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# Appendix B.5

LTE Band 5



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### **Effective (Isotropic) Radiated Power Output Data**

#### **Test Result**

#### Ant0:

| Band  | Bandwidth | Modulation | Channel | RB<br>Configuration | Result(dBm) | ERP(dBm) | Limit(dBm) | Verdict |
|-------|-----------|------------|---------|---------------------|-------------|----------|------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0               | 24.18       | 17.23    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#2               | 24.15       | 17.20    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#5               | 24.05       | 17.10    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0               | 23.20       | 16.25    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0               | 24.20       | 17.25    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#2               | 24.35       | 17.40    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#5               | 24.25       | 17.30    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0               | 23.48       | 16.53    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0               | 24.34       | 17.39    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#2               | 24.08       | 17.13    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#5               | 24.08       | 17.13    | 38.45      | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0               | 23.25       | 16.30    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0               | 23.39       | 16.44    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#2               | 23.60       | 16.65    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#5               | 23.45       | 16.50    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0               | 22.22       | 15.27    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0               | 23.59       | 16.64    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#2               | 23.80       | 16.85    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#5               | 23.44       | 16.49    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0               | 22.44       | 15.49    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0               | 23.81       | 16.86    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#2               | 23.04       | 16.09    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#5               | 23.46       | 16.51    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0               | 22.39       | 15.44    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#0               | 22.17       | 15.22    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#2               | 22.35       | 15.40    | 38.45      | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 1RB#5               | 22.63       | 15.68    | 38.45      | PASS    |



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| Band5         1.4MHz         64QAM         20407         6RB#0         21.35         14.40         38.45         PAS           Band5         1.4MHz         64QAM         20525         1RB#0         22.44         15.49         38.45         PAS           Band5         1.4MHz         64QAM         20525         1RB#2         22.75         15.80         38.45         PAS           Band5         1.4MHz         64QAM         20525         1RB#5         22.74         15.79         38.45         PAS           Band5         1.4MHz         64QAM         20525         6RB#0         21.21         14.26         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#0         22.31         15.36         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           B |
|---|
| Band5         1.4MHz         64QAM         20525         1RB#2         22.75         15.80         38.45         PAS           Band5         1.4MHz         64QAM         20525         1RB#5         22.74         15.79         38.45         PAS           Band5         1.4MHz         64QAM         20525         6RB#0         21.21         14.26         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#0         22.31         15.36         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           B |
| Band5         1.4MHz         64QAM         20525         1RB#5         22.74         15.79         38.45         PAS           Band5         1.4MHz         64QAM         20525         6RB#0         21.21         14.26         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#0         22.31         15.36         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         1SR#40         23.27         16.32         38.45         PAS           Band5 |
| Band5         1.4MHz         64QAM         20525         6RB#0         21.21         14.26         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#0         22.31         15.36         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         1SRB#0         23.27         16.32         38.45         PAS           Band5 |
| Band5         1.4MHz         64QAM         20643         1RB#0         22.31         15.36         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5       |
| Band5         1.4MHz         64QAM         20643         1RB#2         22.60         15.65         38.45         PAS           Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5          |
| Band5         1.4MHz         64QAM         20643         1RB#5         22.42         15.47         38.45         PAS           Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5             |
| Band5         1.4MHz         64QAM         20643         6RB#0         21.19         14.24         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS                              |
| Band5         3MHz         QPSK         20415         1RB#0         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS   |
| Band5         3MHz         QPSK         20415         1RB#8         24.32         17.37         38.45         PAS           Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS  |
| Band5         3MHz         QPSK         20415         1RB#14         24.19         17.24         38.45         PAS           Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS  |
| Band5         3MHz         QPSK         20415         15RB#0         23.27         16.32         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS   |
| Band5         3MHz         QPSK         20525         1RB#0         24.35         17.40         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS  |
| Band5         3MHz         QPSK         20525         1RB#8         24.37         17.42         38.45         PAS           Band5         3MHz         QPSK         20525         1RB#14         24.14         17.19         38.45         PAS  |
| Band5 3MHz QPSK 20525 1RB#14 24.14 17.19 38.45 PAS  |
|   |
| D IF ONLL ODOK 00505 45DD#0 00.00 40.44 29.45 DAG   |
| Band5 3MHz QPSK 20525 15RB#0 23.09 16.14 38.45 PAS  |
| Band5 3MHz QPSK 20635 1RB#0 24.18 17.23 38.45 PAS   |
| Band5 3MHz QPSK 20635 1RB#8 24.36 17.41 38.45 PAS   |
| Band5 3MHz QPSK 20635 1RB#14 24.39 17.44 38.45 PAS  |
| Band5         3MHz         QPSK         20635         15RB#0         23.39         16.44         38.45         PAS  |
| Band5 3MHz 16QAM 20415 1RB#0 23.50 16.55 38.45 PAS  |
| Band5 3MHz 16QAM 20415 1RB#8 23.75 16.80 38.45 PAS  |
| Band5 3MHz 16QAM 20415 1RB#14 23.65 16.70 38.45 PAS   |
| Band5 3MHz 16QAM 20415 15RB#0 22.30 15.35 38.45 PAS   |
| Band5 3MHz 16QAM 20525 1RB#0 23.65 16.70 38.45 PAS  |
| Band5 3MHz 16QAM 20525 1RB#8 23.71 16.76 38.45 PAS  |
| Band5 3MHz 16QAM 20525 1RB#14 23.44 16.49 38.45 PAS   |
| Band5 3MHz 16QAM 20525 15RB#0 22.18 15.23 38.45 PAS   |
| Band5 3MHz 16QAM 20635 1RB#0 23.46 16.51 38.45 PAS  |
| Band5 3MHz 16QAM 20635 1RB#8 23.51 16.56 38.45 PAS  |
| Band5 3MHz 16QAM 20635 1RB#14 23.58 16.63 38.45 PAS   |



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| Band5         3MHz         16QAM         20635         15RB#0         22.11         15.16         38.45         PASS           Band5         3MHz         64QAM         20415         1RB#0         22.53         15.58         38.45         PASS           Band5         3MHz         64QAM         20415         1RB#8         22.50         15.55         38.45         PASS           Band5         3MHz         64QAM         20415         1RB#0         22.30         15.25         38.45         PASS           Band5         3MHz         64QAM         20415         1RB#0         21.39         14.44         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#0         22.40         15.45         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#8         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5<   |       |      |       |       |        | Page: | 4 01 3 | 00    |      |
|---|-------|------|-------|-------|--------|-------|--------|-------|------|
| Band5         3MHz         64QAM         20415         1RB#8         22.50         15.55         38.45         PASS           Band5         3MHz         64QAM         20415         1RB#14         22.20         15.25         38.45         PASS           Band5         3MHz         64QAM         20415         15RB#0         21.39         14.44         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#0         22.40         15.45         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#8         22.38         15.43         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band   | Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 22.11 | 15.16  | 38.45 | PASS |
| Band5         3MHz         64QAM         20415         1RB#14         22.20         15.25         38.45         PASS           Band5         3MHz         64QAM         20415         15RB#0         21.39         14.44         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#0         22.40         15.45         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#8         22.38         15.43         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         1FRB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.41         15.42         38.45         PASS           Ban   | Band5 | 3MHz | 64QAM | 20415 | 1RB#0  | 22.53 | 15.58  | 38.45 | PASS |
| Band5         3MHz         64QAM         20415         15RB#0         21.39         14.44         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#0         22.40         15.45         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#8         22.38         15.43         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         15RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         21.17         14.22         38.45         PASS           Band   | Band5 | 3MHz | 64QAM | 20415 | 1RB#8  | 22.50 | 15.55  | 38.45 | PASS |
| Band5         3MHz         64QAM         20525         1RB#0         22.40         15.45         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#8         22.38         15.43         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         15RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5   | Band5 | 3MHz | 64QAM | 20415 | 1RB#14 | 22.20 | 15.25  | 38.45 | PASS |
| Band5         3MHz         64QAM         20525         1RB#8         22.38         15.43         38.45         PASS           Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         15RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         1SRB#0         21.17         14.22         38.45         PASS           Band5         3MHz         QPSK         20425         1RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Ban   | Band5 | 3MHz | 64QAM | 20415 | 15RB#0 | 21.39 | 14.44  | 38.45 | PASS |
| Band5         3MHz         64QAM         20525         1RB#14         22.32         15.37         38.45         PASS           Band5         3MHz         64QAM         20525         15RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band   | Band5 | 3MHz | 64QAM | 20525 | 1RB#0  | 22.40 | 15.45  | 38.45 | PASS |
| Band5         3MHz         64QAM         20525         15RB#0         21.32         14.37         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#0         21.17         14.22         38.45         PASS           Band5         3MHz         64QAM         20635         1FRB#0         21.17         14.22         38.45         PASS           Band5         5MHz         0PSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         0PSK         20425         1RB#0         24.33         17.08         38.45         PASS           Band5         5MHz         0PSK         20425         1RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         0PSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5 <td>Band5</td> <td>3MHz</td> <td>64QAM</td> <td>20525</td> <td>1RB#8</td> <td>22.38</td> <td>15.43</td> <td>38.45</td> <td>PASS</td>        | Band5 | 3MHz | 64QAM | 20525 | 1RB#8  | 22.38 | 15.43  | 38.45 | PASS |
| Band5         3MHz         64QAM         20635         1RB#0         22.39         15.44         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         15RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5<   | Band5 | 3MHz | 64QAM | 20525 | 1RB#14 | 22.32 | 15.37  | 38.45 | PASS |
| Band5         3MHz         64QAM         20635         1RB#8         22.44         15.49         38.45         PASS           Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         15RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.34         38.45         PASS           Band5<   | Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | 21.32 | 14.37  | 38.45 | PASS |
| Band5         3MHz         64QAM         20635         1RB#14         22.37         15.42         38.45         PASS           Band5         3MHz         64QAM         20635         15RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5 </td <td>Band5</td> <td>3MHz</td> <td>64QAM</td> <td>20635</td> <td>1RB#0</td> <td>22.39</td> <td>15.44</td> <td>38.45</td> <td>PASS</td> | Band5 | 3MHz | 64QAM | 20635 | 1RB#0  | 22.39 | 15.44  | 38.45 | PASS |
| Band5         3MHz         64QAM         20635         15RB#0         21.17         14.22         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5 <td>Band5</td> <td>3MHz</td> <td>64QAM</td> <td>20635</td> <td>1RB#8</td> <td>22.44</td> <td>15.49</td> <td>38.45</td> <td>PASS</td>       | Band5 | 3MHz | 64QAM | 20635 | 1RB#8  | 22.44 | 15.49  | 38.45 | PASS |
| Band5         5MHz         QPSK         20425         1RB#0         24.33         17.38         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5  | Band5 | 3MHz | 64QAM | 20635 | 1RB#14 | 22.37 | 15.42  | 38.45 | PASS |
| Band5         5MHz         QPSK         20425         1RB#12         24.10         17.15         38.45         PASS           Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5 <td>Band5</td> <td>3MHz</td> <td>64QAM</td> <td>20635</td> <td>15RB#0</td> <td>21.17</td> <td>14.22</td> <td>38.45</td> <td>PASS</td>       | Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | 21.17 | 14.22  | 38.45 | PASS |
| Band5         5MHz         QPSK         20425         1RB#24         24.03         17.08         38.45         PASS           Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5 <td>Band5</td> <td>5MHz</td> <td>QPSK</td> <td>20425</td> <td>1RB#0</td> <td>24.33</td> <td>17.38</td> <td>38.45</td> <td>PASS</td>         | Band5 | 5MHz | QPSK  | 20425 | 1RB#0  | 24.33 | 17.38  | 38.45 | PASS |
| Band5         5MHz         QPSK         20425         25RB#0         23.23         16.28         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5 <td>Band5</td> <td>5MHz</td> <td>QPSK</td> <td>20425</td> <td>1RB#12</td> <td>24.10</td> <td>17.15</td> <td>38.45</td> <td>PASS</td>        | Band5 | 5MHz | QPSK  | 20425 | 1RB#12 | 24.10 | 17.15  | 38.45 | PASS |
| Band5         5MHz         QPSK         20525         1RB#0         24.26         17.31         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5 <td>Band5</td> <td>5MHz</td> <td>QPSK</td> <td>20425</td> <td>1RB#24</td> <td>24.03</td> <td>17.08</td> <td>38.45</td> <td>PASS</td>       | Band5 | 5MHz | QPSK  | 20425 | 1RB#24 | 24.03 | 17.08  | 38.45 | PASS |
| Band5         5MHz         QPSK         20525         1RB#12         24.13         17.18         38.45         PASS           Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5<   | Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | 23.23 | 16.28  | 38.45 | PASS |
| Band5         5MHz         QPSK         20525         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5<   | Band5 | 5MHz | QPSK  | 20525 | 1RB#0  | 24.26 | 17.31  | 38.45 | PASS |
| Band5         5MHz         QPSK         20525         25RB#0         23.25         16.30         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5   | Band5 | 5MHz | QPSK  | 20525 | 1RB#12 | 24.13 | 17.18  | 38.45 | PASS |
| Band5         5MHz         QPSK         20625         1RB#0         24.35         17.40         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5   | Band5 | 5MHz | QPSK  | 20525 | 1RB#24 | 24.29 | 17.34  | 38.45 | PASS |
| Band5         5MHz         QPSK         20625         1RB#12         24.19         17.24         38.45         PASS           Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | 23.25 | 16.30  | 38.45 | PASS |
| Band5         5MHz         QPSK         20625         1RB#24         24.29         17.34         38.45         PASS           Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | QPSK  | 20625 | 1RB#0  | 24.35 | 17.40  | 38.45 | PASS |
| Band5         5MHz         QPSK         20625         25RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | QPSK  | 20625 | 1RB#12 | 24.19 | 17.24  | 38.45 | PASS |
| Band5         5MHz         16QAM         20425         1RB#0         23.40         16.45         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | QPSK  | 20625 | 1RB#24 | 24.29 | 17.34  | 38.45 | PASS |
| Band5         5MHz         16QAM         20425         1RB#12         23.52         16.57         38.45         PASS           Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | 23.40 | 16.45  | 38.45 | PASS |
| Band5         5MHz         16QAM         20425         1RB#24         23.61         16.66         38.45         PASS           Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS  | Band5 | 5MHz | 16QAM | 20425 | 1RB#0  | 23.40 | 16.45  | 38.45 | PASS |
| Band5         5MHz         16QAM         20425         25RB#0         22.29         15.34         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS   | Band5 | 5MHz | 16QAM | 20425 | 1RB#12 | 23.52 | 16.57  | 38.45 | PASS |
| Band5         5MHz         16QAM         20525         1RB#0         23.51         16.56         38.45         PASS           Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS  | Band5 | 5MHz | 16QAM | 20425 | 1RB#24 | 23.61 | 16.66  | 38.45 | PASS |
| Band5         5MHz         16QAM         20525         1RB#12         23.85         16.90         38.45         PASS  | Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 22.29 | 15.34  | 38.45 | PASS |
|   | Band5 | 5MHz | 16QAM | 20525 | 1RB#0  | 23.51 | 16.56  | 38.45 | PASS |
| Band5         5MHz         16QAM         20525         1RB#24         23.76         16.81         38.45         PASS  | Band5 | 5MHz | 16QAM | 20525 | 1RB#12 | 23.85 | 16.90  | 38.45 | PASS |
|   | Band5 | 5MHz | 16QAM | 20525 | 1RB#24 | 23.76 | 16.81  | 38.45 | PASS |



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|-------|-------|-------|-------|--------|--------|--------|-------|------|
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | 22.24  | 15.29  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0  | 23.67  | 16.72  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12 | 23.90  | 16.95  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24 | 23.79  | 16.84  | 38.45 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | 22.23  | 15.28  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#0  | 22.44  | 15.49  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#12 | 22.48  | 15.53  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 1RB#24 | 22.42  | 15.47  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20425 | 25RB#0 | 21.36  | 14.41  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#0  | 22.63  | 15.68  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#12 | 22.66  | 15.71  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 1RB#24 | 22.37  | 15.42  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20525 | 25RB#0 | 21.22  | 14.27  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#0  | 22.52  | 15.57  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#12 | 22.87  | 15.92  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 1RB#24 | 22.51  | 15.56  | 38.45 | PASS |
| Band5 | 5MHz  | 64QAM | 20625 | 25RB#0 | 21.30  | 14.35  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0  | 24.24  | 17.29  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24 | 24.18  | 17.23  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49 | 24.29  | 17.34  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | 23.19  | 16.24  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0  | 24.22  | 17.27  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24 | 24.39  | 17.44  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49 | 24.19  | 17.24  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | 23.17  | 16.22  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | 24.43  | 17.48  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24 | 24.35  | 17.40  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49 | 24.27  | 17.32  | 38.45 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | 23.18  | 16.23  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | 23.41  | 16.46  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24 | 23.48  | 16.53  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | 23.62  | 16.67  | 38.45 | PASS |
|       |       | •     |       | •      |        |        | •     |      |



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|-------|-------|-------|-------|--------|-------|--------|-------|------|
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 22.23 | 15.28  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0  | 23.49 | 16.54  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24 | 23.70 | 16.75  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49 | 23.39 | 16.44  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 22.26 | 15.31  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | 23.75 | 16.80  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24 | 23.71 | 16.76  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | 23.52 | 16.57  | 38.45 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 22.46 | 15.51  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0  | 22.30 | 15.35  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#24 | 22.54 | 15.59  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#49 | 22.57 | 15.62  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | 21.42 | 14.47  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0  | 22.55 | 15.60  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#24 | 22.55 | 15.60  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#49 | 22.44 | 15.49  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | 21.31 | 14.36  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0  | 22.42 | 15.47  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#24 | 22.49 | 15.54  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#49 | 22.42 | 15.47  | 38.45 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | 21.50 | 14.55  | 38.45 | PASS |



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

#### **Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 5.16       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 5.30       | 13        | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 5.26       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 5.86       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 5.98       | 13        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20600   | 50RB#0           | 5.94       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20450   | 50RB#0           | 6.30       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20525   | 50RB#0           | 6.36       | 13        | PASS    |
| Band5 | 10MHz     | 64QAM      | 20600   | 50RB#0           | 6.36       | 13        | PASS    |



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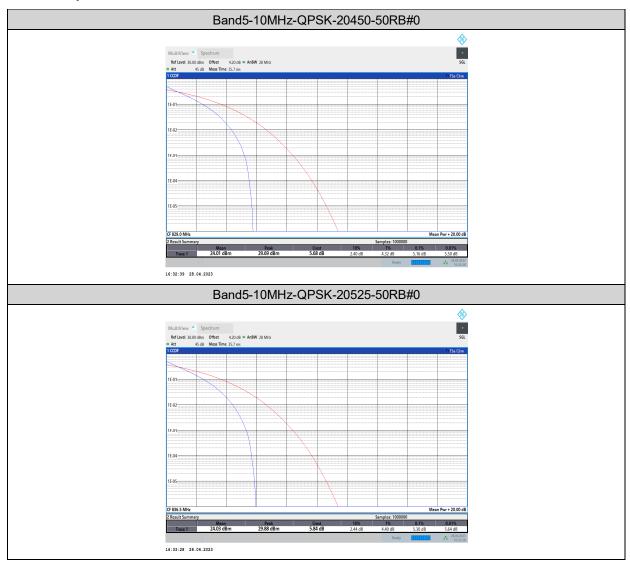
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#### **Test Graphs**





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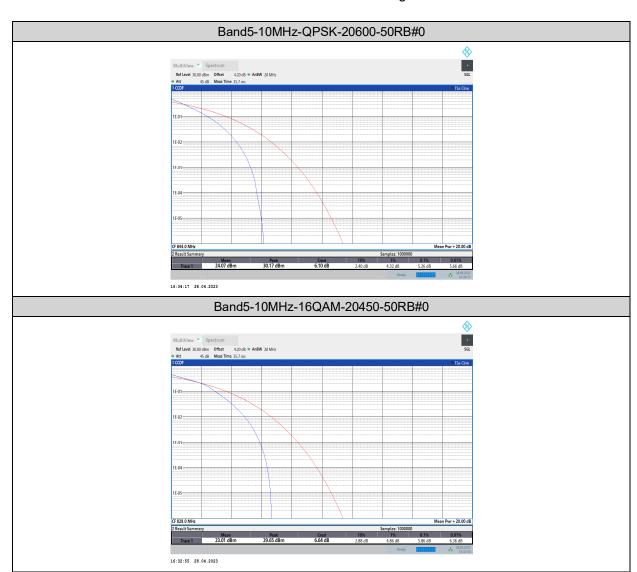
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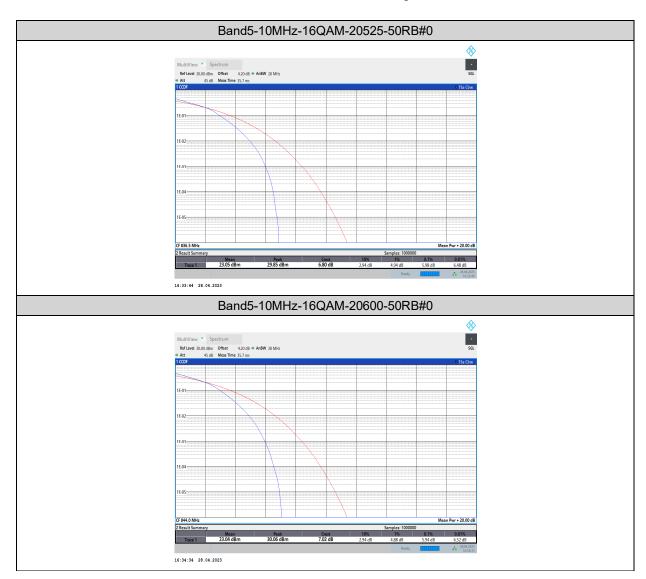
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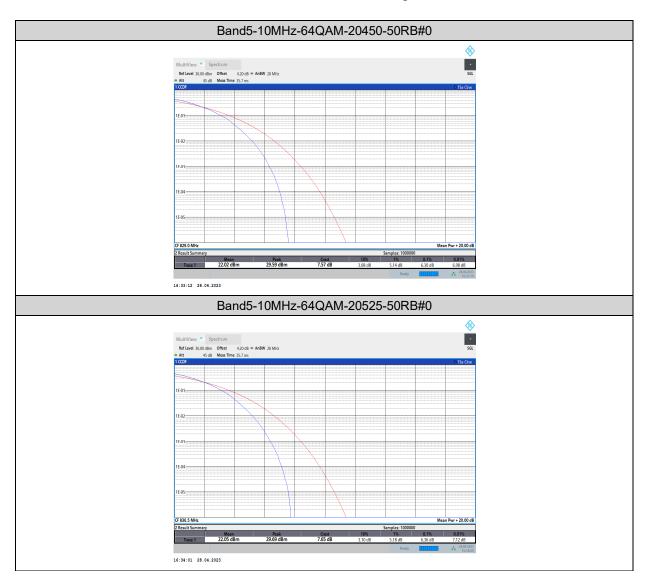
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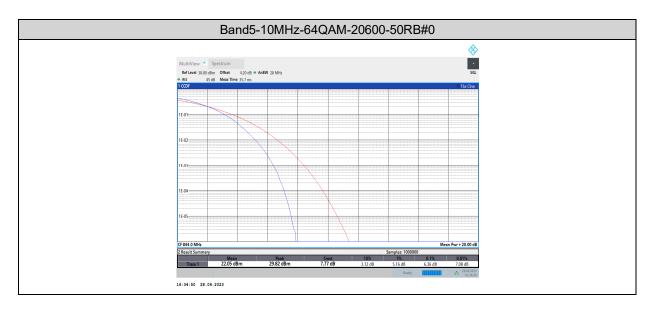
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#### **Modulation Characteristics**

#### **Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|-------|-----------|------------|---------|------------------|--------|---------|
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | PASS   | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | PASS   | PASS    |
| Band5 | 10MHz     | 64QAM      | 20525   | 50RB#0           | PASS   | PASS    |



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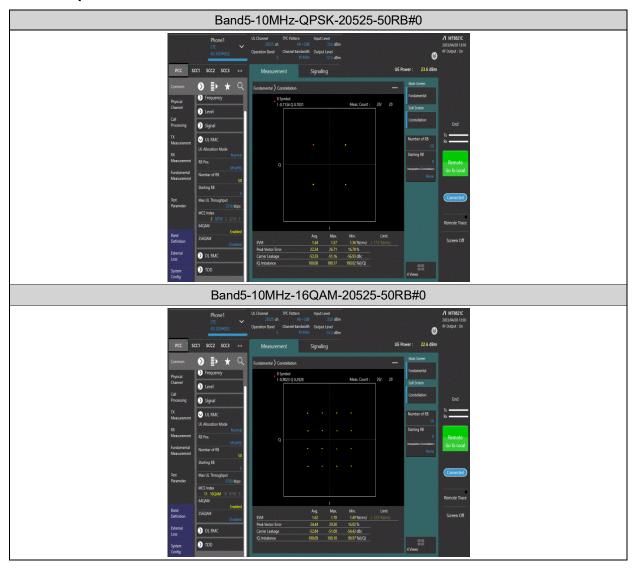


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#### **Test Graphs**





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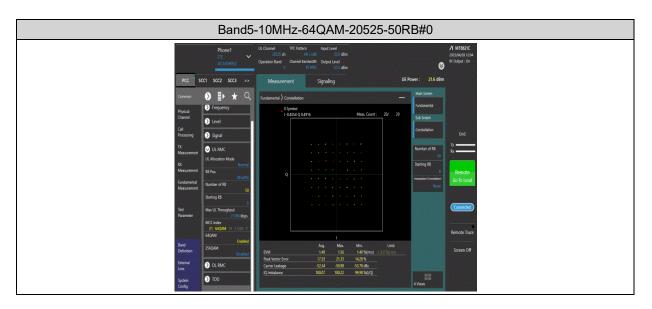
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#### 26dB Bandwidth and Occupied Bandwidth

#### **Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied<br>Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------------|-------------------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 6RB#0            | 1.096                          | 1.34                    | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.093                          | 1.32                    | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 6RB#0            | 1.081                          | 1.33                    | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 6RB#0            | 1.105                          | 1.38                    | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.111                          | 1.37                    | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 6RB#0            | 1.107                          | 1.36                    | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20407   | 6RB#0            | 1.094                          | 1.33                    | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20525   | 6RB#0            | 1.095                          | 1.30                    | PASS    |
| Band5 | 1.4MHz    | 64QAM      | 20643   | 6RB#0            | 1.105                          | 1.36                    | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 15RB#0           | 2.692                          | 3.04                    | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.685                          | 3.03                    | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 15RB#0           | 2.704                          | 3.02                    | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 15RB#0           | 2.703                          | 2.95                    | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.702                          | 2.99                    | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 15RB#0           | 2.696                          | 3.01                    | PASS    |
| Band5 | 3MHz      | 64QAM      | 20415   | 15RB#0           | 2.702                          | 2.99                    | PASS    |
| Band5 | 3MHz      | 64QAM      | 20525   | 15RB#0           | 2.700                          | 3.05                    | PASS    |
| Band5 | 3MHz      | 64QAM      | 20635   | 15RB#0           | 2.704                          | 3.02                    | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 25RB#0           | 4.482                          | 5.01                    | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.471                          | 5.01                    | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 25RB#0           | 4.478                          | 4.98                    | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 25RB#0           | 4.466                          | 4.96                    | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.465                          | 4.96                    | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 25RB#0           | 4.474                          | 4.98                    | PASS    |
| Band5 | 5MHz      | 64QAM      | 20425   | 25RB#0           | 4.475                          | 4.85                    | PASS    |
| Band5 | 5MHz      | 64QAM      | 20525   | 25RB#0           | 4.472                          | 4.96                    | PASS    |
| Band5 | 5MHz      | 64QAM      | 20625   | 25RB#0           | 4.463                          | 4.97                    | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 50RB#0           | 8.937                          | 9.92                    | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 8.967                          | 9.88                    | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 50RB#0           | 8.941                          | 9.62                    | PASS    |
| Band5 | 10MHz     | 16QAM      | 20450   | 50RB#0           | 8.953                          | 9.62                    | PASS    |



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Band5

10MHz

64QAM

20600

### SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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**PASS** 

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8.960

Band5 10MHz 16QAM 20525 50RB#0 **PASS** 8.940 9.80 Band5 9.76 **PASS** 10MHz 16QAM 20600 50RB#0 8.935 Band5 10MHz 64QAM 20450 50RB#0 8.958 9.70 **PASS** Band5 10MHz 64QAM 20525 50RB#0 8.942 9.84 **PASS** 

50RB#0



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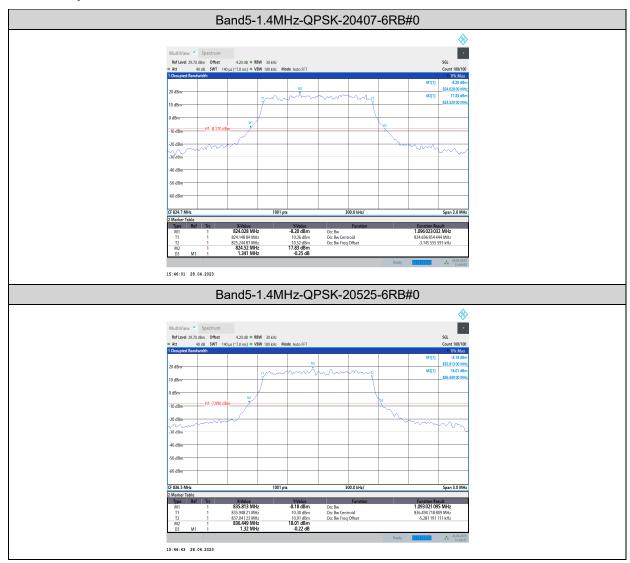


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#### **Test Graphs**





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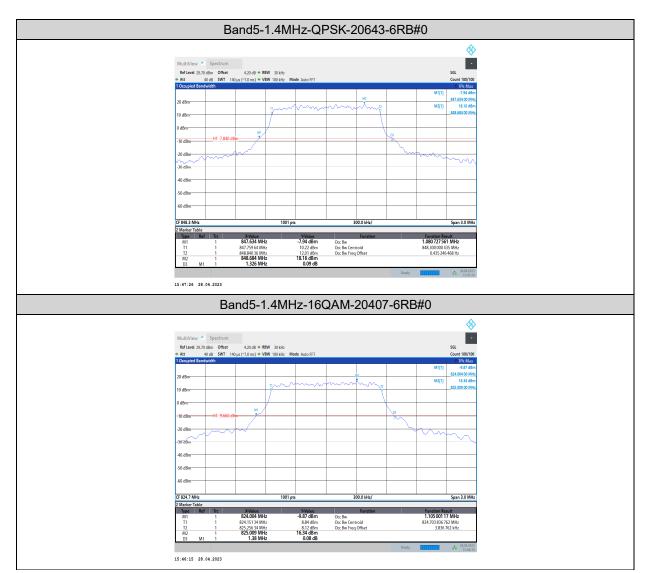
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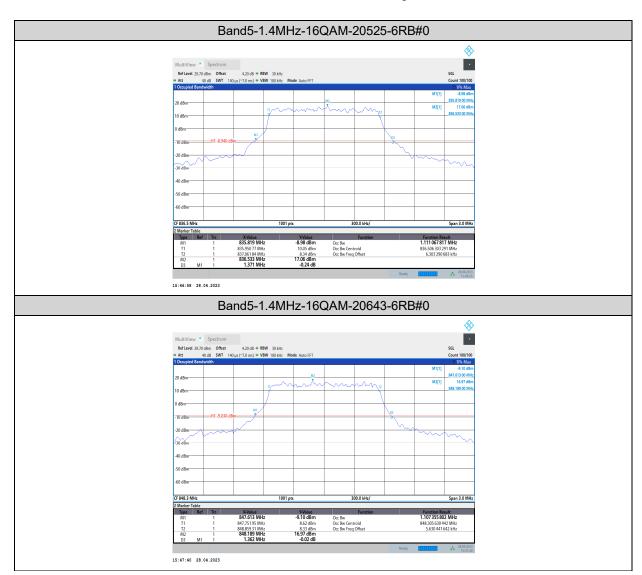
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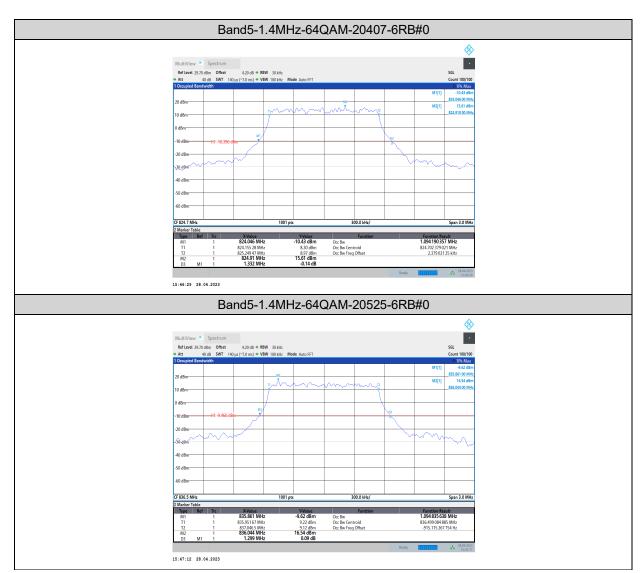
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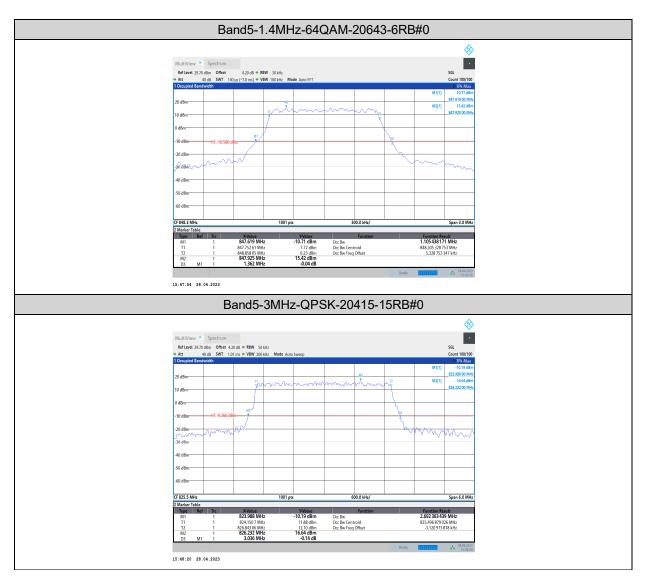
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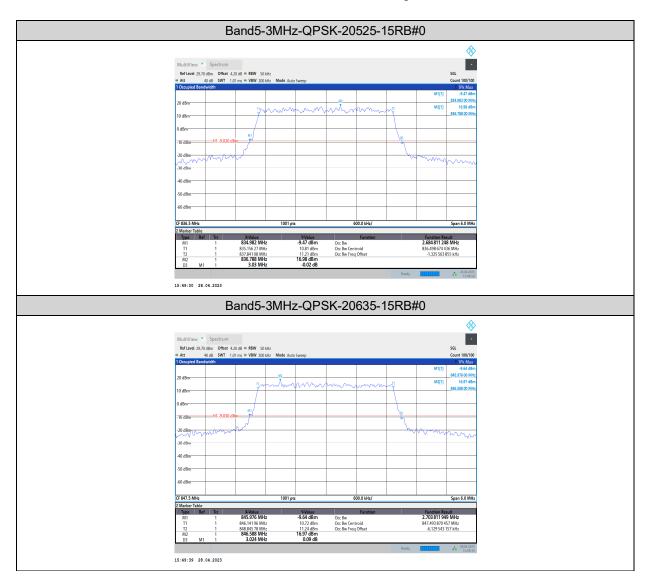
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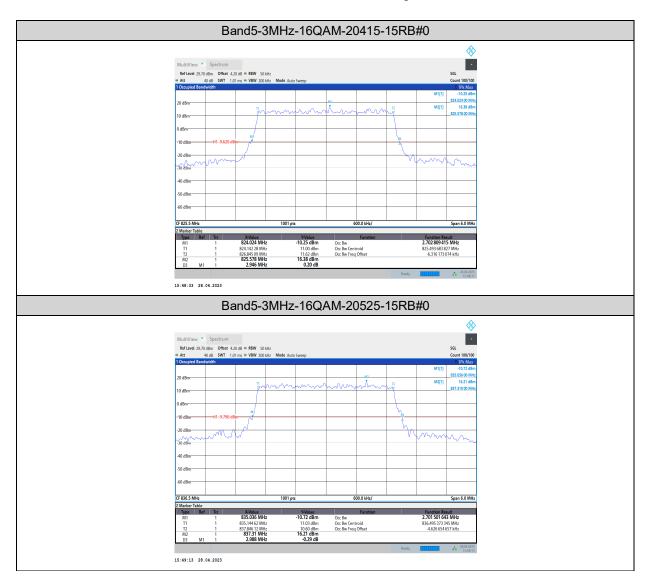
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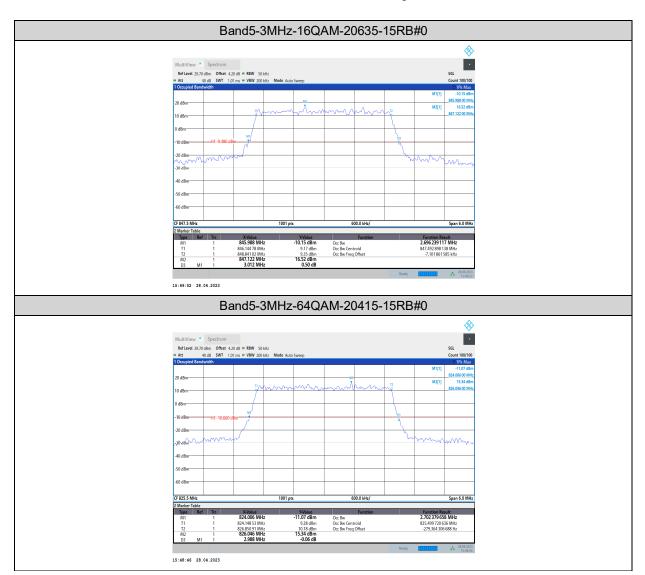
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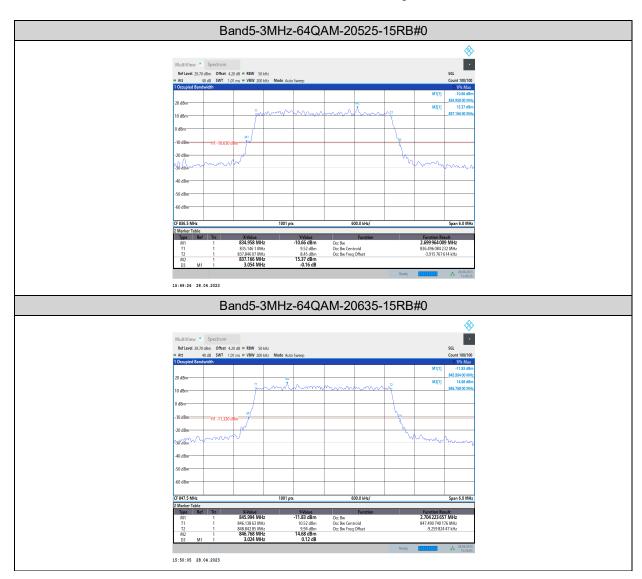
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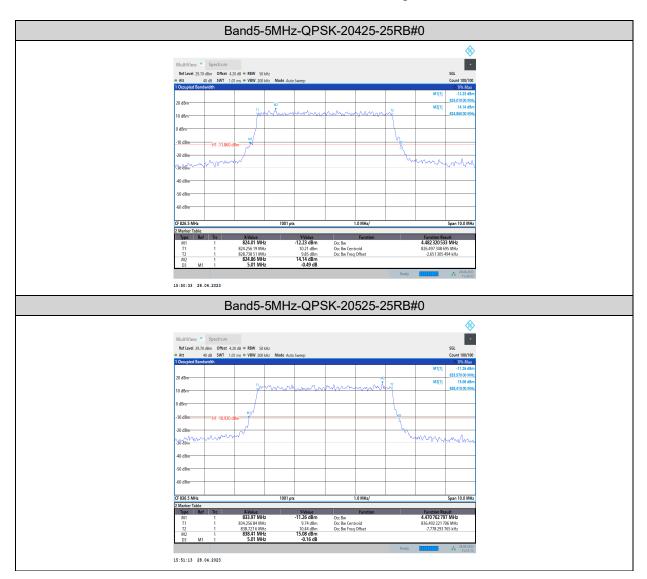
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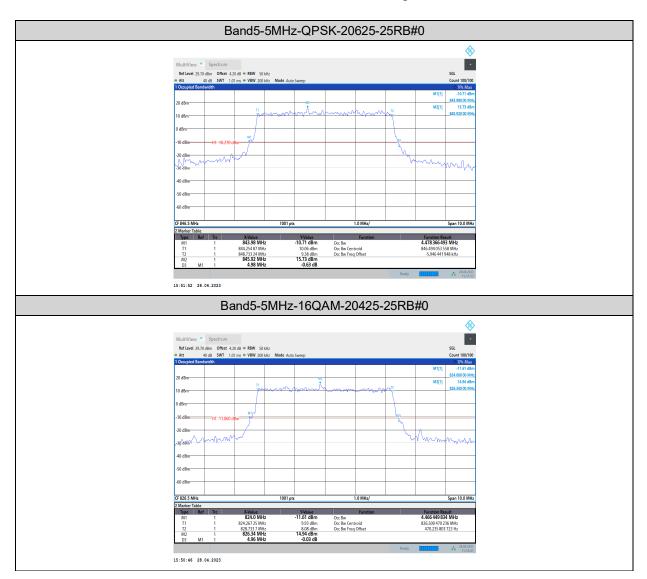
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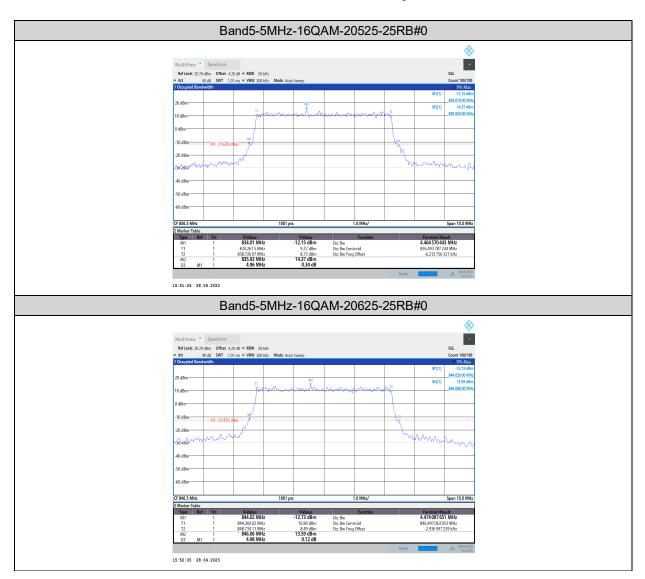
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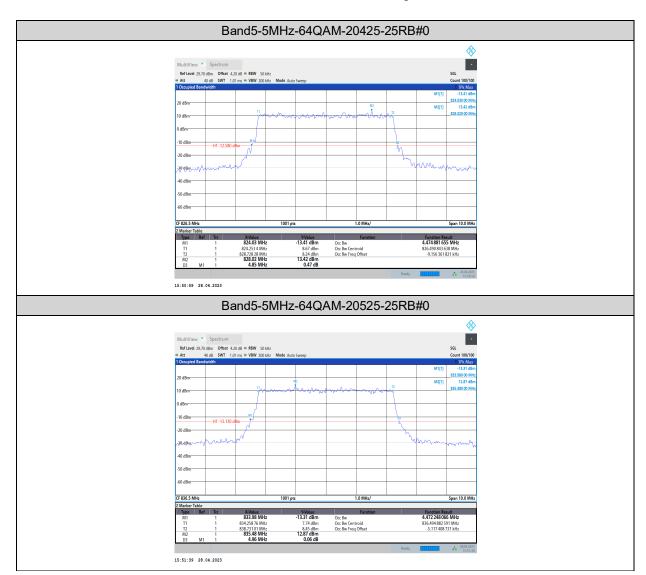
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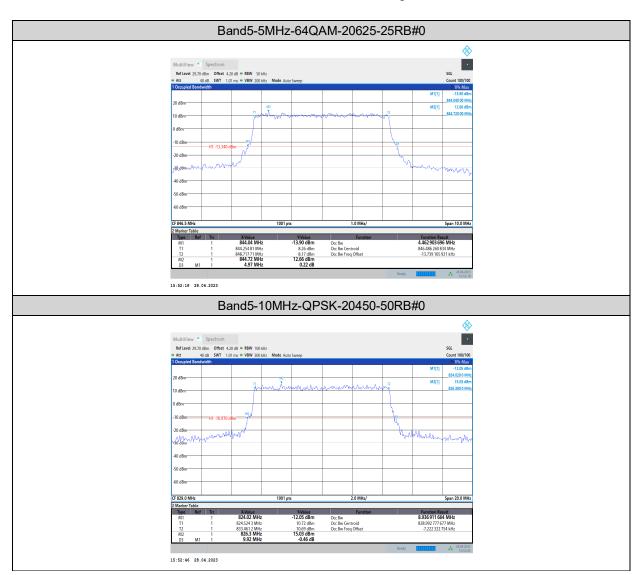
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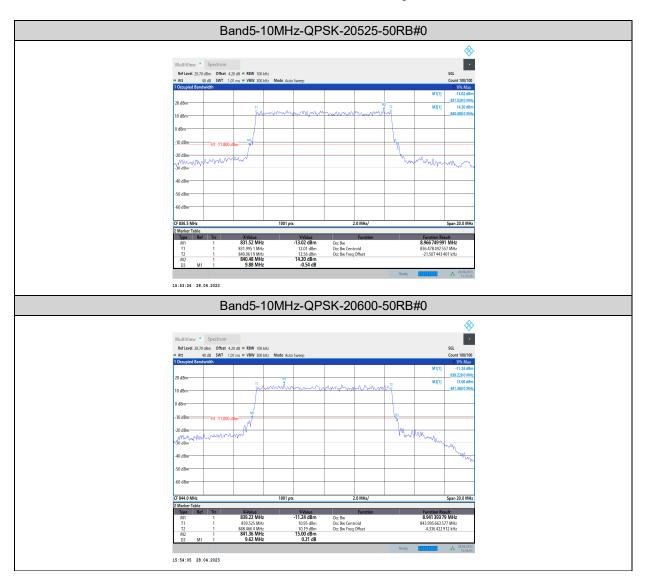
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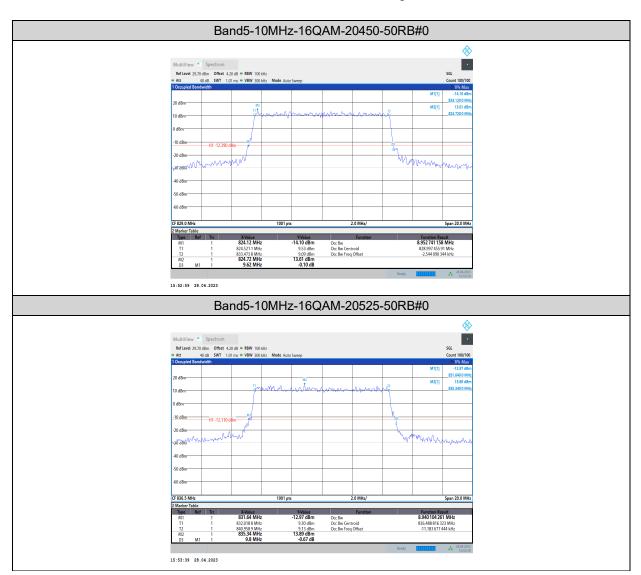
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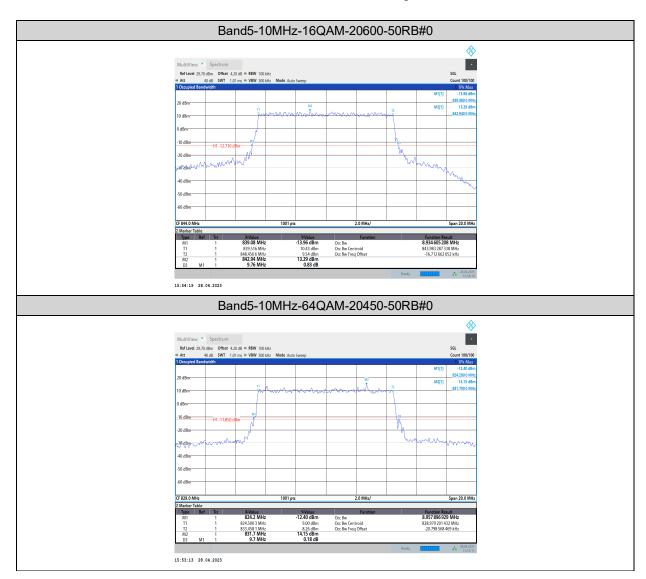
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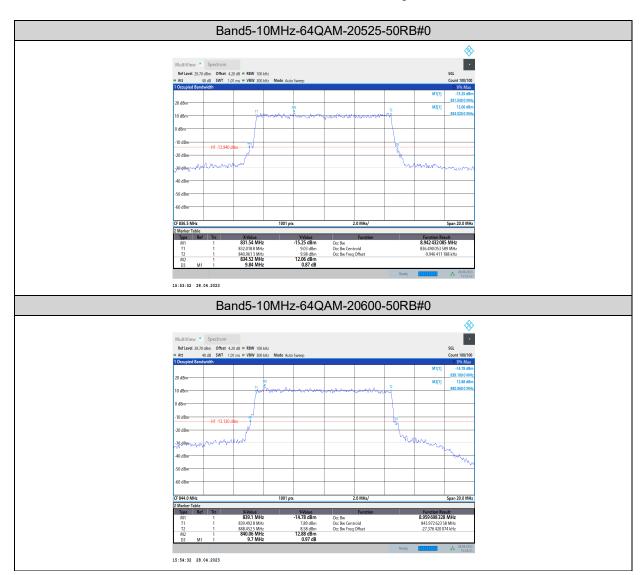
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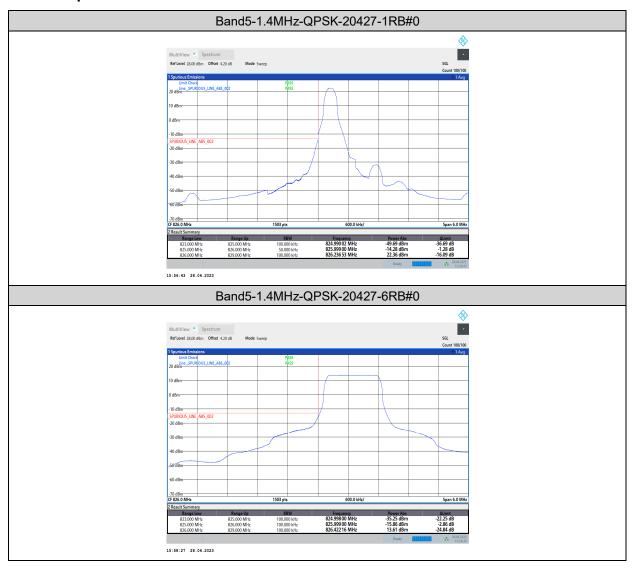
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#### **Band Edge**

#### **Test Graphs**





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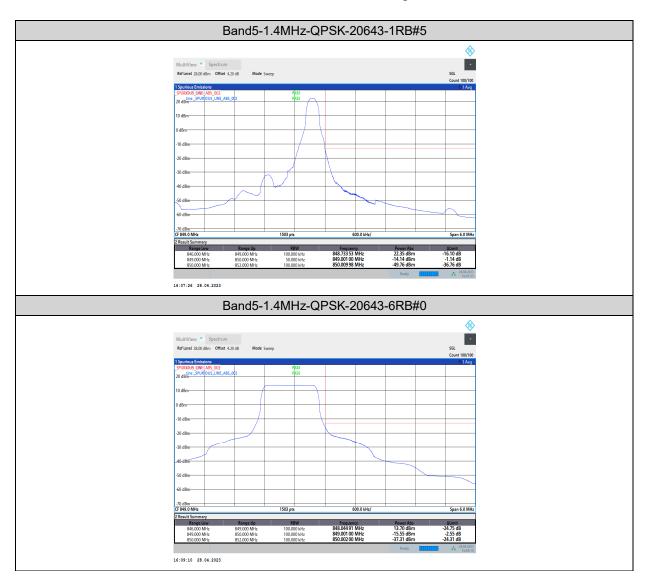
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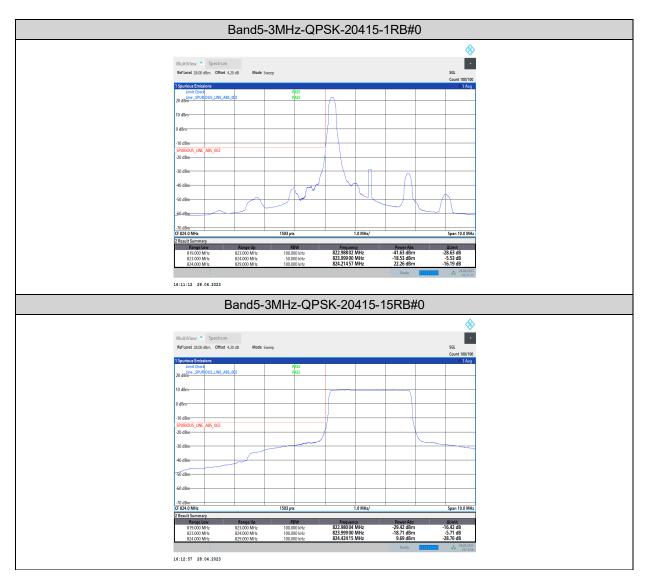
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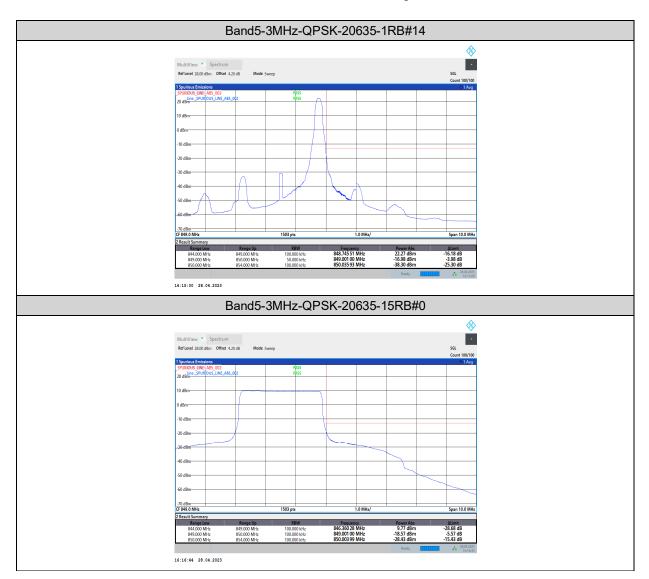
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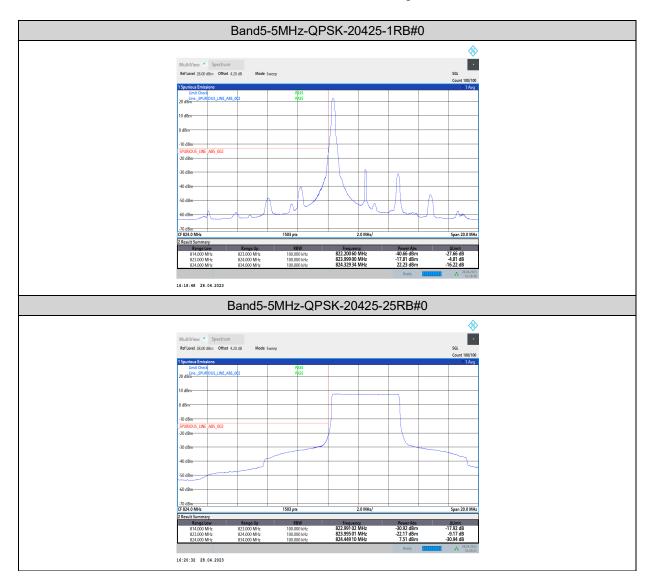
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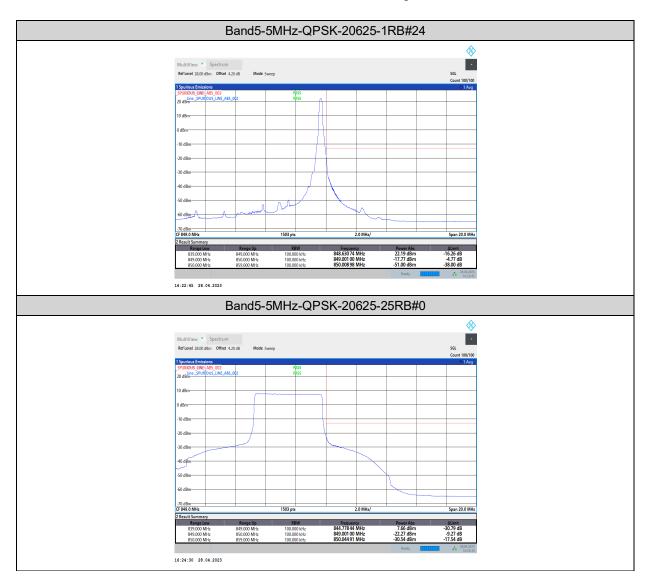
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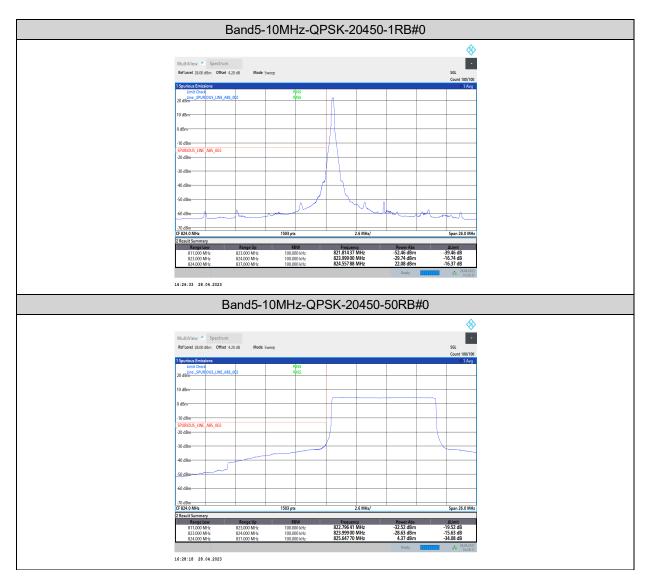
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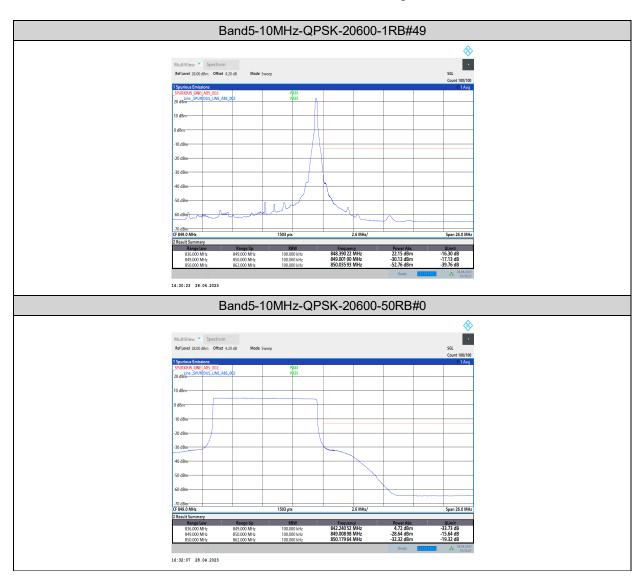
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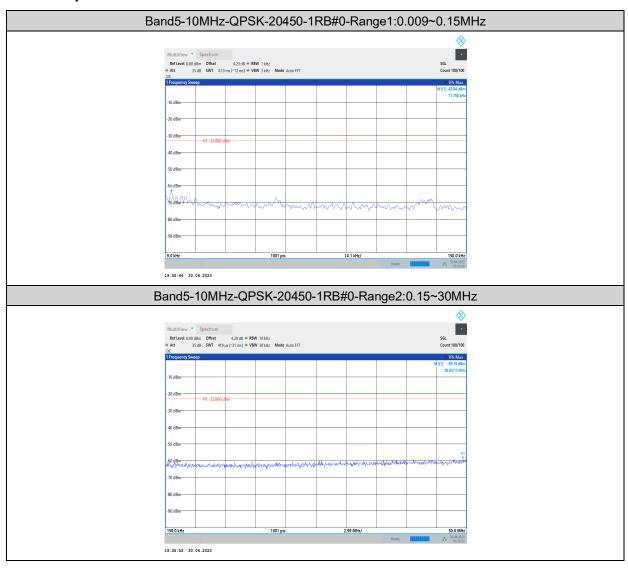
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#### **Conducted Spurious Emission**

#### **Test Graphs**





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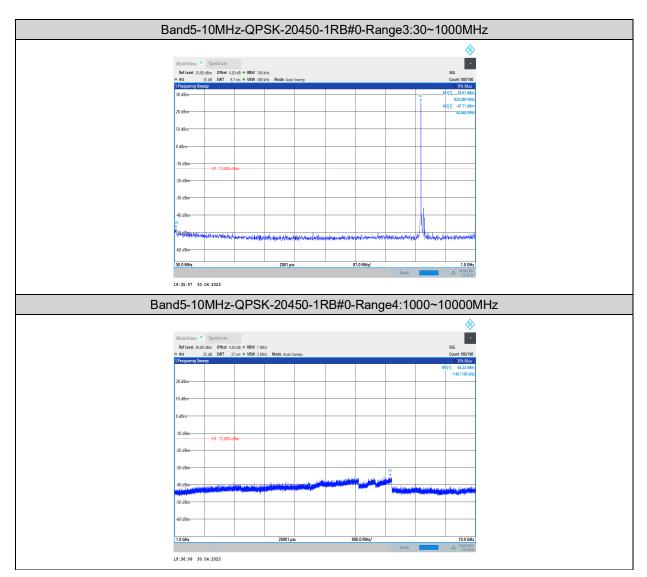
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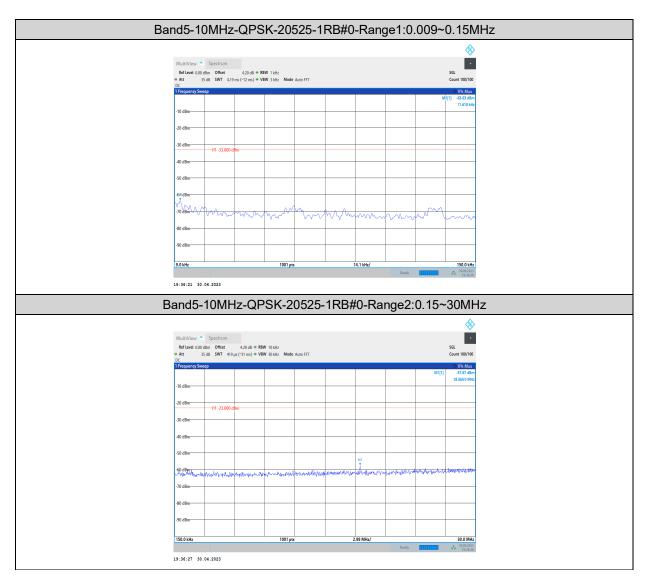
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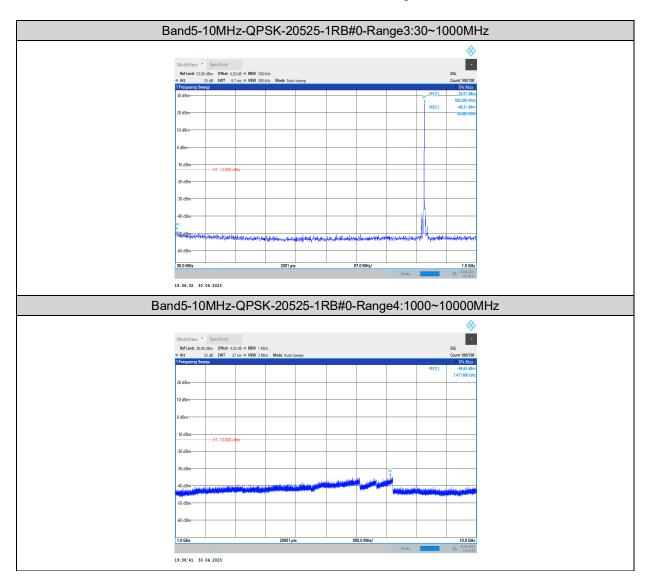
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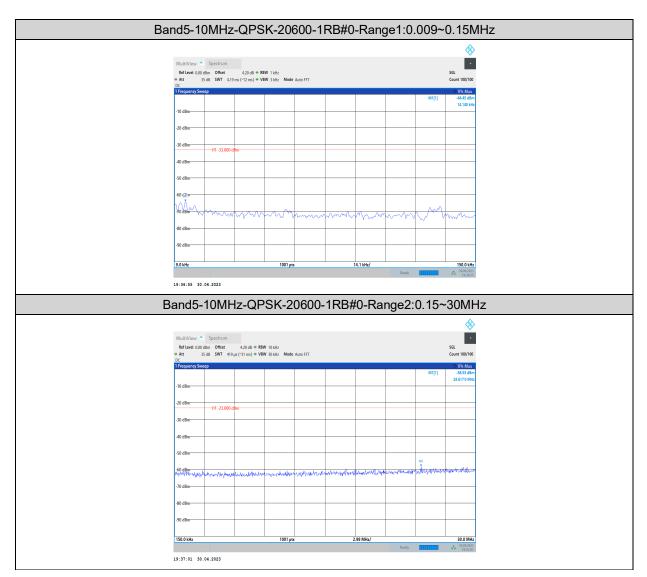
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#### **Field Strength of Spurious Radiation**

Test Band = LTE Band5\_10MHz\_ TM1
Test Channel = Low ANT0

| Data | List      |         |        |          |        |        |        |        |       |            |
|------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | AFEID/1  | Level  | Limit  | Margin | Height | Angle | Delegite   |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1649.1800 | 43.81   | -48.22 | 25.37    | -74.30 | -13.00 | 61.30  | 145    | 214   | Horizontal |
| 2    | 2473.7700 | 42.86   | -47.32 | 27.69    | -72.03 | -13.00 | 59.03  | 152    | 294   | Horizontal |
| 3    | 3298.3600 | 42.31   | -46.68 | 29.56    | -70.07 | -13.00 | 57.07  | 136    | 122   | Horizontal |
| 4    | 4122.9500 | 41.03   | -45.91 | 30.99    | -69.16 | -13.00 | 56.16  | 256    | 83    | Horizontal |
| 5    | 4947.5400 | 41.83   | -45.69 | 32.73    | -66.39 | -13.00 | 53.39  | 192    | 148   | Horizontal |
| 6    | 5772.1300 | 39.05   | -44.64 | 33.65    | -67.20 | -13.00 | 54.20  | 175    | 268   | Horizontal |

| Data | List      |         |        |           |        |        |        |        |       |          |
|------|-----------|---------|--------|-----------|--------|--------|--------|--------|-------|----------|
| NO   | Frequency | Reading | Factor | Λ Γ[-ID/] | Level  | Limit  | Margin | Height | Angle | Dalarita |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m]  | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity |
| 1    | 1649.1800 | 44.14   | -48.22 | 25.37     | -73.97 | -13.00 | 60.97  | 142    | 360   | Vertical |
| 2    | 2473.7700 | 42.75   | -47.32 | 27.69     | -72.14 | -13.00 | 59.14  | 158    | 38    | Vertical |
| 3    | 3298.3600 | 42.68   | -46.68 | 29.56     | -69.70 | -13.00 | 56.70  | 175    | 171   | Vertical |
| 4    | 4122.9500 | 40.79   | -45.91 | 30.99     | -69.40 | -13.00 | 56.40  | 165    | 52    | Vertical |
| 5    | 4947.5400 | 41.05   | -45.69 | 32.73     | -67.17 | -13.00 | 54.17  | 192    | 66    | Vertical |
| 6    | 5772.1300 | 40.03   | -44.64 | 33.65     | -66.22 | -13.00 | 53.22  | 136    | 360   | Vertical |



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#### Test Band = LTE Band5\_10MHz\_ TM1 Test Channel = Mid ANT0

| Data | List      |         |        |            |        |        |        |        |       |            |
|------|-----------|---------|--------|------------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | V [[4D/==] | Level  | Limit  | Margin | Height | Angle | Dolovita   |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m]   | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1664.1800 | 43.34   | -48.20 | 25.38      | -74.75 | -13.00 | 61.75  | 248    | 98    | Horizontal |
| 2    | 2496.2700 | 43.46   | -47.28 | 27.76      | -71.32 | -13.00 | 58.32  | 174    | 164   | Horizontal |
| 3    | 3328.3600 | 42.75   | -46.64 | 29.52      | -69.63 | -13.00 | 56.63  | 158    | 20    | Horizontal |
| 4    | 4160.4500 | 41.18   | -45.94 | 31.04      | -68.98 | -13.00 | 55.98  | 169    | 84    | Horizontal |
| 5    | 4992.5400 | 40.94   | -45.79 | 32.86      | -67.25 | -13.00 | 54.25  | 142    | 150   | Horizontal |
| 6    | 5824.6300 | 39.67   | -44.74 | 33.80      | -66.53 | -13.00 | 53.53  | 153    | 242   | Horizontal |

| Data List |           |         |        |            |        |        |        |        |       |          |  |  |
|-----------|-----------|---------|--------|------------|--------|--------|--------|--------|-------|----------|--|--|
| NO        | Frequency | Reading | Factor | V [[4D/==] | Level  | Limit  | Margin | Height | Angle | Dalamita |  |  |
| NO.       | [MHz]     | [dBµV]  | [dB]   | AF[dB/m]   | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity |  |  |
| 1         | 1664.1800 | 43.41   | -48.20 | 25.38      | -74.68 | -13.00 | 61.68  | 214    | 263   | Vertical |  |  |
| 2         | 2496.2700 | 42.93   | -47.28 | 27.76      | -71.85 | -13.00 | 58.85  | 174    | 237   | Vertical |  |  |
| 3         | 3328.3600 | 42.84   | -46.64 | 29.52      | -69.54 | -13.00 | 56.54  | 158    | 80    | Vertical |  |  |
| 4         | 4160.4500 | 40.69   | -45.94 | 31.04      | -69.47 | -13.00 | 56.47  | 196    | 360   | Vertical |  |  |
| 5         | 4992.5400 | 40.98   | -45.79 | 32.86      | -67.21 | -13.00 | 54.21  | 142    | 237   | Vertical |  |  |
| 6         | 5824.6300 | 39.51   | -44.74 | 33.80      | -66.69 | -13.00 | 53.69  | 156    | 277   | Vertical |  |  |



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# Test Band = LTE Band5\_10MHz\_ TM1 Test Channel = High ANT0

| Data | List      |         |        |                   |        |        |        |        |       |            |
|------|-----------|---------|--------|-------------------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | A E [   D /     ] | Level  | Limit  | Margin | Height | Angle | Dalasita   |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m]          | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1679.1800 | 43.88   | -48.18 | 25.38             | -74.18 | -13.00 | 61.18  | 148    | 10    | Horizontal |
| 2    | 2518.7700 | 43.40   | -47.21 | 27.83             | -71.23 | -13.00 | 58.23  | 175    | 323   | Horizontal |
| 3    | 3358.3600 | 42.71   | -46.60 | 29.48             | -69.67 | -13.00 | 56.67  | 142    | 71    | Horizontal |
| 4    | 4197.9500 | 40.55   | -45.96 | 31.10             | -69.57 | -13.00 | 56.57  | 126    | 203   | Horizontal |
| 5    | 5037.5400 | 40.79   | -45.65 | 32.90             | -67.22 | -13.00 | 54.22  | 195    | 178   | Horizontal |
| 6    | 5887.1300 | 40.15   | -44.93 | 33.92             | -66.12 | -13.00 | 53.12  | 182    | 310   | Horizontal |

| Data | List      |         |        |          |        |        |        |        |       |          |
|------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|----------|
| NO   | Frequency | Reading | Factor | AF[dD/m] | Level  | Limit  | Margin | Height | Angle | Dolority |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity |
| 1    | 1679.1800 | 43.70   | -48.18 | 25.38    | -74.36 | -13.00 | 61.36  | 147    | 3     | Vertical |
| 2    | 2518.7700 | 43.56   | -47.21 | 27.83    | -71.07 | -13.00 | 58.07  | 126    | 63    | Vertical |
| 3    | 3358.3600 | 42.36   | -46.60 | 29.48    | -70.02 | -13.00 | 57.02  | 135    | 12    | Vertical |
| 4    | 4197.9500 | 40.69   | -45.96 | 31.10    | -69.43 | -13.00 | 56.43  | 145    | 117   | Vertical |
| 5    | 5037.5400 | 41.19   | -45.65 | 32.90    | -66.82 | -13.00 | 53.82  | 186    | 359   | Vertical |
| 6    | 5887.1300 | 40.40   | -44.93 | 33.92    | -65.87 | -13.00 | 52.87  | 129    | 210   | Vertical |



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#### Test Band = LTE Band5\_10MHz\_ TM1 **Test Channel = Low ANT4**

| Data | List      |         |        |          |        |        |        |        |       |            |
|------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | AFEID/1  | Level  | Limit  | Margin | Height | Angle | Dalanita   |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1649.1800 | 44.44   | -48.22 | 25.37    | -73.67 | -13.00 | 60.67  | 214    | 135   | Horizontal |
| 2    | 2473.7700 | 42.26   | -47.32 | 27.69    | -72.63 | -13.00 | 59.63  | 158    | 42    | Horizontal |
| 3    | 3298.3600 | 42.49   | -46.68 | 29.56    | -69.89 | -13.00 | 56.89  | 175    | 135   | Horizontal |
| 4    | 4122.9500 | 41.08   | -45.91 | 30.99    | -69.11 | -13.00 | 56.11  | 142    | 294   | Horizontal |
| 5    | 4947.5400 | 41.30   | -45.69 | 32.73    | -66.92 | -13.00 | 53.92  | 136    | 268   | Horizontal |
| 6    | 5772.1300 | 39.26   | -44.64 | 33.65    | -66.99 | -13.00 | 53.99  | 216    | 214   | Horizontal |

| Data List |           |         |        |           |        |        |        |        |       |          |  |  |
|-----------|-----------|---------|--------|-----------|--------|--------|--------|--------|-------|----------|--|--|
| NO        | Frequency | Reading | Factor | Λ Γ[-ID/] | Level  | Limit  | Margin | Height | Angle | Dalanita |  |  |
| NO.       | [MHz]     | [dBµV]  | [dB]   | AF[dB/m]  | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity |  |  |
| 1         | 1649.1800 | 44.40   | -48.22 | 25.37     | -73.71 | -13.00 | 60.71  | 211    | 91    | Vertical |  |  |
| 2         | 2473.7700 | 42.49   | -47.32 | 27.69     | -72.40 | -13.00 | 59.40  | 148    | 342   | Vertical |  |  |
| 3         | 3298.3600 | 42.21   | -46.68 | 29.56     | -70.17 | -13.00 | 57.17  | 175    | 331   | Vertical |  |  |
| 4         | 4122.9500 | 41.28   | -45.91 | 30.99     | -68.91 | -13.00 | 55.91  | 142    | 132   | Vertical |  |  |
| 5         | 4947.5400 | 41.50   | -45.69 | 32.73     | -66.72 | -13.00 | 53.72  | 126    | 359   | Vertical |  |  |
| 6         | 5772.1300 | 39.18   | -44.64 | 33.65     | -67.07 | -13.00 | 54.07  | 291    | 359   | Vertical |  |  |



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#### Test Band = LTE Band5\_10MHz\_ TM1 **Test Channel = Mid ANT4**

| Data | List      |         |        |          |        |        |        |        |       |            |
|------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | AFEID/1  | Level  | Limit  | Margin | Height | Angle | Delegie    |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1664.1800 | 43.47   | -48.20 | 25.38    | -74.62 | -13.00 | 61.62  | 248    | 334   | Horizontal |
| 2    | 2496.2700 | 43.34   | -47.28 | 27.76    | -71.44 | -13.00 | 58.44  | 122    | 148   | Horizontal |
| 3    | 3328.3600 | 43.25   | -46.64 | 29.52    | -69.13 | -13.00 | 56.13  | 221    | 255   | Horizontal |
| 4    | 4160.4500 | 40.83   | -45.94 | 31.04    | -69.33 | -13.00 | 56.33  | 120    | 356   | Horizontal |
| 5    | 4992.5400 | 40.84   | -45.79 | 32.86    | -67.35 | -13.00 | 54.35  | 165    | 200   | Horizontal |
| 6    | 5824.6300 | 38.85   | -44.74 | 33.80    | -67.35 | -13.00 | 54.35  | 192    | 0     | Horizontal |

| Data List |           |         |        |          |        |        |        |        |       |          |  |  |
|-----------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|----------|--|--|
| NO        | Frequency | Reading | Factor | V [[4D/] | Level  | Limit  | Margin | Height | Angle | Dalanih  |  |  |
| NO.       | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity |  |  |
| 1         | 1664.1800 | 43.02   | -48.20 | 25.38    | -75.07 | -13.00 | 62.07  | 174    | 117   | Vertical |  |  |
| 2         | 2496.2700 | 43.35   | -47.28 | 27.76    | -71.43 | -13.00 | 58.43  | 158    | 251   | Vertical |  |  |
| 3         | 3328.3600 | 42.47   | -46.64 | 29.52    | -69.91 | -13.00 | 56.91  | 146    | 356   | Vertical |  |  |
| 4         | 4160.4500 | 41.07   | -45.94 | 31.04    | -69.09 | -13.00 | 56.09  | 153    | 3     | Vertical |  |  |
| 5         | 4992.5400 | 41.22   | -45.79 | 32.86    | -66.97 | -13.00 | 53.97  | 291    | 237   | Vertical |  |  |
| 6         | 5824.6300 | 39.20   | -44.74 | 33.80    | -67.00 | -13.00 | 54.00  | 172    | 237   | Vertical |  |  |



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#### Test Band = LTE Band5\_10MHz\_ TM1 **Test Channel = High ANT4**

| Data | List      |         |        |          |        |        |        |        |       |            |
|------|-----------|---------|--------|----------|--------|--------|--------|--------|-------|------------|
| NO   | Frequency | Reading | Factor | AFEID/1  | Level  | Limit  | Margin | Height | Angle | Delevite   |
| NO.  | [MHz]     | [dBµV]  | [dB]   | AF[dB/m] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polarity   |
| 1    | 1679.1800 | 43.24   | -48.18 | 25.38    | -74.82 | -13.00 | 61.82  | 254    | 268   | Horizontal |
| 2    | 2518.7700 | 43.21   | -47.21 | 27.83    | -71.42 | -13.00 | 58.42  | 142    | 123   | Horizontal |
| 3    | 3358.3600 | 42.17   | -46.60 | 29.48    | -70.21 | -13.00 | 57.21  | 156    | 148   | Horizontal |
| 4    | 4197.9500 | 40.69   | -45.96 | 31.10    | -69.43 | -13.00 | 56.43  | 136    | 4     | Horizontal |
| 5    | 5037.5400 | 41.22   | -45.65 | 32.90    | -66.79 | -13.00 | 53.79  | 129    | 4     | Horizontal |
| 6    | 5887.1300 | 40.18   | -44.93 | 33.92    | -66.09 | -13.00 | 53.09  | 185    | 123   | Horizontal |

| Data | List      |         |        |            |        |        |        |        |       |          |
|------|-----------|---------|--------|------------|--------|--------|--------|--------|-------|----------|
| NO.  | Frequency | Reading | Factor | AF[dB/m]   | Level  | Limit  | Margin | Height | Angle | Polarity |
| NO.  | [MHz]     | [dBµV]  | [dB]   | Ar[ub/III] | [dBm]  | [dBm]  | [dB]   | [cm]   | [°]   | Polanty  |
| 1    | 1679.1800 | 43.73   | -48.18 | 25.38      | -74.33 | -13.00 | 61.33  | 217    | 78    | Vertical |
| 2    | 2518.7700 | 42.96   | -47.21 | 27.83      | -71.67 | -13.00 | 58.67  | 184    | 263   | Vertical |
| 3    | 3358.3600 | 42.18   | -46.60 | 29.48      | -70.20 | -13.00 | 57.20  | 175    | 78    | Vertical |
| 4    | 4197.9500 | 40.89   | -45.96 | 31.10      | -69.23 | -13.00 | 56.23  | 146    | 360   | Vertical |
| 5    | 5037.5400 | 40.77   | -45.65 | 32.90      | -67.24 | -13.00 | 54.24  | 129    | 3     | Vertical |
| 6    | 5887.1300 | 40.53   | -44.93 | 33.92      | -65.74 | -13.00 | 52.74  | 215    | 289   | 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<br>Configure | Voltage<br>[Vdc] | Temperature (°C) | Deviation<br>(Hz) | Deviation (ppm) | Limit<br>(ppm) | Verdict |  |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0          | VL               | NT               | -1.50             | -0.001793       | ±2.5           | PASS    |  |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0          | VN               | NT               | 0.90              | 0.001076        | ±2.5           | PASS    |  |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0          | VH               | NT               | -0.70             | -0.000837       | ±2.5           | PASS    |  |

| Temperature |           |            |         |                 |                  |                  |                   |                 |                |         |
|-------------|-----------|------------|---------|-----------------|------------------|------------------|-------------------|-----------------|----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB<br>Configure | Voltage<br>[Vdc] | Temperature (°C) | Deviation<br>(Hz) | Deviation (ppm) | Limit<br>(ppm) | Verdict |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | -30              | 0.10              | 0.000120        | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | -20              | 0.40              | 0.000478        | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | -10              | 0.30              | 0.000359        | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 0                | -0.10             | -0.000120       | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 10               | -0.70             | -0.000837       | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 20               | 1.10              | 0.001315        | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 30               | 0.20              | 0.000239        | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 40               | -1.10             | -0.001315       | ±2.5           | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0          | NV               | 50               | 0.50              | 0.000598        | ±2.5           | PASS    |

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