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Rev.: 01
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Appendix B.17

LTE Band 66



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant13:

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band66 | 1.4MHz | QPSK | 131979 | 1RB#0 | 22.12 | 21.8 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 131979 | 1RB#2 | 22.28 | 21.96 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 131979 | 1RB#5 | 22.3 | 21.98 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 131979 | 6RB#0 | 21.34 | 21.02 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132322 | 1RB#0 | 22.28 | 21.96 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132322 | 1RB#2 | 22.41 | 22.09 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132322 | 1RB#5 | 22.23 | 21.91 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132322 | 6RB#0 | 21.4 | 21.08 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132665 | 1RB#0 | 22.13 | 21.81 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132665 | 1RB#2 | 22.3 | 21.98 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132665 | 1RB#5 | 22.29 | 21.97 | 30 | PASS |
| Band66 | 1.4MHz | QPSK | 132665 | 6RB#0 | 21.24 | 20.92 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 1RB#0 | 21.53 | 21.21 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 1RB#2 | 21.63 | 21.31 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 1RB#5 | 21.69 | 21.37 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 6RB#0 | 20.57 | 20.25 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 1RB#0 | 21.61 | 21.29 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 1RB#2 | 21.68 | 21.36 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 1RB#5 | 21.68 | 21.36 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 6RB#0 | 20.6 | 20.28 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 1RB#0 | 21.72 | 21.4 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 1RB#2 | 21.31 | 20.99 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 1RB#5 | 21.41 | 21.09 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 6RB#0 | 20.3 | 19.98 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 131979 | 1RB#0 | 20.54 | 20.22 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 131979 | 1RB#2 | 20.72 | 20.4 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 131979 | 1RB#5 | 20.54 | 20.22 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 131979 | 6RB#0 | 19.47 | 19.15 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132322 | 1RB#0 | 20.74 | 20.42 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132322 | 1RB#2 | 20.88 | 20.56 | 30 | PASS |



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| | | | | | | | | |
|--------|--------|-------|--------|--------|-------|-------|----|------|
| Band66 | 1.4MHz | 64QAM | 132322 | 1RB#5 | 20.84 | 20.52 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132322 | 6RB#0 | 19.7 | 19.38 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132665 | 1RB#0 | 20.56 | 20.24 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132665 | 1RB#2 | 20.49 | 20.17 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132665 | 1RB#5 | 20.47 | 20.15 | 30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132665 | 6RB#0 | 19.34 | 19.02 | 30 | PASS |
| Band66 | 3MHz | QPSK | 131987 | 1RB#0 | 22.23 | 21.91 | 30 | PASS |
| Band66 | 3MHz | QPSK | 131987 | 1RB#8 | 22.24 | 21.92 | 30 | PASS |
| Band66 | 3MHz | QPSK | 131987 | 1RB#14 | 22.2 | 21.88 | 30 | PASS |
| Band66 | 3MHz | QPSK | 131987 | 15RB#0 | 21.35 | 21.03 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132322 | 1RB#0 | 22.53 | 22.21 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132322 | 1RB#8 | 22.59 | 22.27 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132322 | 1RB#14 | 22.48 | 22.16 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132322 | 15RB#0 | 21.48 | 21.16 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132657 | 1RB#0 | 22.38 | 22.06 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132657 | 1RB#8 | 22.54 | 22.22 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132657 | 1RB#14 | 22.37 | 22.05 | 30 | PASS |
| Band66 | 3MHz | QPSK | 132657 | 15RB#0 | 21.25 | 20.93 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 131987 | 1RB#0 | 21.58 | 21.26 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 131987 | 1RB#8 | 21.65 | 21.33 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 131987 | 1RB#14 | 21.46 | 21.14 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 131987 | 15RB#0 | 20.4 | 20.08 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132322 | 1RB#0 | 21.84 | 21.52 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132322 | 1RB#8 | 21.61 | 21.29 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132322 | 1RB#14 | 21.79 | 21.47 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132322 | 15RB#0 | 20.51 | 20.19 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132657 | 1RB#0 | 21.36 | 21.04 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132657 | 1RB#8 | 21.83 | 21.51 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132657 | 1RB#14 | 21.65 | 21.33 | 30 | PASS |
| Band66 | 3MHz | 16QAM | 132657 | 15RB#0 | 20.26 | 19.94 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 131987 | 1RB#0 | 20.73 | 20.41 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 131987 | 1RB#8 | 20.73 | 20.41 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 131987 | 1RB#14 | 20.52 | 20.2 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 131987 | 15RB#0 | 19.49 | 19.17 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132322 | 1RB#0 | 20.87 | 20.55 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132322 | 1RB#8 | 20.78 | 20.46 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132322 | 1RB#14 | 20.7 | 20.38 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132322 | 15RB#0 | 19.65 | 19.33 | 30 | PASS |



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|--------|------|-------|--------|--------|-------|-------|----|------|
| Band66 | 3MHz | 64QAM | 132657 | 1RB#0 | 20.74 | 20.42 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132657 | 1RB#8 | 20.6 | 20.28 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132657 | 1RB#14 | 20.47 | 20.15 | 30 | PASS |
| Band66 | 3MHz | 64QAM | 132657 | 15RB#0 | 19.35 | 19.03 | 30 | PASS |
| Band66 | 5MHz | QPSK | 131997 | 1RB#0 | 22.45 | 22.13 | 30 | PASS |
| Band66 | 5MHz | QPSK | 131997 | 1RB#12 | 22.32 | 22 | 30 | PASS |
| Band66 | 5MHz | QPSK | 131997 | 1RB#24 | 22.33 | 22.01 | 30 | PASS |
| Band66 | 5MHz | QPSK | 131997 | 25RB#0 | 21.32 | 21 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132322 | 1RB#0 | 22.44 | 22.12 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132322 | 1RB#12 | 22.63 | 22.31 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132322 | 1RB#24 | 22.41 | 22.09 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132322 | 25RB#0 | 21.48 | 21.16 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132647 | 1RB#0 | 22.24 | 21.92 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132647 | 1RB#12 | 22.29 | 21.97 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132647 | 1RB#24 | 22.3 | 21.98 | 30 | PASS |
| Band66 | 5MHz | QPSK | 132647 | 25RB#0 | 21.43 | 21.11 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 131997 | 1RB#0 | 21.63 | 21.31 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 131997 | 1RB#12 | 21.63 | 21.31 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 131997 | 1RB#24 | 21.54 | 21.22 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 131997 | 25RB#0 | 20.37 | 20.05 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132322 | 1RB#0 | 21.87 | 21.55 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132322 | 1RB#12 | 21.64 | 21.32 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132322 | 1RB#24 | 21.65 | 21.33 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132322 | 25RB#0 | 20.6 | 20.28 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132647 | 1RB#0 | 22.03 | 21.71 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132647 | 1RB#12 | 21.44 | 21.12 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132647 | 1RB#24 | 21.41 | 21.09 | 30 | PASS |
| Band66 | 5MHz | 16QAM | 132647 | 25RB#0 | 20.49 | 20.17 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 131997 | 1RB#0 | 20.83 | 20.51 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 131997 | 1RB#12 | 20.75 | 20.43 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 131997 | 1RB#24 | 20.68 | 20.36 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 131997 | 25RB#0 | 19.57 | 19.25 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132322 | 1RB#0 | 20.93 | 20.61 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132322 | 1RB#12 | 20.88 | 20.56 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132322 | 1RB#24 | 20.73 | 20.41 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132322 | 25RB#0 | 19.66 | 19.34 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132647 | 1RB#0 | 20.76 | 20.44 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132647 | 1RB#12 | 20.54 | 20.22 | 30 | PASS |



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|--------|-------|-------|--------|--------|-------|-------|----|------|
| Band66 | 5MHz | 64QAM | 132647 | 1RB#24 | 20.51 | 20.19 | 30 | PASS |
| Band66 | 5MHz | 64QAM | 132647 | 25RB#0 | 19.47 | 19.15 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132022 | 1RB#0 | 21.8 | 21.48 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132022 | 1RB#24 | 22.22 | 21.9 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132022 | 1RB#49 | 22.85 | 22.53 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132022 | 50RB#0 | 21.52 | 21.2 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 1RB#0 | 21.88 | 21.56 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 1RB#24 | 22.4 | 22.08 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 1RB#49 | 22.73 | 22.41 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 50RB#0 | 21.52 | 21.2 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132622 | 1RB#0 | 21.71 | 21.39 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132622 | 1RB#24 | 22.19 | 21.87 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132622 | 1RB#49 | 22.56 | 22.24 | 30 | PASS |
| Band66 | 10MHz | QPSK | 132622 | 50RB#0 | 21.45 | 21.13 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#0 | 21.04 | 20.72 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#24 | 21.64 | 21.32 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1RB#49 | 22.08 | 21.76 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 50RB#0 | 20.57 | 20.25 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#0 | 21.06 | 20.74 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#24 | 21.77 | 21.45 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1RB#49 | 21.97 | 21.65 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 50RB#0 | 20.55 | 20.23 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#0 | 20.97 | 20.65 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#24 | 21.65 | 21.33 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1RB#49 | 21.93 | 21.61 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 50RB#0 | 20.5 | 20.18 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132022 | 1RB#0 | 19.98 | 19.66 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132022 | 1RB#24 | 20.67 | 20.35 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132022 | 1RB#49 | 21.15 | 20.83 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132022 | 50RB#0 | 19.57 | 19.25 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132322 | 1RB#0 | 20.23 | 19.91 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132322 | 1RB#24 | 20.75 | 20.43 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132322 | 1RB#49 | 21.06 | 20.74 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132322 | 50RB#0 | 19.7 | 19.38 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132622 | 1RB#0 | 20.08 | 19.76 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132622 | 1RB#24 | 20.61 | 20.29 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132622 | 1RB#49 | 20.96 | 20.64 | 30 | PASS |
| Band66 | 10MHz | 64QAM | 132622 | 50RB#0 | 19.6 | 19.28 | 30 | PASS |



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|--------|-------|-------|--------|--------|-------|-------|----|------|
| Band66 | 15MHz | QPSK | 132047 | 1RB#0 | 22.62 | 22.3 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132047 | 1RB#38 | 22.3 | 21.98 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132047 | 1RB#74 | 22.82 | 22.5 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132047 | 75RB#0 | 21.34 | 21.02 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 1RB#0 | 22.54 | 22.22 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 1RB#38 | 22.47 | 22.15 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 1RB#74 | 22.52 | 22.2 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0 | 21.35 | 21.03 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132597 | 1RB#0 | 22.56 | 22.24 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132597 | 1RB#38 | 22.36 | 22.04 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132597 | 1RB#74 | 22.4 | 22.08 | 30 | PASS |
| Band66 | 15MHz | QPSK | 132597 | 75RB#0 | 21.35 | 21.03 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#0 | 21.75 | 21.43 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#38 | 21.7 | 21.38 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1RB#74 | 21.65 | 21.33 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 75RB#0 | 20.38 | 20.06 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#0 | 21.9 | 21.58 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#38 | 21.74 | 21.42 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1RB#74 | 21.77 | 21.45 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 75RB#0 | 20.37 | 20.05 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#0 | 21.96 | 21.64 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#38 | 21.51 | 21.19 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1RB#74 | 21.44 | 21.12 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 75RB#0 | 20.28 | 19.96 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132047 | 1RB#0 | 21.05 | 20.73 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132047 | 1RB#38 | 20.56 | 20.24 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132047 | 1RB#74 | 21 | 20.68 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132047 | 75RB#0 | 19.51 | 19.19 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132322 | 1RB#0 | 21.11 | 20.79 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132322 | 1RB#38 | 20.68 | 20.36 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132322 | 1RB#74 | 20.93 | 20.61 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132322 | 75RB#0 | 19.58 | 19.26 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132597 | 1RB#0 | 20.93 | 20.61 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132597 | 1RB#38 | 20.52 | 20.2 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132597 | 1RB#74 | 20.49 | 20.17 | 30 | PASS |
| Band66 | 15MHz | 64QAM | 132597 | 75RB#0 | 19.41 | 19.09 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132072 | 1RB#0 | 22.26 | 21.94 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132072 | 1RB#49 | 22.37 | 22.05 | 30 | PASS |



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| | | | | | | | | |
|--------|-------|-------|--------|---------|-------|-------|----|------|
| Band66 | 20MHz | QPSK | 132072 | 1RB#99 | 22.9 | 22.58 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132072 | 100RB#0 | 21.4 | 21.08 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 1RB#0 | 22.79 | 22.47 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 1RB#49 | 22.64 | 22.32 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 1RB#99 | 22.75 | 22.43 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | 21.4 | 21.08 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 1RB#0 | 22.72 | 22.4 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 1RB#49 | 22.47 | 22.15 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 1RB#99 | 22.64 | 22.32 | 30 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 100RB#0 | 21.45 | 21.13 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#0 | 21.43 | 21.11 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#49 | 21.77 | 21.45 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 1RB#99 | 22 | 21.68 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | 20.44 | 20.12 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#0 | 21.71 | 21.39 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#49 | 21.46 | 21.14 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1RB#99 | 22.02 | 21.7 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 20.29 | 19.97 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#0 | 21.48 | 21.16 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#49 | 21.45 | 21.13 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1RB#99 | 21.88 | 21.56 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 20.4 | 20.08 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 1RB#0 | 20.51 | 20.19 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 1RB#49 | 20.46 | 20.14 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 1RB#99 | 21.18 | 20.86 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 100RB#0 | 19.63 | 19.31 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 1RB#0 | 20.62 | 20.3 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 1RB#49 | 20.63 | 20.31 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 1RB#99 | 21 | 20.68 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 100RB#0 | 19.56 | 19.24 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 1RB#0 | 20.72 | 20.4 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 1RB#49 | 20.59 | 20.27 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 1RB#99 | 20.83 | 20.51 | 30 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 100RB#0 | 19.49 | 19.17 | 30 | PASS |



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Peak-to-Average Ratio(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band66 | 20MHz | QPSK | 132072 | 100RB#0 | 5.10 | 13 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | 5.04 | 13 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 100RB#0 | 5.01 | 13 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | 5.88 | 13 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 5.94 | 13 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 5.94 | 13 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 100RB#0 | 6.35 | 13 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 100RB#0 | 6.29 | 13 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 100RB#0 | 6.26 | 13 | PASS |

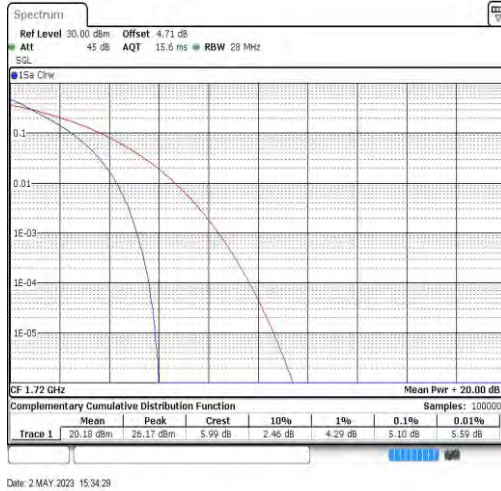


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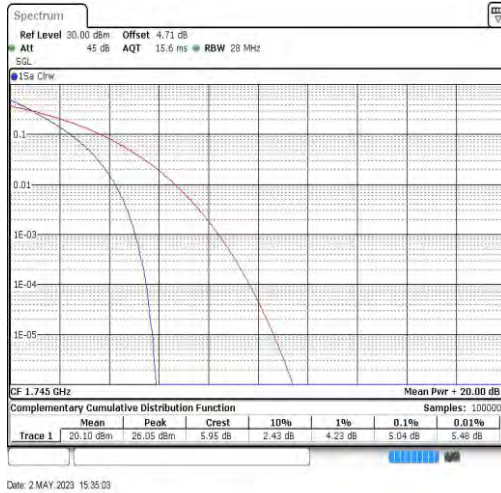
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Test Graphs



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



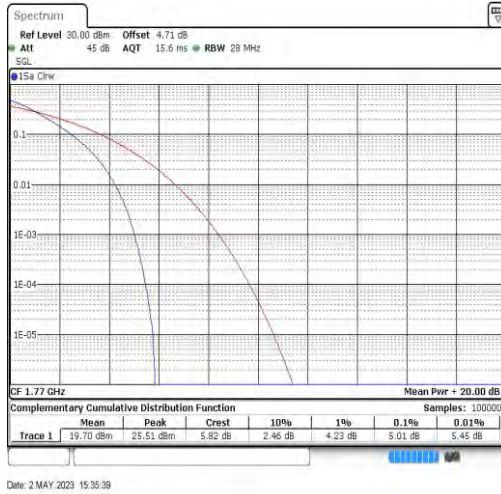
Band66-20MHz-QPSK-132322-100RB#0



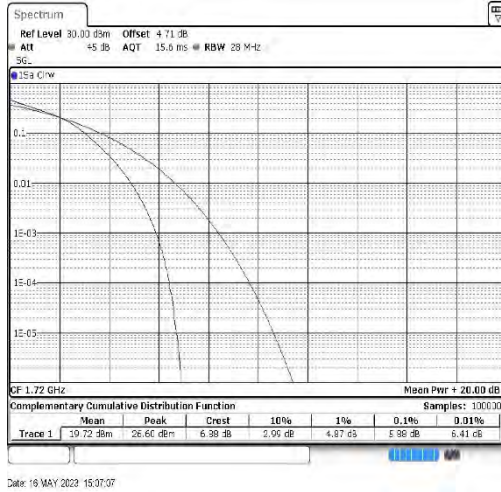
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Band66-20MHz-QPSK-132572-100RB#0



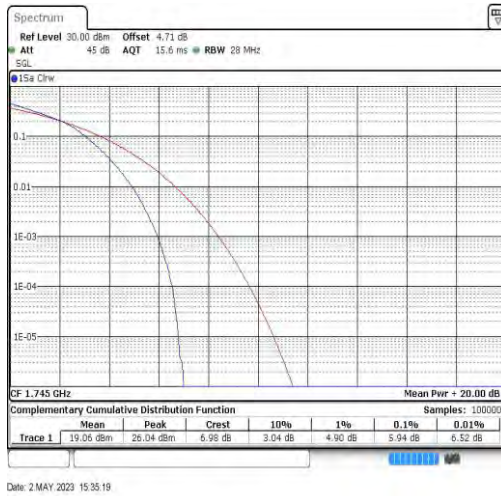
Band66-20MHz-16QAM-132072-100RB#0



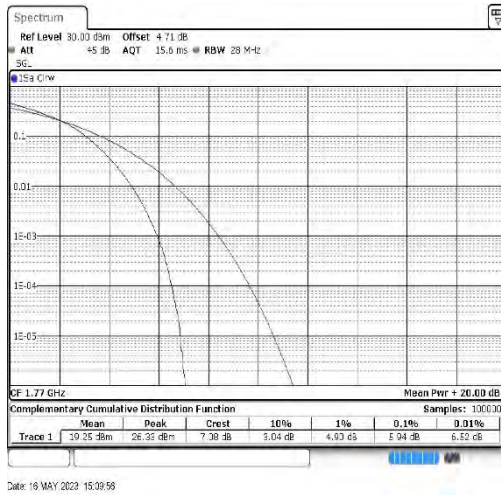
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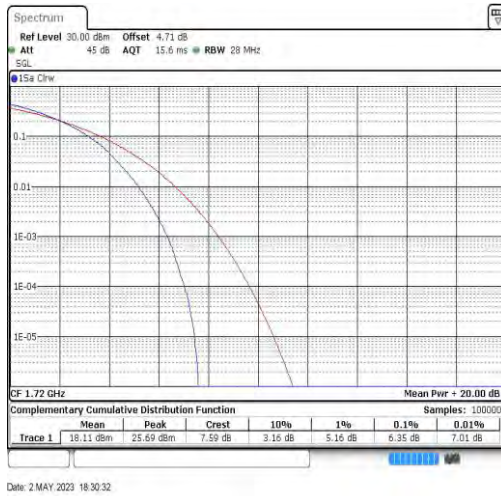


Band66-20MHz-16QAM-132322-100RB#0

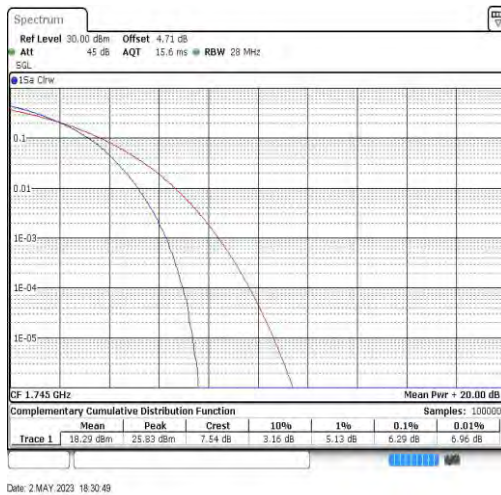


Band66-20MHz-16QAM-132572-100RB#0





Band66-20MHz-64QAM-132072-100RB#0



Band66-20MHz-64QAM-132322-100RB#0



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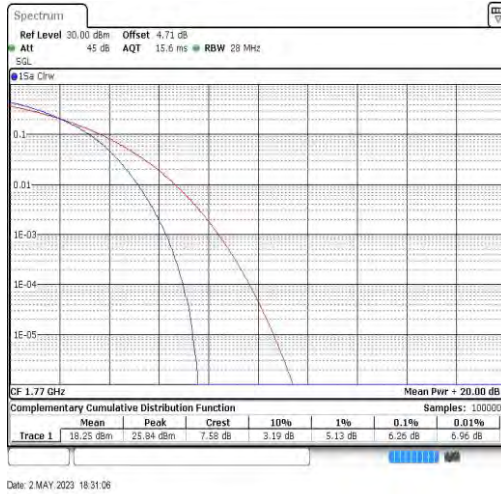
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Band66-20MHz-64QAM-132572-100RB#0



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Modulation Characteristics

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|--------|-----------|------------|---------|------------------|--------|---------|
| Band66 | 20MHz | QPSK | 132272 | 100RB#0 | PASS | PASS |
| Band66 | 20MHz | 16QAM | 132272 | 100RB#0 | PASS | PASS |
| Band66 | 20MHz | 64QAM | 132272 | 100RB#0 | PASS | PASS |



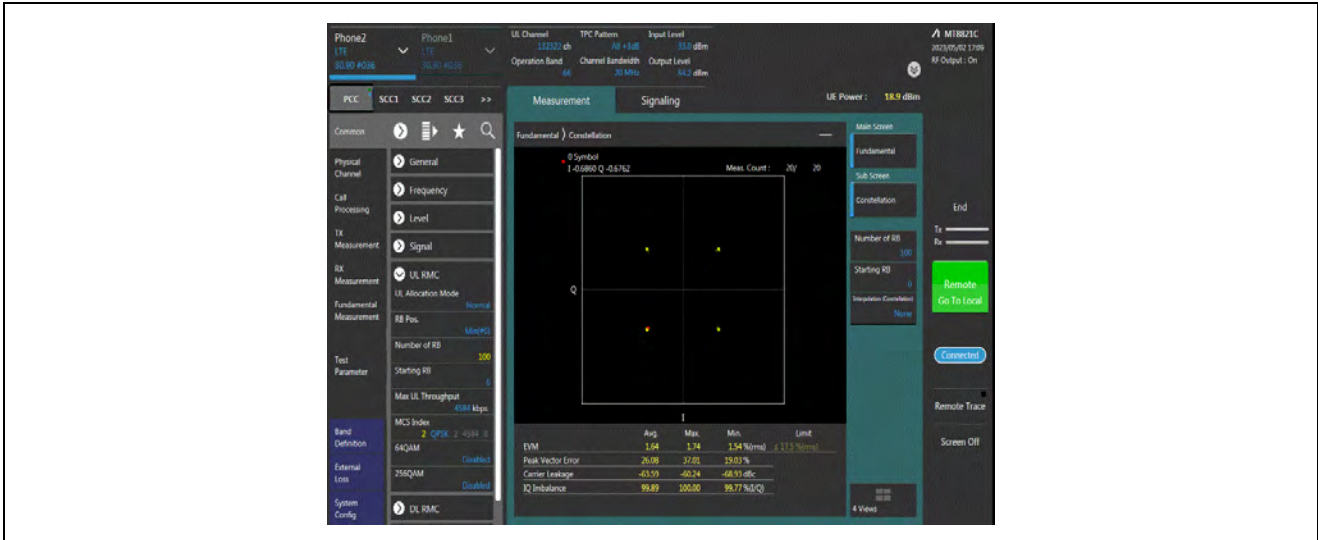
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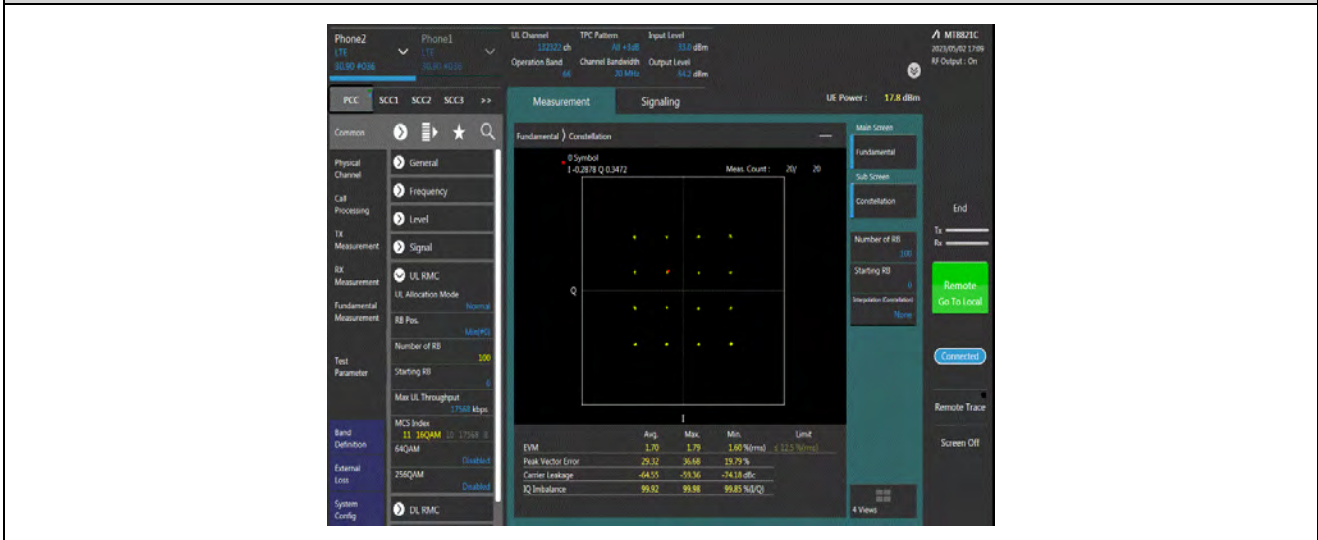
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Test Graphs

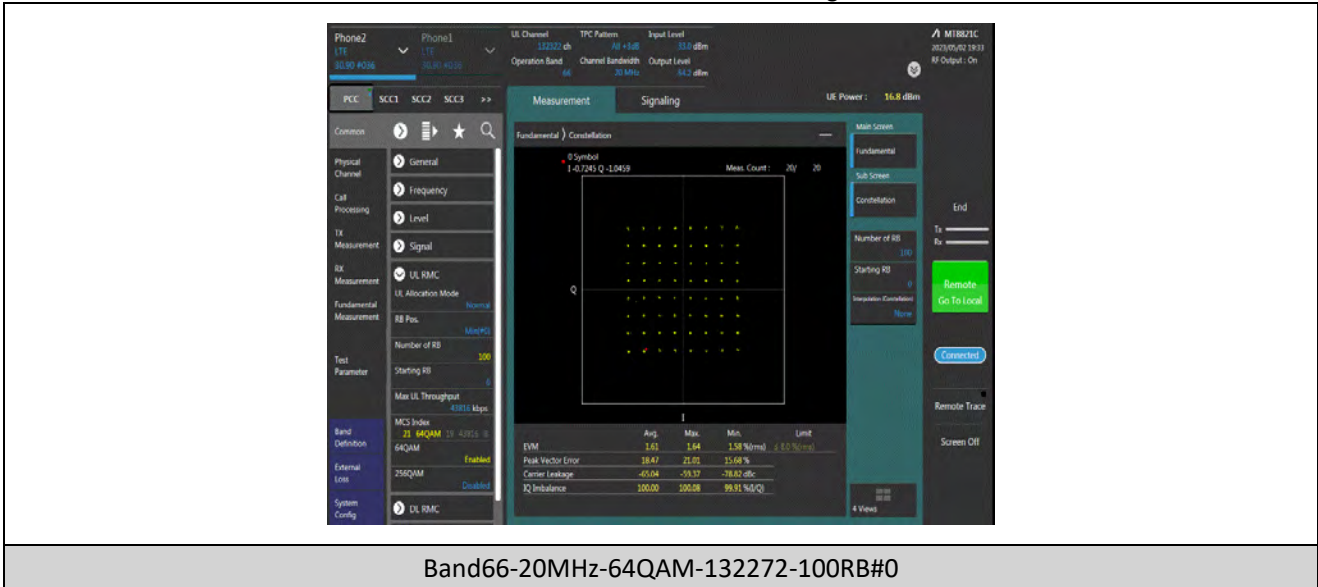


Band66-20MHz-QPSK-132272-100RB#0



Band66-20MHz-16QAM-132272-100RB#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 |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band66 | 1.4MHz | QPSK | 131979 | 6RB#0 | 1.088 | 1.28 | PASS |
| Band66 | 1.4MHz | QPSK | 132322 | 6RB#0 | 1.091 | 1.28 | PASS |
| Band66 | 1.4MHz | QPSK | 132665 | 6RB#0 | 1.091 | 1.28 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 6RB#0 | 1.097 | 1.29 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 6RB#0 | 1.1 | 1.30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 6RB#0 | 1.097 | 1.29 | PASS |
| Band66 | 1.4MHz | 64QAM | 131979 | 6RB#0 | 1.091 | 1.30 | PASS |
| Band66 | 1.4MHz | 64QAM | 132322 | 6RB#0 | 1.097 | 1.29 | PASS |
| Band66 | 1.4MHz | 64QAM | 132665 | 6RB#0 | 1.097 | 1.30 | PASS |
| Band66 | 3MHz | QPSK | 131987 | 15RB#0 | 2.691 | 2.99 | PASS |
| Band66 | 3MHz | QPSK | 132322 | 15RB#0 | 2.697 | 2.96 | PASS |
| Band66 | 3MHz | QPSK | 132657 | 15RB#0 | 2.691 | 2.97 | PASS |
| Band66 | 3MHz | 16QAM | 131987 | 15RB#0 | 2.691 | 2.99 | PASS |
| Band66 | 3MHz | 16QAM | 132322 | 15RB#0 | 2.685 | 2.98 | PASS |
| Band66 | 3MHz | 16QAM | 132657 | 15RB#0 | 2.691 | 2.98 | PASS |
| Band66 | 3MHz | 64QAM | 131987 | 15RB#0 | 2.685 | 2.97 | PASS |
| Band66 | 3MHz | 64QAM | 132322 | 15RB#0 | 2.685 | 2.95 | PASS |
| Band66 | 3MHz | 64QAM | 132657 | 15RB#0 | 2.685 | 2.92 | PASS |
| Band66 | 5MHz | QPSK | 131997 | 25RB#0 | 4.466 | 4.90 | PASS |
| Band66 | 5MHz | QPSK | 132322 | 25RB#0 | 4.476 | 4.90 | PASS |
| Band66 | 5MHz | QPSK | 132647 | 25RB#0 | 4.476 | 4.91 | PASS |
| Band66 | 5MHz | 16QAM | 131997 | 25RB#0 | 4.466 | 4.94 | PASS |
| Band66 | 5MHz | 16QAM | 132322 | 25RB#0 | 4.466 | 4.95 | PASS |
| Band66 | 5MHz | 16QAM | 132647 | 25RB#0 | 4.466 | 4.95 | PASS |
| Band66 | 5MHz | 64QAM | 131997 | 25RB#0 | 4.476 | 4.89 | PASS |
| Band66 | 5MHz | 64QAM | 132322 | 25RB#0 | 4.476 | 4.92 | PASS |
| Band66 | 5MHz | 64QAM | 132647 | 25RB#0 | 4.486 | 4.93 | PASS |
| Band66 | 10MHz | QPSK | 132022 | 50RB#0 | 8.931 | 9.64 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 50RB#0 | 8.951 | 9.66 | PASS |



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Report No.: ZEWM2303000343RG02

Rev.: 01

Page: 18 of 72

| | | | | | | | |
|--------|-------|-------|--------|---------|--------|-------|------|
| Band66 | 10MHz | QPSK | 132622 | 50RB#0 | 8.911 | 9.72 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 50RB#0 | 8.911 | 9.68 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 50RB#0 | 8.911 | 9.74 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 50RB#0 | 8.911 | 9.68 | PASS |
| Band66 | 10MHz | 64QAM | 132022 | 50RB#0 | 8.911 | 9.62 | PASS |
| Band66 | 10MHz | 64QAM | 132322 | 50RB#0 | 8.931 | 9.72 | PASS |
| Band66 | 10MHz | 64QAM | 132622 | 50RB#0 | 8.931 | 9.66 | PASS |
| Band66 | 15MHz | QPSK | 132047 | 75RB#0 | 13.457 | 14.67 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0 | 13.457 | 14.79 | PASS |
| Band66 | 15MHz | QPSK | 132597 | 75RB#0 | 13.546 | 14.46 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 75RB#0 | 13.457 | 14.79 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 75RB#0 | 13.457 | 14.85 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 75RB#0 | 13.457 | 14.76 | PASS |
| Band66 | 15MHz | 64QAM | 132047 | 75RB#0 | 13.427 | 14.61 | PASS |
| Band66 | 15MHz | 64QAM | 132322 | 75RB#0 | 13.427 | 14.70 | PASS |
| Band66 | 15MHz | 64QAM | 132597 | 75RB#0 | 13.397 | 14.73 | PASS |
| Band66 | 20MHz | QPSK | 132072 | 100RB#0 | 17.942 | 19.36 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | 17.902 | 19.48 | PASS |
| Band66 | 20MHz | QPSK | 132572 | 100RB#0 | 17.902 | 19.48 | PASS |
| Band66 | 20MHz | 16QAM | 132072 | 100RB#0 | 17.902 | 19.48 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 100RB#0 | 17.862 | 19.48 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 100RB#0 | 17.862 | 19.40 | PASS |
| Band66 | 20MHz | 64QAM | 132072 | 100RB#0 | 17.862 | 19.40 | PASS |
| Band66 | 20MHz | 64QAM | 132322 | 100RB#0 | 17.902 | 19.48 | PASS |
| Band66 | 20MHz | 64QAM | 132572 | 100RB#0 | 17.862 | 19.44 | PASS |

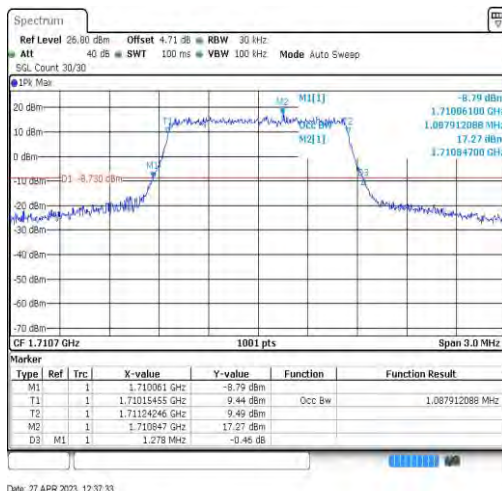


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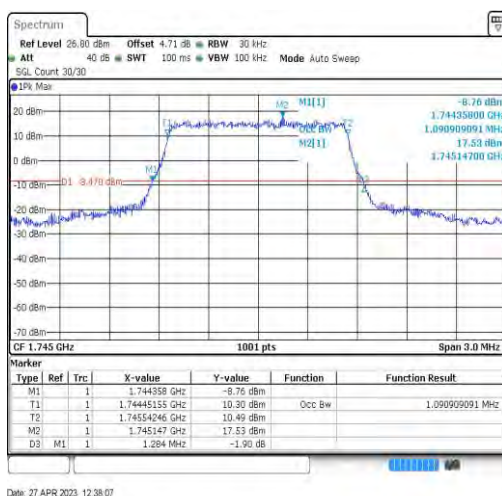
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Test Graphs



Band66-1.4MHz-QPSK-131979-6RB#0-1.088



Band66-1.4MHz-QPSK-132322-6RB#0-1.091



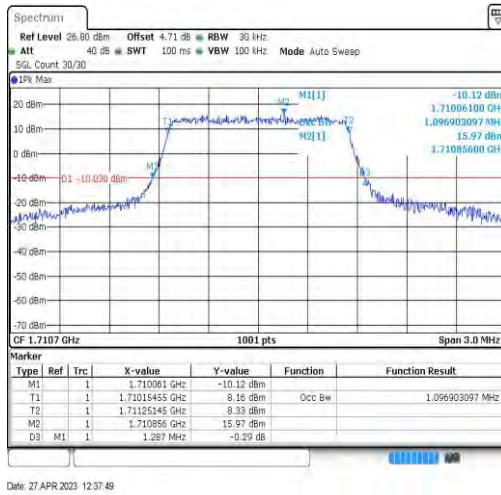
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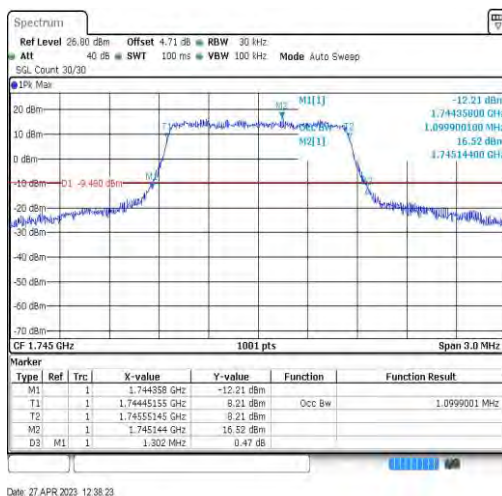


Band66-1.4MHz-QPSK-132665-6RB#0-1.091



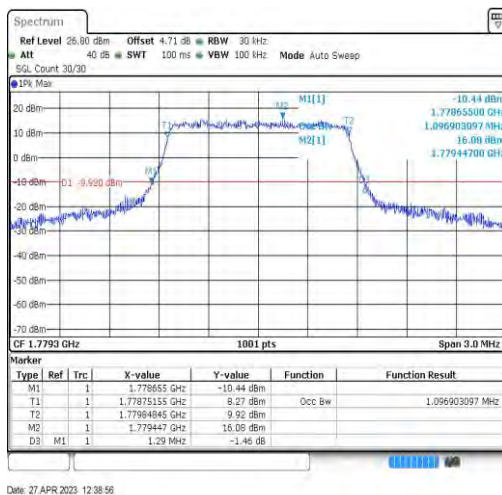
Band66-1.4MHz-16QAM-131979-6RB#0-1.097





Date: 27 APR 2023 12:38:23

Band66-1.4MHz-16QAM-132322-6RB#0-1.1



Date: 27 APR 2023 12:38:56

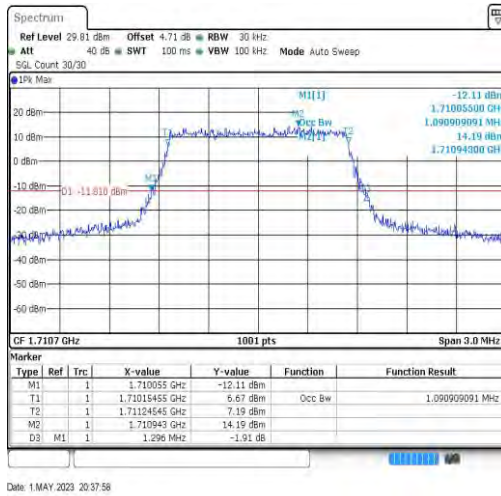
Band66-1.4MHz-16QAM-132665-6RB#0-1.097



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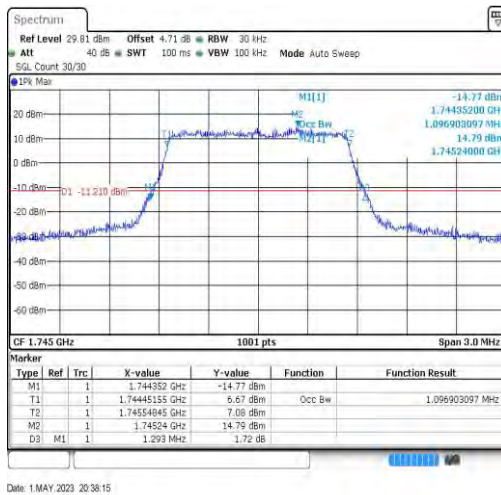
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Date: 1.MAY.2023 20:37:58

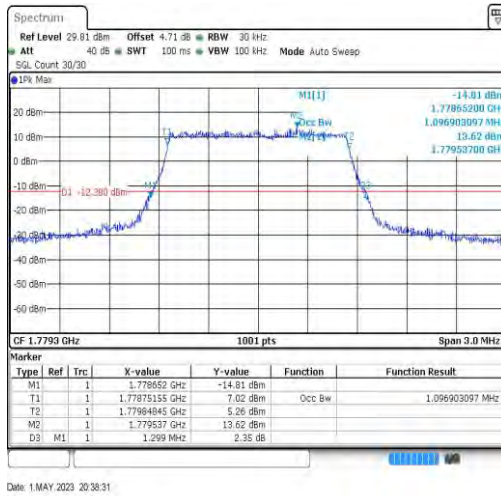
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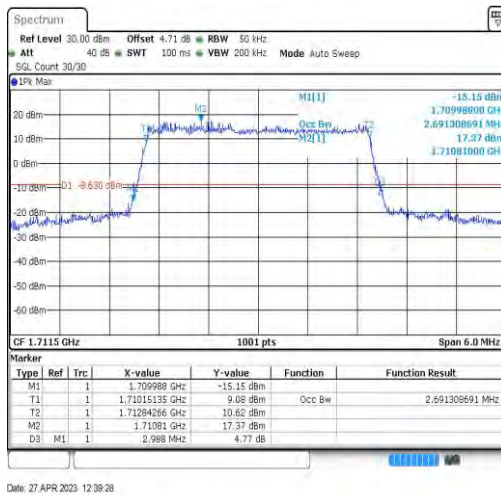
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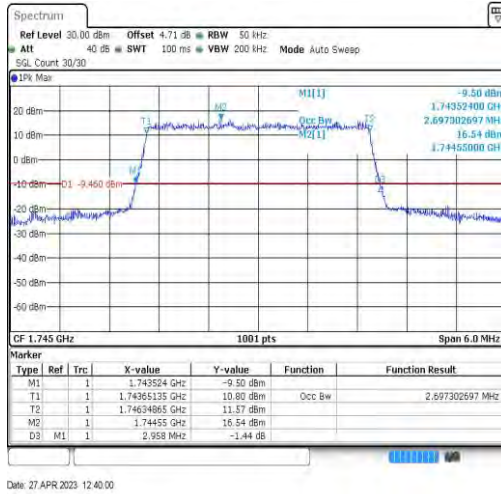
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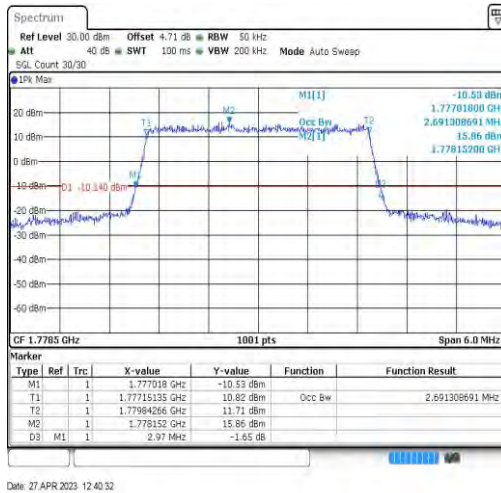
Date: 27 APR 2023 12:39:28

Band66-3MHz-QPSK-131987-15RB#0-2.691



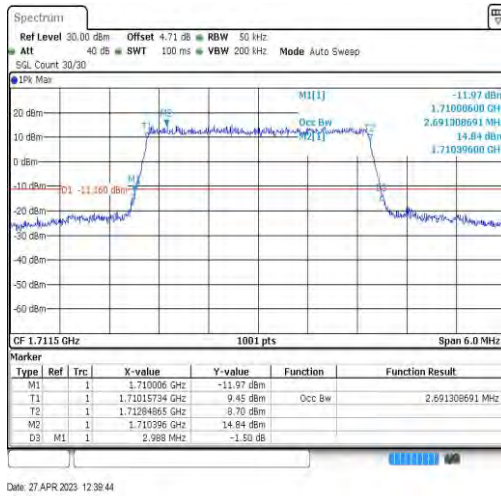


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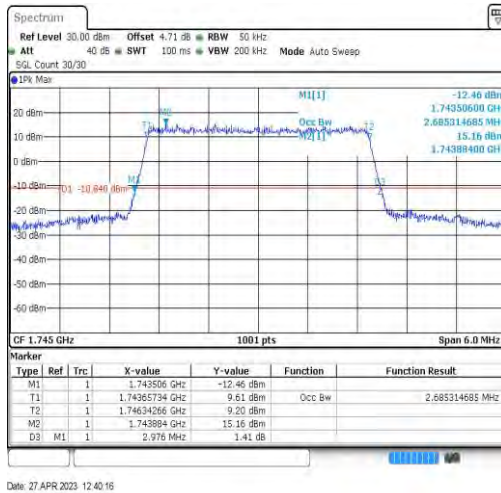
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Date: 27 APR 2023 12:38:44

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



Date: 27 APR 2023 12:40:16

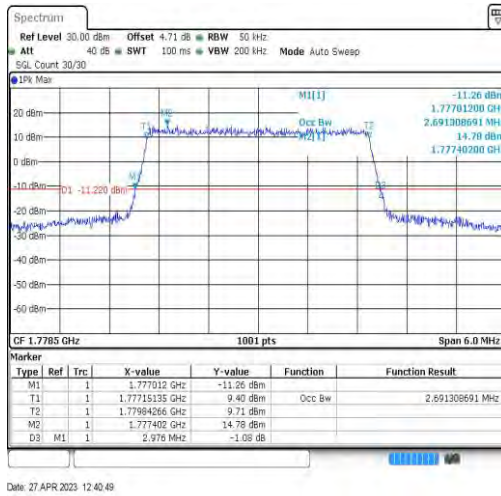
Band66-3MHz-16QAM-132322-15RB#0-2.685



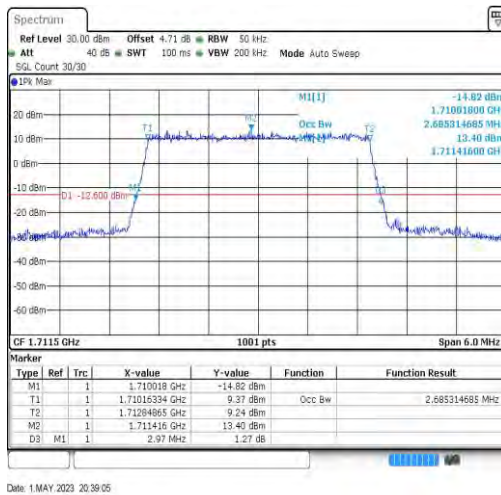
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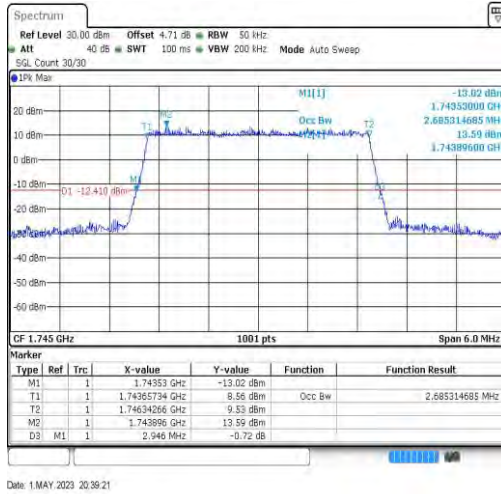


Band66-3MHz-16QAM-132657-15RB#0-2.691



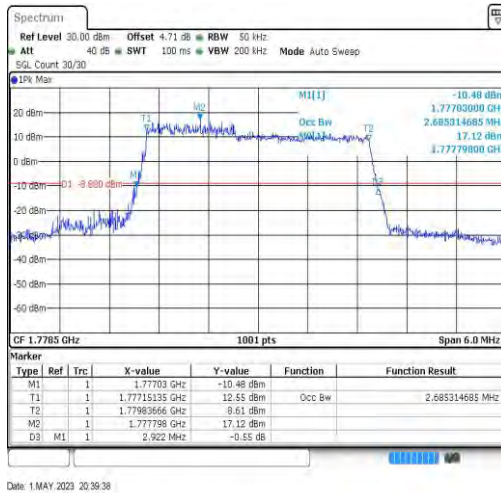
Band66-3MHz-64QAM-131987-15RB#0-2.685





Date: 1.MAY.2023 20:38:21

Band66-3MHz-64QAM-132322-15RB#0-2.685



Date: 1.MAY.2023 20:38:38

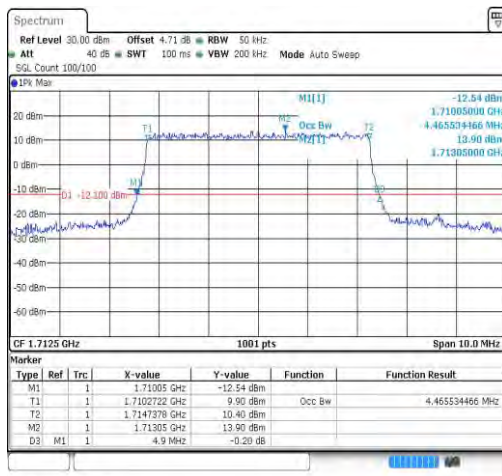
Band66-3MHz-64QAM-132657-15RB#0-2.685



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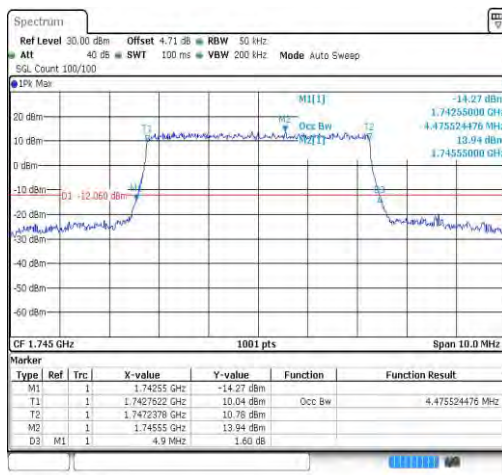
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Date: 27 APR 2023 12:41:32

Band66-5MHz-QPSK-131997-25RB#0-4.466



Date: 27 APR 2023 12:42:18

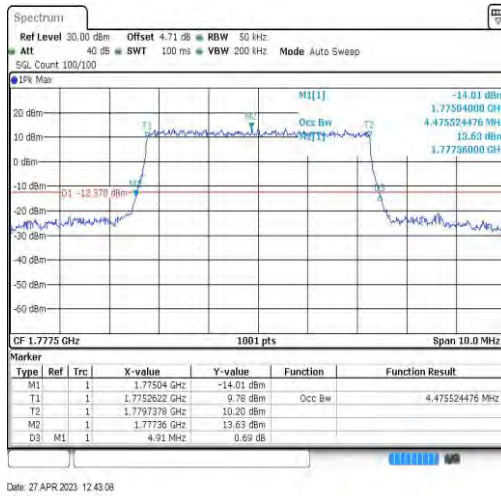
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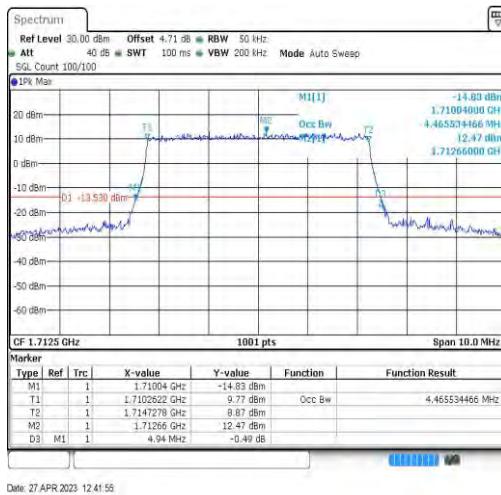
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Band66-5MHz-QPSK-132647-25RB#0-4.476



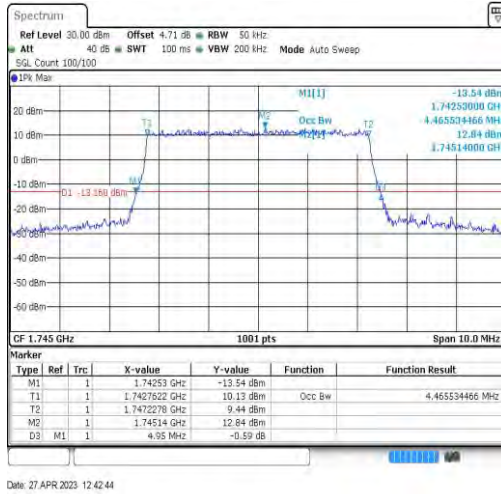
Band66-5MHz-16QAM-131997-25RB#0-4.466



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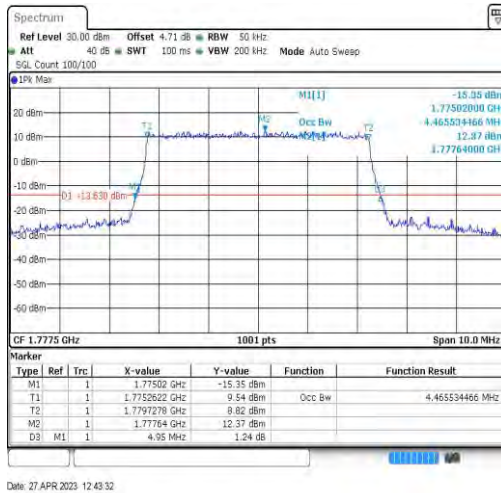
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Date: 27 APR 2023 12:42:44

Band66-5MHz-16QAM-132322-25RB#0-4.466



Date: 27 APR 2023 12:43:32

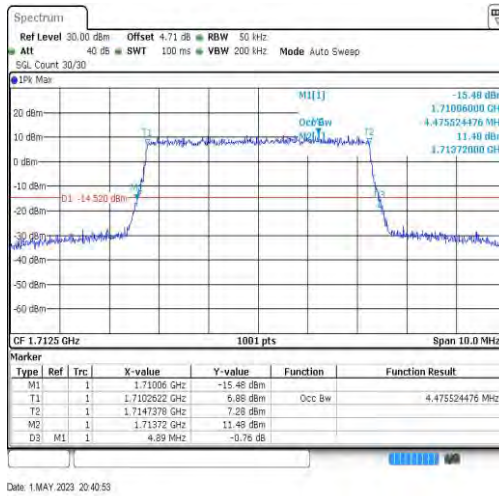
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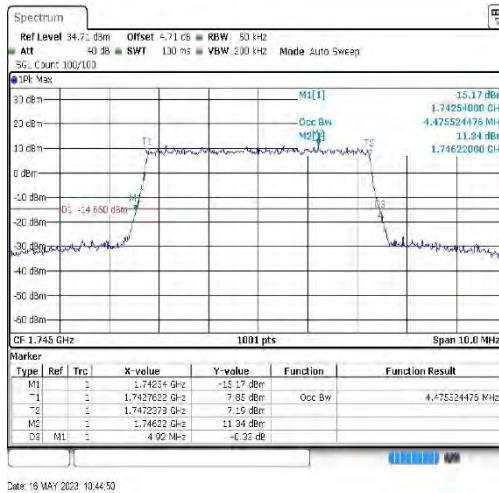
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Date: 1.MAY 2023 20:40:53

Band66-5MHz-64QAM-131997-25RB#0-4.476



Date: 16 MAY 2023 10:44:50

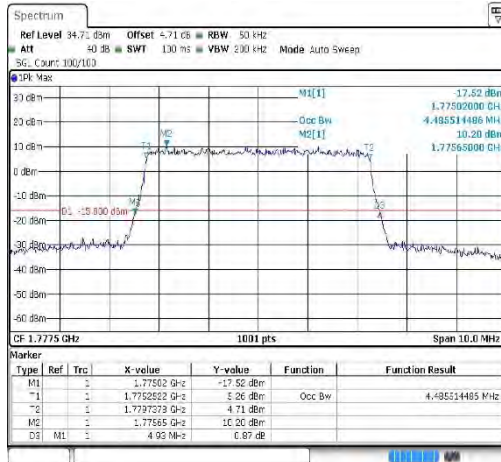
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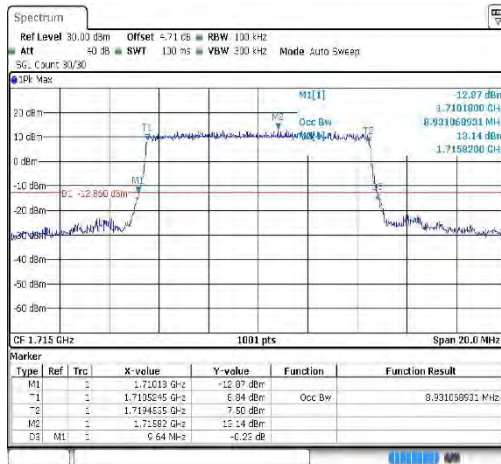
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Date: 16 MAY 2023 10:45:14

Band66-5MHz-64QAM-132647-25RB#0-4.456



Date: 16 MAY 2023 10:45:48

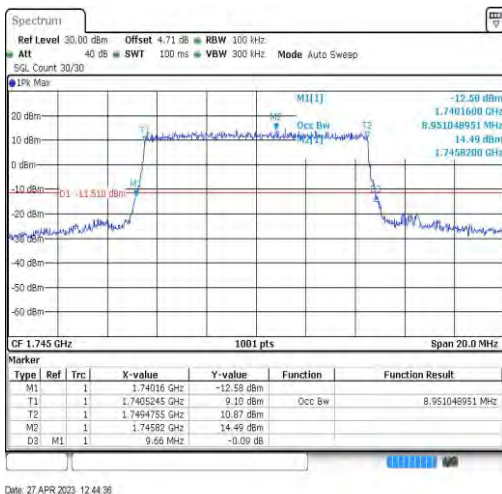
Band66-10MHz-QPSK-132022-50RB#0-8.971



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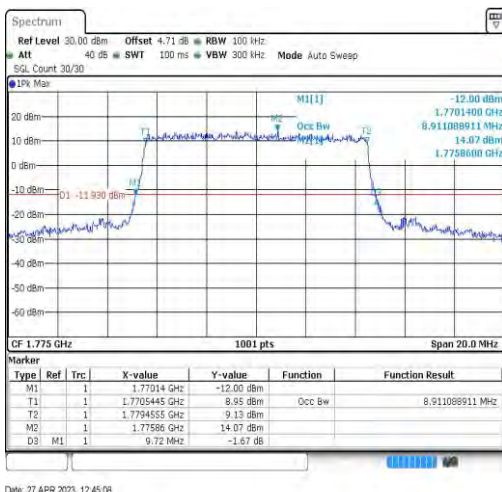
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Date: 27 APR 2023 12:44:36

Band66-10MHz-QPSK-132322-50RB#0-8.951



Date: 27 APR 2023 12:45:08

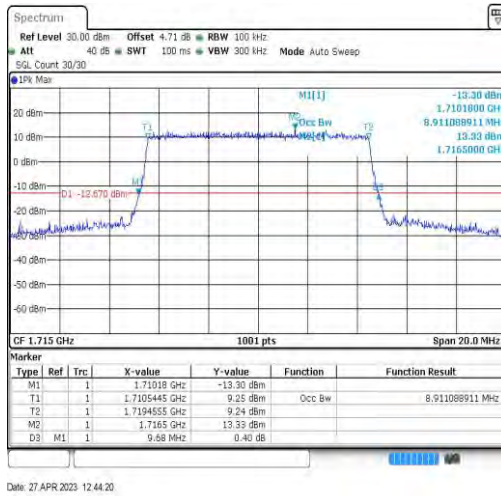
Band66-10MHz-QPSK-132622-50RB#0-8.911



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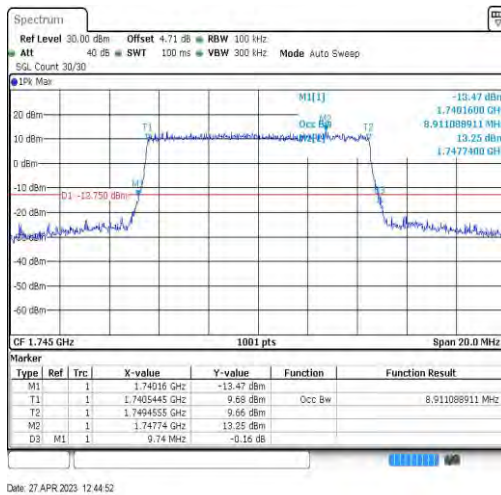
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Date: 27 APR 2023 12:44:20

Band66-10MHz-16QAM-132022-50RB#0-8.911



Date: 27 APR 2023 12:44:52

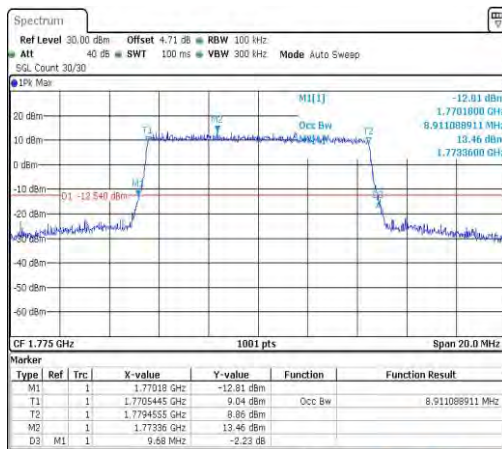
Band66-10MHz-16QAM-132322-50RB#0-8.911



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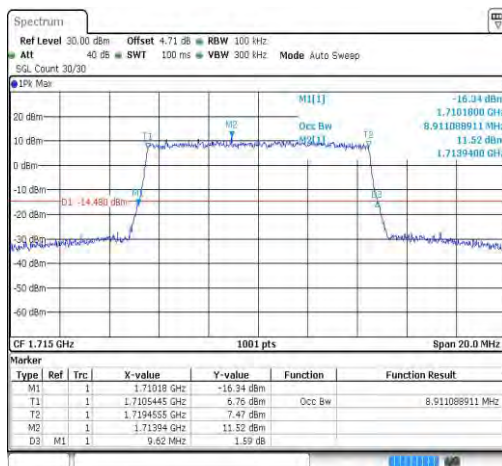
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Date: 27 APR 2023 12:45:24

Band66-10MHz-16QAM-132622-50RB#0-8.911



Date: 1 MAY 2023 20:42:15

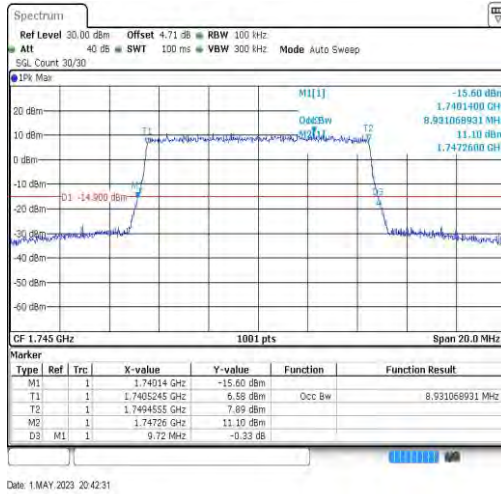
Band66-10MHz-64QAM-132022-50RB#0-8.911



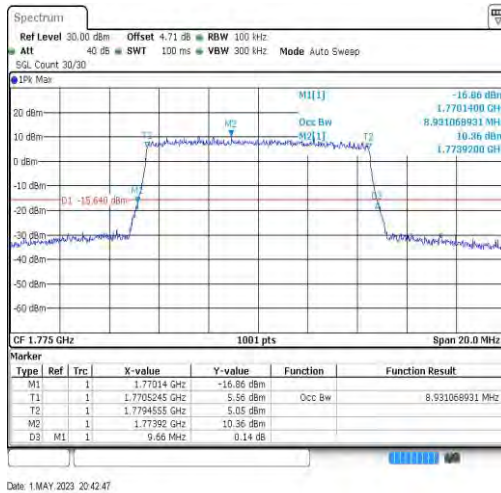
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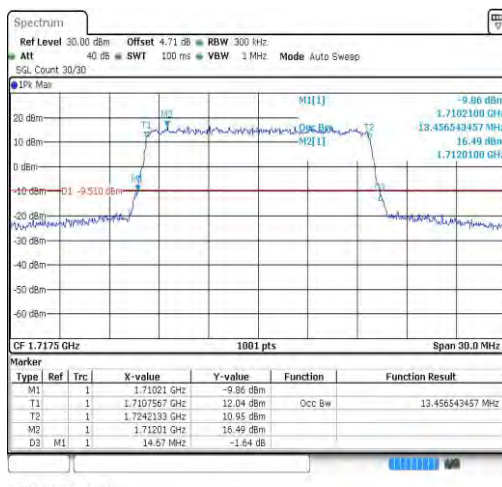


Band66-10MHz-64QAM-132322-50RB#0-8.931



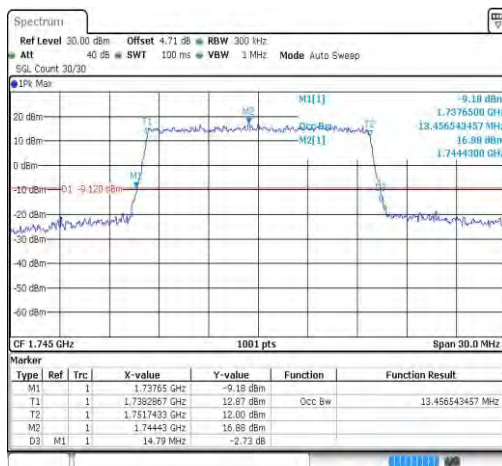
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Date: 27 APR 2023 12:45:57

Band66-15MHz-QPSK-132047-75RB#0-13.457



Date: 27 APR 2023 12:46:32

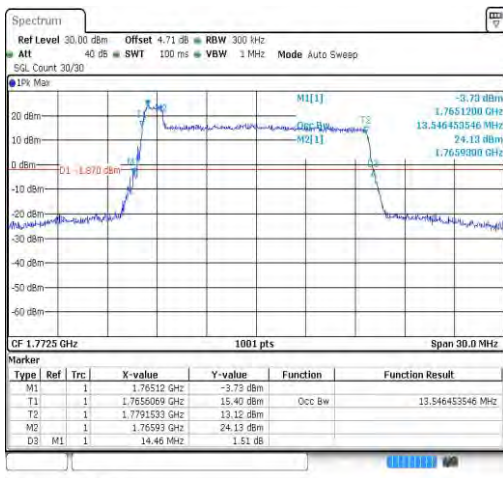
Band66-15MHz-QPSK-132322-75RB#0-13.457



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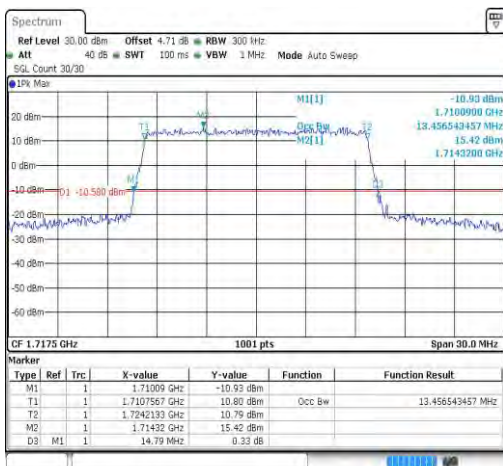
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Date: 27 APR 2023 12:47:08

Band66-15MHz-QPSK-132597-75RB#0-13.546



Date: 27 APR 2023 12:46:13

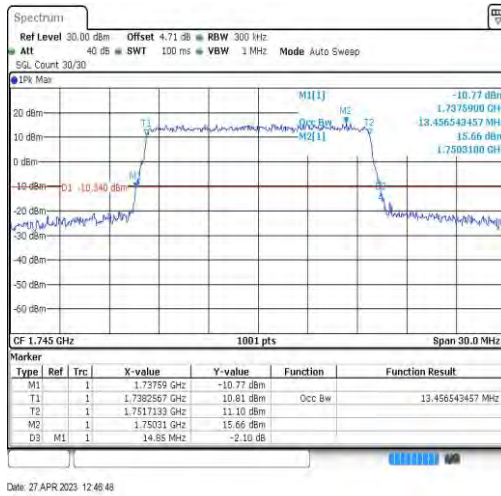
Band66-15MHz-16QAM-132047-75RB#0-13.457



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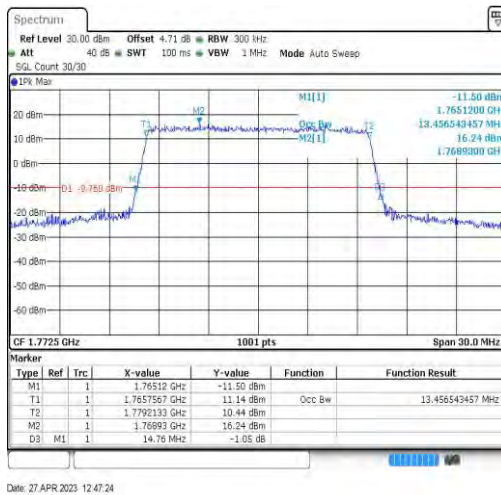
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Date: 27 APR 2023 12:46:48

Band66-15MHz-16QAM-132322-75RB#0-13.457



Date: 27 APR 2023 12:47:24

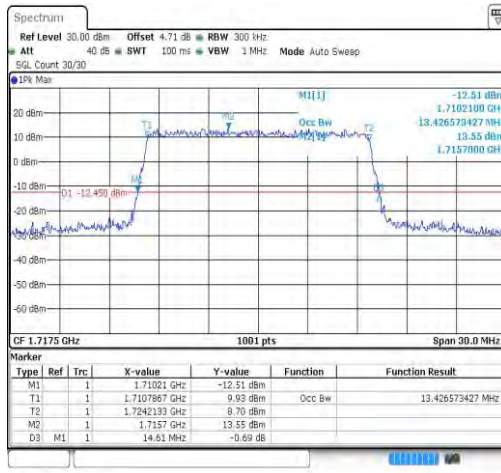
Band66-15MHz-16QAM-132597-75RB#0-13.457



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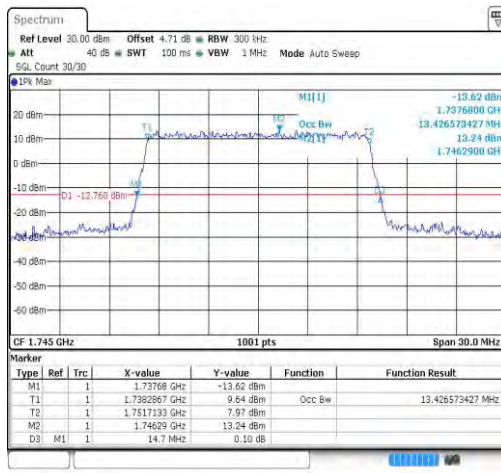
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Date: 1.MAY.2023 20:43:20

Band66-15MHz-64QAM-132047-75RB#0-13.427



Date: 1.MAY.2023 20:43:37

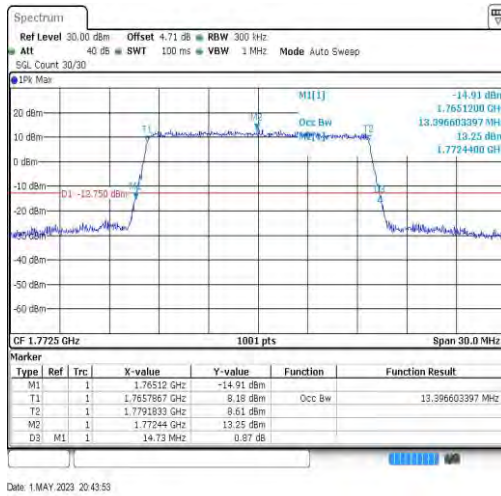
Band66-15MHz-64QAM-132322-75RB#0-13.427



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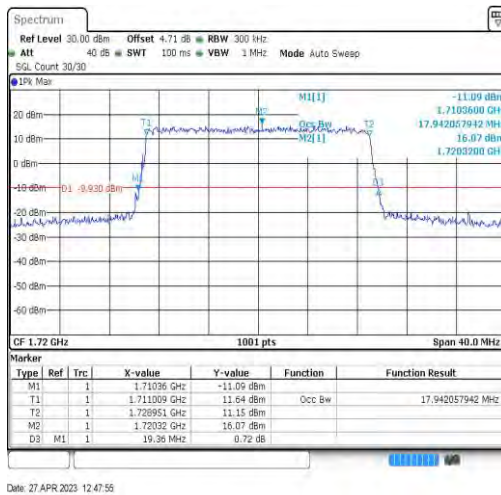
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Date: 1.MAY 2023 20:43:53

Band66-15MHz-64QAM-132597-75RB#0-13.397



Date: 27 APR 2023 12:47:55

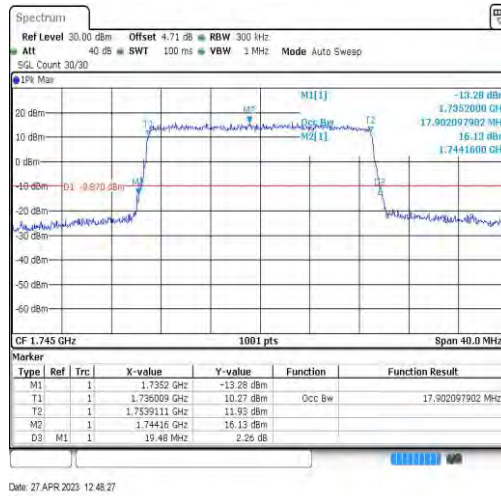
Band66-20MHz-QPSK-132072-100RB#0-17.942



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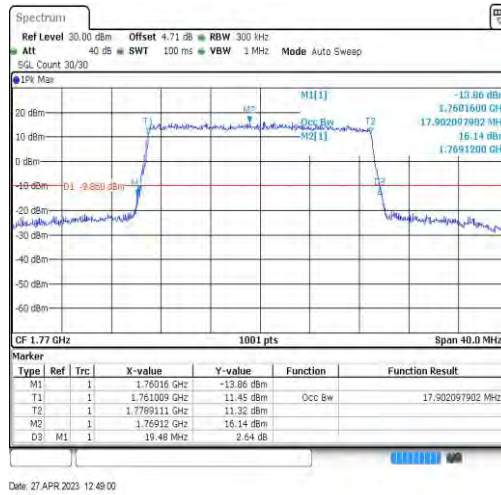
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Date: 27 APR 2023 12:48:27

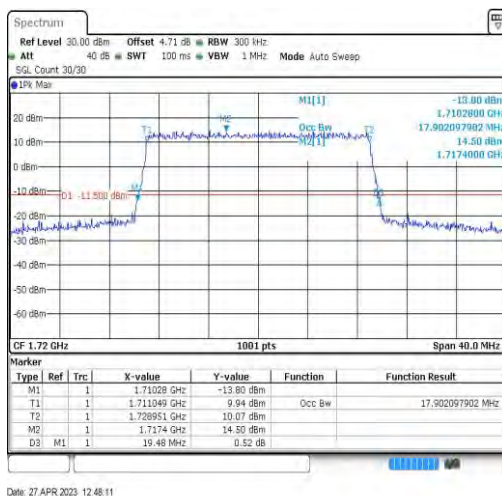
Band66-20MHz-QPSK-132322-100RB#0-17.902



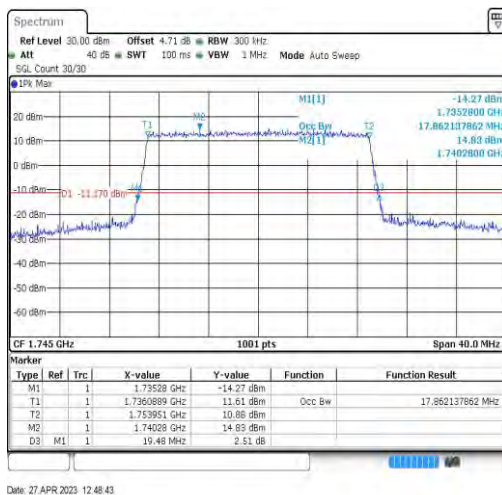
Date: 27 APR 2023 12:48:00

Band66-20MHz-QPSK-132572-100RB#0-17.902





Band66-20MHz-16QAM-132072-100RB#0-17.902



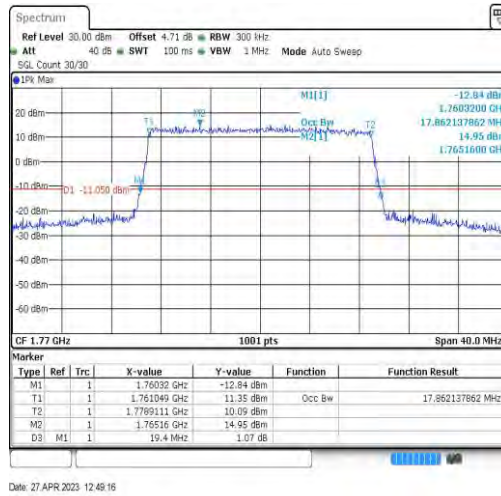
Band66-20MHz-16QAM-132322-100RB#0-17.862



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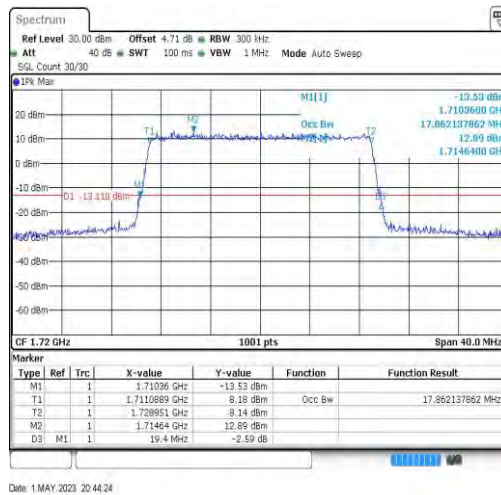
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Date: 27 APR 2023 12:46:16

Band66-20MHz-16QAM-132572-100RB#0-17.862



Date: 1 MAY 2023 20:44:24

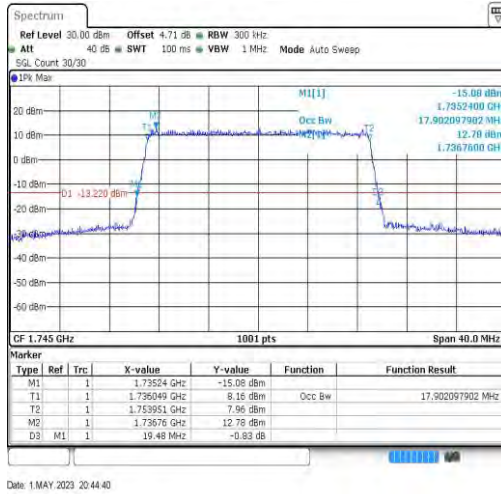
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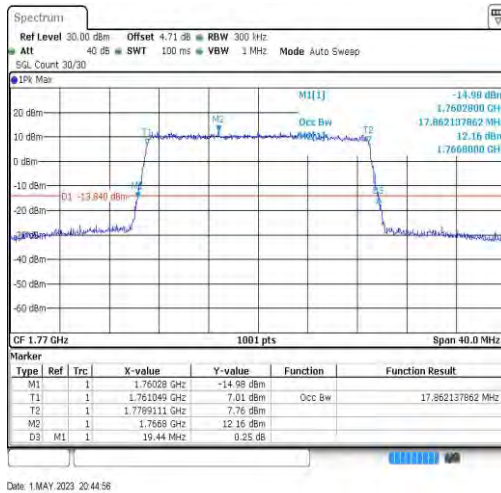
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Band66-20MHz-64QAM-132322-100RB#0-17.902



Band66-20MHz-64QAM-132572-100RB#0-17.862



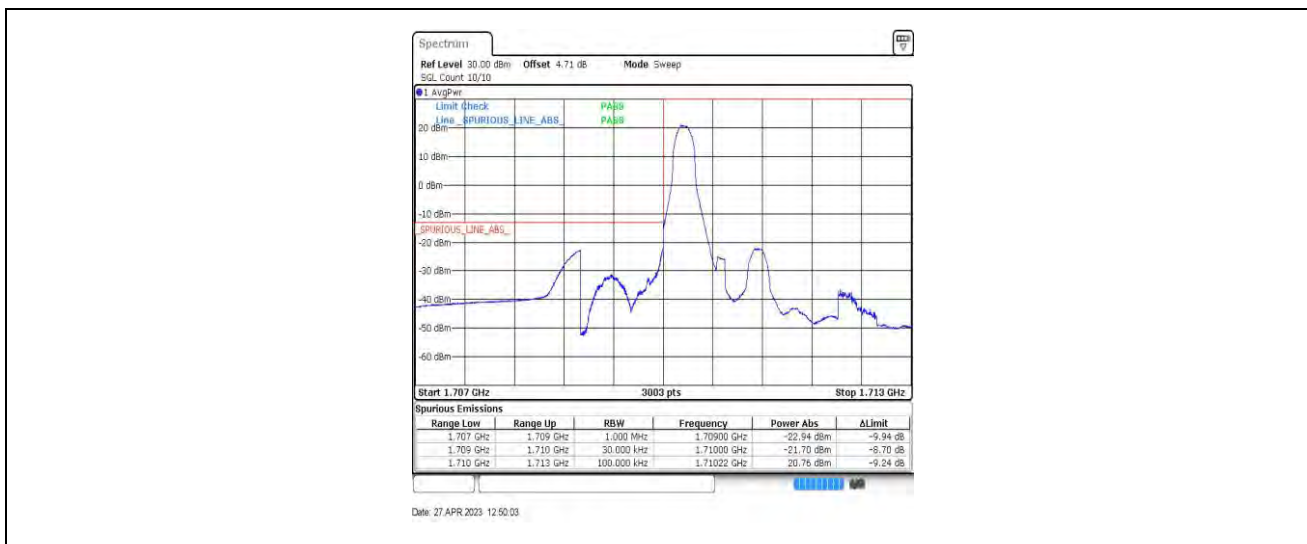
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Band Edge

Test Graphs



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



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



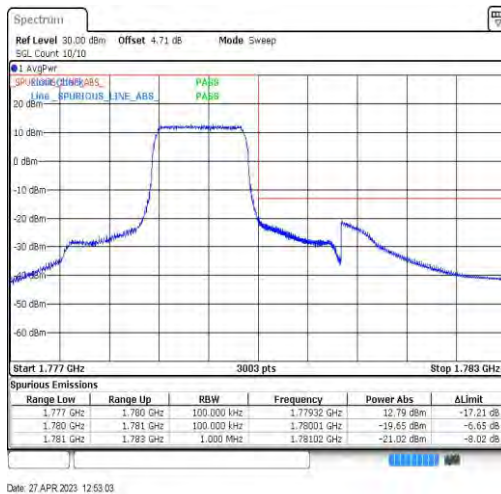
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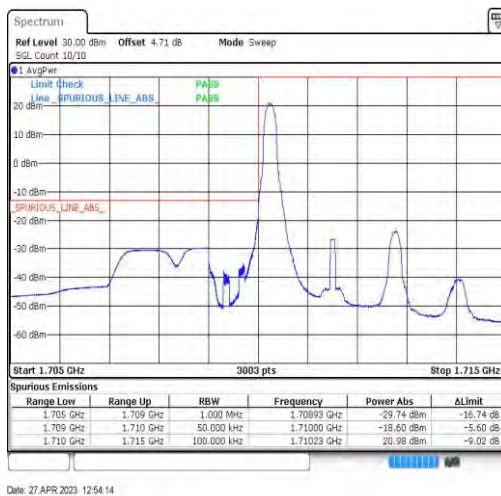
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Band66-1.4MHz-QPSK-132665-1RB#5



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



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



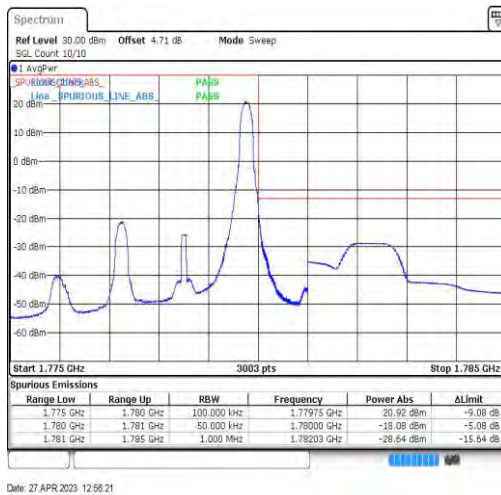
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Band66-3MHz-QPSK-131987-15RB#0



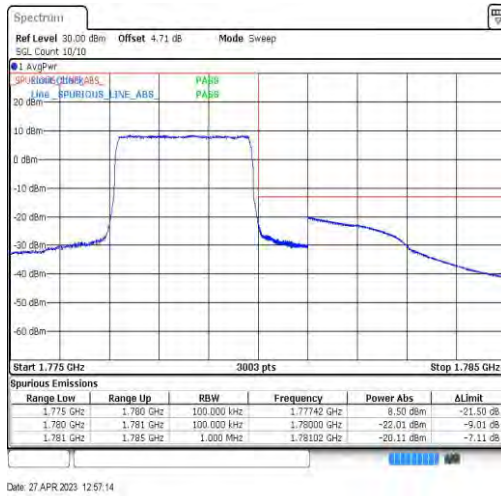
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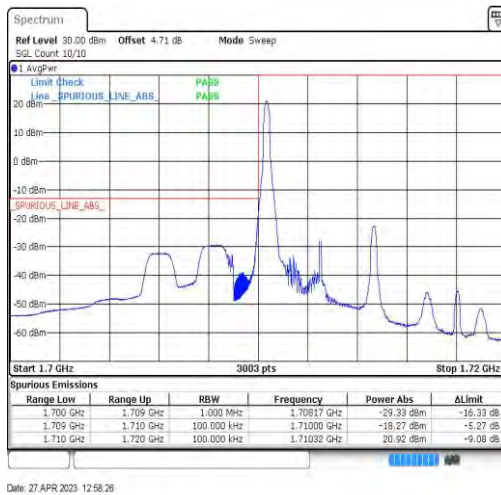
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Band66-3MHz-QPSK-132657-15RB#0

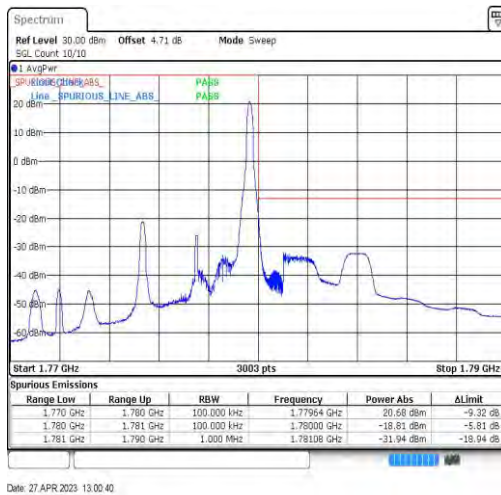


Band66-5MHz-QPSK-131997-1RB#0





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



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



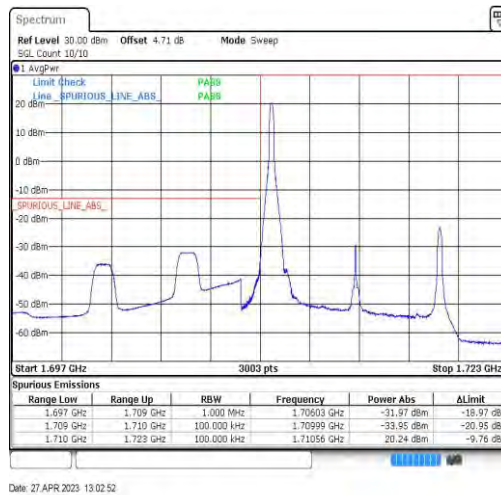
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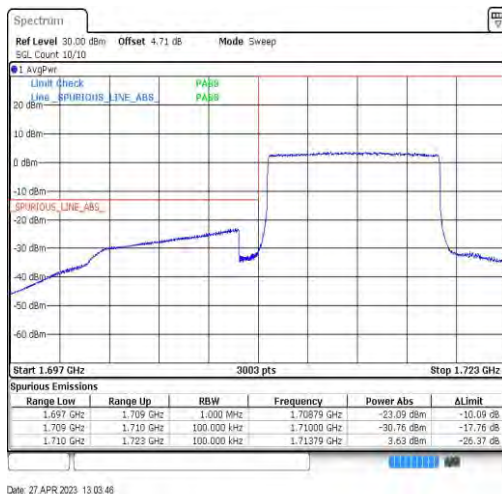


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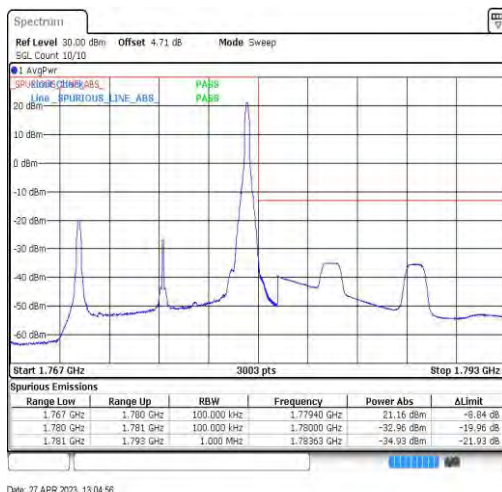
Band66-10MHz-QPSK-132022-1RB#0





Date: 27 APR 2023 13:03:46

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



Date: 27 APR 2023 13:04:56

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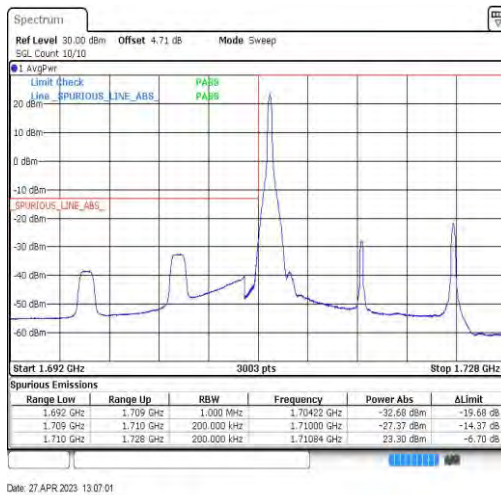
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Band66-10MHz-QPSK-132622-50RB#0



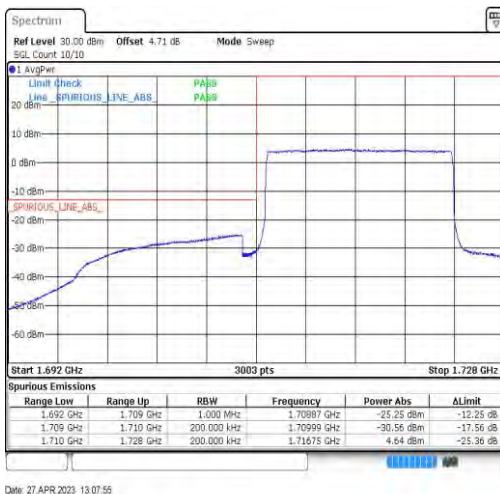
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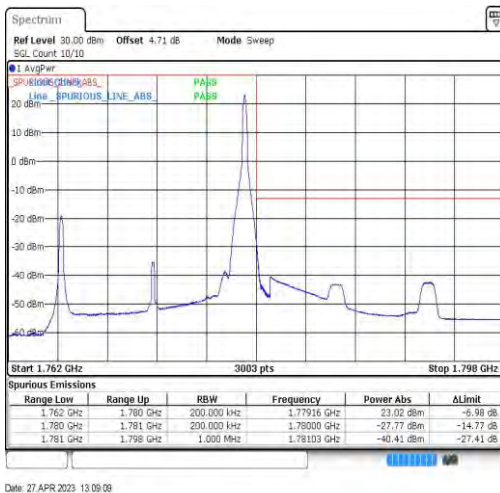
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Band66-15MHz-QPSK-132047-75RB#0



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



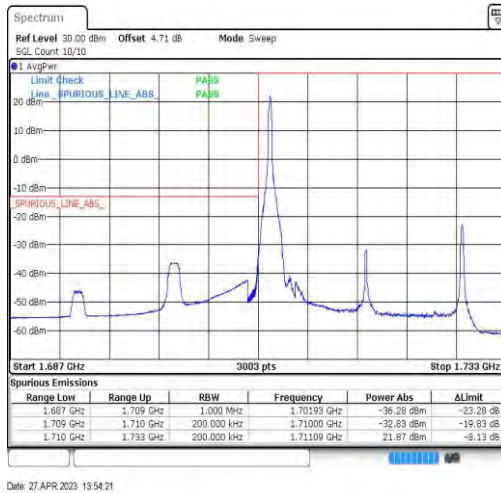
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Band66-15MHz-QPSK-132597-75RB#0



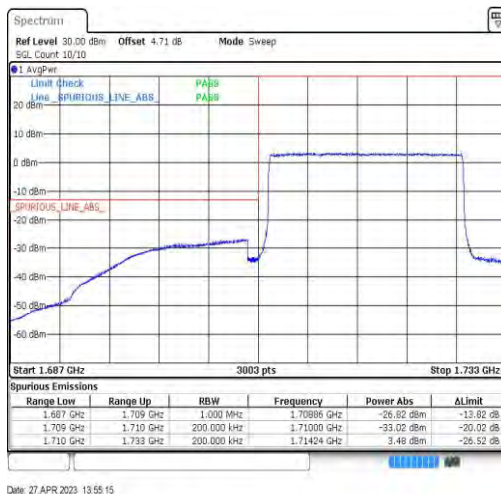
Band66-20MHz-QPSK-132072-1RB#0



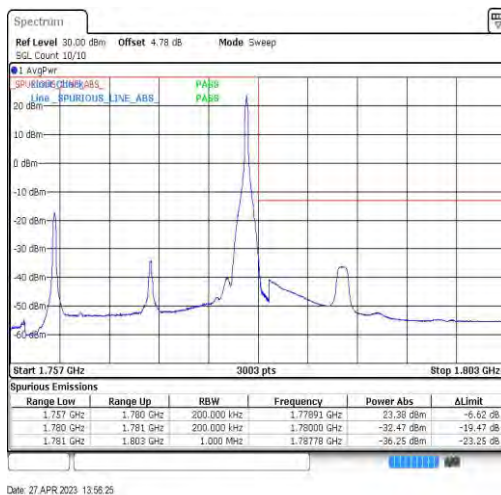
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Band66-20MHz-QPSK-132072-100RB#0



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



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



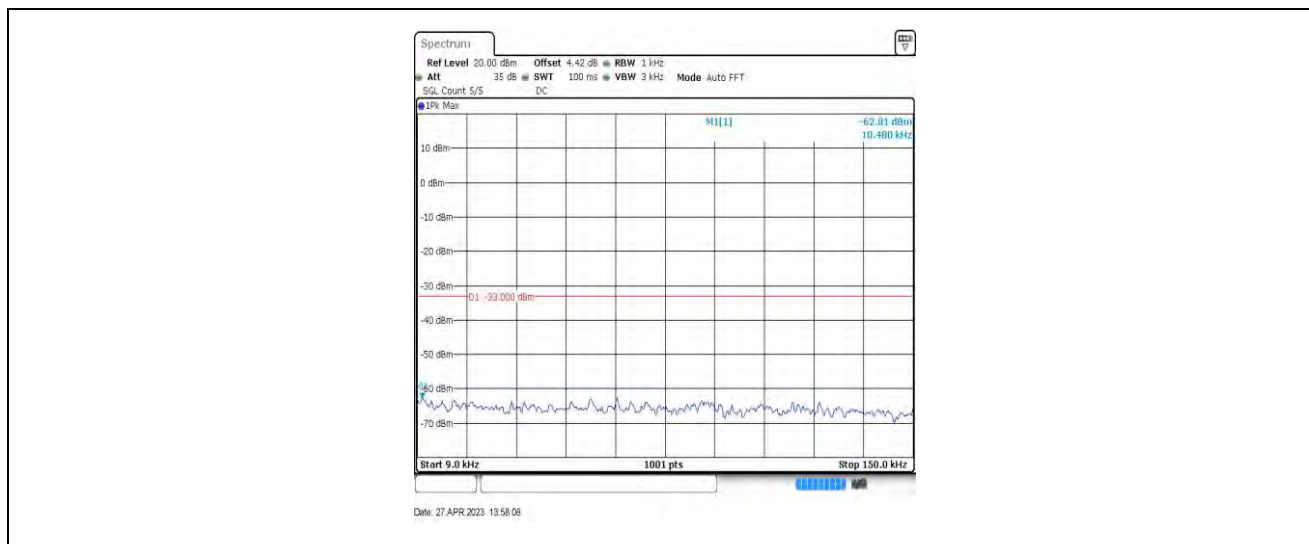
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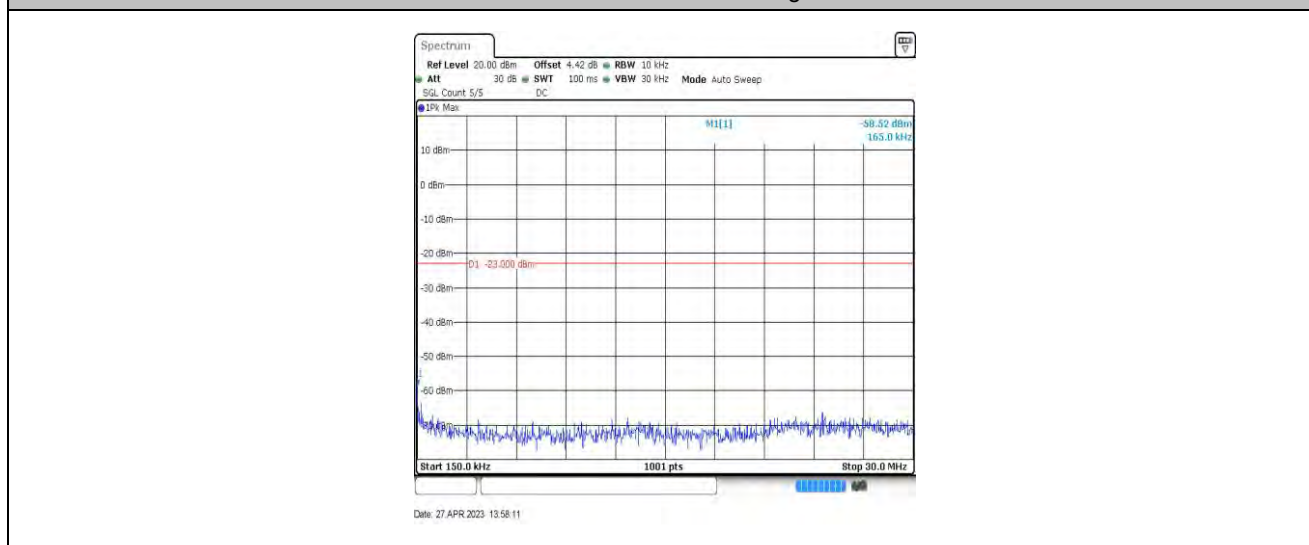
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Conducted Spurious Emission

Test Graphs



Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



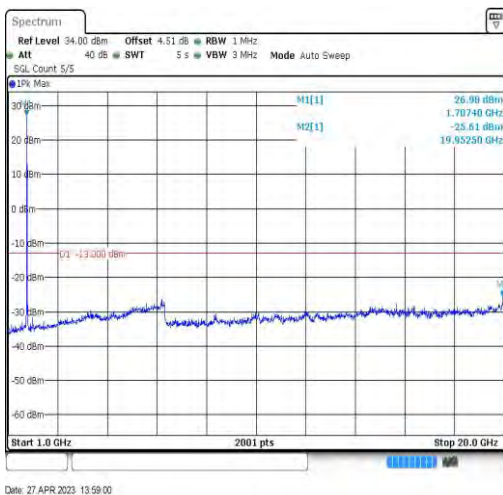
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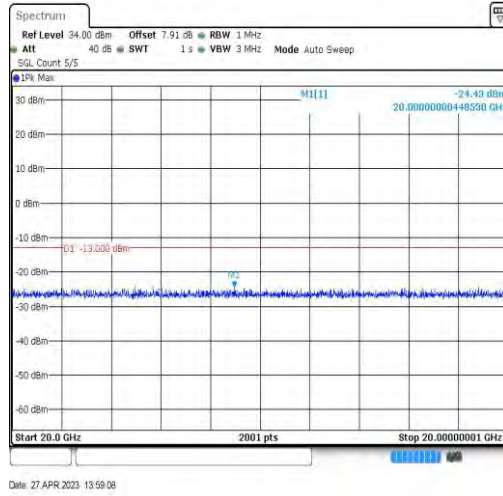
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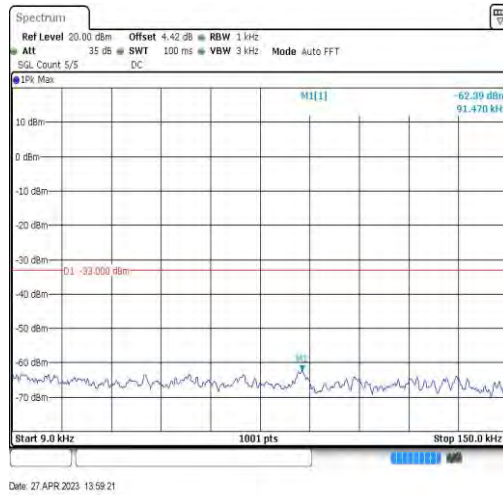
Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~20000MHz



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Band66-20MHz-QPSK-132072-1RB#0-Range5:20000~40000MHz



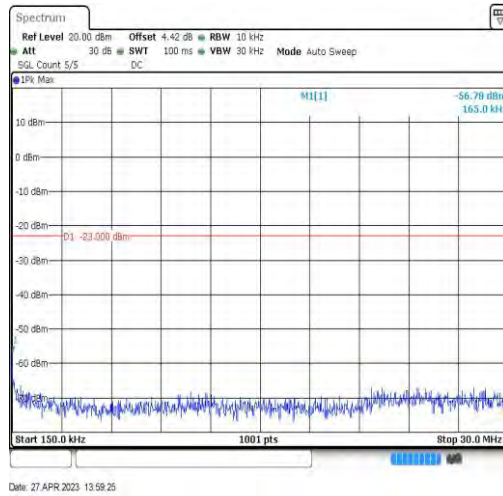
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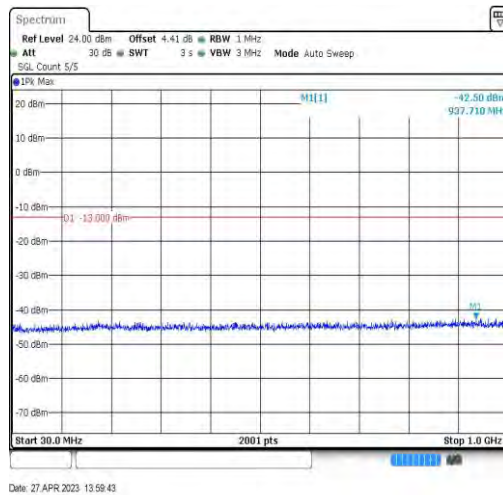
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Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



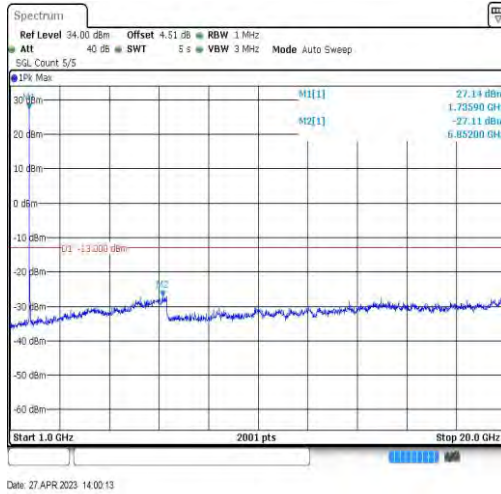
Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



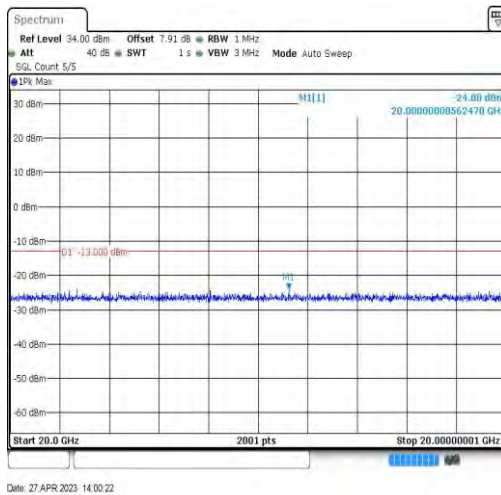
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Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



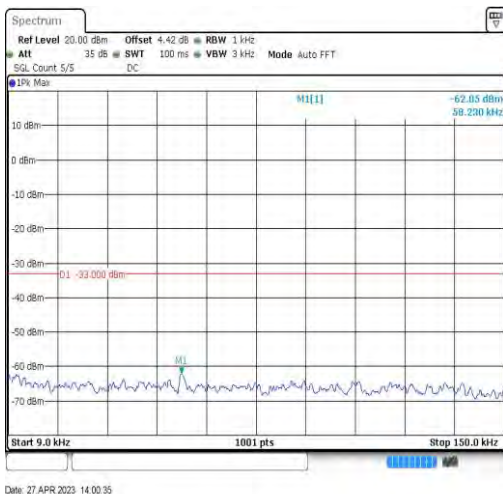
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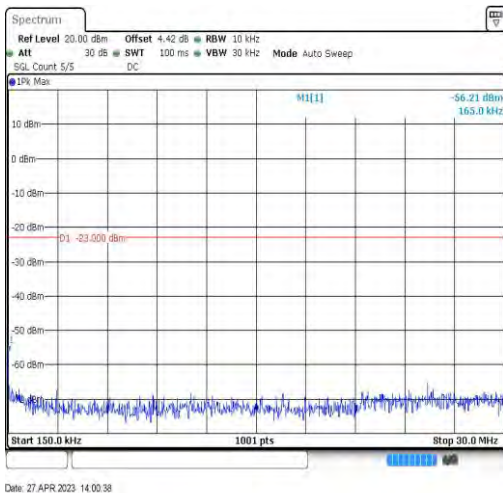
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Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



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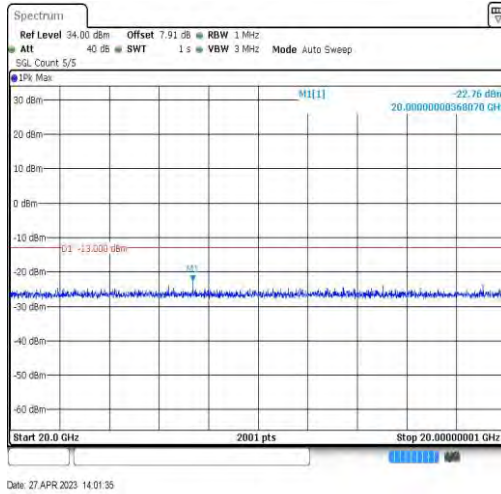
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Report No.: ZEWM2303000343RG02

Rev.: 01

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Band66-20MHz-QPSK-132572-1RB#0-Range5:20000~40000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_66 ANT 13 _20MHz_TM1

Test Channel = LCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3422.2711 | 53.05 | -45.33 | 28.73 | -58.81 | -13.00 | 45.81 | 329 | 192 | Horizontal |
| 2 | 5888.3944 | 51.56 | -41.15 | 32.75 | -52.10 | -13.00 | 39.10 | 331 | 291 | Horizontal |
| 3 | 7843.7422 | 50.41 | -37.72 | 36.77 | -45.80 | -13.00 | 32.80 | 264 | 208 | Horizontal |
| 4 | 9478.8239 | 51.82 | -35.88 | 37.67 | -41.65 | -13.00 | 28.65 | 221 | 204 | Horizontal |
| 5 | 11062.1531 | 50.99 | -37.36 | 40.16 | -41.47 | -13.00 | 28.47 | 218 | 2 | Horizontal |
| 6 | 15203.1102 | 54.20 | -35.32 | 39.71 | -36.67 | -13.00 | 23.67 | 264 | 46 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3654.0327 | 51.36 | -44.44 | 29.30 | -59.04 | -13.00 | 46.04 | 331 | 64 | Vertical |
| 2 | 5676.8838 | 51.75 | -41.21 | 32.50 | -52.22 | -13.00 | 39.22 | 264 | 56 | Vertical |
| 3 | 7869.2435 | 50.15 | -37.61 | 36.68 | -46.04 | -13.00 | 33.04 | 221 | 174 | Vertical |
| 4 | 9426.3213 | 51.89 | -35.55 | 37.41 | -41.51 | -13.00 | 28.51 | 269 | 127 | Vertical |
| 5 | 11014.1507 | 50.82 | -37.07 | 40.11 | -41.40 | -13.00 | 28.40 | 222 | 345 | Vertical |
| 6 | 15212.8606 | 54.15 | -35.41 | 39.73 | -36.79 | -13.00 | 23.79 | 316 | 48 | Vertical |



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Test Band = LTE_66 ANT 13 _20MHz_TM1

Test Channel = MCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3627.0314 | 51.57 | -44.39 | 29.12 | -58.96 | -13.00 | 45.96 | 394 | 88 | Horizontal |
| 2 | 5402.3701 | 51.13 | -41.99 | 32.49 | -53.63 | -13.00 | 40.63 | 226 | 334 | Horizontal |
| 3 | 7874.4937 | 50.41 | -37.59 | 36.65 | -45.79 | -13.00 | 32.79 | 264 | 100 | Horizontal |
| 4 | 9471.3236 | 51.86 | -35.83 | 37.63 | -41.60 | -13.00 | 28.60 | 196 | 49 | Horizontal |
| 5 | 11039.652 | 50.97 | -37.22 | 40.14 | -41.37 | -13.00 | 28.37 | 264 | 232 | Horizontal |
| 6 | 15209.8605 | 54.16 | -35.38 | 39.72 | -36.76 | -13.00 | 23.76 | 226 | 57 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3654.7827 | 51.33 | -44.44 | 29.30 | -59.07 | -13.00 | 46.07 | 116 | 239 | Vertical |
| 2 | 5628.1314 | 51.88 | -41.36 | 32.54 | -52.20 | -13.00 | 39.20 | 207 | 255 | Vertical |
| 3 | 7837.7419 | 50.42 | -37.74 | 36.75 | -45.83 | -13.00 | 32.83 | 265 | 172 | Vertical |
| 4 | 9446.5723 | 51.94 | -35.67 | 37.49 | -41.50 | -13.00 | 28.50 | 194 | 223 | Vertical |
| 5 | 11047.9024 | 50.88 | -37.27 | 40.15 | -41.50 | -13.00 | 28.50 | 265 | 263 | Vertical |
| 6 | 15197.1099 | 54.30 | -35.40 | 39.72 | -36.64 | -13.00 | 23.64 | 263 | 1 | Vertical |



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Test Band = LTE_66 ANT 13 _20MHz_TM1

Test Channel = HCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3634.5317 | 51.40 | -44.41 | 29.18 | -59.09 | -13.00 | 46.09 | 159 | 22 | Horizontal |
| 2 | 5657.3829 | 51.81 | -41.27 | 32.50 | -52.22 | -13.00 | 39.22 | 216 | 97 | Horizontal |
| 3 | 7686.2343 | 50.38 | -37.73 | 36.74 | -45.87 | -13.00 | 32.87 | 264 | 117 | Horizontal |
| 4 | 9420.321 | 51.68 | -35.51 | 37.38 | -41.71 | -13.00 | 28.71 | 236 | 97 | Horizontal |
| 5 | 11056.9028 | 50.87 | -37.33 | 40.16 | -41.56 | -13.00 | 28.56 | 218 | 113 | Horizontal |
| 6 | 15187.3594 | 54.53 | -35.79 | 39.78 | -36.74 | -13.00 | 23.74 | 233 | 216 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3625.5313 | 51.45 | -44.39 | 29.10 | -59.10 | -13.00 | 46.10 | 197 | 2 | Vertical |
| 2 | 5694.8847 | 51.91 | -41.16 | 32.50 | -52.01 | -13.00 | 39.01 | 215 | 58 | Vertical |
| 3 | 7450.7225 | 50.72 | -38.29 | 36.80 | -46.03 | -13.00 | 33.03 | 264 | 109 | Vertical |
| 4 | 9454.8227 | 51.90 | -35.73 | 37.53 | -41.56 | -13.00 | 28.56 | 263 | 89 | Vertical |
| 5 | 11068.9034 | 51.06 | -37.40 | 40.17 | -41.43 | -13.00 | 28.43 | 241 | 196 | Vertical |
| 6 | 15185.1093 | 54.49 | -35.88 | 39.79 | -36.86 | -13.00 | 23.86 | 269 | 196 | Vertical |



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Test Band = LTE_66 ANT 31_20MHz_TM1

Test Channel = LCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3422.2711 | 53.80 | -45.33 | 28.73 | -58.06 | -13.00 | 45.06 | 247 | 191 | Horizontal |
| 2 | 5135.3568 | 51.82 | -42.53 | 31.71 | -54.26 | -13.00 | 41.26 | 351 | 306 | Horizontal |
| 3 | 6823.6912 | 51.10 | -39.44 | 35.49 | -48.11 | -13.00 | 35.11 | 265 | 231 | Horizontal |
| 4 | 7852.7426 | 50.54 | -37.68 | 36.78 | -45.62 | -13.00 | 32.62 | 160 | 160 | Horizontal |
| 5 | 10963.8982 | 50.69 | -37.14 | 40.14 | -41.57 | -13.00 | 28.57 | 211 | 349 | Horizontal |
| 6 | 15200.11 | 54.46 | -35.29 | 39.70 | -36.39 | -13.00 | 23.39 | 265 | 329 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3612.7806 | 51.64 | -44.37 | 29.00 | -58.99 | -13.00 | 45.99 | 252 | 270 | Vertical |
| 2 | 5637.1319 | 52.09 | -41.33 | 32.53 | -51.97 | -13.00 | 38.97 | 213 | 140 | Vertical |
| 3 | 7692.9846 | 50.63 | -37.65 | 36.77 | -45.51 | -13.00 | 32.51 | 222 | 100 | Vertical |
| 4 | 9455.5728 | 51.91 | -35.73 | 37.53 | -41.55 | -13.00 | 28.55 | 316 | 53 | Vertical |
| 5 | 11089.1545 | 51.40 | -37.52 | 40.19 | -41.19 | -13.00 | 28.19 | 220 | 179 | Vertical |
| 6 | 15207.6104 | 54.40 | -35.36 | 39.72 | -36.50 | -13.00 | 23.50 | 226 | 148 | Vertical |



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Test Band = LTE_66 ANT 31_20MHz_TM1

Test Channel = MCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3633.7817 | 51.55 | -44.40 | 29.17 | -58.94 | -13.00 | 45.94 | 233 | 56 | Horizontal |
| 2 | 5676.1338 | 51.98 | -41.21 | 32.50 | -51.99 | -13.00 | 38.99 | 251 | 128 | Horizontal |
| 3 | 7434.2217 | 51.10 | -38.28 | 36.77 | -45.67 | -13.00 | 32.67 | 266 | 218 | Horizontal |
| 4 | 9893.5947 | 50.25 | -35.01 | 38.55 | -41.47 | -13.00 | 28.47 | 169 | 222 | Horizontal |
| 5 | 11039.652 | 51.16 | -37.22 | 40.14 | -41.18 | -13.00 | 28.18 | 222 | 341 | Horizontal |
| 6 | 15204.6102 | 54.33 | -35.33 | 39.71 | -36.55 | -13.00 | 23.55 | 216 | 112 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3601.5301 | 51.72 | -44.35 | 28.91 | -58.98 | -13.00 | 45.98 | 311 | 101 | Vertical |
| 2 | 5592.8796 | 52.12 | -41.47 | 32.54 | -52.07 | -13.00 | 39.07 | 241 | 104 | Vertical |
| 3 | 7697.4849 | 50.09 | -37.59 | 36.79 | -45.97 | -13.00 | 32.97 | 100 | 133 | Vertical |
| 4 | 9502.8251 | 51.81 | -36.00 | 37.80 | -41.65 | -13.00 | 28.65 | 216 | 354 | Vertical |
| 5 | 11101.1551 | 51.31 | -37.61 | 40.20 | -41.36 | -13.00 | 28.36 | 222 | 232 | Vertical |
| 6 | 15195.6098 | 54.49 | -35.46 | 39.73 | -36.50 | -13.00 | 23.50 | 331 | 140 | Vertical |



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Test Band = LTE_66 ANT 31_20MHz_TM1

Test Channel = HCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3969.7985 | 51.21 | -44.18 | 29.86 | -58.37 | -13.00 | 45.37 | 187 | 233 | Horizontal |
| 2 | 5152.6076 | 52.11 | -42.54 | 31.81 | -53.88 | -13.00 | 40.88 | 167 | 322 | Horizontal |
| 3 | 6454.6727 | 51.12 | -40.62 | 33.85 | -50.91 | -13.00 | 37.91 | 285 | 26 | Horizontal |
| 4 | 8497.7749 | 50.39 | -36.47 | 36.50 | -44.84 | -13.00 | 31.84 | 336 | 189 | Horizontal |
| 5 | 9457.8229 | 51.85 | -35.74 | 37.55 | -41.60 | -13.00 | 28.60 | 326 | 81 | Horizontal |
| 6 | 16598.9299 | 54.72 | -35.34 | 39.50 | -36.38 | -13.00 | 23.38 | 240 | 30 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|--------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3987.7994 | 51.15 | -44.17 | 29.82 | -58.46 | -13.00 | 45.46 | 138 | 324 | Vertical |
| 2 | 5633.3817 | 52.13 | -41.34 | 32.53 | -51.94 | -13.00 | 38.94 | 176 | 195 | Vertical |
| 3 | 7443.2222 | 50.91 | -38.28 | 36.79 | -45.84 | -13.00 | 32.84 | 197 | 10 | Vertical |
| 4 | 9431.5716 | 52.14 | -35.58 | 37.43 | -41.27 | -13.00 | 28.27 | 184 | 236 | Vertical |
| 5 | 11026.1513 | 51.05 | -37.14 | 40.13 | -41.22 | -13.00 | 28.22 | 128 | 236 | Vertical |
| 6 | 15218.8609 | 54.53 | -35.46 | 39.74 | -36.45 | -13.00 | 23.45 | 122 | 71 | Vertical |

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

| Voltage | | | | | | | | | |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | VN | NT | -3.70 | -0.002120 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | VL | NT | -0.50 | -0.000287 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | VH | NT | -4.70 | -0.002693 | PASS |

| Temperature | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -30 | -3.80 | -0.002178 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -20 | -3.40 | -0.001948 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -10 | -3.50 | -0.002006 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 0 | 0.00 | 0.000000 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 10 | -0.80 | -0.000458 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 20 | 0.60 | 0.000344 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 30 | -2.30 | -0.001318 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 40 | -0.60 | -0.000344 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 50 | -4.00 | -0.002292 | PASS |

---End of Attachment---

