

Appendix B

NR band N38



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1 Effective (Isotropic) Radiated Power Output Data

| NR Band | Bandwidth | SCS | Modulation | Channel | RB Config | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|---------|-----------|-------|------------|---------|-----------------|----------------------|------------|-------------|---------|
| N38 | 20MHz | 30KHz | TM1 | 516000 | Inner Full | 23.55 | 23.91 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 516000 | Inner 1RB Left | 23.77 | 24.13 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 516000 | Inner 1RB Right | 23.48 | 23.84 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 519000 | Inner Full | 21.89 | 22.25 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 519000 | Inner 1RB Left | 21.95 | 22.31 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 519000 | Inner 1RB Right | 21.56 | 21.92 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 522000 | Inner Full | 23.34 | 23.70 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 522000 | Inner 1RB Left | 23.39 | 23.75 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM1 | 522000 | Inner 1RB Right | 23.09 | 23.45 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 516000 | Inner Full | 23.57 | 23.93 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 516000 | Inner 1RB Left | 23.47 | 23.83 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 516000 | Inner 1RB Right | 23.54 | 23.90 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 519000 | Inner Full | 22.15 | 22.51 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 519000 | Inner 1RB Left | 21.86 | 22.22 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 519000 | Inner 1RB Right | 21.62 | 21.98 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 522000 | Inner Full | 23.06 | 23.42 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 522000 | Inner 1RB Left | 23.17 | 23.53 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 522000 | Inner 1RB Right | 23.32 | 23.68 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 516000 | Inner Full | 22.57 | 22.93 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 516000 | Inner 1RB Left | 22.87 | 23.23 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 516000 | Inner 1RB Right | 22.68 | 23.04 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 519000 | Inner Full | 21.54 | 21.90 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 519000 | Inner 1RB Left | 21.92 | 22.28 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 519000 | Inner 1RB Right | 21.71 | 22.07 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 522000 | Inner Full | 21.82 | 22.18 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 522000 | Inner 1RB Left | 22.62 | 22.98 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 522000 | Inner 1RB Right | 22.23 | 22.59 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 516000 | Inner Full | 20.78 | 21.14 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 516000 | Inner 1RB Left | 20.91 | 21.27 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 516000 | Inner 1RB Right | 20.81 | 21.17 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 519000 | Inner Full | 20.10 | 20.46 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 519000 | Inner 1RB Left | 19.86 | 20.22 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 519000 | Inner 1RB Right | 19.73 | 20.09 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 522000 | Inner Full | 20.41 | 20.77 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 522000 | Inner 1RB Left | 21.09 | 21.45 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 522000 | Inner 1RB Right | 20.59 | 20.95 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 516000 | Inner Full | 18.33 | 18.69 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 516000 | Inner 1RB Left | 18.37 | 18.73 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 516000 | Inner 1RB Right | 18.90 | 19.26 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 519000 | Inner Full | 18.56 | 18.92 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 519000 | Inner 1RB Left | 18.51 | 18.87 | 33 | PASS |



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| | | | | | | | | | |
|-----|-------|-------|-----|--------|-----------------|-------|-------|----|------|
| N38 | 20MHz | 30KHz | TM5 | 519000 | Inner 1RB Right | 18.86 | 19.22 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 522000 | Inner Full | 18.64 | 19.00 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 522000 | Inner 1RB Left | 18.51 | 18.87 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 522000 | Inner 1RB Right | 18.75 | 19.11 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 516000 | Inner Full | 23.54 | 23.90 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 516000 | Inner 1RB Left | 23.54 | 23.90 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 516000 | Inner 1RB Right | 23.61 | 23.97 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 519000 | Inner Full | 21.81 | 22.17 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 519000 | Inner 1RB Left | 22.09 | 22.45 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 519000 | Inner 1RB Right | 22.20 | 22.56 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 522000 | Inner Full | 23.29 | 23.65 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 522000 | Inner 1RB Left | 23.62 | 23.98 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 522000 | Inner 1RB Right | 23.20 | 23.56 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 516000 | Inner Full | 22.32 | 22.68 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 516000 | Inner 1RB Left | 22.29 | 22.65 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 516000 | Inner 1RB Right | 22.29 | 22.65 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 519000 | Inner Full | 21.34 | 21.70 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 519000 | Inner 1RB Left | 21.34 | 21.70 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 519000 | Inner 1RB Right | 21.52 | 21.88 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 522000 | Inner Full | 21.91 | 22.27 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 522000 | Inner 1RB Left | 22.57 | 22.93 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 522000 | Inner 1RB Right | 22.09 | 22.45 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 516000 | Inner Full | 21.04 | 21.40 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 516000 | Inner 1RB Left | 21.31 | 21.67 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 516000 | Inner 1RB Right | 20.83 | 21.19 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 519000 | Inner Full | 20.11 | 20.47 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 519000 | Inner 1RB Left | 20.06 | 20.42 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 519000 | Inner 1RB Right | 19.95 | 20.31 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 522000 | Inner Full | 20.24 | 20.60 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 522000 | Inner 1RB Left | 20.82 | 21.18 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 522000 | Inner 1RB Right | 20.71 | 21.07 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 516000 | Inner Full | 18.95 | 19.31 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 516000 | Inner 1RB Left | 18.25 | 18.61 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 516000 | Inner 1RB Right | 18.82 | 19.18 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 519000 | Inner Full | 19.13 | 19.49 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 519000 | Inner 1RB Left | 19.10 | 19.46 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 519000 | Inner 1RB Right | 18.97 | 19.33 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 522000 | Inner Full | 18.92 | 19.28 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 522000 | Inner 1RB Left | 18.62 | 18.98 | 33 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 522000 | Inner 1RB Right | 18.49 | 18.85 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 517000 | Inner Full | 23.35 | 23.71 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 517000 | Inner 1RB Left | 23.57 | 23.93 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 517000 | Inner 1RB Right | 23.38 | 23.74 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 519000 | Inner Full | 22.19 | 22.55 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 519000 | Inner 1RB Left | 21.85 | 22.21 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 519000 | Inner 1RB Right | 21.56 | 21.92 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 521000 | Inner Full | 23.14 | 23.50 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 521000 | Inner 1RB Left | 23.49 | 23.85 | 33 | PASS |



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|-----|-------|-------|-----|--------|-----------------|-------|-------|----|------|
| N38 | 30MHz | 30KHz | TM1 | 521000 | Inner 1RB Right | 23.09 | 23.45 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 517000 | Inner Full | 23.57 | 23.93 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 517000 | Inner 1RB Left | 23.77 | 24.13 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 517000 | Inner 1RB Right | 23.54 | 23.90 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 519000 | Inner Full | 21.85 | 22.21 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 519000 | Inner 1RB Left | 22.06 | 22.42 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 519000 | Inner 1RB Right | 21.52 | 21.88 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 521000 | Inner Full | 23.26 | 23.62 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 521000 | Inner 1RB Left | 23.47 | 23.83 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 521000 | Inner 1RB Right | 23.32 | 23.68 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 517000 | Inner Full | 22.47 | 22.83 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 517000 | Inner 1RB Left | 22.67 | 23.03 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 517000 | Inner 1RB Right | 22.48 | 22.84 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 519000 | Inner Full | 21.44 | 21.80 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 519000 | Inner 1RB Left | 21.62 | 21.98 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 519000 | Inner 1RB Right | 21.71 | 22.07 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 521000 | Inner Full | 21.62 | 21.98 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 521000 | Inner 1RB Left | 22.42 | 22.78 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 521000 | Inner 1RB Right | 22.13 | 22.49 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 517000 | Inner Full | 21.08 | 21.44 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 517000 | Inner 1RB Left | 21.01 | 21.37 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 517000 | Inner 1RB Right | 20.51 | 20.87 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 519000 | Inner Full | 20.00 | 20.36 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 519000 | Inner 1RB Left | 20.16 | 20.52 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 519000 | Inner 1RB Right | 19.83 | 20.19 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 521000 | Inner Full | 20.31 | 20.67 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 521000 | Inner 1RB Left | 21.19 | 21.55 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 521000 | Inner 1RB Right | 20.69 | 21.05 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 517000 | Inner Full | 19.03 | 19.39 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 517000 | Inner 1RB Left | 18.27 | 18.63 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 517000 | Inner 1RB Right | 18.60 | 18.96 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 519000 | Inner Full | 19.16 | 19.52 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 519000 | Inner 1RB Left | 18.41 | 18.77 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 519000 | Inner 1RB Right | 18.96 | 19.32 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 521000 | Inner Full | 18.54 | 18.90 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 521000 | Inner 1RB Left | 18.51 | 18.87 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 521000 | Inner 1RB Right | 18.65 | 19.01 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 517000 | Inner Full | 23.54 | 23.90 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 517000 | Inner 1RB Left | 23.54 | 23.90 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 517000 | Inner 1RB Right | 23.31 | 23.67 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 519000 | Inner Full | 22.11 | 22.47 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 519000 | Inner 1RB Left | 21.89 | 22.25 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 519000 | Inner 1RB Right | 22.20 | 22.56 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 521000 | Inner Full | 23.09 | 23.45 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 521000 | Inner 1RB Left | 23.62 | 23.98 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 521000 | Inner 1RB Right | 23.00 | 23.36 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 517000 | Inner Full | 22.32 | 22.68 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 517000 | Inner 1RB Left | 22.49 | 22.85 | 33 | PASS |



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|-----|-------|-------|-----|--------|-----------------|-------|-------|----|------|
| N38 | 30MHz | 30KHz | TM7 | 517000 | Inner 1RB Right | 22.39 | 22.75 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 519000 | Inner Full | 21.44 | 21.80 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 519000 | Inner 1RB Left | 21.54 | 21.90 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 519000 | Inner 1RB Right | 21.42 | 21.78 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 521000 | Inner Full | 22.11 | 22.47 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 521000 | Inner 1RB Left | 22.47 | 22.83 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 521000 | Inner 1RB Right | 22.29 | 22.65 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 517000 | Inner Full | 20.84 | 21.20 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 517000 | Inner 1RB Left | 21.21 | 21.57 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 517000 | Inner 1RB Right | 20.83 | 21.19 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 519000 | Inner Full | 19.81 | 20.17 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 519000 | Inner 1RB Left | 20.36 | 20.72 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 519000 | Inner 1RB Right | 19.95 | 20.31 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 521000 | Inner Full | 20.14 | 20.50 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 521000 | Inner 1RB Left | 20.72 | 21.08 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 521000 | Inner 1RB Right | 20.81 | 21.17 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 517000 | Inner Full | 19.05 | 19.41 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 517000 | Inner 1RB Left | 18.15 | 18.51 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 517000 | Inner 1RB Right | 18.82 | 19.18 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 519000 | Inner Full | 19.23 | 19.59 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 519000 | Inner 1RB Left | 19.00 | 19.36 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 519000 | Inner 1RB Right | 18.67 | 19.03 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 521000 | Inner Full | 18.92 | 19.28 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 521000 | Inner 1RB Left | 18.82 | 19.18 | 33 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 521000 | Inner 1RB Right | 18.79 | 19.15 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 518000 | Inner Full | 23.55 | 23.91 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 518000 | Inner 1RB Left | 23.47 | 23.83 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 518000 | Inner 1RB Right | 23.38 | 23.74 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 519000 | Inner Full | 21.89 | 22.25 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 519000 | Inner 1RB Left | 21.95 | 22.31 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 519000 | Inner 1RB Right | 21.86 | 22.22 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 520000 | Inner Full | 23.04 | 23.40 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 520000 | Inner 1RB Left | 23.59 | 23.95 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 520000 | Inner 1RB Right | 23.09 | 23.45 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 518000 | Inner Full | 23.27 | 23.63 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 518000 | Inner 1RB Left | 23.57 | 23.93 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 518000 | Inner 1RB Right | 23.44 | 23.80 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 519000 | Inner Full | 22.15 | 22.51 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 519000 | Inner 1RB Left | 21.96 | 22.32 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 519000 | Inner 1RB Right | 21.52 | 21.88 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 520000 | Inner Full | 23.26 | 23.62 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 520000 | Inner 1RB Left | 23.17 | 23.53 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 520000 | Inner 1RB Right | 23.22 | 23.58 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 518000 | Inner Full | 22.47 | 22.83 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 518000 | Inner 1RB Left | 22.87 | 23.23 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 518000 | Inner 1RB Right | 22.58 | 22.94 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 519000 | Inner Full | 21.44 | 21.80 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 519000 | Inner 1RB Left | 21.72 | 22.08 | 33 | PASS |



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| | | | | | | | | | |
|-----|-------|-------|-----|--------|-----------------|-------|-------|----|------|
| N38 | 40MHz | 30KHz | TM3 | 519000 | Inner 1RB Right | 21.61 | 21.97 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 520000 | Inner Full | 21.82 | 22.18 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 520000 | Inner 1RB Left | 22.42 | 22.78 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 520000 | Inner 1RB Right | 22.03 | 22.39 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 518000 | Inner Full | 21.08 | 21.44 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 518000 | Inner 1RB Left | 21.11 | 21.47 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 518000 | Inner 1RB Right | 20.71 | 21.07 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 519000 | Inner Full | 19.90 | 20.26 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 519000 | Inner 1RB Left | 19.86 | 20.22 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 519000 | Inner 1RB Right | 19.83 | 20.19 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 520000 | Inner Full | 20.11 | 20.47 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 520000 | Inner 1RB Left | 20.99 | 21.35 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 520000 | Inner 1RB Right | 20.59 | 20.95 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 518000 | Inner Full | 19.03 | 19.39 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 518000 | Inner 1RB Left | 18.17 | 18.53 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 518000 | Inner 1RB Right | 18.80 | 19.16 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 519000 | Inner Full | 18.86 | 19.22 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 519000 | Inner 1RB Left | 18.51 | 18.87 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 519000 | Inner 1RB Right | 19.06 | 19.42 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 520000 | Inner Full | 18.54 | 18.90 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 520000 | Inner 1RB Left | 18.61 | 18.97 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 520000 | Inner 1RB Right | 18.75 | 19.11 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 518000 | Inner Full | 23.64 | 24.00 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 518000 | Inner 1RB Left | 23.64 | 24.00 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 518000 | Inner 1RB Right | 23.41 | 23.77 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 519000 | Inner Full | 21.91 | 22.27 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 519000 | Inner 1RB Left | 21.89 | 22.25 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 519000 | Inner 1RB Right | 22.30 | 22.66 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 520000 | Inner Full | 22.99 | 23.35 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 520000 | Inner 1RB Left | 23.32 | 23.68 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 520000 | Inner 1RB Right | 23.20 | 23.56 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 518000 | Inner Full | 22.42 | 22.78 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 518000 | Inner 1RB Left | 22.39 | 22.75 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 518000 | Inner 1RB Right | 22.49 | 22.85 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 519000 | Inner Full | 21.54 | 21.90 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 519000 | Inner 1RB Left | 21.34 | 21.70 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 519000 | Inner 1RB Right | 21.52 | 21.88 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 520000 | Inner Full | 22.01 | 22.37 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 520000 | Inner 1RB Left | 22.57 | 22.93 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 520000 | Inner 1RB Right | 22.19 | 22.55 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 518000 | Inner Full | 20.84 | 21.20 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 518000 | Inner 1RB Left | 21.11 | 21.47 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 518000 | Inner 1RB Right | 20.83 | 21.19 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 519000 | Inner Full | 19.81 | 20.17 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 519000 | Inner 1RB Left | 20.36 | 20.72 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 519000 | Inner 1RB Right | 19.95 | 20.31 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 520000 | Inner Full | 20.24 | 20.60 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 520000 | Inner 1RB Left | 20.82 | 21.18 | 33 | PASS |



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| | | | | | | | | | |
|-----|-------|-------|-----|--------|-----------------|-------|-------|----|------|
| N38 | 40MHz | 30KHz | TM8 | 520000 | Inner 1RB Right | 20.61 | 20.97 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 518000 | Inner Full | 19.15 | 19.51 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 518000 | Inner 1RB Left | 18.35 | 18.71 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 518000 | Inner 1RB Right | 18.72 | 19.08 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 519000 | Inner Full | 18.93 | 19.29 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 519000 | Inner 1RB Left | 18.80 | 19.16 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 519000 | Inner 1RB Right | 18.77 | 19.13 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 520000 | Inner Full | 19.02 | 19.38 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 520000 | Inner 1RB Left | 18.62 | 18.98 | 33 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 520000 | Inner 1RB Right | 18.59 | 18.95 | 33 | PASS |

Note:

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

$$\text{EIRP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

$$\text{ERP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBi]} - 2.15$$



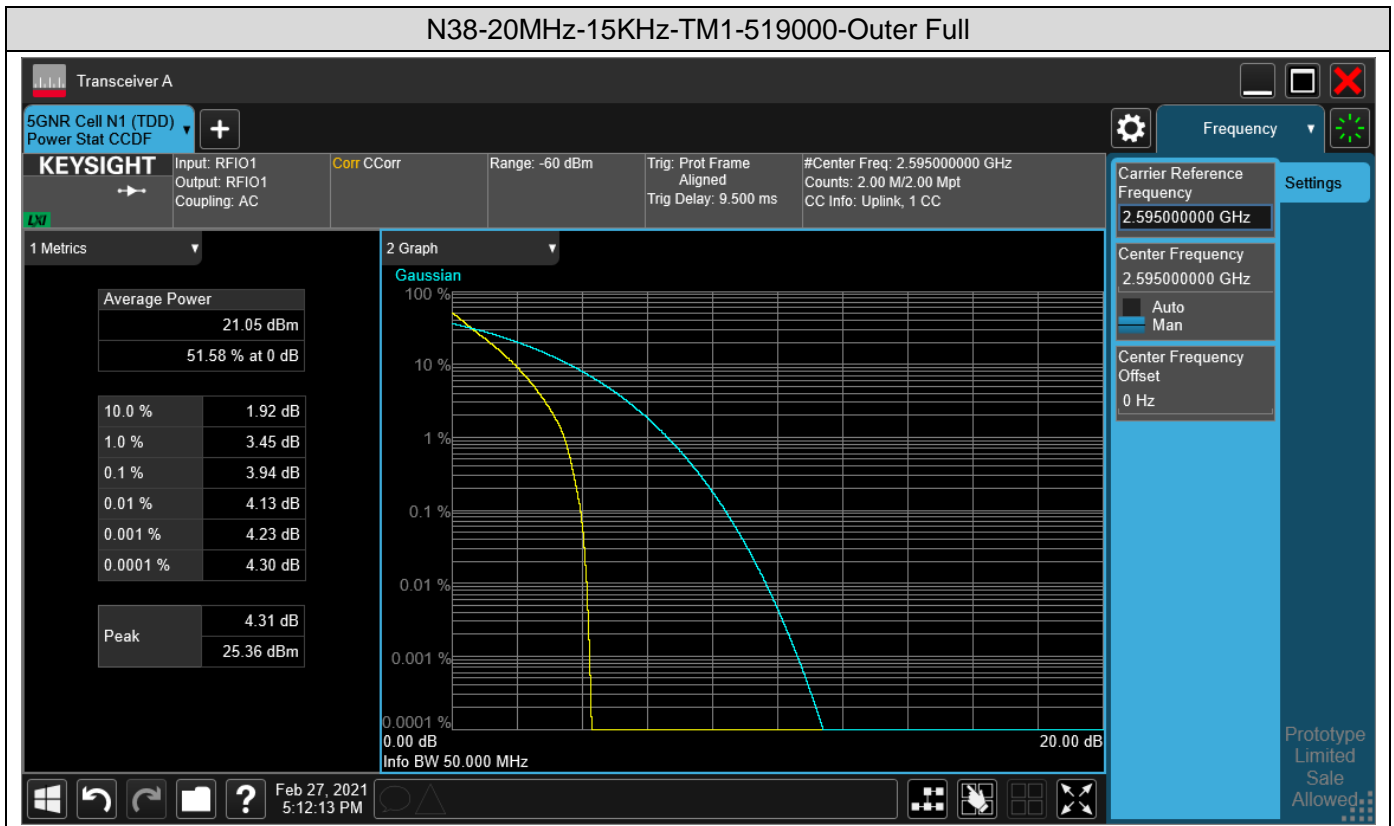
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2 Peak-to-Average Ratio

2.1 Test Results

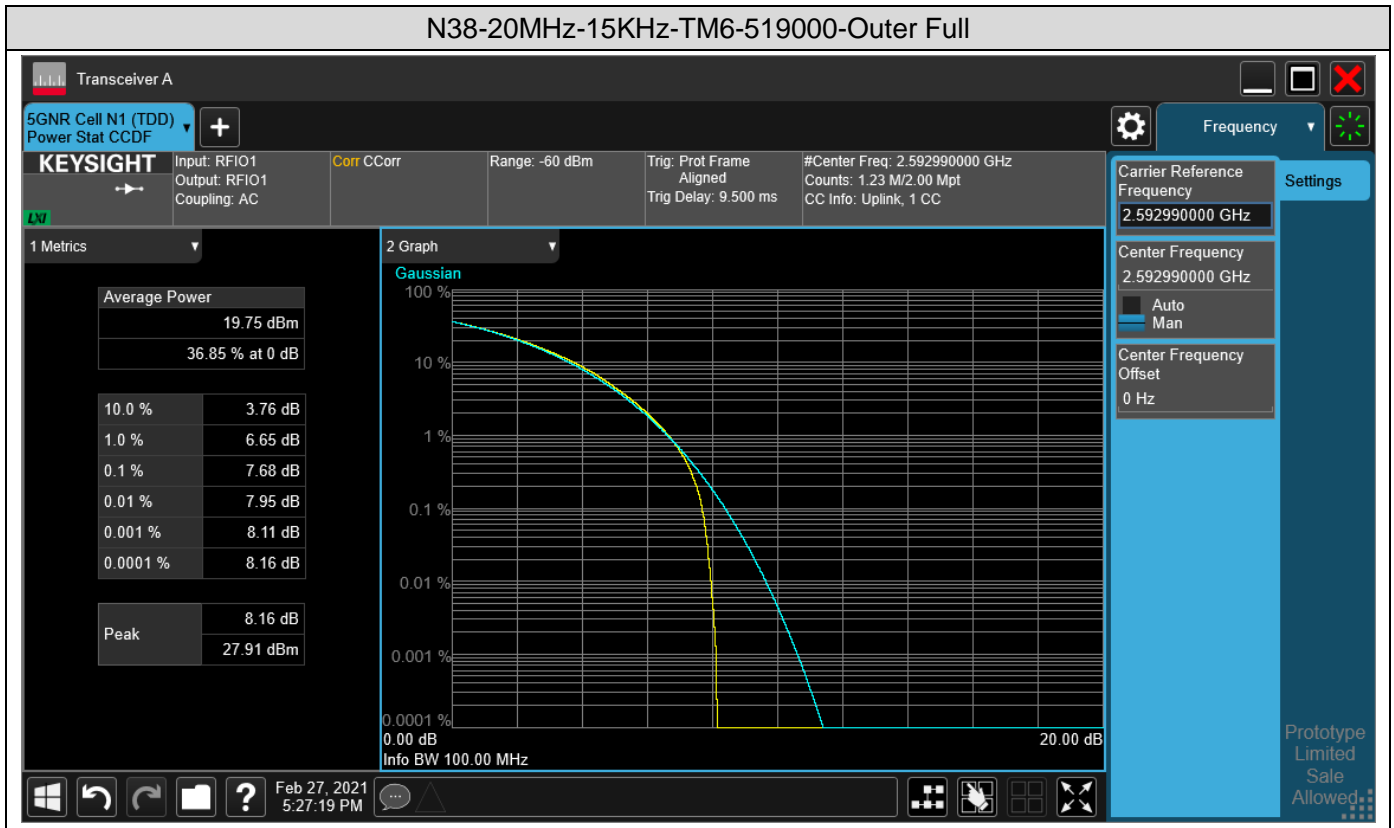
| NR Band | Bandwidth | SCS | Modulation | Channel | RB Config | Result (dB) | Limit (dBm) | Verdict |
|---------|-----------|-------|------------|---------|------------|-------------|-------------|---------|
| N38 | 40MHz | 30KHz | TM1 | 519000 | Outer Full | 3.94 | 13 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 519000 | Outer Full | 7.68 | 13 | PASS |

2.2 Test Plots



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REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



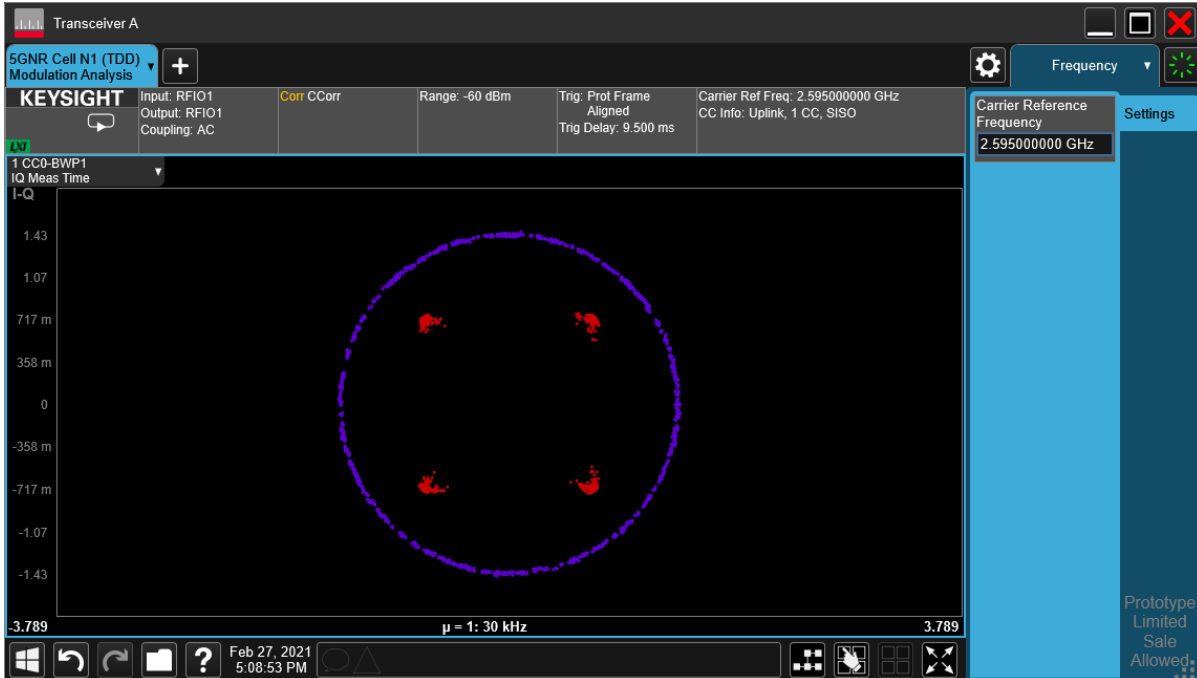
3 Modulation Characteristics

3.1 Test Plots

3.1.1 Test Band = N38

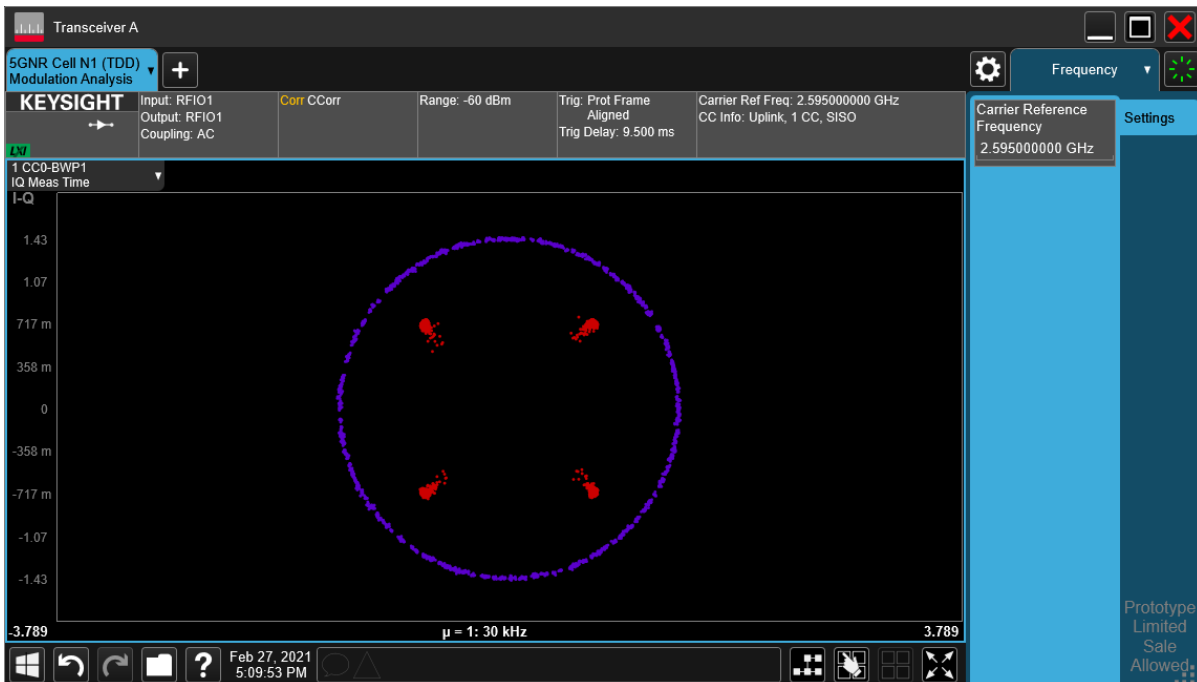
3.1.1.1 Test Mode = TM1 40MHz

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = TM2 40MHz

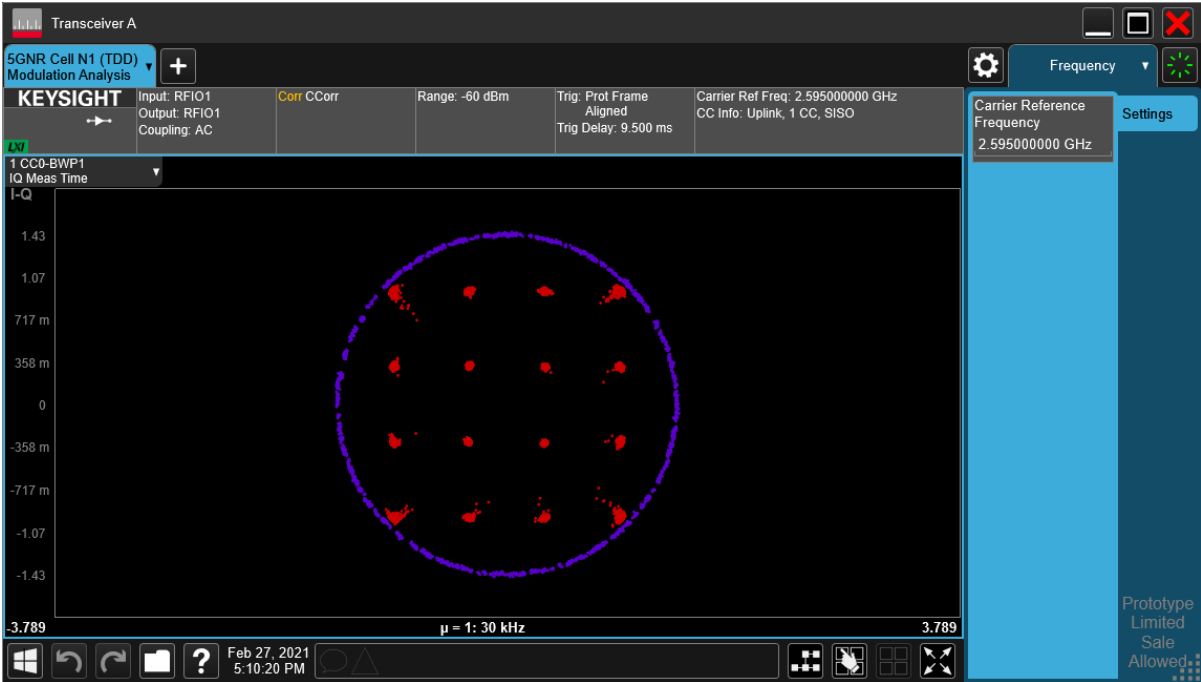
3.1.1.2.1 Test Channel = MCH



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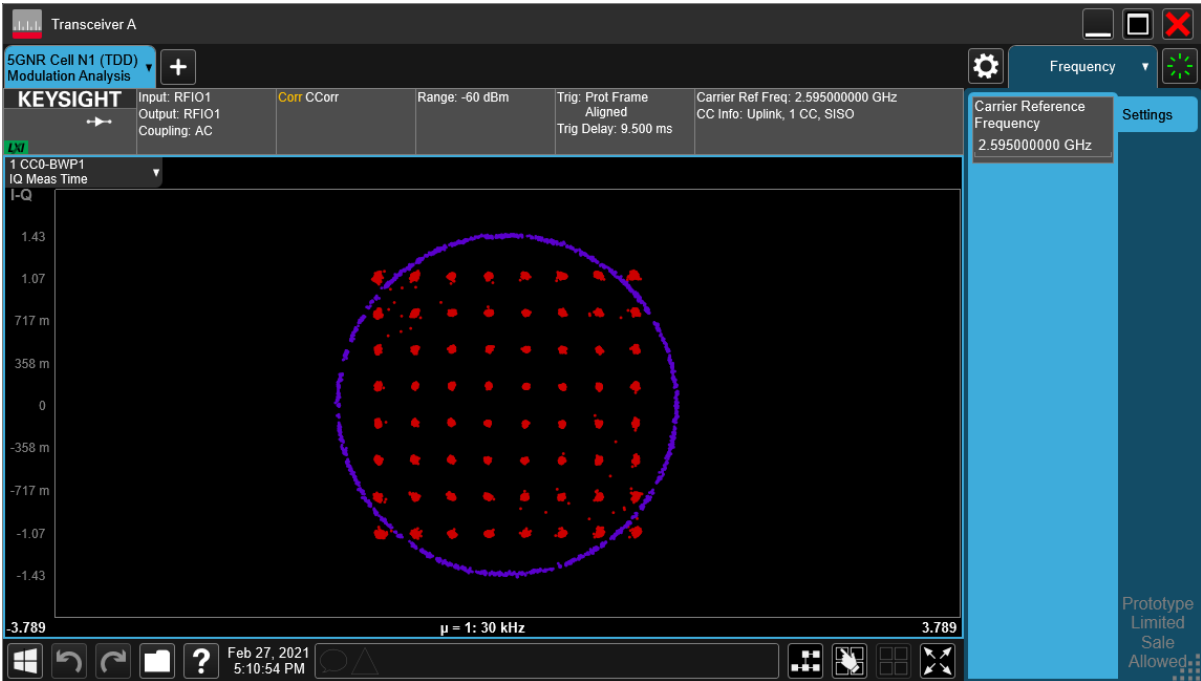
3.1.1.3 Test Mode = TM3 40MHz

3.1.1.3.1 Test Channel = MCH



3.1.1.4 Test Mode = TM4 40MHz

3.1.1.4.1 Test Channel = MCH

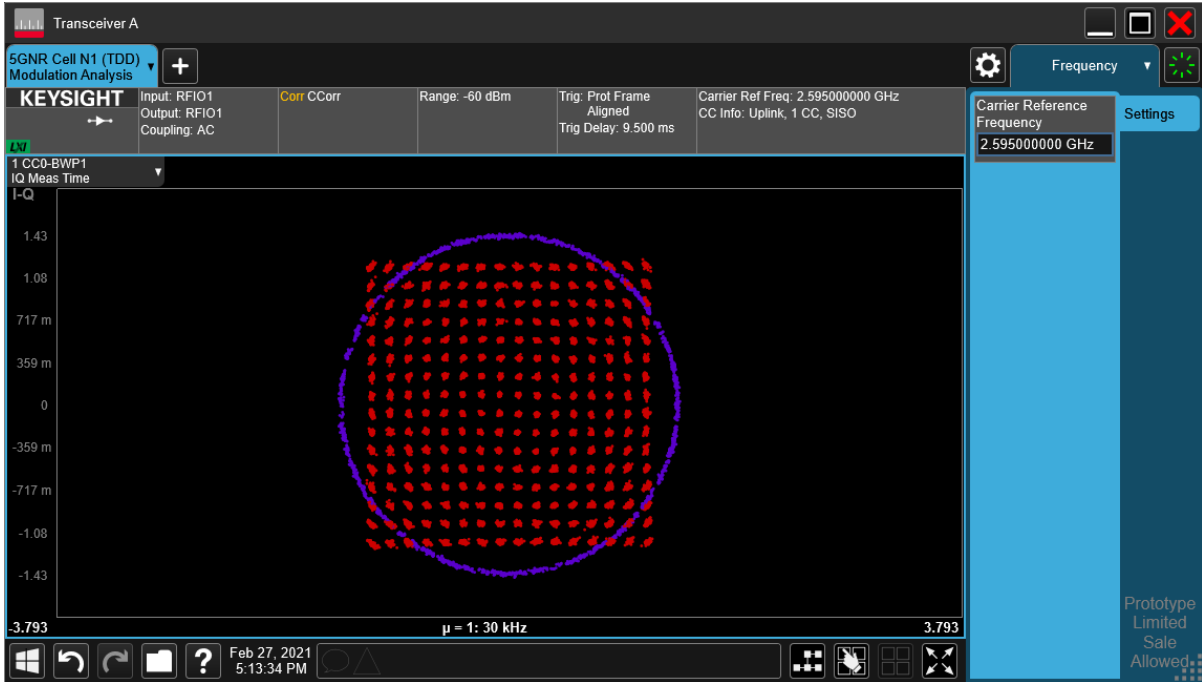


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Shenzhen Branch Inspection & Testing Services Laboratory

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3.1.1.5 Test Mode = TM5 40MHz
3.1.1.5.1 Test Channel = MCH



3.1.1.6 Test Mode = TM6 40MHz
3.1.1.6.1 Test Channel = MCH



REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



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4 Occupied Bandwidth & 26dB Emission Bandwidth

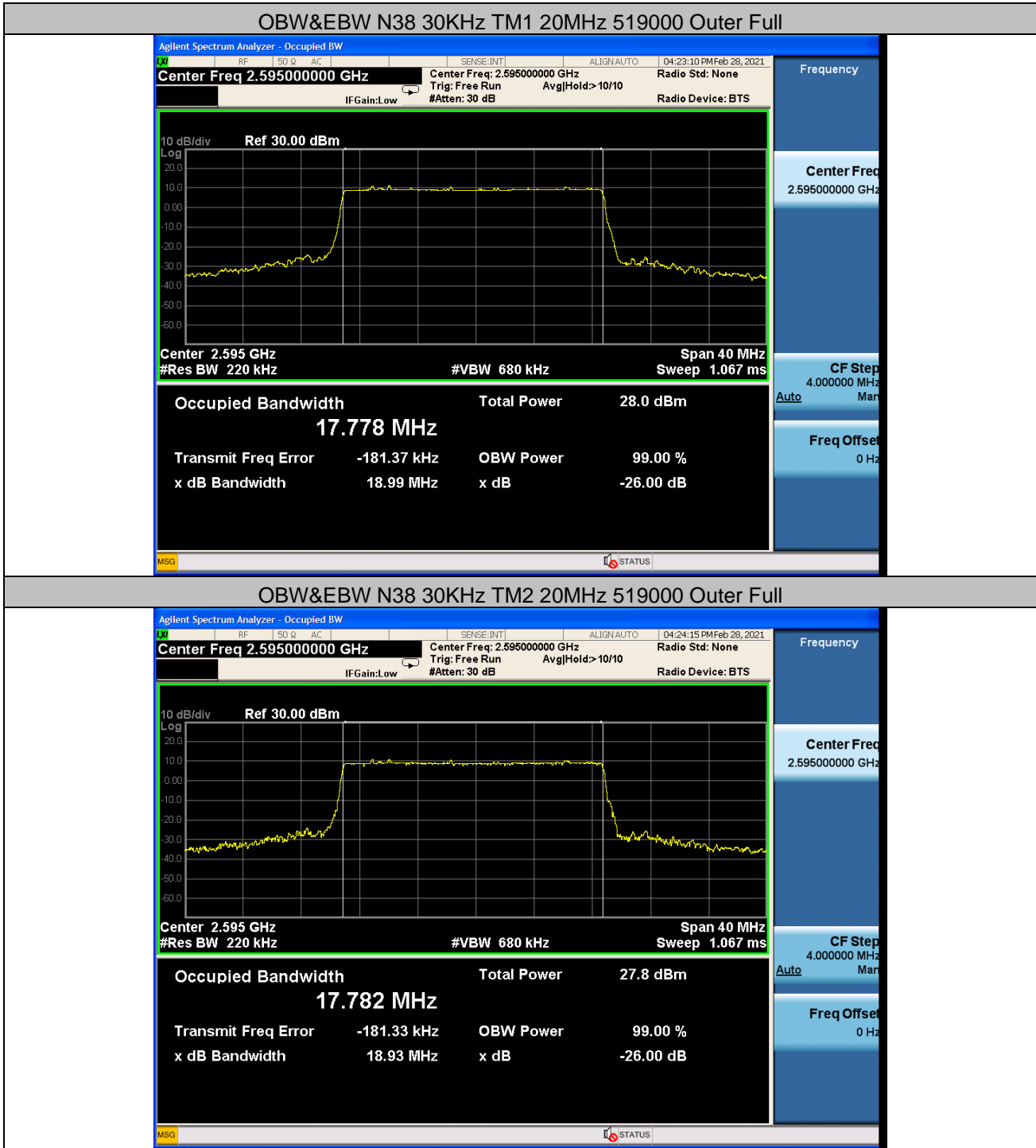
4.1 Test Results

| NR Band | Bandwidth | SCS | Modulation | Channel | RB Config | OBW (MHz) | EBW (MHz) | Verdict |
|---------|-----------|-------|------------|---------|------------|-----------|-----------|---------|
| N38 | 20MHz | 30KHz | TM1 | 519000 | Outer Full | 17.78 | 18.99 | PASS |
| N38 | 20MHz | 30KHz | TM2 | 519000 | Outer Full | 17.78 | 18.93 | PASS |
| N38 | 20MHz | 30KHz | TM3 | 519000 | Outer Full | 17.86 | 19.31 | PASS |
| N38 | 20MHz | 30KHz | TM4 | 519000 | Outer Full | 17.87 | 18.76 | PASS |
| N38 | 20MHz | 30KHz | TM5 | 519000 | Outer Full | 17.82 | 19.22 | PASS |
| N38 | 20MHz | 30KHz | TM6 | 519000 | Outer Full | 18.22 | 19.44 | PASS |
| N38 | 20MHz | 30KHz | TM7 | 519000 | Outer Full | 18.25 | 19.24 | PASS |
| N38 | 20MHz | 30KHz | TM8 | 519000 | Outer Full | 18.23 | 19.34 | PASS |
| N38 | 20MHz | 30KHz | TM9 | 519000 | Outer Full | 18.21 | 19.33 | PASS |
| N38 | 30MHz | 30KHz | TM1 | 519000 | Outer Full | 26.79 | 28.07 | PASS |
| N38 | 30MHz | 30KHz | TM2 | 519000 | Outer Full | 26.75 | 28.12 | PASS |
| N38 | 30MHz | 30KHz | TM3 | 519000 | Outer Full | 26.80 | 28.06 | PASS |
| N38 | 30MHz | 30KHz | TM4 | 519000 | Outer Full | 26.76 | 28.06 | PASS |
| N38 | 30MHz | 30KHz | TM5 | 519000 | Outer Full | 26.83 | 28.27 | PASS |
| N38 | 30MHz | 30KHz | TM6 | 519000 | Outer Full | 27.83 | 29.32 | PASS |
| N38 | 30MHz | 30KHz | TM7 | 519000 | Outer Full | 27.79 | 29.27 | PASS |
| N38 | 30MHz | 30KHz | TM8 | 519000 | Outer Full | 27.81 | 29.11 | PASS |
| N38 | 30MHz | 30KHz | TM9 | 519000 | Outer Full | 27.91 | 29.12 | PASS |
| N38 | 40MHz | 30KHz | TM1 | 519000 | Outer Full | 35.78 | 37.49 | PASS |
| N38 | 40MHz | 30KHz | TM2 | 519000 | Outer Full | 35.75 | 37.23 | PASS |
| N38 | 40MHz | 30KHz | TM3 | 519000 | Outer Full | 35.80 | 37.43 | PASS |
| N38 | 40MHz | 30KHz | TM4 | 519000 | Outer Full | 35.72 | 37.26 | PASS |
| N38 | 40MHz | 30KHz | TM5 | 519000 | Outer Full | 35.72 | 37.27 | PASS |
| N38 | 40MHz | 30KHz | TM6 | 519000 | Outer Full | 37.83 | 39.60 | PASS |
| N38 | 40MHz | 30KHz | TM7 | 519000 | Outer Full | 37.84 | 39.16 | PASS |
| N38 | 40MHz | 30KHz | TM8 | 519000 | Outer Full | 37.80 | 39.37 | PASS |
| N38 | 40MHz | 30KHz | TM9 | 519000 | Outer Full | 37.83 | 39.29 | PASS |

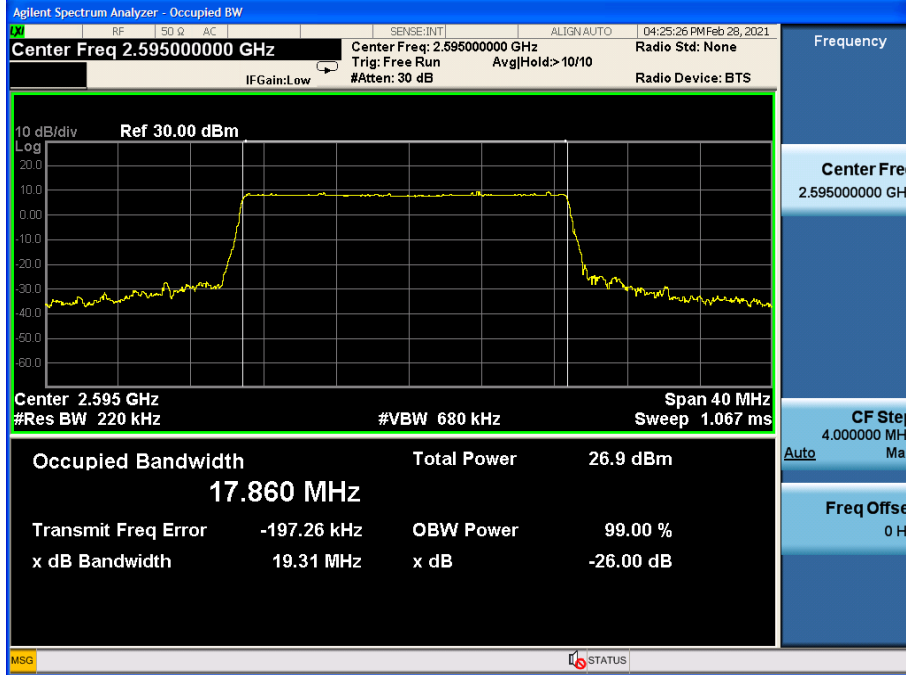


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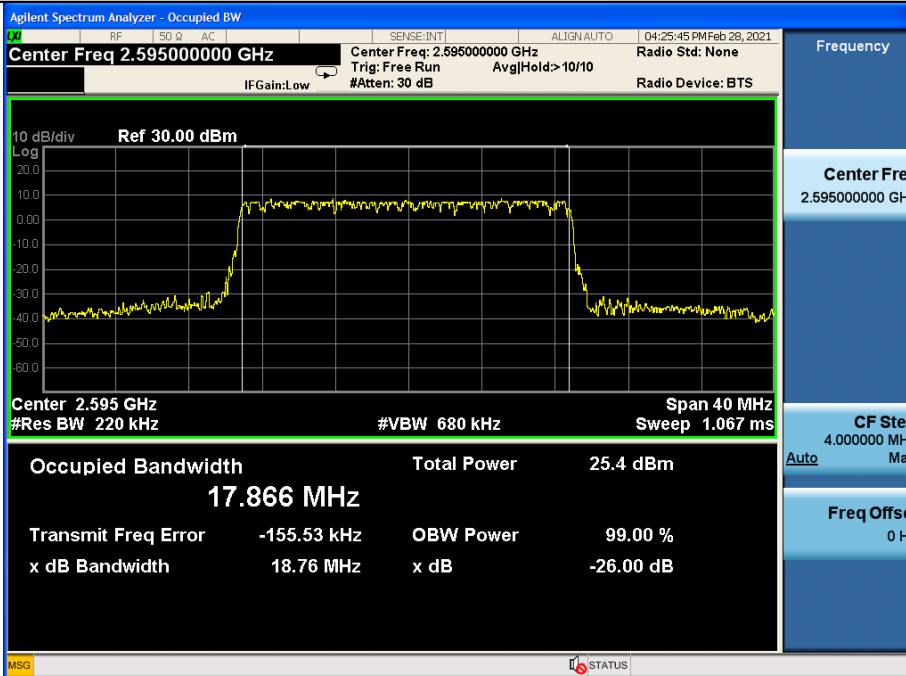
4.2 Test Plots



OBW&EBW N38 30KHz TM3 20MHz 519000 Outer Full

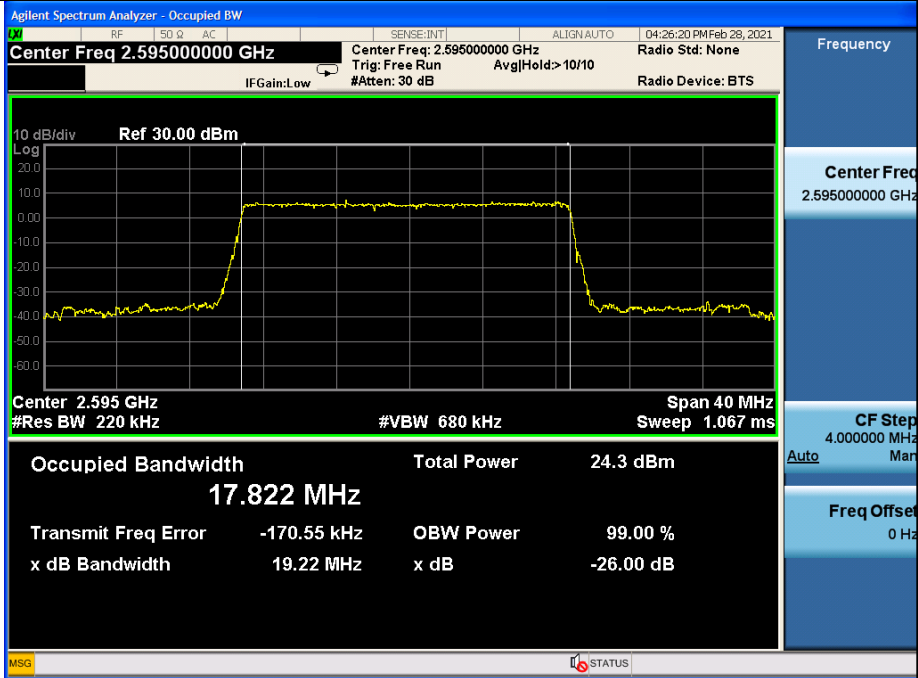


OBW&EBW N38 30KHz TM4 20MHz 519000 Outer Full

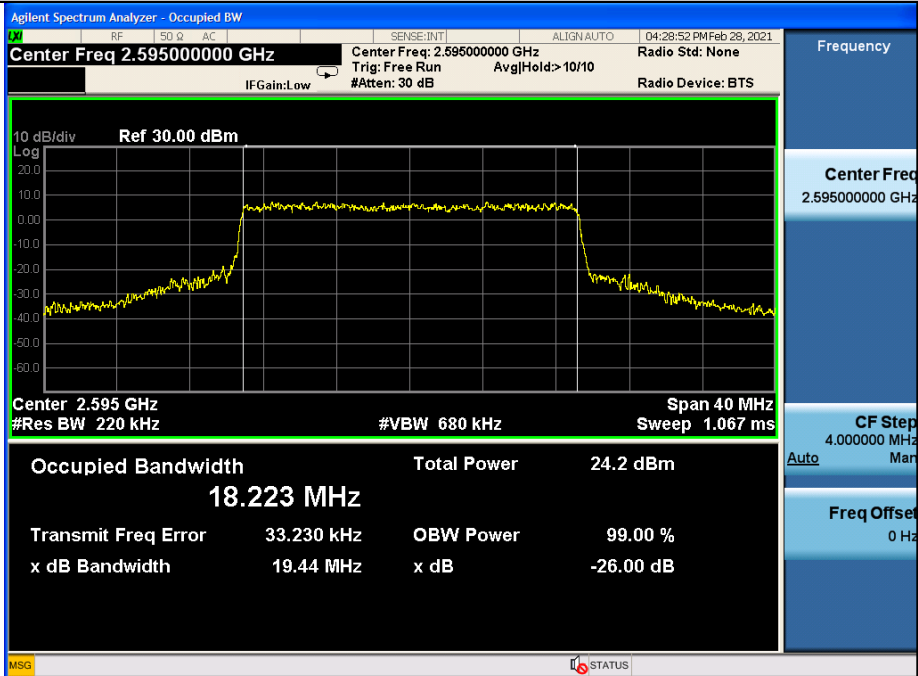


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OBW&EBW N38 30KHz TM5 20MHz 519000 Outer Full

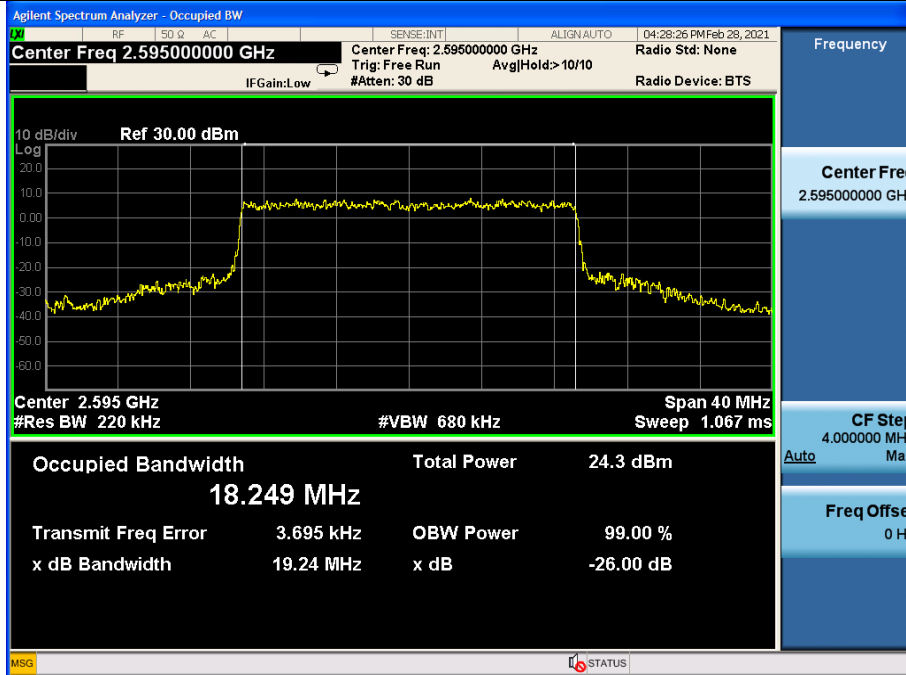


OBW&EBW N38 30KHz TM6 20MHz 519000 Outer Full

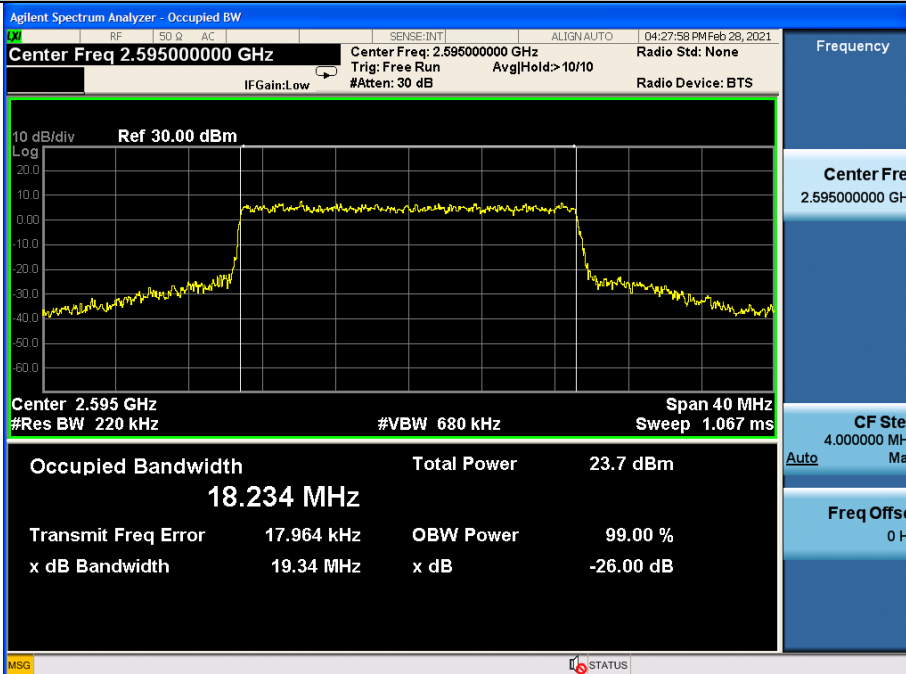


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OBW&EBW N38 30KHz TM7 20MHz 519000 Outer Full

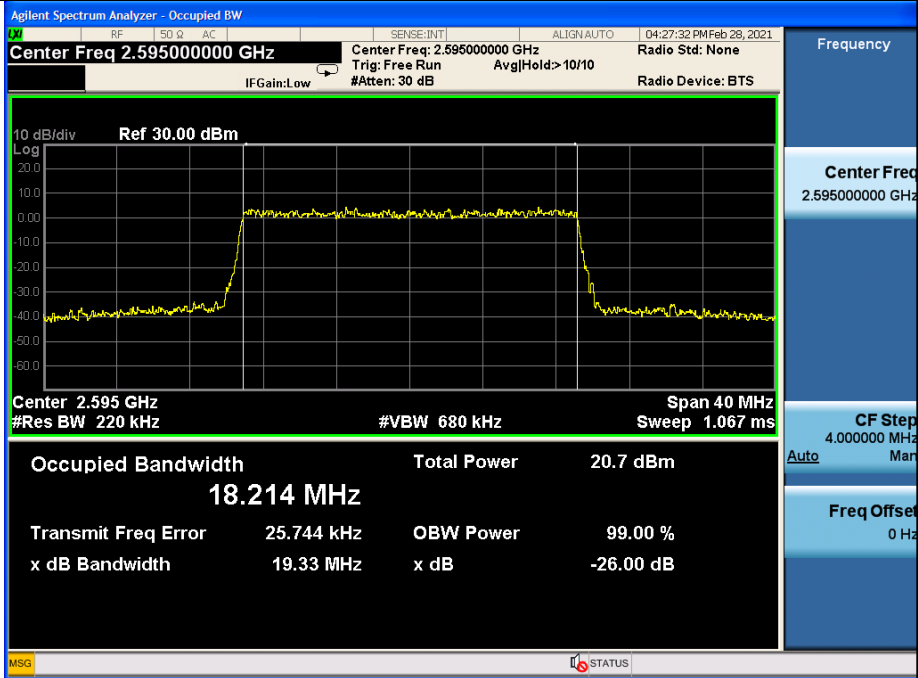


OBW&EBW N38 30KHz TM8 20MHz 519000 Outer Full

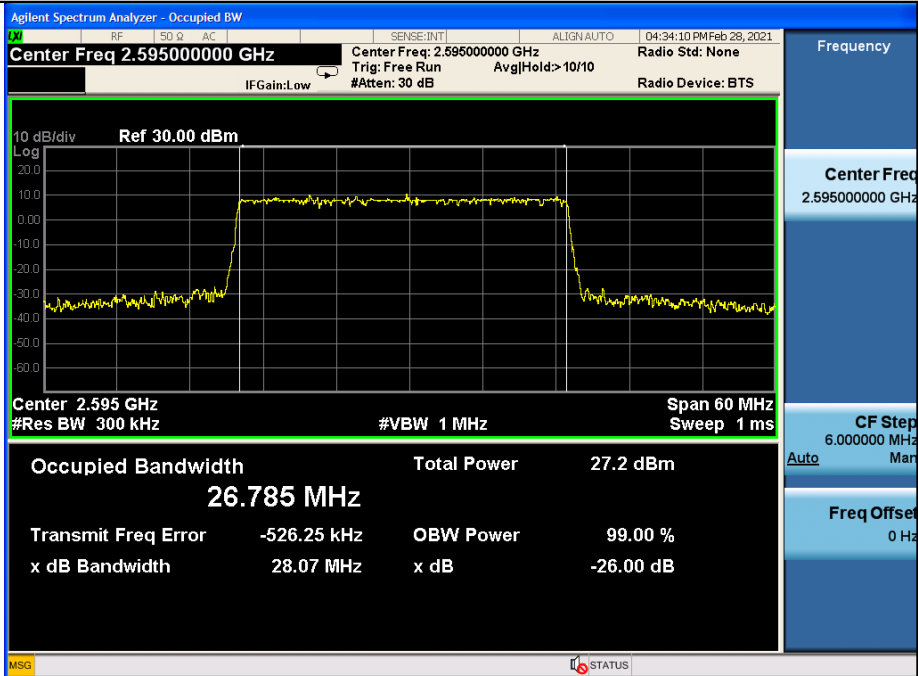


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OBW&EBW N38 30kHz TM9 20MHz 519000 Outer Full

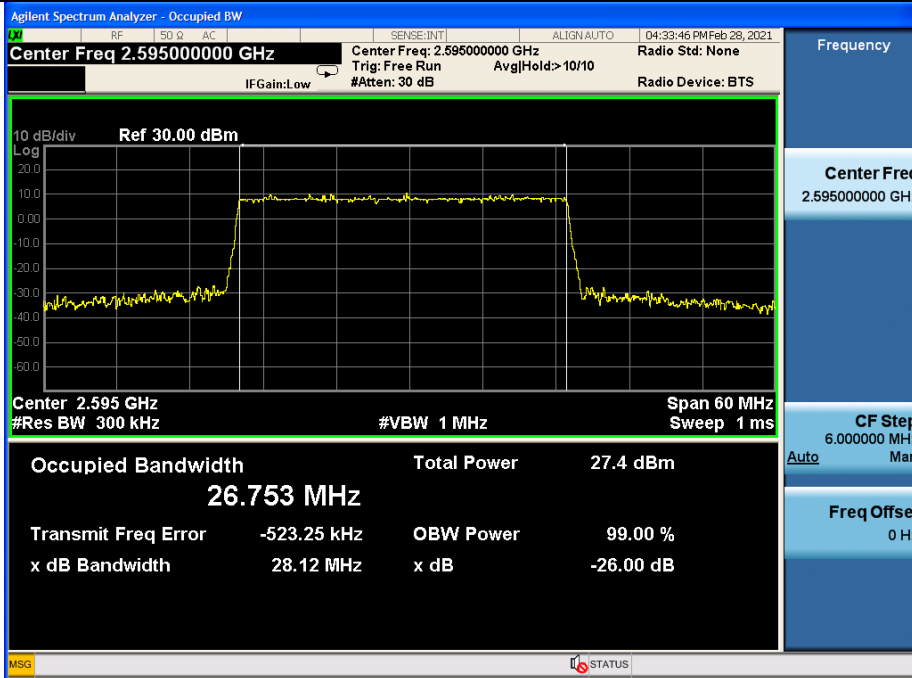


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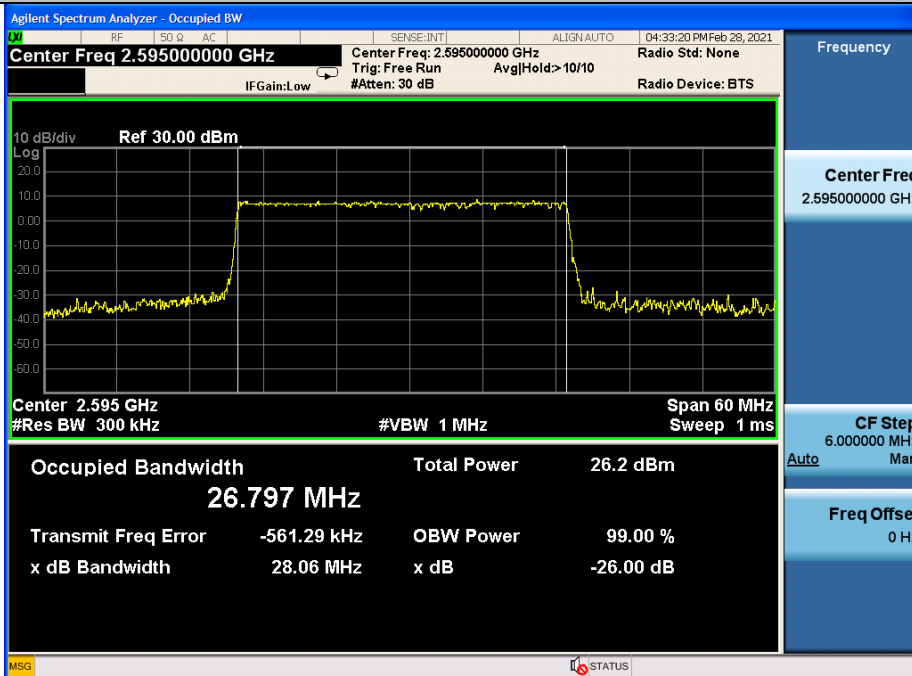


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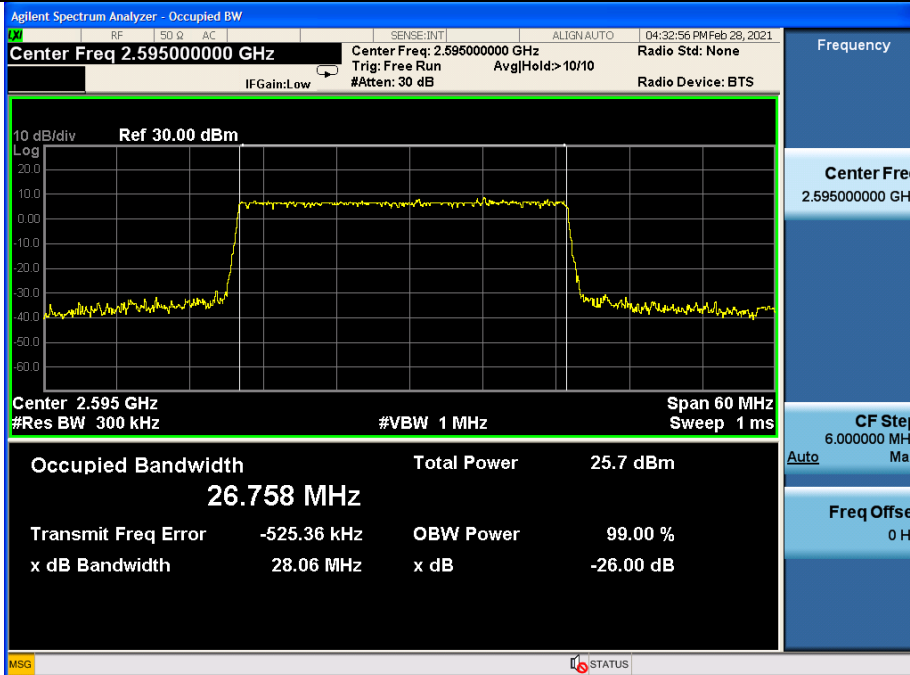


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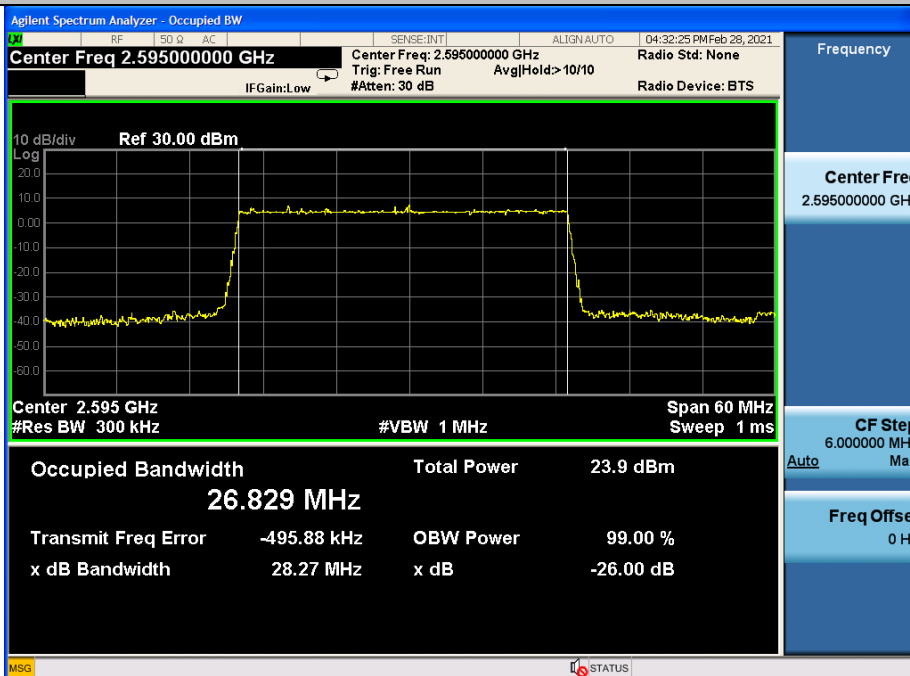


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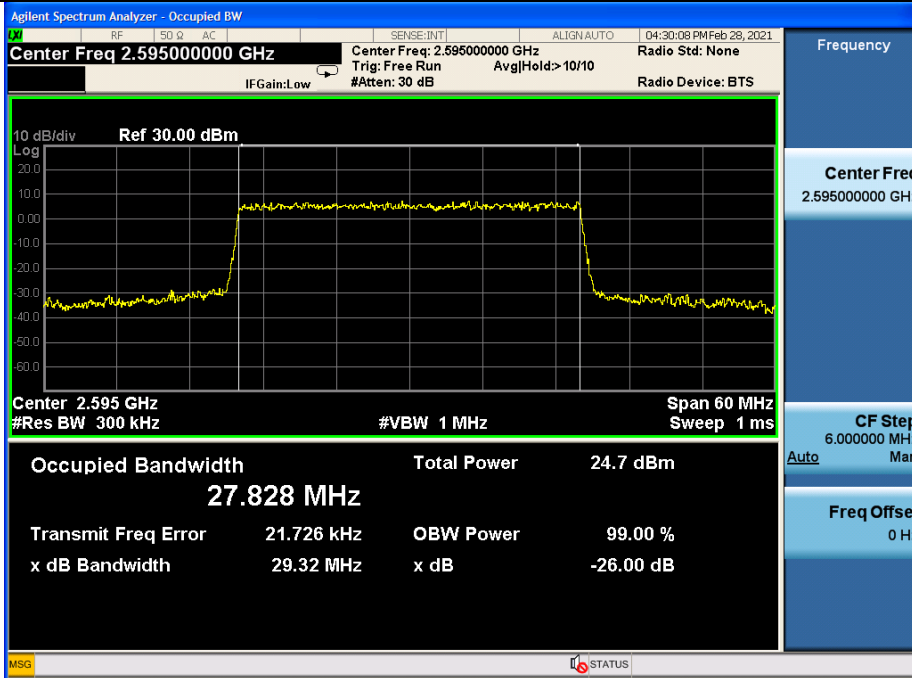
OBW&EBW N38 30KHz TM4 30MHz 519000 Outer Full



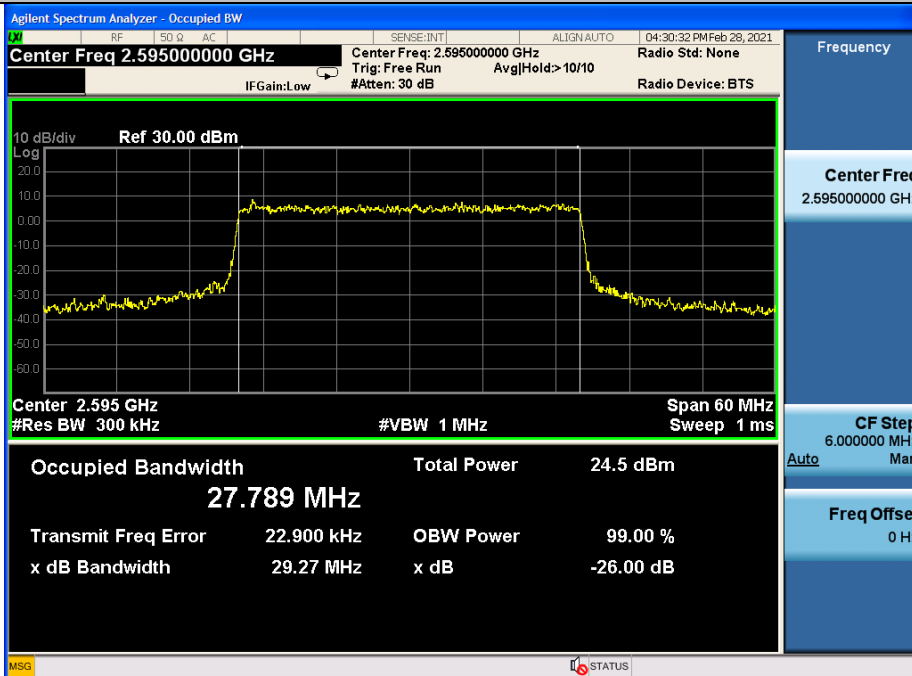
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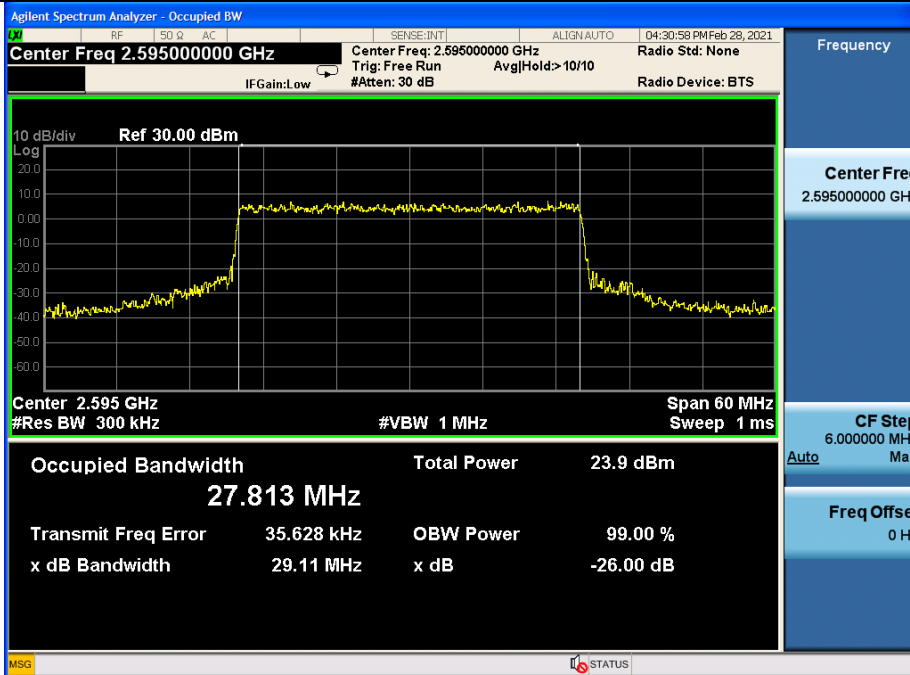
OBW&EBW N38 30KHz TM6 30MHz 519000 Outer Full



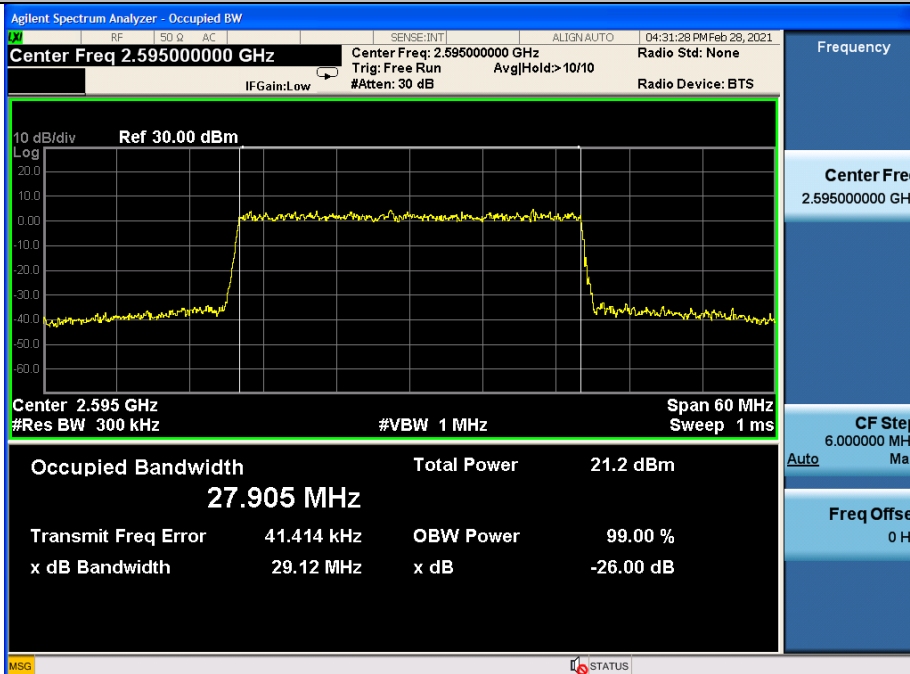
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OBW&EBW N38 30KHz TM8 30MHz 519000 Outer Full

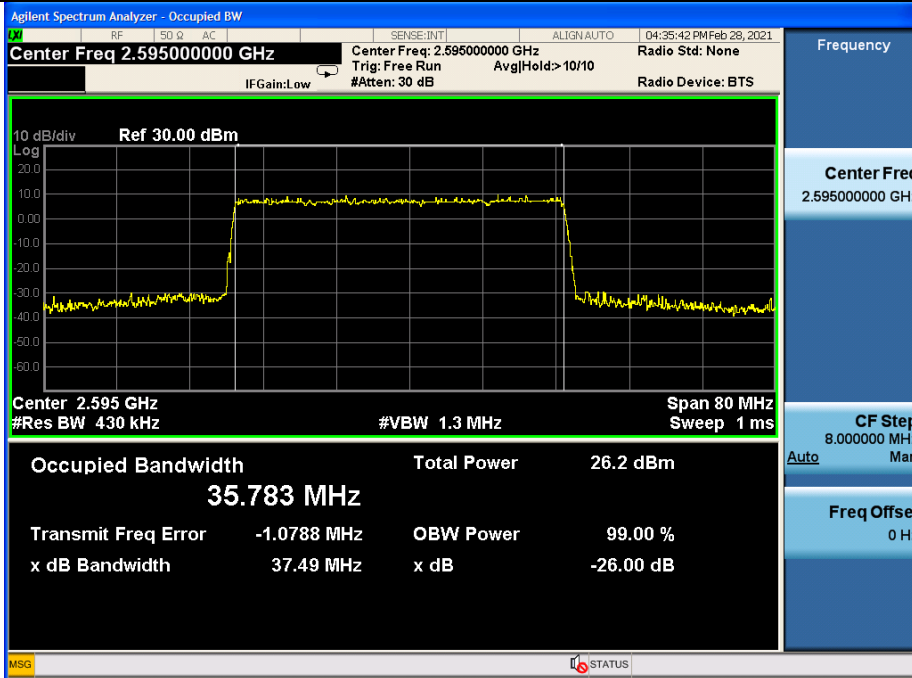


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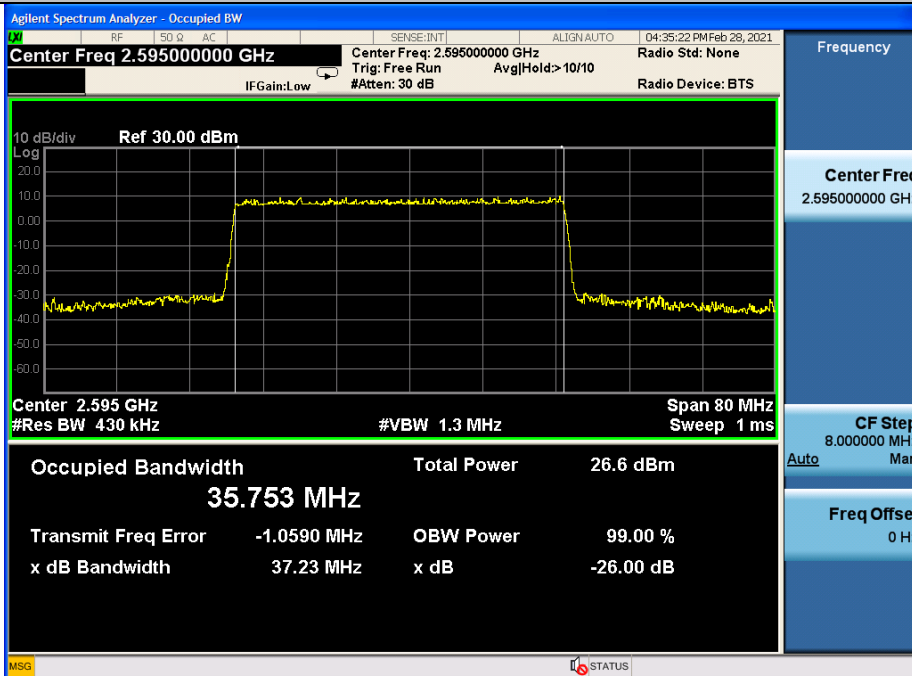


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OBW&EBW N38 30KHz TM1 40MHz 519000 Outer Full

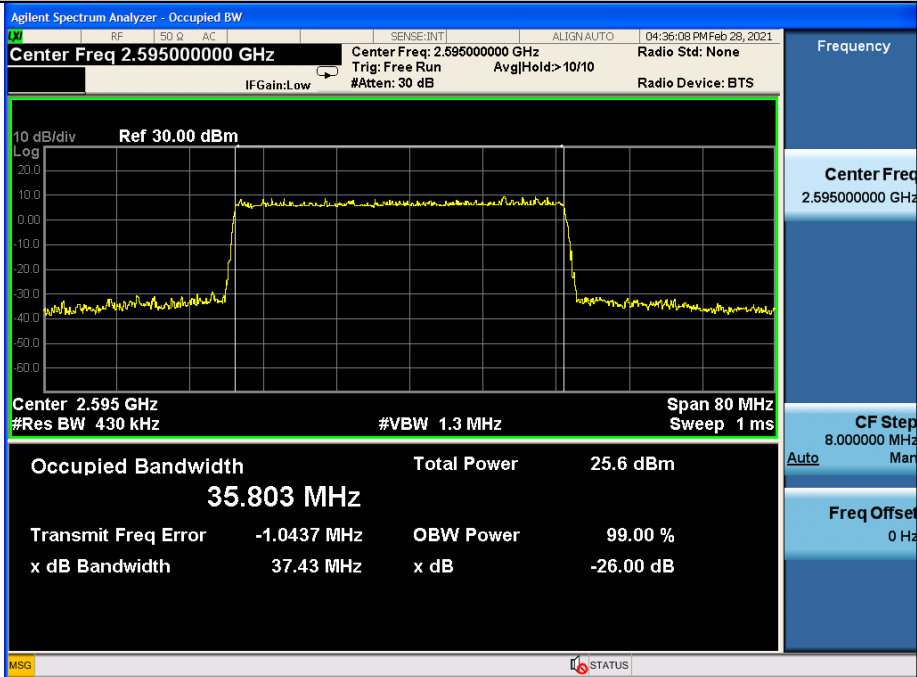


OBW&EBW N38 30KHz TM2 40MHz 519000 Outer Full

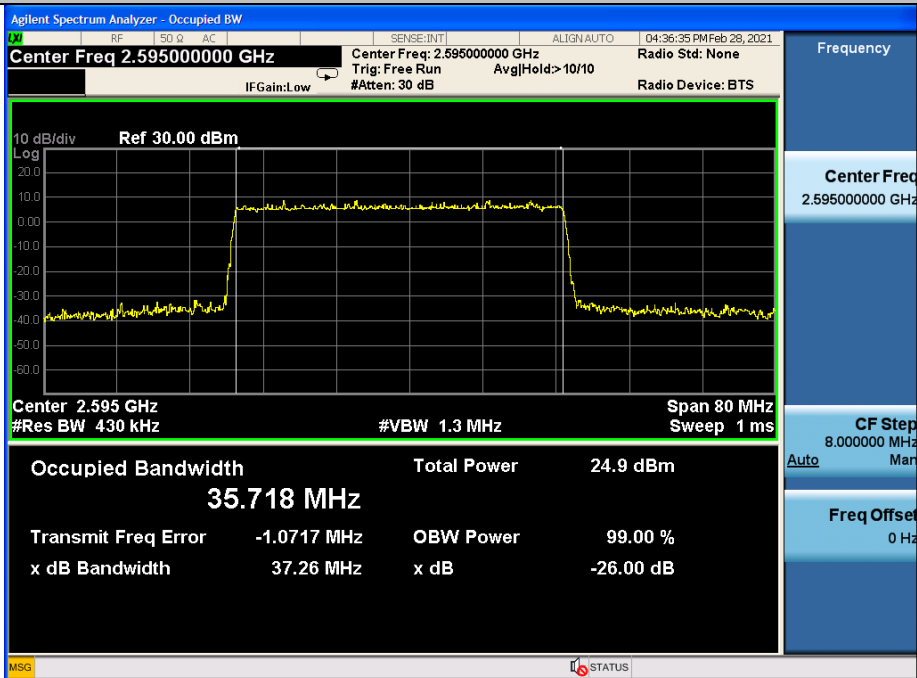


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OBW&EBW N38 30KHz TM3 40MHz 519000 Outer Full

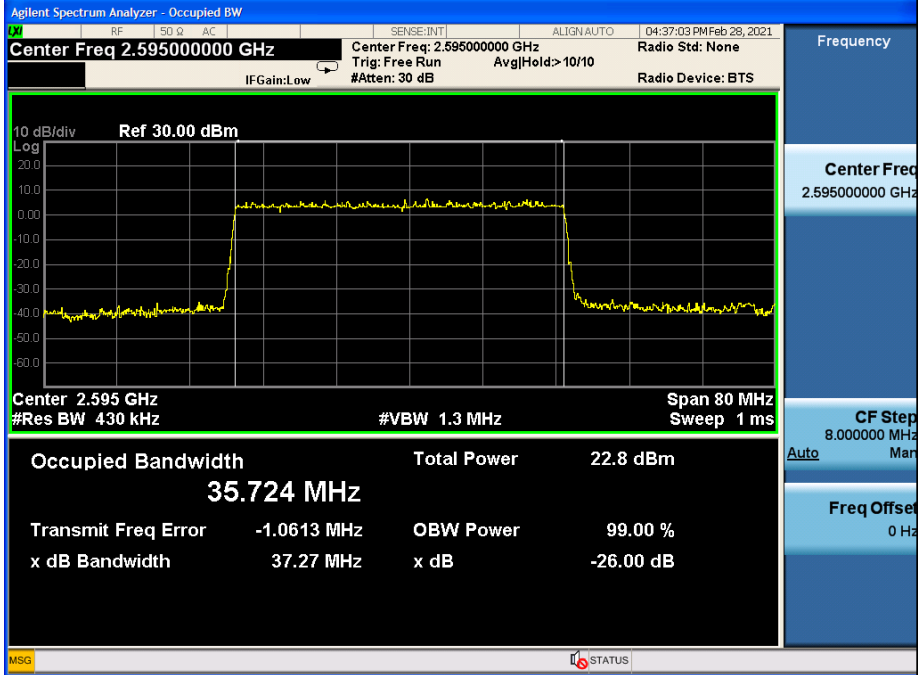


OBW&EBW N38 30KHz TM4 40MHz 519000 Outer Full

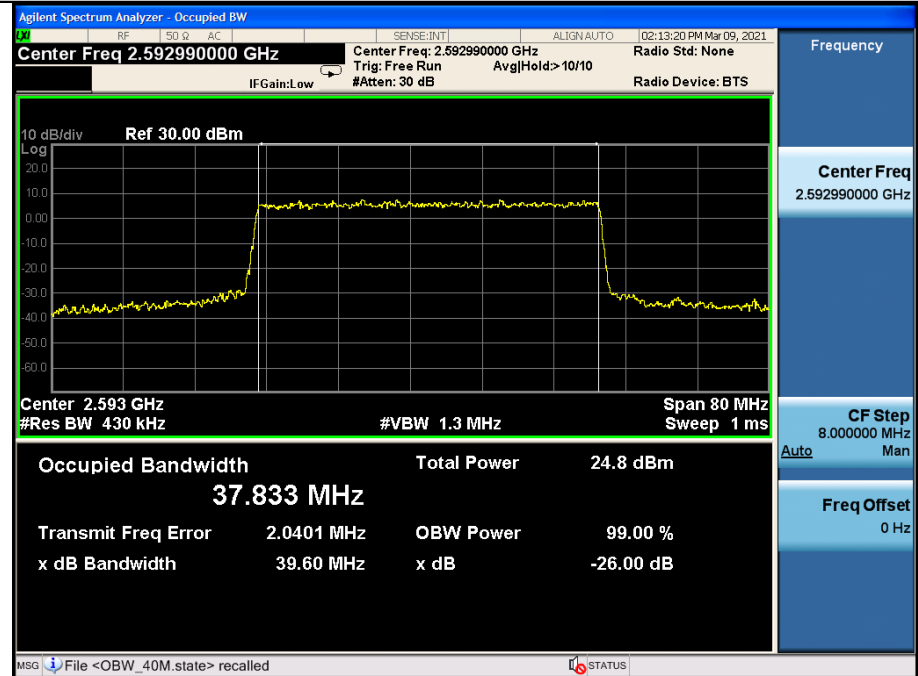


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OBW&EBW N38 30KHz TM5 40MHz 519000 Outer Full

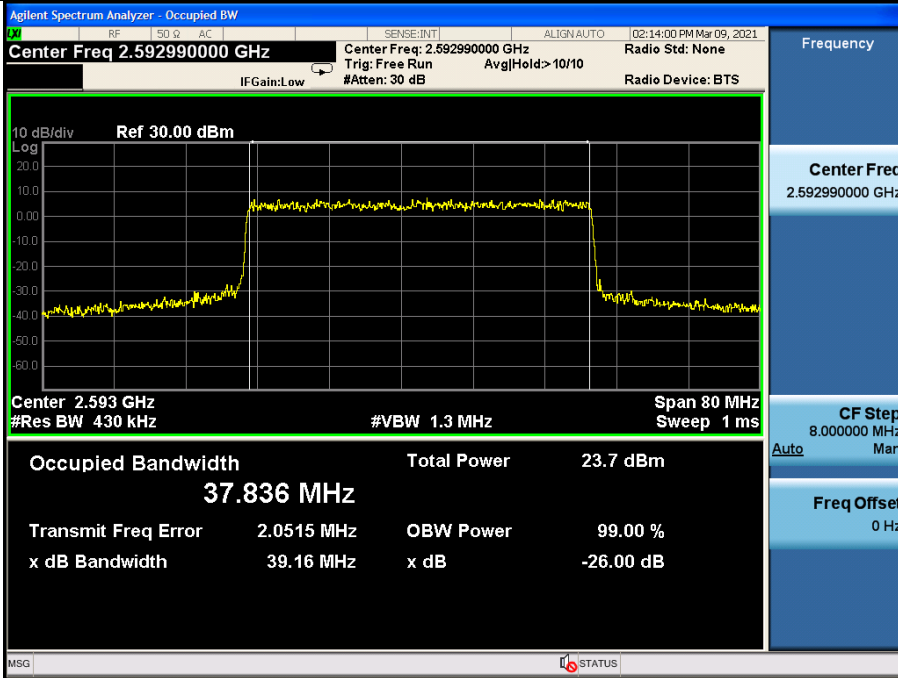


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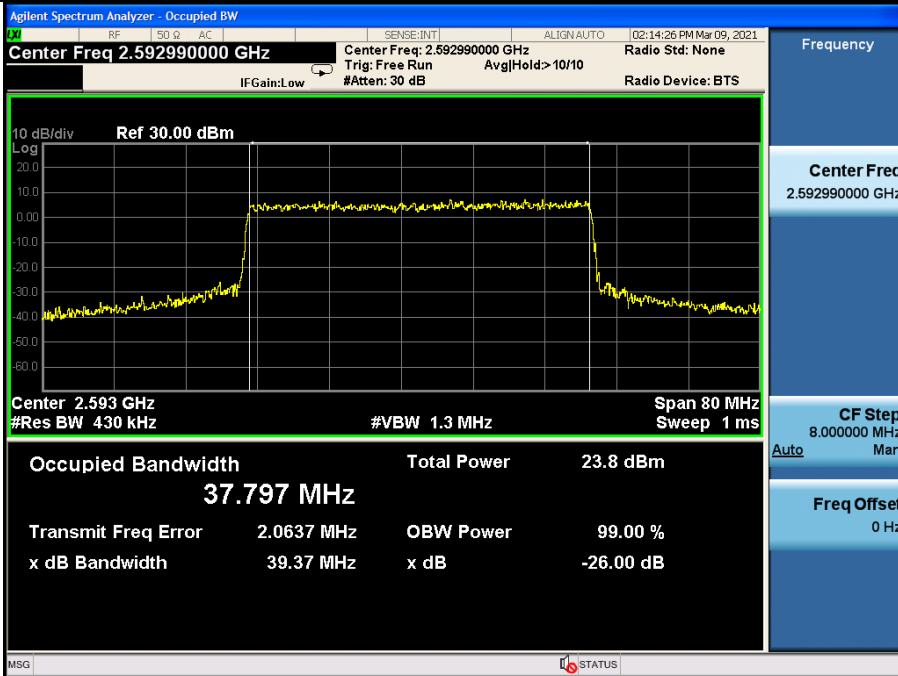


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OBW&EBW N38 30KHz TM7 40MHz 519000 Outer Full

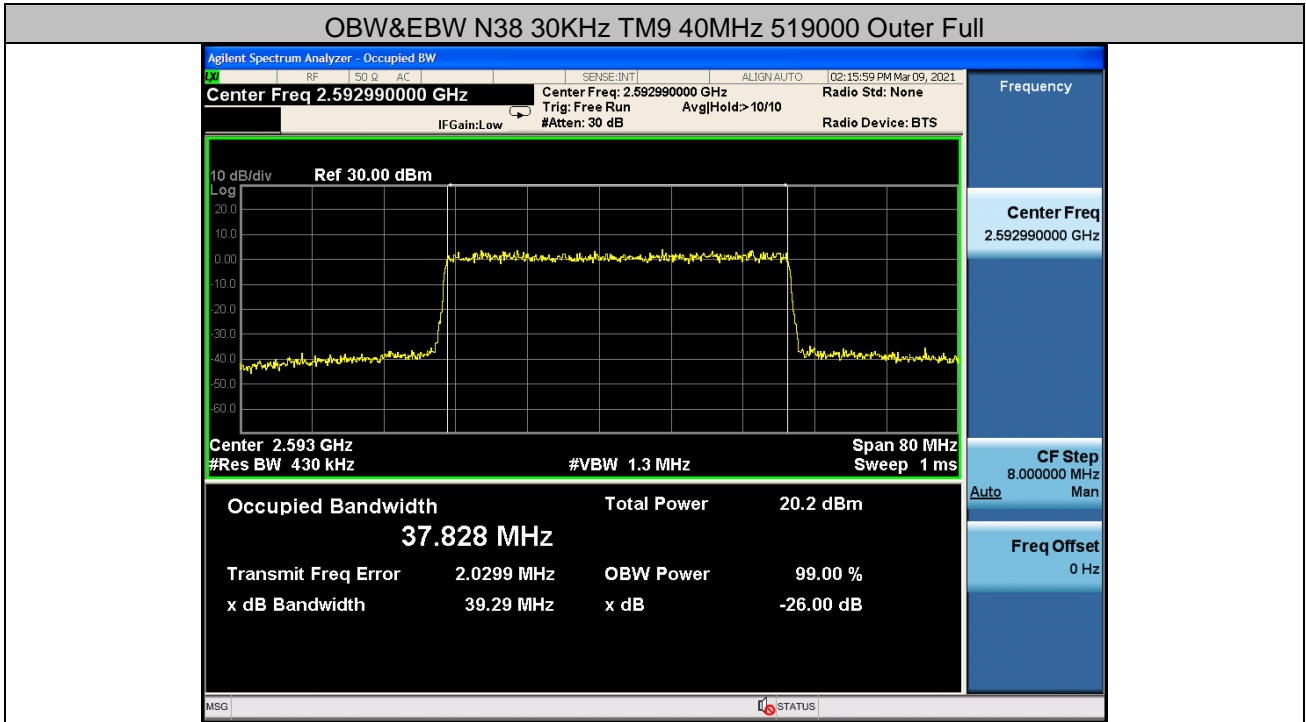


OBW&EBW N38 30KHz TM8 40MHz 519000 Outer Full



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REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report

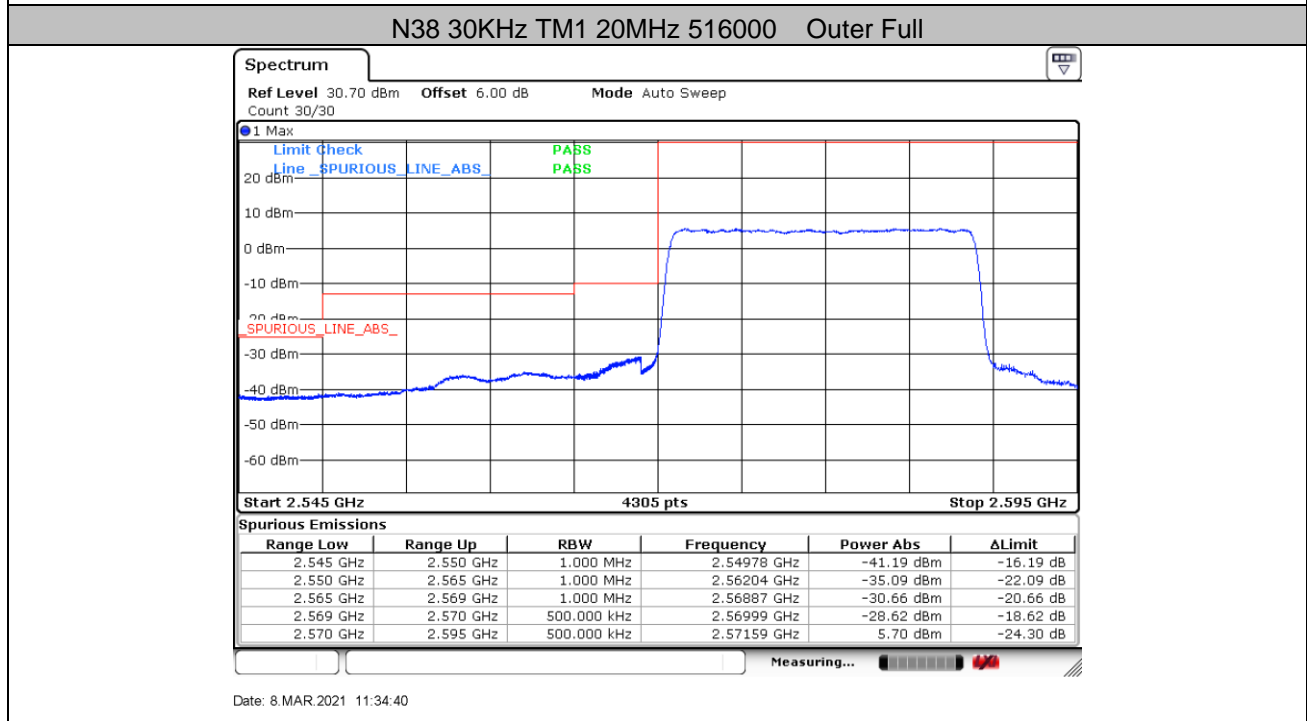
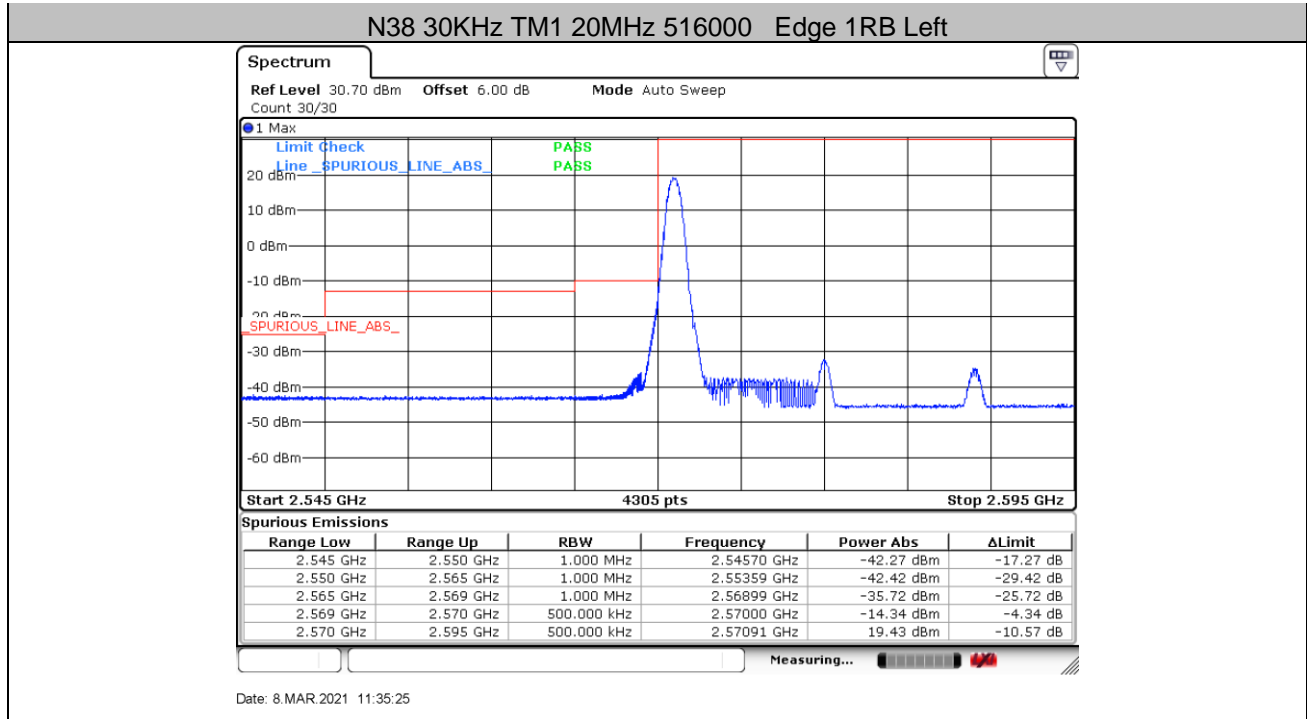


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5 Band Edges Compliance

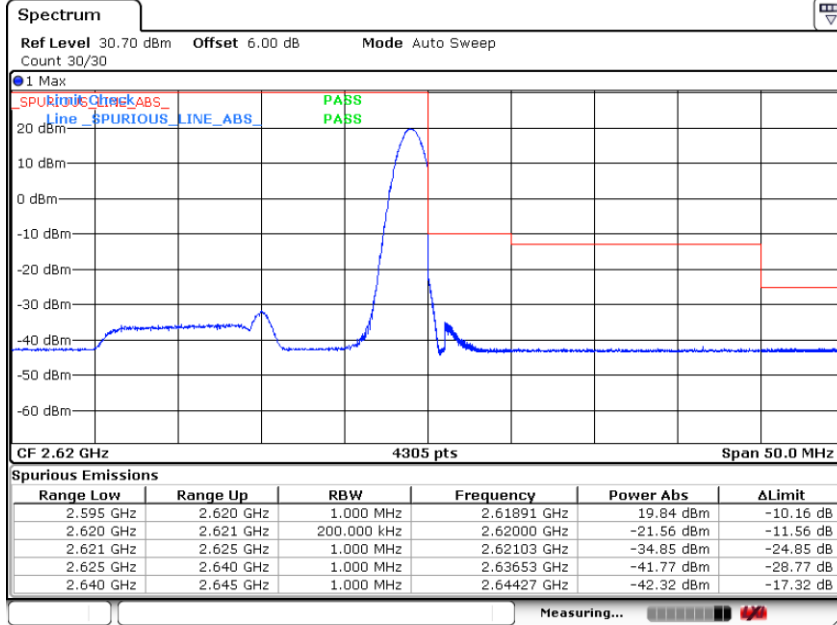
5.1 Test Plots



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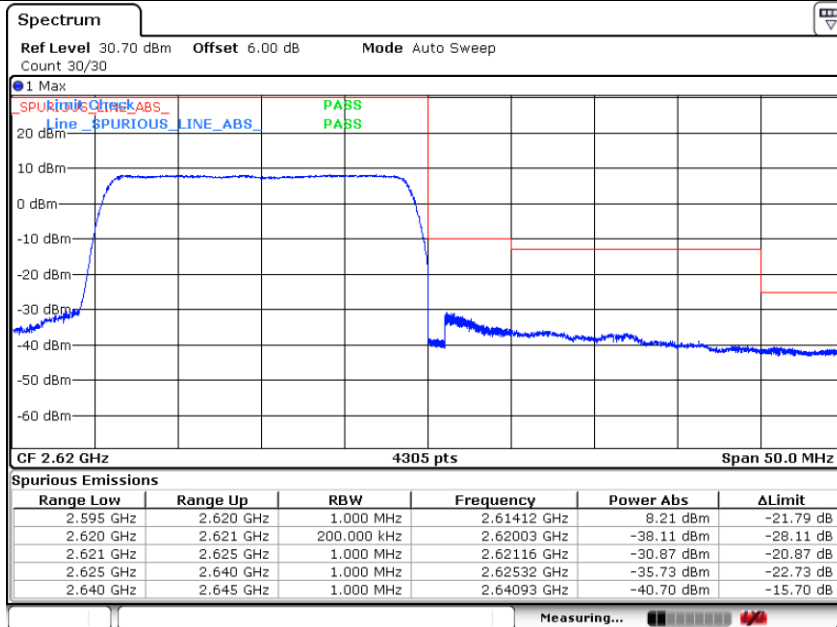
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N38 30KHz TM1 20MHz 522000 Edge 1RB Right



Date: 8.MAR.2021 11:52:21

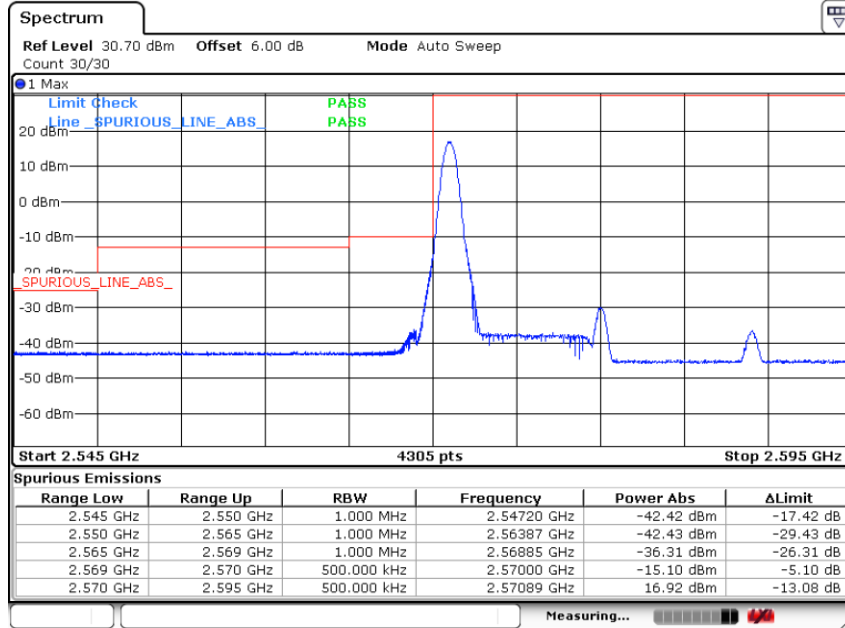
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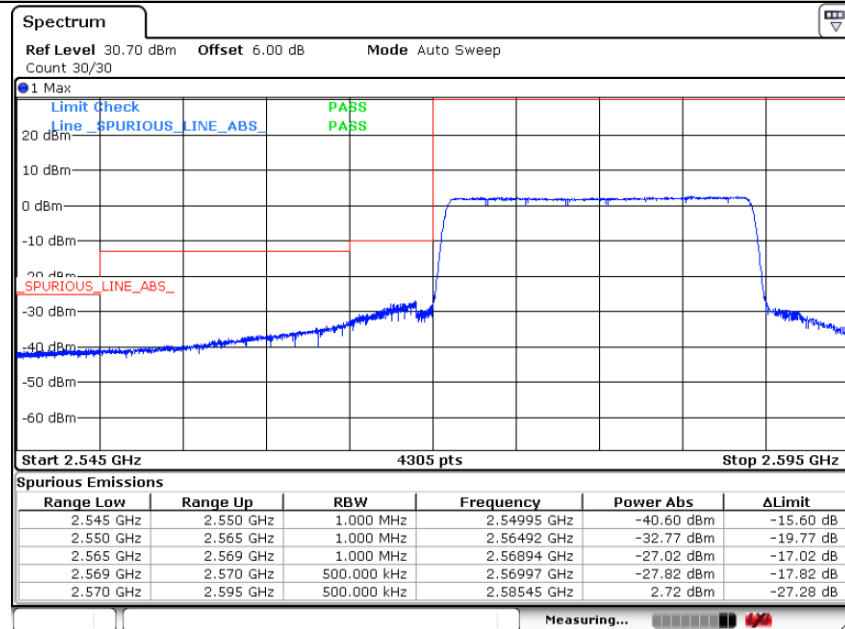


N38 30KHz TM6 20MHz 516000 Edge 1RB Left



Date: 8.MAR.2021 11:37:15

N38 30KHz TM6 20MHz 516000 Outer Full

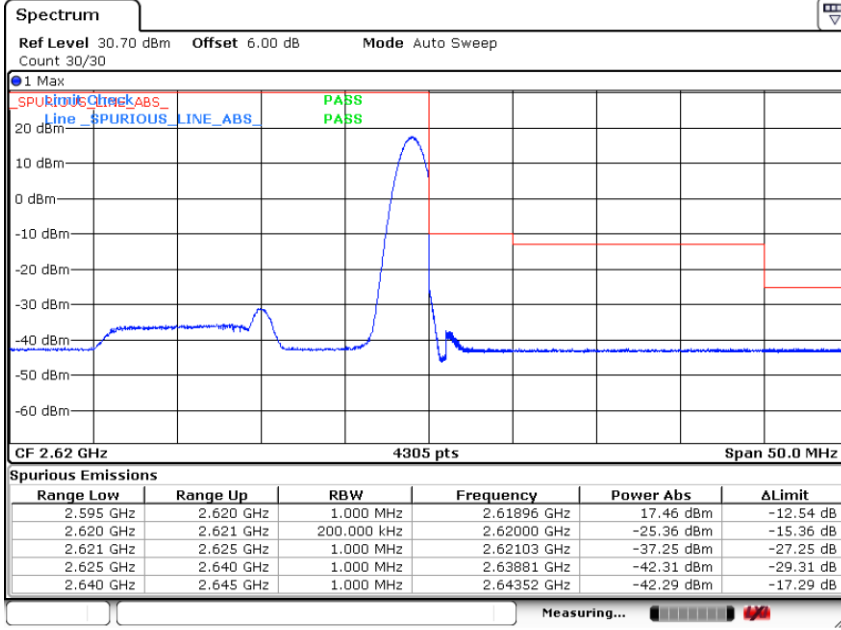


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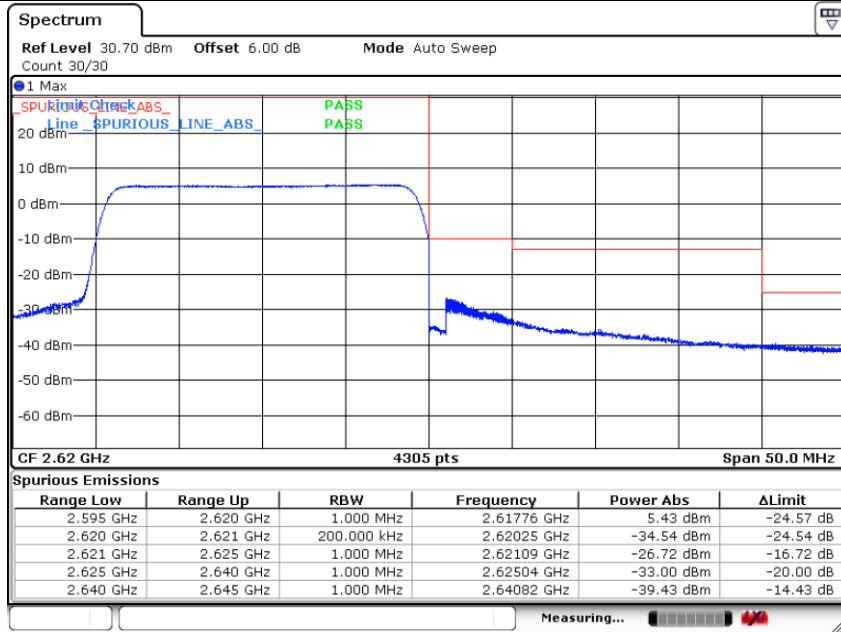
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N38 30KHz TM6 20MHz 522000 Edge 1RB Right



Date: 8.MAR.2021 11:53:37

N38 30KHz TM6 20MHz 522000 Outer Full

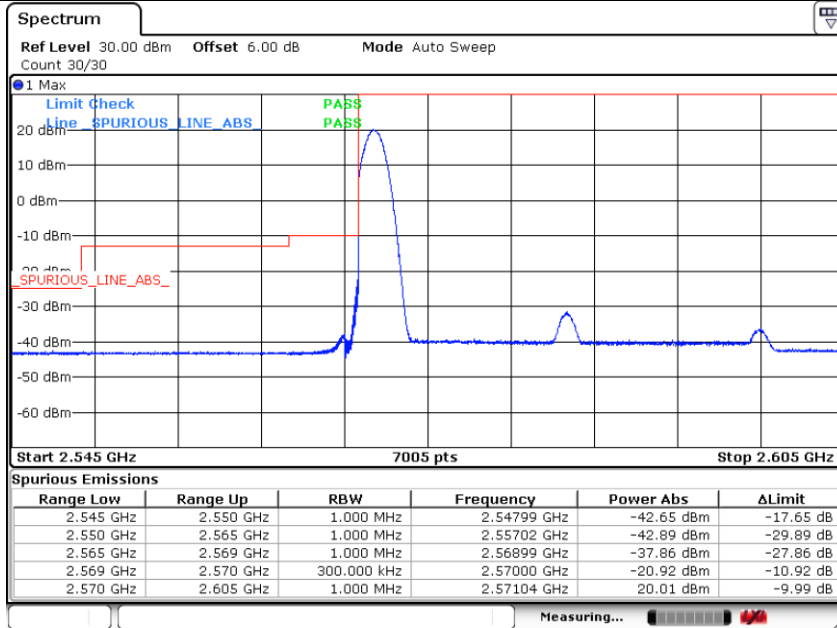


Date: 8.MAR.2021 11:54:29



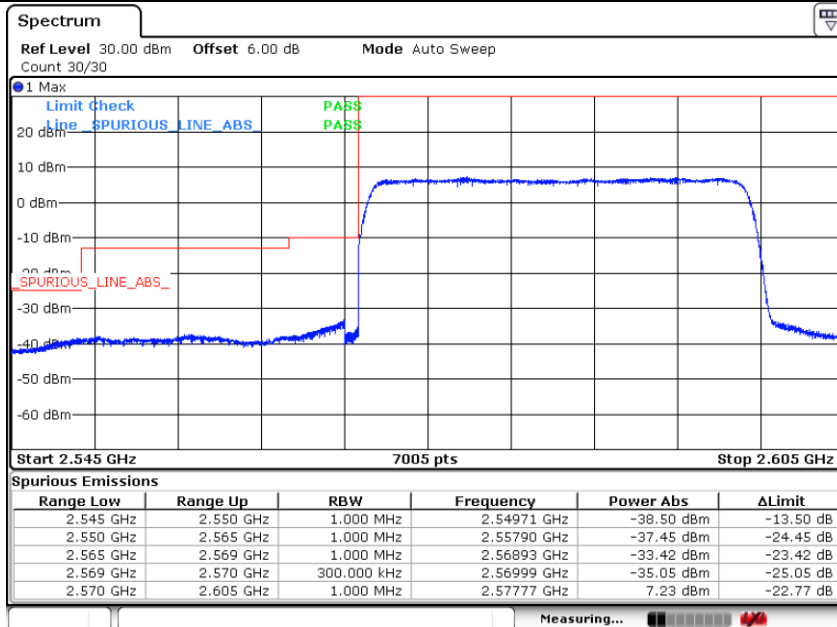
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N38 30KHz TM1 30MHz 517000 Edge 1RB Left



Date: 12.MAR.2021 10:09:12

N38 30KHz TM1 30MHz 517000 Outer Full



Date: 12.MAR.2021 10:10:21

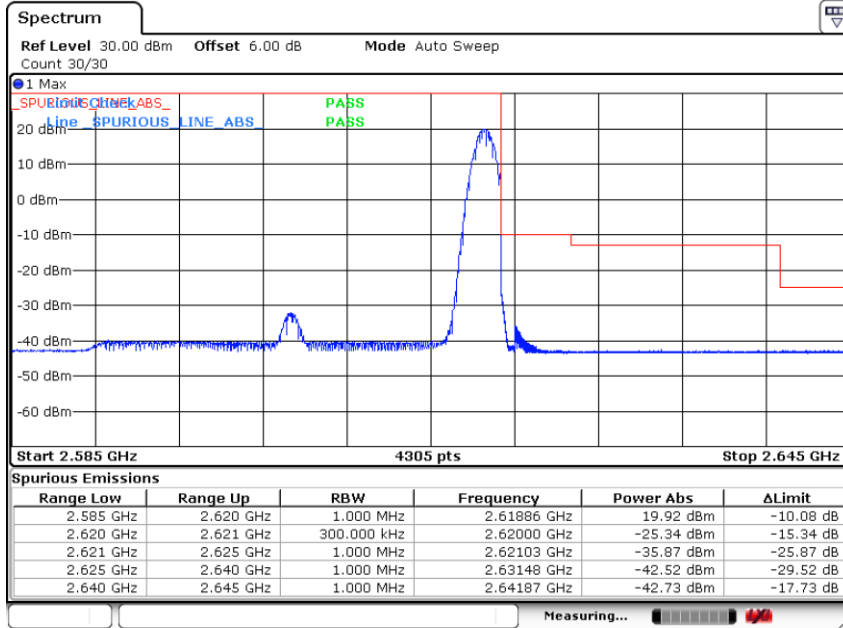


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Shenzhen Branch

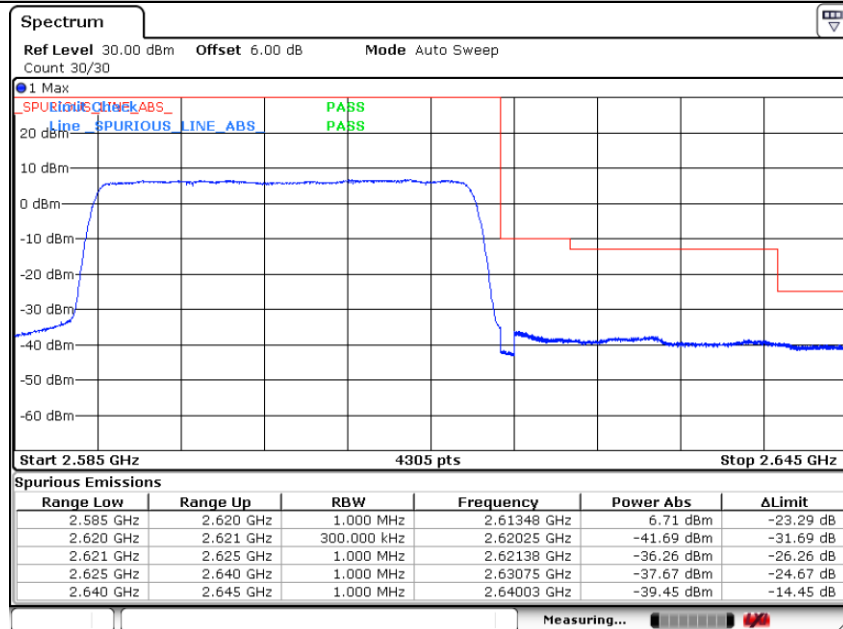
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38 30KHz TM1 30MHz 521000 Edge 1RB Right



Date: 12.MAR.2021 10:33:22

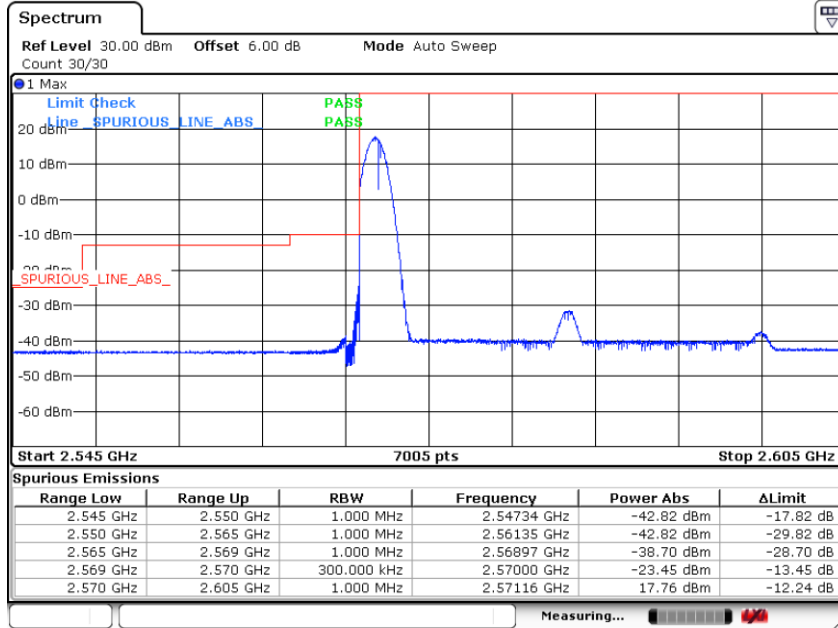
N38 30KHz TM1 30MHz 521000 Outer Full



Date: 12.MAR.2021 10:31:45

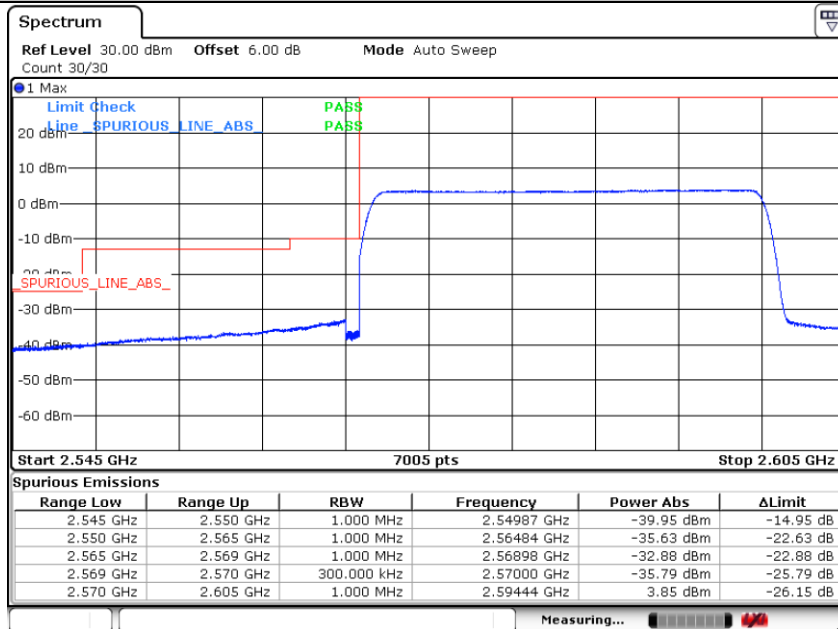


N38 30KHz TM6 30MHz 517000 Edge 1RB Left



Date: 12.MAR.2021 10:16:00

N38 30KHz TM6 30MHz 517000 Outer Full

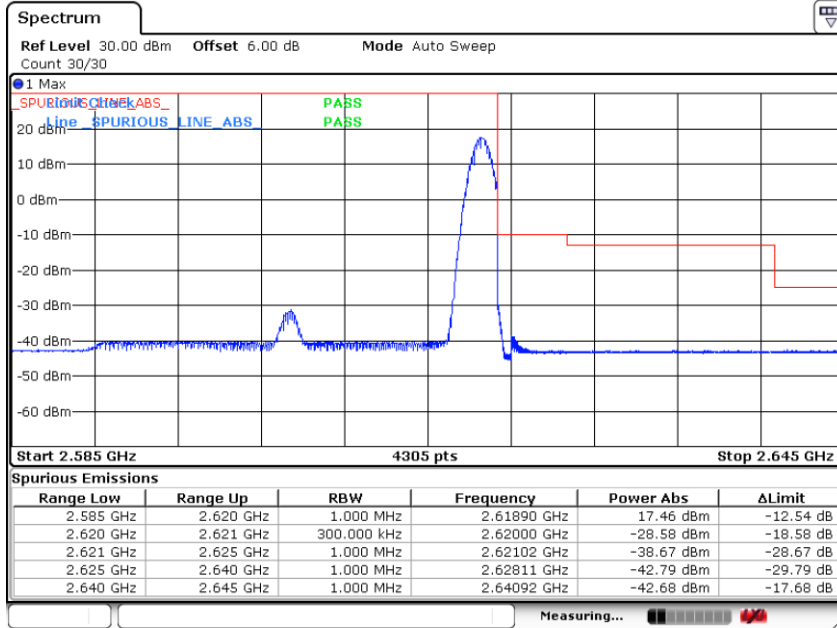


Date: 12.MAR.2021 10:14:02



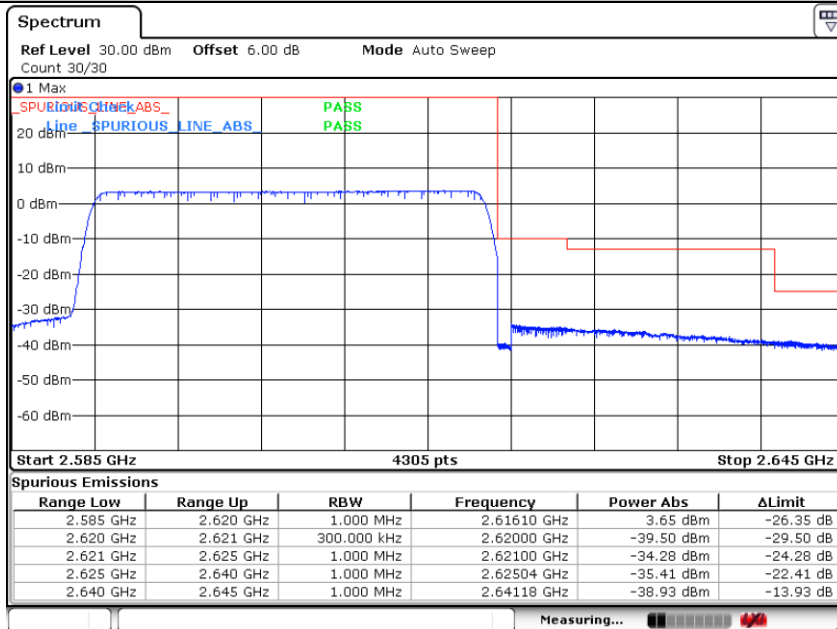
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N38 30KHz TM6 30MHz 521000 Edge 1RB Right



Date: 12.MAR.2021 10:35:30

N38 30KHz TM6 30MHz 521000 Outer Full

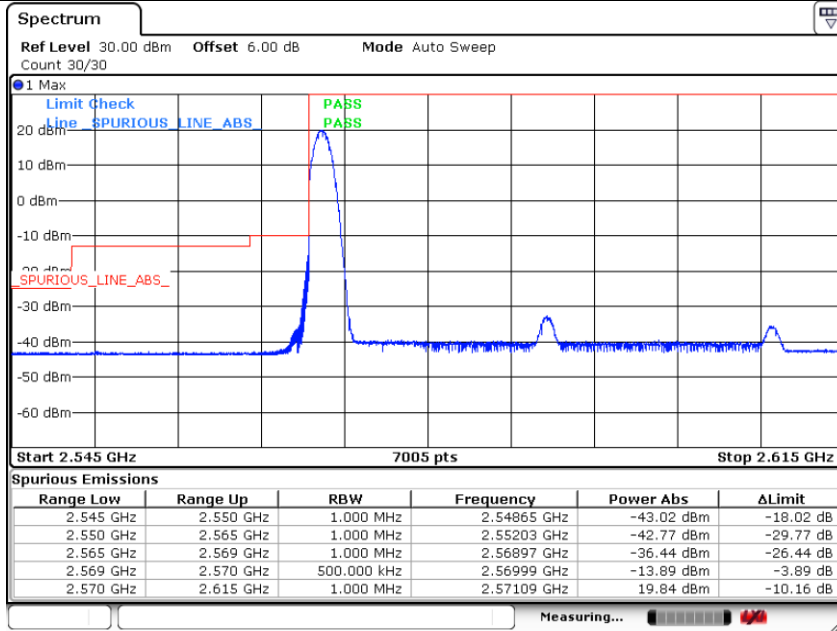


Date: 12.MAR.2021 10:36:57



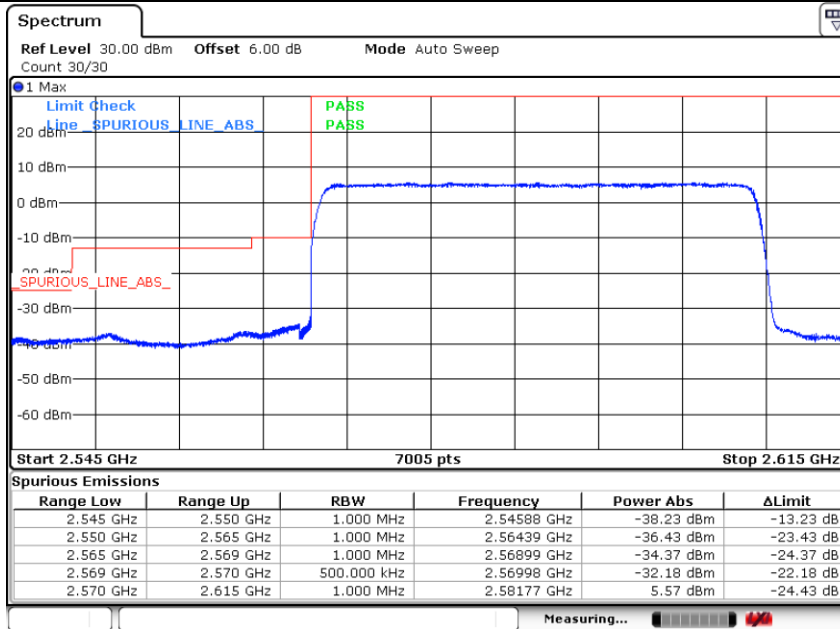
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N38 30KHz TM1 40MHz 518000 Edge 1RB Left



Date: 12.MAR.2021 10:26:51

N38 30KHz TM1 40MHz 518000 Outer Full

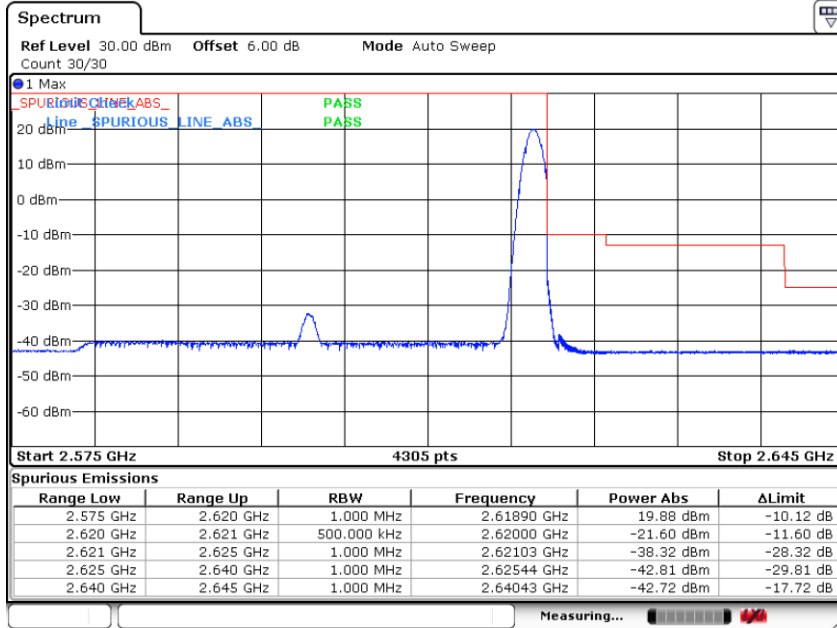


Date: 12.MAR.2021 10:26:03



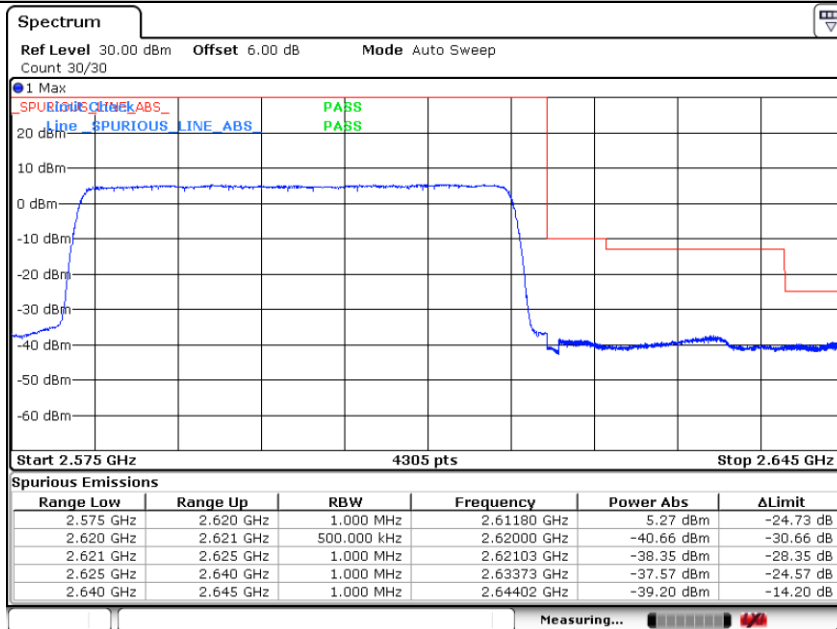
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N38 30KHz TM1 40MHz 520000 Edge 1RB Right



Date: 12.MAR.2021 11:08:31

N38 30KHz TM1 40MHz 520000 Outer Full

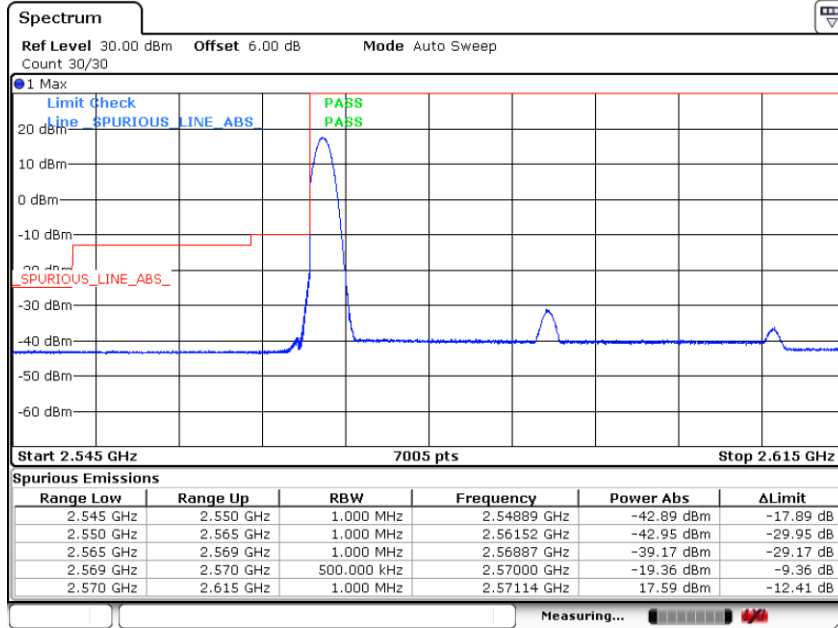


Date: 12.MAR.2021 11:07:05



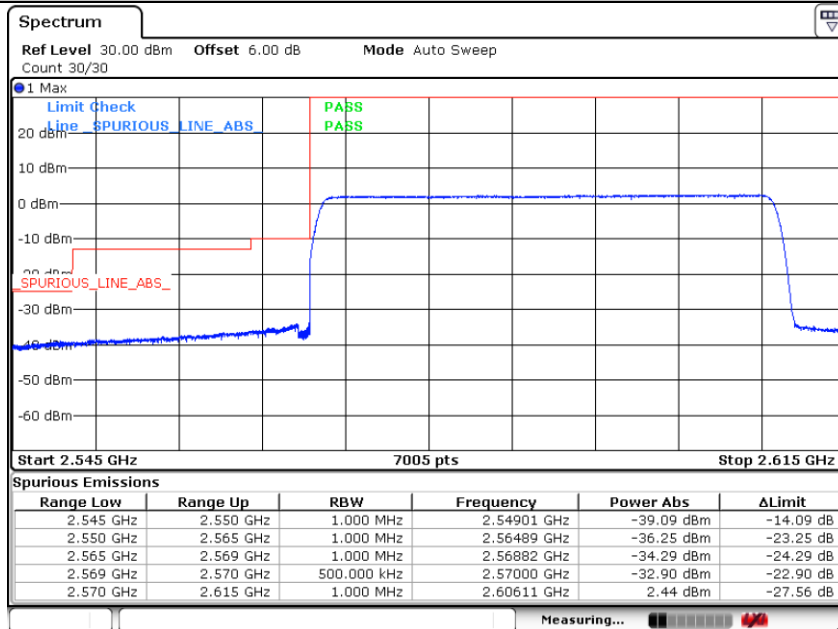
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N38 30KHz TM6 40MHz 518000 Edge 1RB Left



Date: 12.MAR.2021 10:22:19

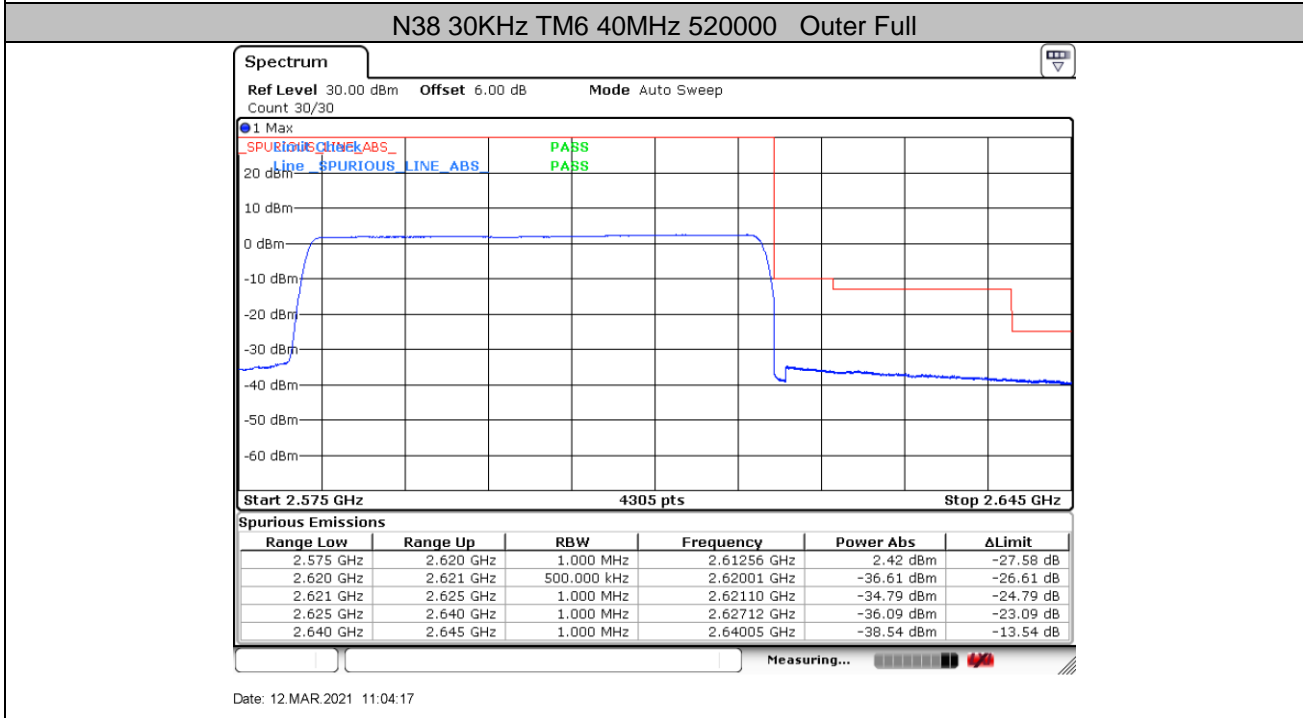
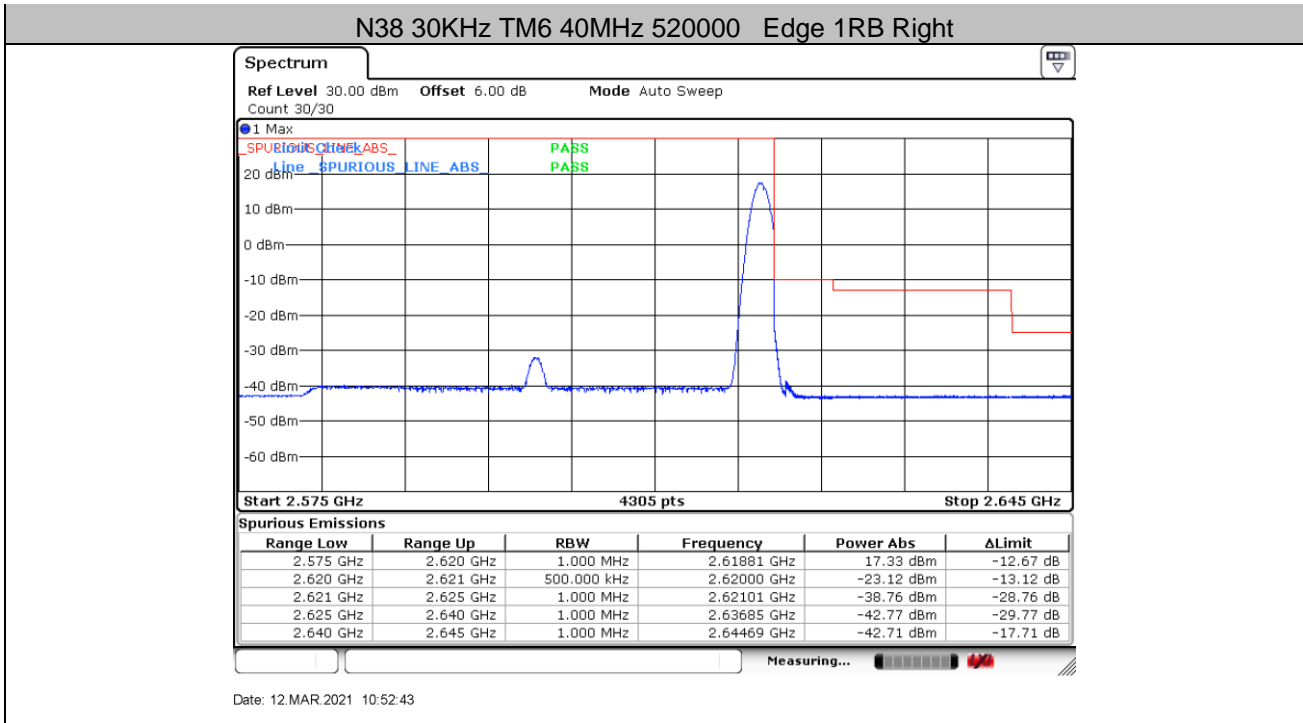
N38 30KHz TM6 40MHz 518000 Outer Full



Date: 12.MAR.2021 10:23:55



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REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



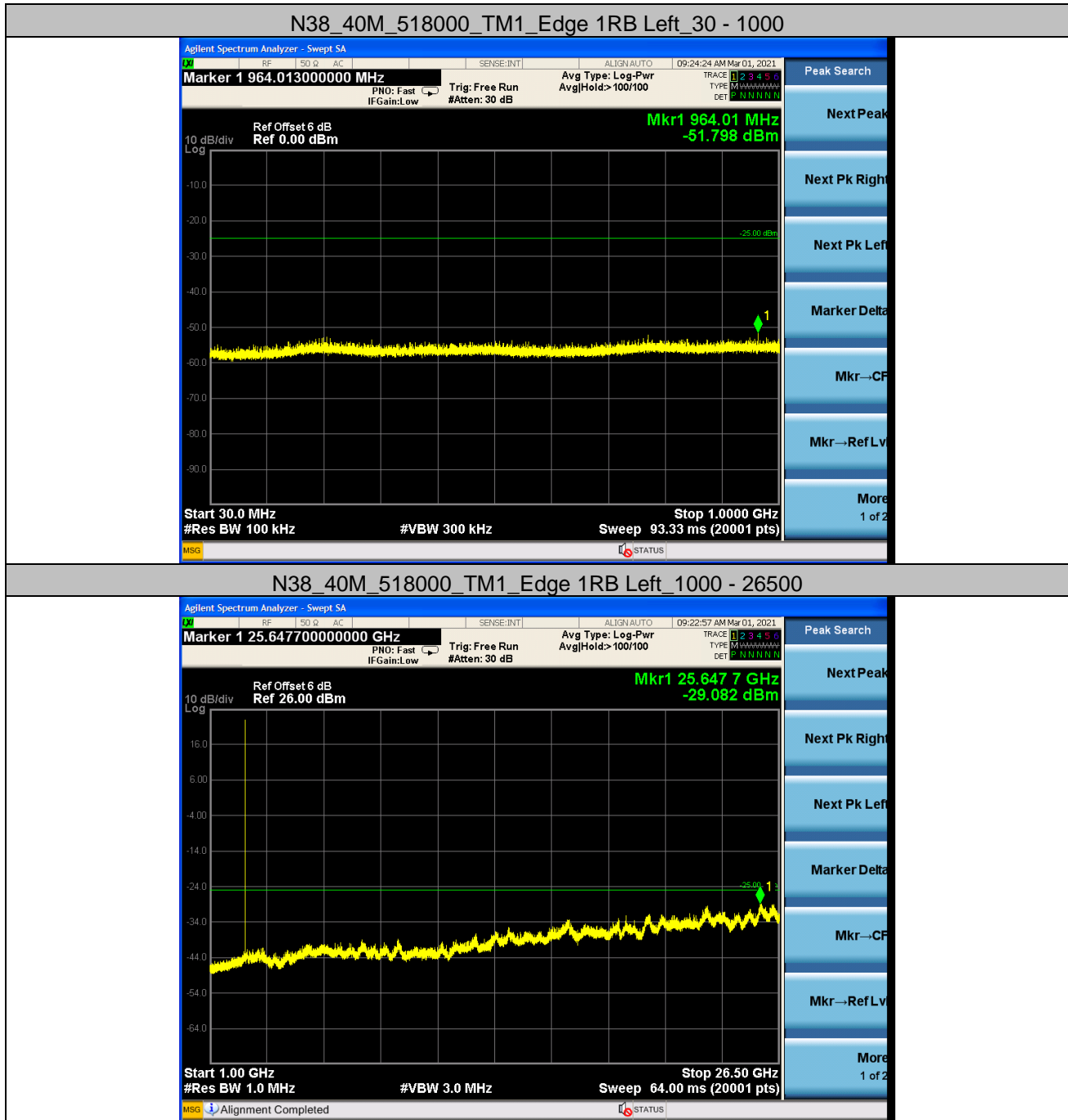
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6 Spurious Emission at Antenna Terminal

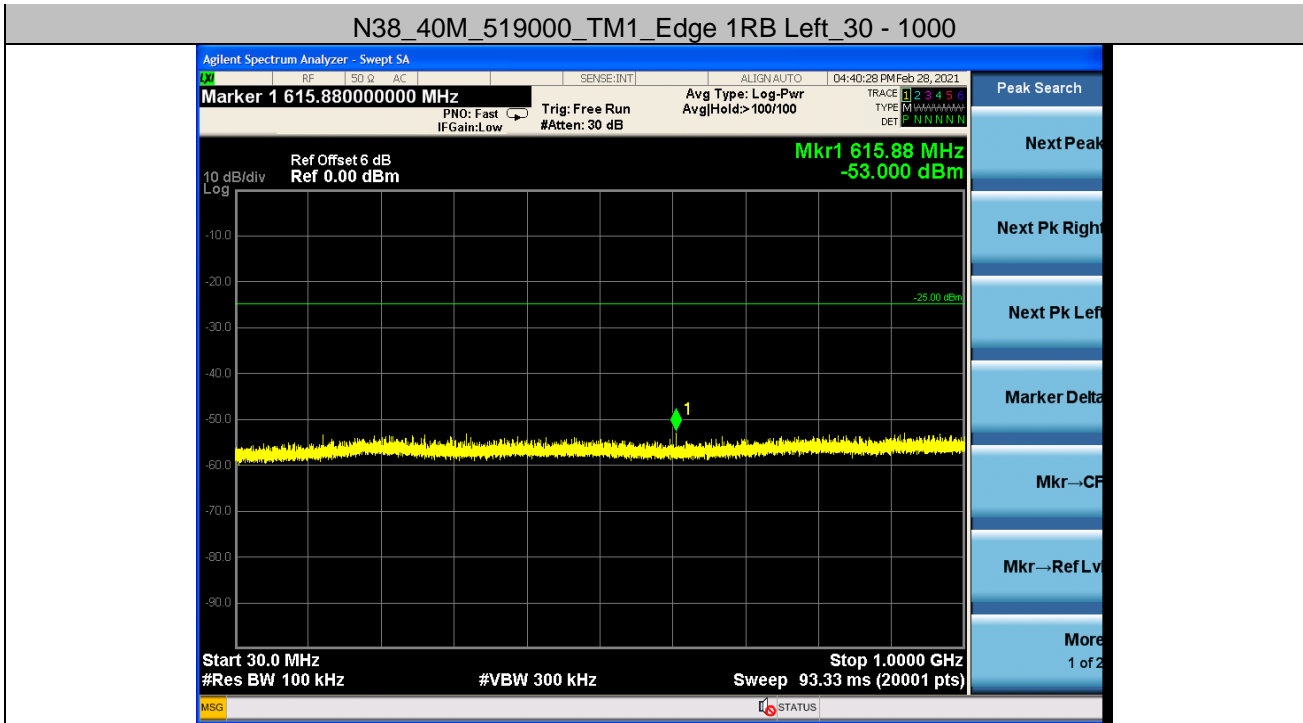
REMARK: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrow Band signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

6.1 Test Plots

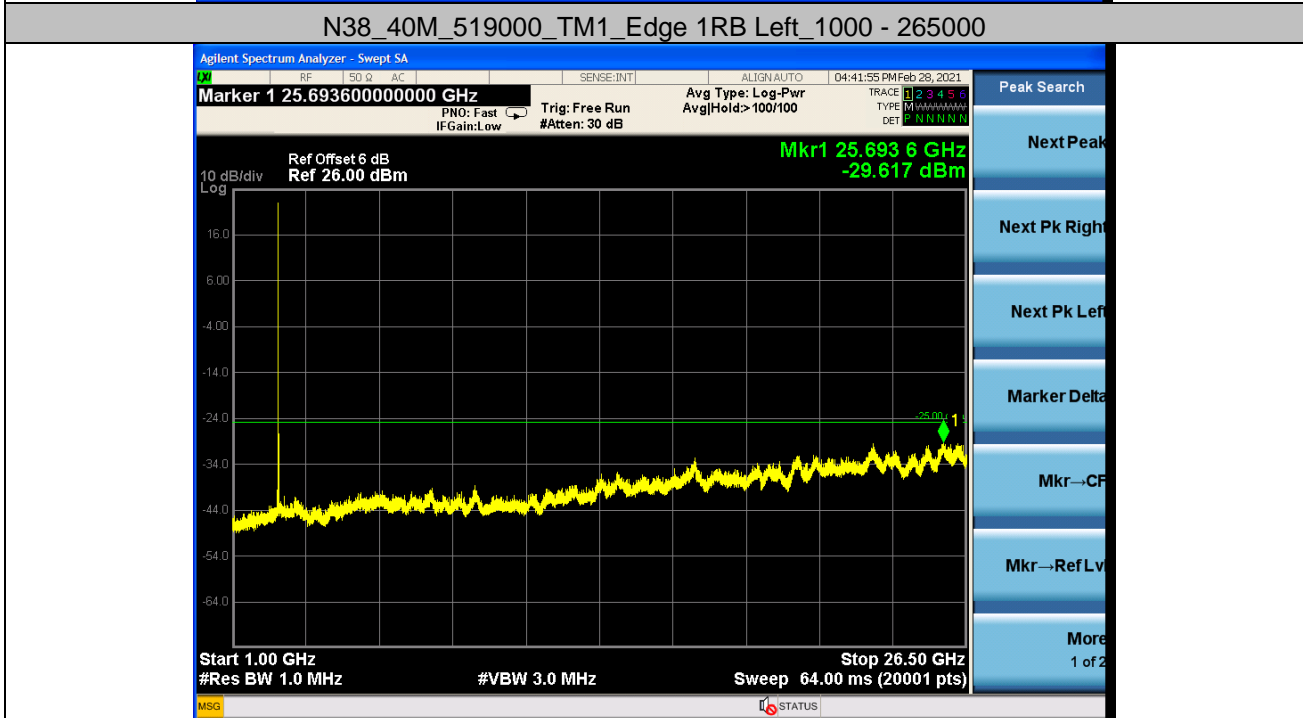


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N38_40M_519000_TM1_Edge 1RB Left_30 - 1000



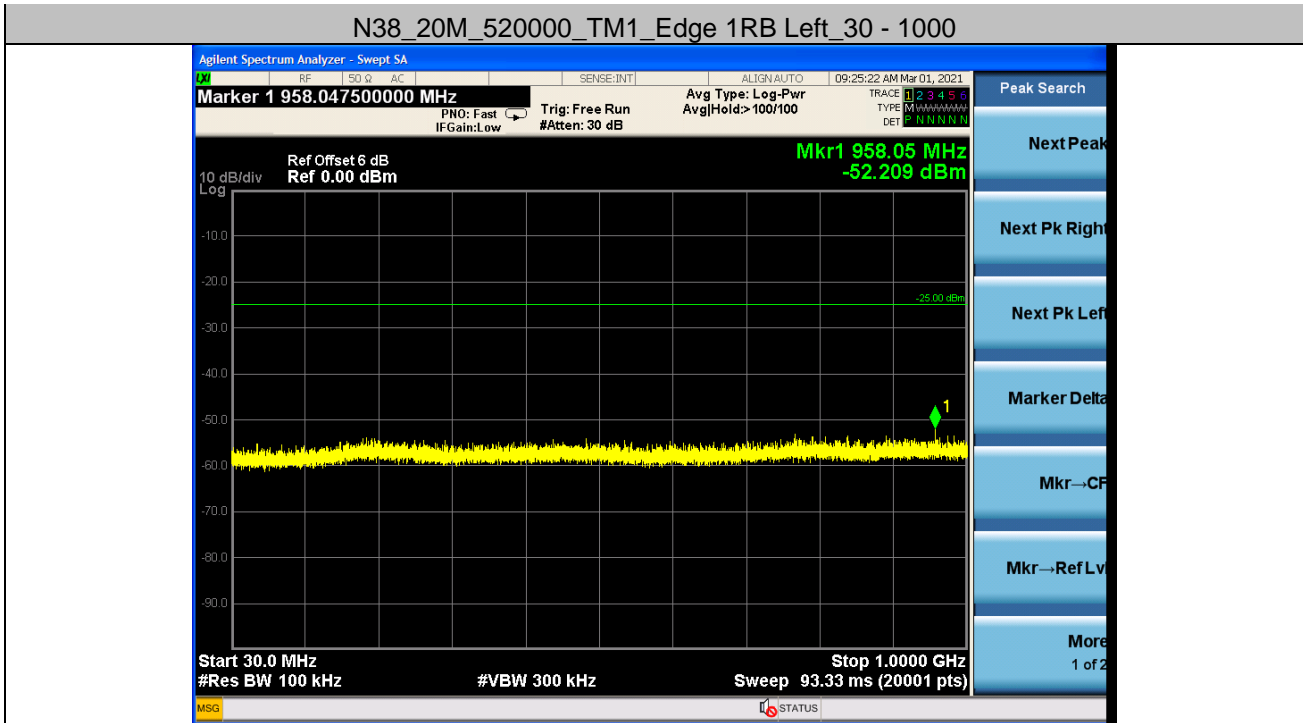
N38_40M_519000_TM1_Edge 1RB Left_1000 - 265000



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N38_20M_520000_TM1_Edge 1RB Left_30 - 1000



N38_20M_520000_TM1_Edge 1RB Left_1000 - 26500



REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



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7 Field Strength of Spurious Radiation

7.1 Test Band = N38

7.1.1 Test Mode = 40MHz _TM 1

7.1.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 40.4275 | -73.92 | -25.00 | 48.92 | Vertical |
| 73.8925 | -69.69 | -25.00 | 44.69 | Vertical |
| 184.9575 | -77.42 | -25.00 | 52.42 | Vertical |
| 1997.1499 | -52.83 | -25.00 | 27.83 | Vertical |
| 5157.8579 | -52.54 | -25.00 | 27.54 | Vertical |
| 17854.4927 | -37.21 | -25.00 | 12.21 | Vertical |
| 40.9125 | -77.60 | -25.00 | 52.60 | Horizontal |
| 88.4425 | -77.24 | -25.00 | 52.24 | Horizontal |
| 161.9200 | -76.71 | -25.00 | 51.71 | Horizontal |
| 1763.7382 | -47.83 | -25.00 | 22.83 | Horizontal |
| 5141.3571 | -55.71 | -25.00 | 30.71 | Horizontal |
| 17404.4702 | -38.34 | -25.00 | 13.34 | Horizontal |

7.1.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 41.3975 | -75.02 | -25.00 | 50.02 | Vertical |
| 70.9825 | -70.51 | -25.00 | 45.51 | Vertical |
| 534.4000 | -82.67 | -25.00 | 57.67 | Vertical |
| 1766.1383 | -53.69 | -25.00 | 28.69 | Vertical |
| 5188.6094 | -49.87 | -25.00 | 24.87 | Vertical |
| 17856.7428 | -37.32 | -25.00 | 12.32 | Vertical |
| 41.6400 | -72.84 | -25.00 | 47.84 | Horizontal |
| 161.9200 | -76.23 | -25.00 | 51.23 | Horizontal |
| 684.9925 | -80.92 | -25.00 | 55.92 | Horizontal |
| 1737.7369 | -51.52 | -25.00 | 26.52 | Horizontal |
| 5741.3871 | -55.99 | -25.00 | 30.99 | Horizontal |
| 17401.4701 | -38.82 | -25.00 | 13.82 | Horizontal |



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7.1.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 40.6700 | -73.45 | -25.00 | 48.45 | Vertical |
| 73.6500 | -69.25 | -25.00 | 44.25 | Vertical |
| 247.7650 | -75.13 | -25.00 | 50.13 | Vertical |
| 1435.2218 | -55.00 | -25.00 | 30.00 | Vertical |
| 5201.3601 | -53.56 | -25.00 | 28.56 | Vertical |
| 17862.7431 | -36.75 | -25.00 | 11.75 | Vertical |
| 40.1850 | -77.02 | -25.00 | 52.02 | Horizontal |
| 163.1325 | -76.52 | -25.00 | 51.52 | Horizontal |
| 450.9800 | -82.39 | -25.00 | 57.39 | Horizontal |
| 1838.7419 | -52.09 | -25.00 | 27.09 | Horizontal |
| 6763.6882 | -55.66 | -25.00 | 30.66 | Horizontal |
| 17400.7200 | -38.59 | -25.00 | 13.59 | 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.
- 4 The disturbance above26.5GHz 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.



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8 Frequency Stability

8.1 Frequency Error VS. Voltage

| NR Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage [Vdc] | Temperature(°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------|-------|-----------|------------|---------|------------|---------------|-----------------|----------------|-----------------|-------------|---------|
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VL | NT | -7.24 | -0.00280 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | NT | 11.84 | 0.00457 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VH | NT | 9.70 | 0.00375 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VL | NT | -0.52 | -0.00020 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | NT | 12.28 | 0.00473 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VH | NT | -4.50 | -0.00173 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VL | NT | -0.41 | -0.00016 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | NT | 2.11 | 0.00081 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VH | NT | 2.00 | 0.00077 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VL | NT | 7.89 | 0.00305 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | NT | -0.10 | -0.00004 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VH | NT | 12.60 | 0.00486 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VL | NT | 11.37 | 0.00438 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | NT | -3.41 | -0.00131 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VH | NT | -10.73 | -0.00413 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VL | NT | 11.40 | 0.00438 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | NT | 5.90 | 0.00227 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VH | NT | 12.37 | 0.00476 | ±2.5 | PASS |

8.2 Frequency Error VS. Temperature

| NR Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage [Vdc] | Temperature(°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------|-------|-----------|------------|---------|------------|---------------|-----------------|----------------|-----------------|-------------|---------|
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | -30 | 2.43 | 0.00094 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | -20 | -12.96 | -0.00500 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | -10 | 12.67 | 0.00489 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 0 | -2.56 | -0.00099 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 10 | -3.19 | -0.00123 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 20 | 4.23 | 0.00163 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 30 | -5.89 | -0.00227 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 40 | 6.54 | 0.00253 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 518000 | Outer Full | VN | 50 | 0.26 | 0.00010 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | -30 | -1.88 | -0.00072 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | -20 | -2.65 | -0.00102 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | -10 | 1.94 | 0.00075 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 0 | 6.13 | 0.00236 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 10 | 7.48 | 0.00288 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 20 | -1.59 | -0.00061 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 30 | -12.21 | -0.00471 | ±2.5 | PASS |



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|-----|-------|-------|-----|--------|------------|----|-----|--------|----------|------|------|
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 40 | 9.72 | 0.00375 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 519000 | Outer Full | VN | 50 | 11.66 | 0.00449 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | -30 | -5.15 | -0.00198 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | -20 | 7.11 | 0.00273 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | -10 | -3.41 | -0.00131 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 0 | -10.79 | -0.00415 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 10 | -6.42 | -0.00247 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 20 | -4.73 | -0.00182 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 30 | -6.12 | -0.00235 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 40 | 2.75 | 0.00106 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM1 | 520000 | Outer Full | VN | 50 | -9.02 | -0.00347 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | -30 | -2.01 | -0.00078 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | -20 | 12.17 | 0.00470 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | -10 | 4.63 | 0.00179 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 0 | -0.68 | -0.00026 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 10 | -3.07 | -0.00119 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 20 | -2.31 | -0.00089 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 30 | -7.91 | -0.00305 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 40 | 1.87 | 0.00072 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 518000 | Outer Full | VN | 50 | -3.59 | -0.00139 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | -30 | -1.69 | -0.00065 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | -20 | 2.79 | 0.00108 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | -10 | -9.65 | -0.00372 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 0 | 13.49 | 0.00520 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 10 | 12.73 | 0.00491 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 20 | 11.81 | 0.00455 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 30 | -10.85 | -0.00418 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 40 | 1.70 | 0.00066 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 519000 | Outer Full | VN | 50 | 3.67 | 0.00141 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | -30 | 13.97 | 0.00537 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | -20 | 3.41 | 0.00131 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | -10 | -10.17 | -0.00391 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 0 | 4.53 | 0.00174 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 10 | 0.70 | 0.00027 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 20 | -7.72 | -0.00297 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 30 | 5.52 | 0.00212 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 40 | 10.74 | 0.00413 | ±2.5 | PASS |
| N38 | 30KHz | 40MHz | TM6 | 520000 | Outer Full | VN | 50 | -9.77 | -0.00376 | ±2.5 | PASS |

REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report

The End



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