-20MHz-16QAM-132322-100RB#0-18.102



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Band66-20MHz-16QAM-132572-100RB#0-18.142



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## 5. Band Edge Compliance

### 5.1. Test Plots

Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



Band66-1.4MHz-QPSK-132665-1RB#5





Band66-1.4MHz-QPSK-132665-6RB#0



Band66-1.4MHz-16QAM-131979-1RB#0



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Band66-1.4MHz-16QAM-131979-6RB#0



Band66-1.4MHz-16QAM-132665-1RB#5





Band66-1.4MHz-16QAM-132665-6RB#0



Band66-3MHz-QPSK-131987-1RB#0



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Band66-3MHz-QPSK-131987-15RB#0



Band66-3MHz-QPSK-132657-1RB#14



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Band66-3MHz-QPSK-132657-15RB#0



Band66-3MHz-16QAM-131987-1RB#0



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Band66-3MHz-16QAM-131987-15RB#0



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Band66-5MHz-QPSK-131997-1RB#0



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Band66-5MHz-QPSK-131997-25RB#0



Band66-5MHz-QPSK-132647-1RB#24



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Date: 27.DEC.2019 15:18:11

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Date: 27.DEC.2019 15:19:50

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Band66-10MHz-QPSK-132022-1RB#0





Date: 28.DEC.2019 00:33:10

Band66-10MHz-QPSK-132022-50RB#0



Date: 28.DEC.2019 00:33:48

Band66-10MHz-QPSK-132622-1RB#49



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Band66-10MHz-QPSK-132622-50RB#0



Band66-10MHz-16QAM-132022-1RB#0



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Band66-10MHz-16QAM-132022-50RB#0



Band66-10MHz-16QAM-132622-1RB#49



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Band66-10MHz-16QAM-132622-50RB#0



Band66-15MHz-QPSK-132047-1RB#0



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Band66-15MHz-QPSK-132047-75RB#0



Band66-15MHz-QPSK-132597-1RB#74



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Date: 28 DEC 2019 00:37:17

Band66-15MHz-QPSK-132597-75RB#0



Date: 28 DEC 2019 00:37:56

Band66-15MHz-16QAM-132047-1RB#0



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Band66-15MHz-16QAM-132047-75RB#0



Band66-15MHz-16QAM-132597-1RB#74



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Band66-15MHz-16QAM-132597-75RB#0



Band66-20MHz-QPSK-132072-1RB#0



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Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132572-1RB#99



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Band66-20MHz-QPSK-132572-100RB#0



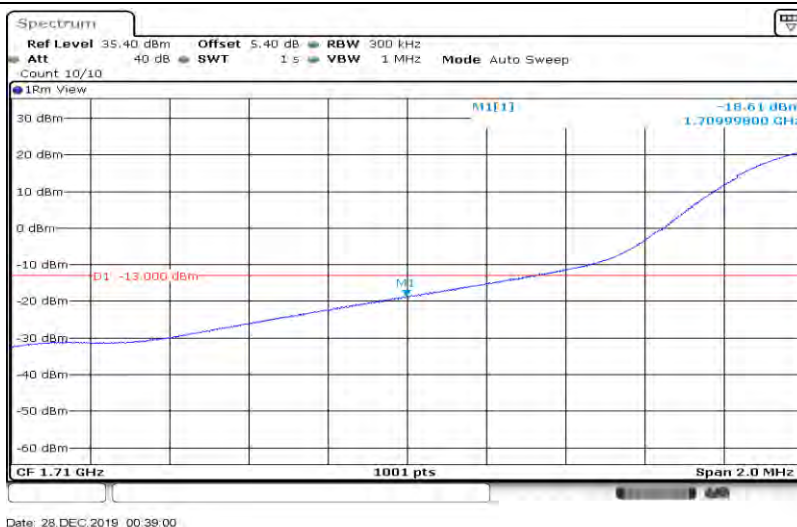
Band66-20MHz-16QAM-132072-1RB#0



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Band66-20MHz-16QAM-132072-100RB#0



Band66-20MHz-16QAM-132572-1RB#99





Date: 28.DEC.2019 00:40:22

Band66-20MHz-16QAM-132572-100RB#0



Date: 28.DEC.2019 00:41:01



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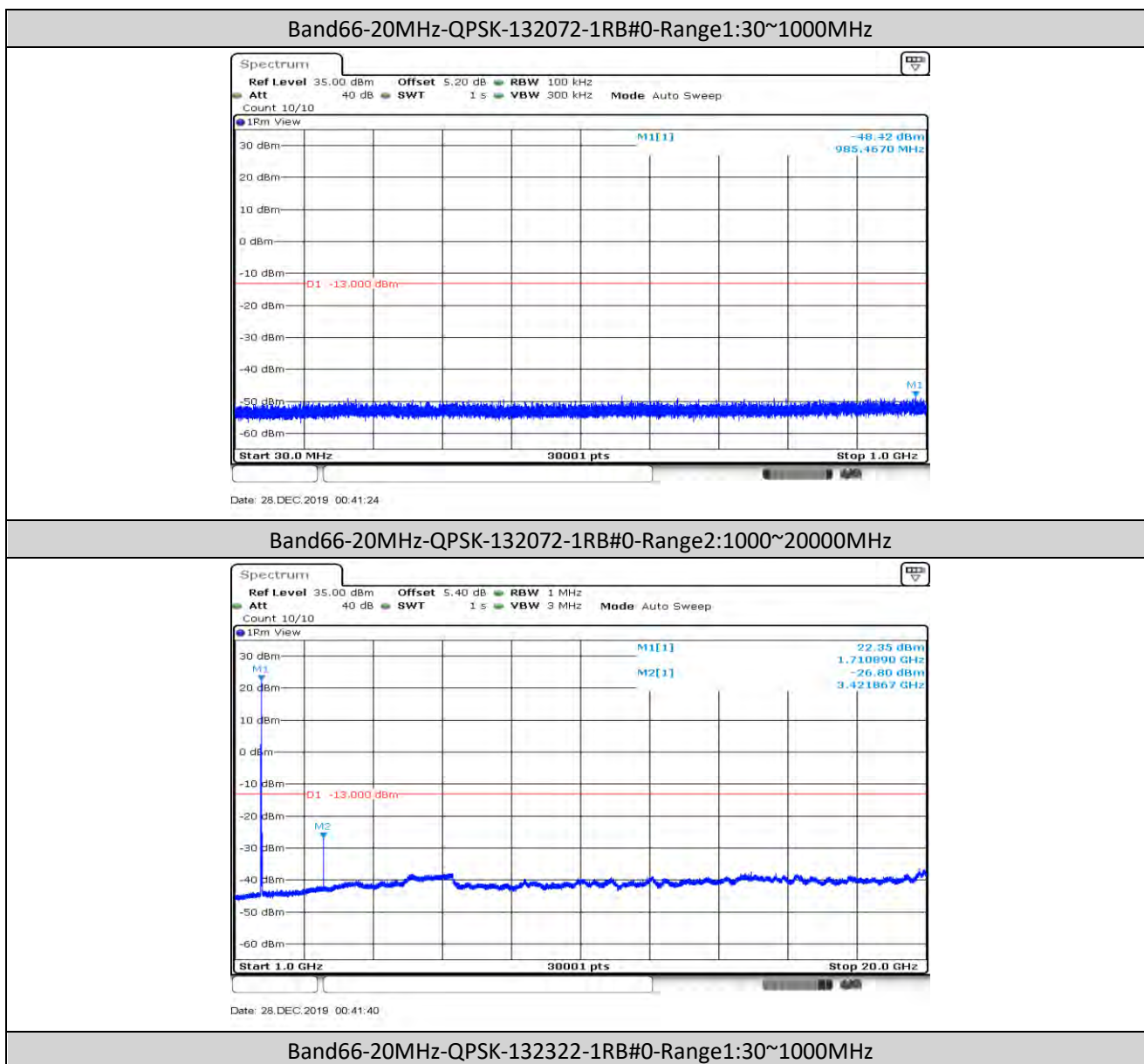


## 6. Spurious Emission at Antenna Terminal

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

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

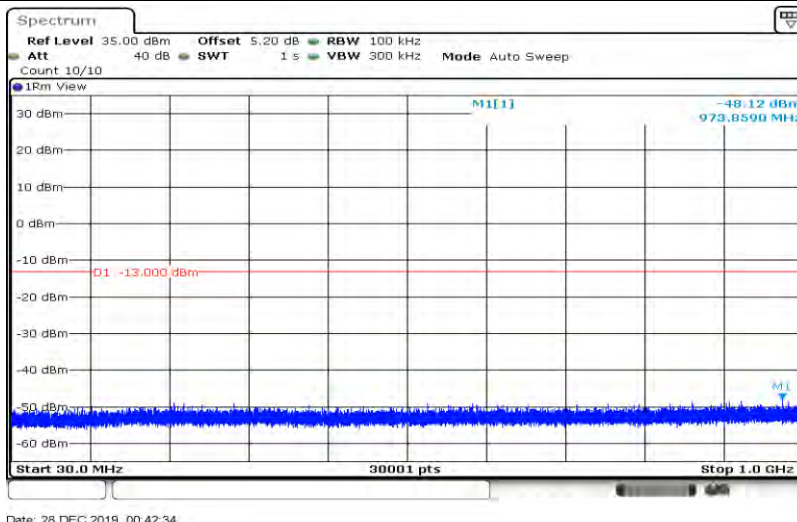
### 6.1. Test Plots



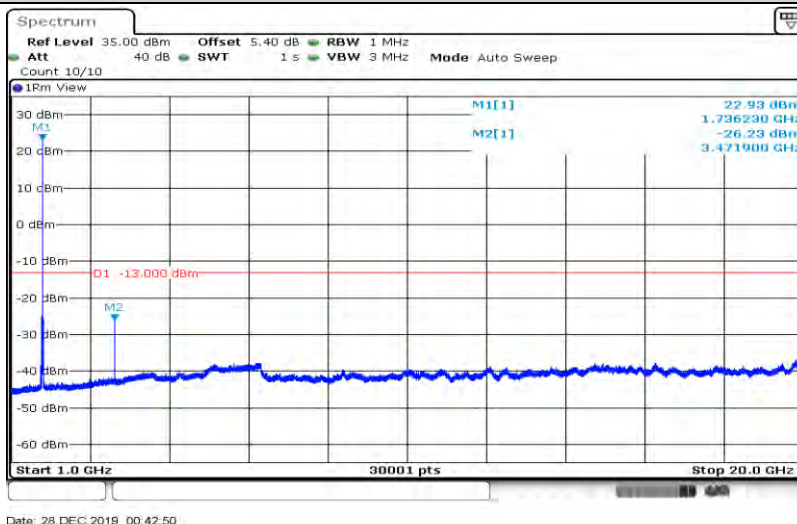
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Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



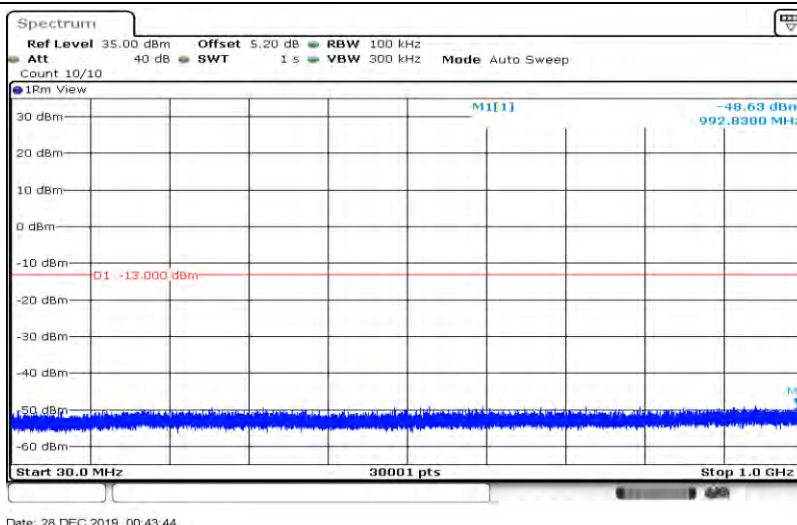
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



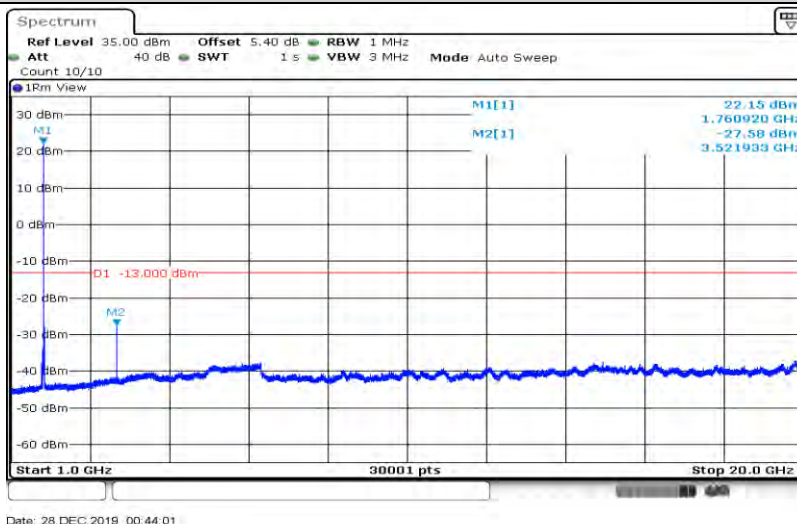
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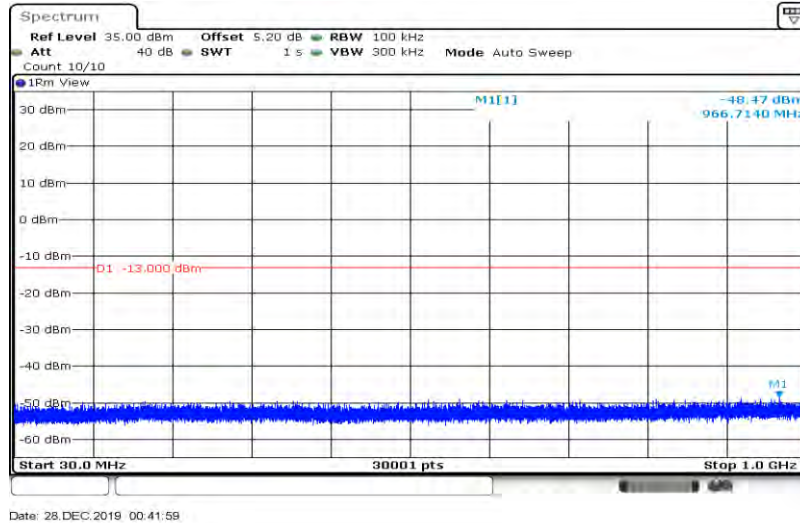


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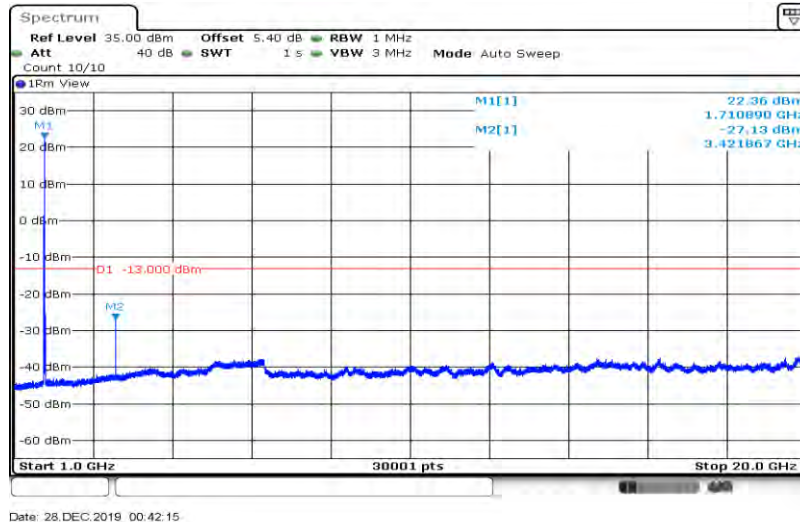


Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz





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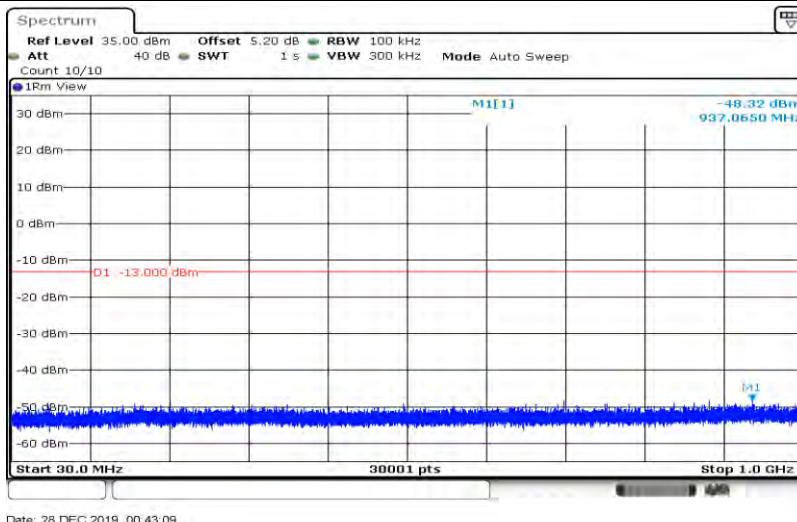


Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz

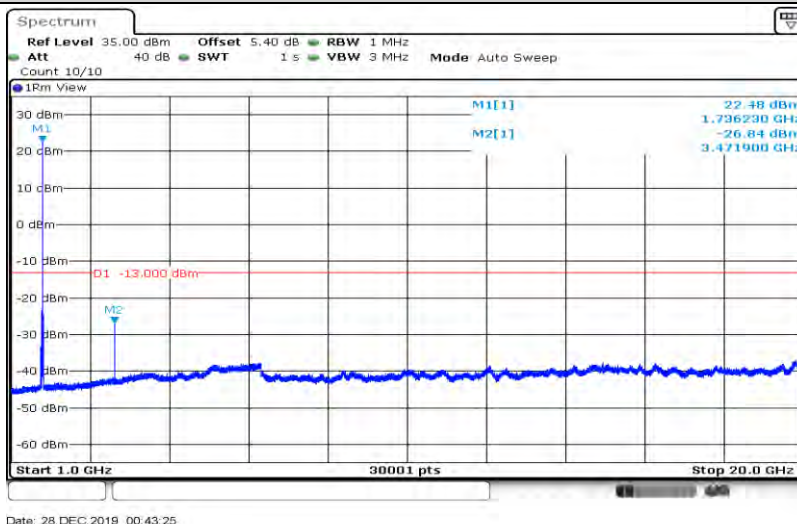


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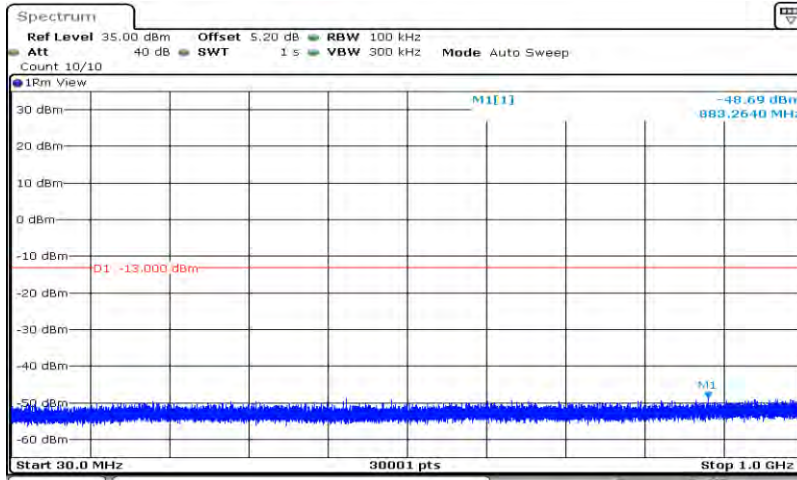


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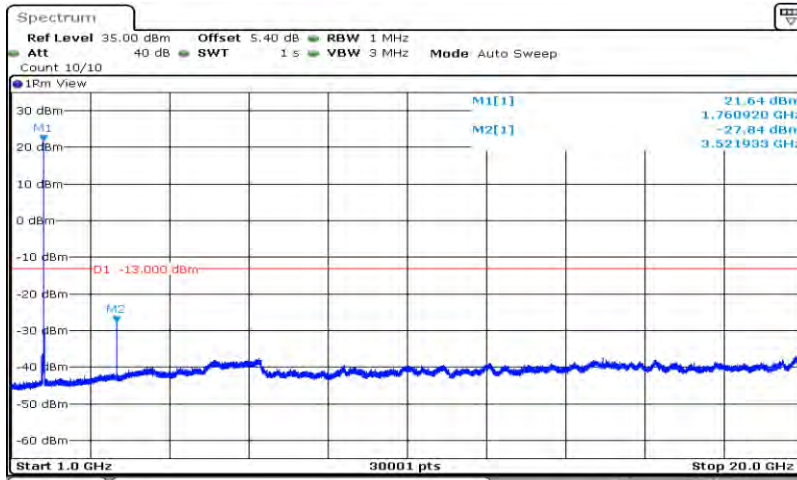
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Date: 28.DEC.2019 00:44:19

Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



Date: 28.DEC.2019 00:44:36



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1

#### 7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 35.5778         | -71.05      | -13.00           | 58.05       | Vertical     |
| 3472.0157       | -30.60      | -13.00           | 17.60       | Vertical     |
| 5208.0736       | -52.97      | -13.00           | 39.97       | Vertical     |
| 6944.1315       | -43.52      | -13.00           | 30.52       | Vertical     |
| 8680.1893       | -34.46      | -13.00           | 21.46       | Vertical     |
| 17995.9999      | -40.79      | -13.00           | 27.79       | Vertical     |
| 35.7718         | -57.41      | -13.00           | 44.41       | Horizontal   |
| 3472.0157       | -28.90      | -13.00           | 15.90       | Horizontal   |
| 5208.0736       | -51.76      | -13.00           | 38.76       | Horizontal   |
| 6944.1315       | -43.32      | -13.00           | 30.32       | Horizontal   |
| 8680.6894       | -38.71      | -13.00           | 25.71       | Horizontal   |
| 10416.7472      | -41.05      | -13.00           | 28.05       | Horizontal   |

#### 7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 35.6263         | -69.30      | -13.00           | 56.30       | Vertical     |
| 3422.0141       | -30.39      | -13.00           | 17.39       | Vertical     |
| 5133.5711       | -49.84      | -13.00           | 36.84       | Vertical     |
| 6844.6282       | -45.30      | -13.00           | 32.30       | Vertical     |
| 8555.1852       | -34.85      | -13.00           | 21.85       | Vertical     |
| 10266.7422      | -44.40      | -13.00           | 31.40       | Vertical     |
| 35.7718         | -54.16      | -13.00           | 41.16       | Horizontal   |
| 3422.0141       | -28.63      | -13.00           | 15.63       | Horizontal   |
| 5133.5711       | -50.35      | -13.00           | 37.35       | Horizontal   |
| 6844.1281       | -42.62      | -13.00           | 29.62       | Horizontal   |
| 8555.6852       | -37.75      | -13.00           | 24.75       | Horizontal   |
| 10266.2422      | -39.66      | -13.00           | 26.66       | Horizontal   |



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### 7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 35.6263         | -74.71      | -13.00           | 61.71       | Vertical     |
| 3522.0174       | -28.94      | -13.00           | 15.94       | Vertical     |
| 5283.0761       | -56.67      | -13.00           | 43.67       | Vertical     |
| 7044.1348       | -44.70      | -13.00           | 31.70       | Vertical     |
| 8805.1935       | -37.28      | -13.00           | 24.28       | Vertical     |
| 17997.9999      | -39.24      | -13.00           | 26.24       | Vertical     |
| 35.7718         | -60.34      | -13.00           | 47.34       | Horizontal   |
| 3522.0174       | -27.13      | -13.00           | 14.13       | Horizontal   |
| 5283.0761       | -55.17      | -13.00           | 42.17       | Horizontal   |
| 7044.6348       | -43.49      | -13.00           | 30.49       | Horizontal   |
| 8805.1935       | -40.33      | -13.00           | 27.33       | Horizontal   |
| 10566.2522      | -40.41      | -13.00           | 27.41       | Horizontal   |

#### Remark:

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



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | VL            | NT               | -10.10         | -0.005872       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | VN            | NT               | -11.40         | -0.006628       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | VH            | NT               | 0.00           | 0.000000        | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | VL            | NT               | -9.10          | -0.005215       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | VN            | NT               | 5.40           | 0.003095        | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | VH            | NT               | -9.40          | -0.005387       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | VL            | NT               | -9.40          | -0.005311       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | VN            | NT               | -2.50          | -0.001412       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | VH            | NT               | 3.20           | 0.001808        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0      | VL            | NT               | 3.20           | 0.001860        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0      | VN            | NT               | 0.20           | 0.000116        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0      | VH            | NT               | -15.70         | -0.009128       | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0      | VL            | NT               | 6.50           | 0.003725        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0      | VN            | NT               | -4.70          | -0.002693       | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 100RB#0      | VH            | NT               | 3.20           | 0.001860        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0      | VL            | NT               | 2.40           | 0.001356        | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0      | VN            | NT               | -9.30          | -0.005254       | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 100RB#0      | VH            | NT               | -6.20          | -0.003503       | ±2.5        | PASS    |

### 8.2. Frequency Vs Temperature

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | NV            | -30              | -2.80          | -0.001628       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | NV            | -20              | -2.40          | -0.001395       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | NV            | 0                | -7.40          | -0.004302       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | NV            | 10               | 1.10           | 0.000640        | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 100RB#0      | NV            | 20               | -3.80          | -0.002209       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | NV            | -30              | -7.50          | -0.004298       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | NV            | -20              | -12.20         | -0.006991       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | NV            | 0                | 2.90           | 0.001662        | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | NV            | 10               | 2.40           | 0.001375        | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 100RB#0      | NV            | 20               | -3.20          | -0.001834       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | NV            | -30              | -8.50          | -0.004802       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | NV            | -20              | -9.00          | -0.005085       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | NV            | 0                | -4.10          | -0.002316       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | NV            | 10               | -5.80          | -0.003277       | ±2.5        | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 100RB#0      | NV            | 20               | -5.80          | -0.003277       | ±2.5        | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 100RB#0      | NV            | -30              | -13.60         | -0.007907       | ±2.5        | PASS    |



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|        |       |       |        |         |    |     |        |           |      |      |
|--------|-------|-------|--------|---------|----|-----|--------|-----------|------|------|
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | NV | -20 | 0.10   | 0.000058  | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | NV | 0   | -7.10  | -0.004128 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | NV | 10  | -4.40  | -0.002558 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | NV | 20  | -5.10  | -0.002965 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | NV | -30 | -4.40  | -0.002521 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | NV | -20 | -10.20 | -0.005845 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | NV | 0   | -4.70  | -0.002693 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | NV | 10  | -12.50 | -0.007163 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | NV | 20  | -10.00 | -0.005731 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | NV | -30 | -2.70  | -0.001525 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | NV | -20 | -0.30  | -0.000169 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | NV | 0   | -3.80  | -0.002147 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | NV | 10  | -5.00  | -0.002825 | ±2.5 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | NV | 20  | -12.30 | -0.006949 | ±2.5 | PASS |



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