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# Appendix B.18

## NR Band n5



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config       | Power (dBm) | ERP (dBm) | LIMIT (dBm) | Verdict |
|------|-----|-----------|-------------|---------|-----------------|-------------|-----------|-------------|---------|
| N5   | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Left  | 23.54       | 20.97     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Right | 23.48       | 20.91     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full      | 23.47       | 20.9      | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Left  | 23.43       | 20.86     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Right | 23.52       | 20.95     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | L       | Outer_Full      | 23.45       | 20.88     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Left  | 23.59       | 21.02     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Right | 23.57       | 21        | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | L       | Outer_Full      | 22.47       | 19.9      | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Left  | 21.89       | 19.32     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Right | 21.85       | 19.28     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | L       | Outer_Full      | 21.89       | 19.32     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Left  | 20.08       | 17.51     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Right | 19.93       | 17.36     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | L       | Outer_Full      | 19.89       | 17.32     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Left  | 23.56       | 20.99     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Right | 23.53       | 20.96     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full      | 23.54       | 20.97     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Left  | 23.55       | 20.98     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Right | 23.48       | 20.91     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | M       | Outer_Full      | 23.51       | 20.94     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Left  | 23.69       | 21.12     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Right | 23.58       | 21.01     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | M       | Outer_Full      | 22.47       | 19.9      | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Left  | 21.99       | 19.42     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Right | 21.89       | 19.32     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | M       | Outer_Full      | 22.02       | 19.45     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | M       | Inner_1RB_Left  | 20.04       | 17.47     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | M       | Inner_1RB_Right | 20          | 17.43     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | M       | Outer_Full      | 20.01       | 17.44     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | H       | Inner_1RB_Left  | 23.56       | 20.99     | 38.45       | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | H       | Inner_1RB_Right | 23.36       | 20.79     | 38.45       | PASS    |



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|    |    |    |             |   |                 |       |       |       |      |
|----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N5 | 15 | 5  | DFT-PI2BPSK | H | Outer_Full      | 23.47 | 20.9  | 38.45 | PASS |
| N5 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Left  | 23.5  | 20.93 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Right | 23.36 | 20.79 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-QPSK    | H | Outer_Full      | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Left  | 23.65 | 21.08 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Right | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-16QAM   | H | Outer_Full      | 22.47 | 19.9  | 38.45 | PASS |
| N5 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Left  | 21.92 | 19.35 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Right | 21.82 | 19.25 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-64QAM   | H | Outer_Full      | 21.96 | 19.39 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Left  | 20.06 | 17.49 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Right | 19.85 | 17.28 | 38.45 | PASS |
| N5 | 15 | 5  | DFT-256QAM  | H | Outer_Full      | 19.89 | 17.32 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Left  | 23.53 | 20.96 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Right | 23.62 | 21.05 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | L | Outer_Full      | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Left  | 23.56 | 20.99 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Right | 23.62 | 21.05 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | L | Outer_Full      | 23.57 | 21    | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Left  | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Right | 23.7  | 21.13 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | L | Outer_Full      | 22.54 | 19.97 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Left  | 21.9  | 19.33 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Right | 22    | 19.43 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | L | Outer_Full      | 22.07 | 19.5  | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Left  | 20.07 | 17.5  | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Right | 20.19 | 17.62 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | L | Outer_Full      | 20.06 | 17.49 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Left  | 23.5  | 20.93 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Right | 23.52 | 20.95 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full      | 23.54 | 20.97 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Left  | 23.46 | 20.89 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Right | 23.6  | 21.03 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | M | Outer_Full      | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Left  | 23.55 | 20.98 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Right | 23.61 | 21.04 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | M | Outer_Full      | 22.51 | 19.94 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Left  | 21.86 | 19.29 | 38.45 | PASS |



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|----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N5 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Right | 21.99 | 19.42 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | M | Outer_Full      | 22.07 | 19.5  | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Left  | 19.96 | 17.39 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Right | 20.07 | 17.5  | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | M | Outer_Full      | 19.98 | 17.41 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Left  | 23.51 | 20.94 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Right | 23.46 | 20.89 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | H | Outer_Full      | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Left  | 23.52 | 20.95 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Right | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-QPSK    | H | Outer_Full      | 23.67 | 21.1  | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Left  | 23.18 | 20.61 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Right | 23.22 | 20.65 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | H | Outer_Full      | 22.57 | 20    | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Left  | 21.81 | 19.24 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Right | 21.79 | 19.22 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-64QAM   | H | Outer_Full      | 22.08 | 19.51 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Left  | 19.94 | 17.37 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Right | 19.89 | 17.32 | 38.45 | PASS |
| N5 | 15 | 10 | DFT-256QAM  | H | Outer_Full      | 20.06 | 17.49 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | L | Inner_1RB_Left  | 23.42 | 20.85 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | L | Inner_1RB_Right | 23.55 | 20.98 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | L | Outer_Full      | 23.68 | 21.11 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | L | Inner_1RB_Left  | 23.41 | 20.84 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | L | Inner_1RB_Right | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | L | Outer_Full      | 23.67 | 21.1  | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | L | Inner_1RB_Left  | 23.5  | 20.93 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | L | Inner_1RB_Right | 23.65 | 21.08 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | L | Outer_Full      | 22.68 | 20.11 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | L | Inner_1RB_Left  | 21.78 | 19.21 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | L | Inner_1RB_Right | 21.94 | 19.37 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | L | Outer_Full      | 22.09 | 19.52 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | L | Inner_1RB_Left  | 20.02 | 17.45 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | L | Inner_1RB_Right | 20.14 | 17.57 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | L | Outer_Full      | 20.14 | 17.57 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | M | Inner_1RB_Left  | 23.46 | 20.89 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | M | Inner_1RB_Right | 23.49 | 20.92 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full      | 23.69 | 21.12 | 38.45 | PASS |



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|----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N5 | 15 | 15 | DFT-QPSK    | M | Inner_1RB_Left  | 23.45 | 20.88 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | M | Inner_1RB_Right | 23.42 | 20.85 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | M | Outer_Full      | 23.68 | 21.11 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | M | Inner_1RB_Left  | 23.59 | 21.02 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | M | Inner_1RB_Right | 23.54 | 20.97 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | M | Outer_Full      | 22.67 | 20.1  | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | M | Inner_1RB_Left  | 21.81 | 19.24 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | M | Inner_1RB_Right | 21.87 | 19.3  | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | M | Outer_Full      | 22.18 | 19.61 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | M | Inner_1RB_Left  | 19.99 | 17.42 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | M | Inner_1RB_Right | 20.02 | 17.45 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | M | Outer_Full      | 20.18 | 17.61 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | H | Inner_1RB_Left  | 23.59 | 21.02 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | H | Inner_1RB_Right | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | H | Outer_Full      | 23.57 | 21    | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | H | Inner_1RB_Left  | 23.56 | 20.99 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | H | Inner_1RB_Right | 23.42 | 20.85 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | H | Outer_Full      | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | H | Inner_1RB_Left  | 21.43 | 18.86 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | H | Inner_1RB_Right | 23.62 | 21.05 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | H | Outer_Full      | 22.57 | 20    | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | H | Inner_1RB_Left  | 21.98 | 19.41 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | H | Inner_1RB_Right | 21.89 | 19.32 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | H | Outer_Full      | 22.08 | 19.51 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | H | Inner_1RB_Left  | 20.09 | 17.52 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | H | Inner_1RB_Right | 20.02 | 17.45 | 38.45 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | H | Outer_Full      | 20.13 | 17.56 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | L | Inner_1RB_Left  | 23.33 | 20.76 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | L | Inner_1RB_Right | 23.44 | 20.87 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | L | Outer_Full      | 23.61 | 21.04 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | L | Inner_1RB_Left  | 23.4  | 20.83 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | L | Inner_1RB_Right | 23.44 | 20.87 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | L | Outer_Full      | 23.59 | 21.02 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | L | Inner_1RB_Left  | 23.11 | 20.54 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | L | Inner_1RB_Right | 23.18 | 20.61 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | L | Outer_Full      | 22.59 | 20.02 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | L | Inner_1RB_Left  | 21.69 | 19.12 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | L | Inner_1RB_Right | 21.67 | 19.1  | 38.45 | PASS |



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|    |    |    |             |   |                 |       |       |       |      |
|----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N5 | 15 | 20 | DFT-64QAM   | L | Outer_Full      | 22.09 | 19.52 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | L | Inner_1RB_Left  | 19.9  | 17.33 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | L | Inner_1RB_Right | 19.97 | 17.4  | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | L | Outer_Full      | 20.13 | 17.56 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | M | Inner_1RB_Left  | 23.39 | 20.82 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | M | Inner_1RB_Right | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | M | Outer_Full      | 23.63 | 21.06 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | M | Inner_1RB_Left  | 23.4  | 20.83 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | M | Inner_1RB_Right | 23.49 | 20.92 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | M | Outer_Full      | 23.65 | 21.08 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | M | Inner_1RB_Left  | 23.14 | 20.57 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | M | Inner_1RB_Right | 23.17 | 20.6  | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | M | Outer_Full      | 22.68 | 20.11 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | M | Inner_1RB_Left  | 21.7  | 19.13 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | M | Inner_1RB_Right | 21.74 | 19.17 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | M | Outer_Full      | 22.14 | 19.57 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | M | Inner_1RB_Left  | 19.88 | 17.31 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | M | Inner_1RB_Right | 19.93 | 17.36 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | M | Outer_Full      | 20.11 | 17.54 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | H | Inner_1RB_Left  | 23.45 | 20.88 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | H | Inner_1RB_Right | 23.37 | 20.8  | 38.45 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | H | Outer_Full      | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | H | Inner_1RB_Left  | 23.51 | 20.94 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | H | Inner_1RB_Right | 23.48 | 20.91 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | H | Outer_Full      | 23.61 | 21.04 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | H | Inner_1RB_Left  | 21.37 | 18.8  | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | H | Inner_1RB_Right | 23.58 | 21.01 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | H | Outer_Full      | 22.66 | 20.09 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | H | Inner_1RB_Left  | 21.98 | 19.41 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | H | Inner_1RB_Right | 21.95 | 19.38 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | H | Outer_Full      | 22.13 | 19.56 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | H | Inner_1RB_Left  | 20.03 | 17.46 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | H | Inner_1RB_Right | 20.01 | 17.44 | 38.45 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | H | Outer_Full      | 20.14 | 17.57 | 38.45 | PASS |



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## Peak-to-Average Ratio for SA

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | DutyCycle | Factor | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|------------|-----------|--------|--------|-------|---------|
| N5   | 15  | 20        | DFT-256QAM | L       | Outer_Full | 100%      | 0.00   | 8.76   | ≤13   | PASS    |
| N5   | 15  | 20        | CP-256QAM  | L       | Outer_Full | 100%      | 0.00   | 9.58   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-256QAM | M       | Outer_Full | 100%      | 0.00   | 8.85   | ≤13   | PASS    |
| N5   | 15  | 20        | CP-256QAM  | M       | Outer_Full | 100%      | 0.00   | 9.62   | ≤13   | PASS    |
| N5   | 15  | 20        | DFT-256QAM | H       | Outer_Full | 100%      | 0.00   | 8.92   | ≤13   | PASS    |
| N5   | 15  | 20        | CP-256QAM  | H       | Outer_Full | 100%      | 0.00   | 9.63   | ≤13   | PASS    |

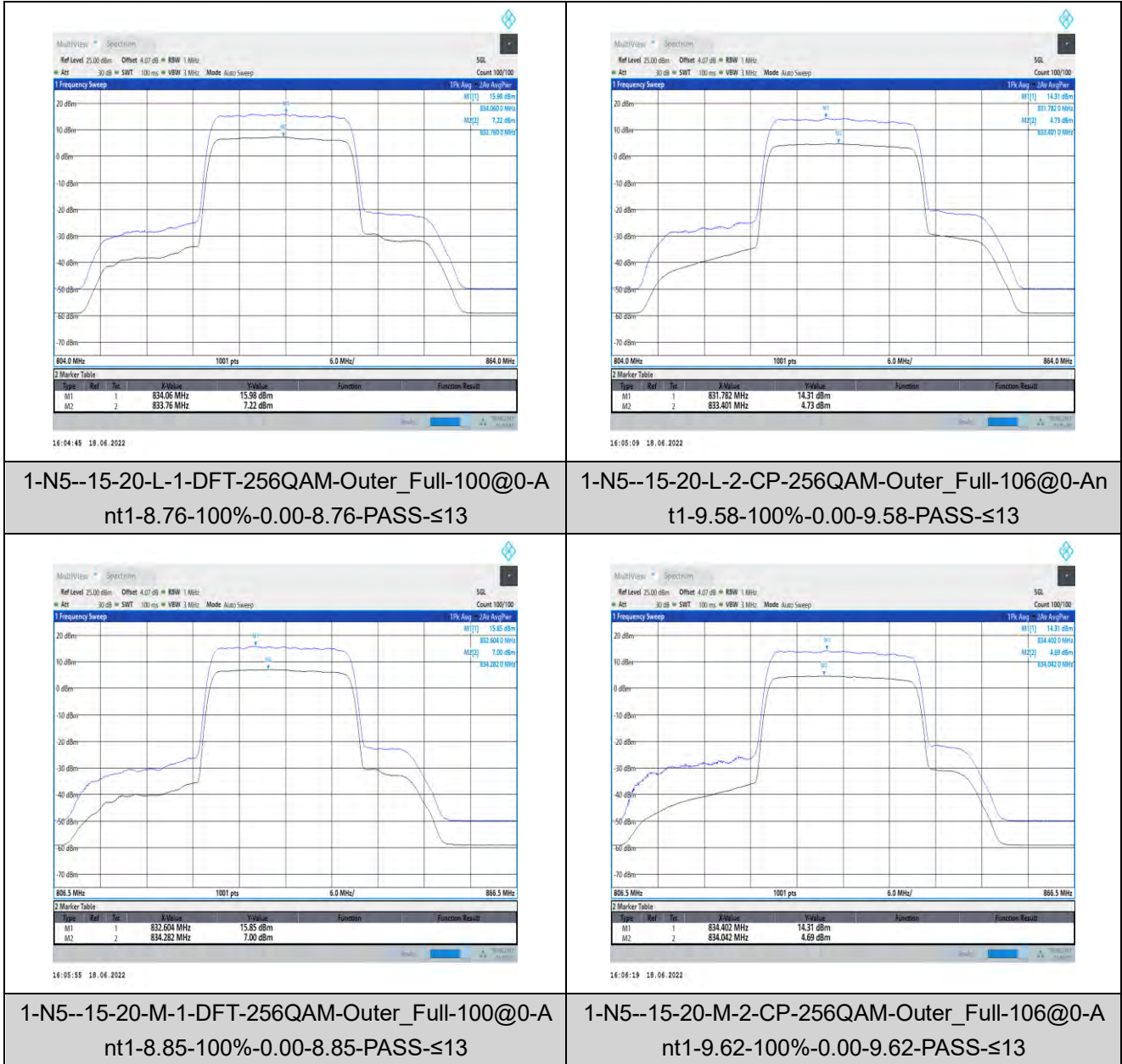


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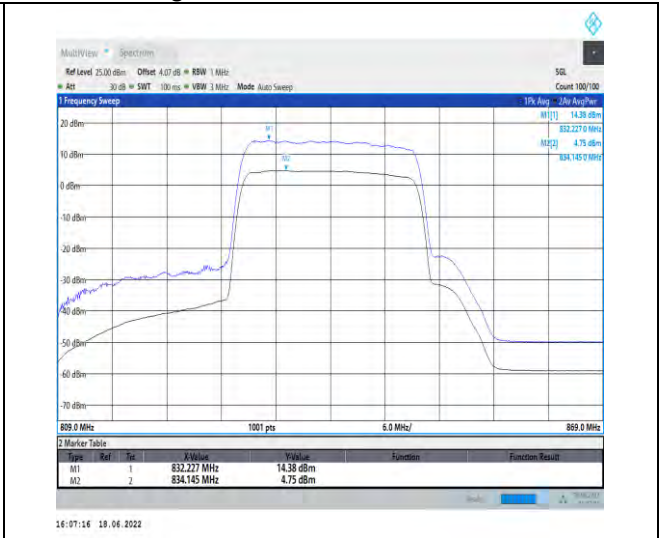
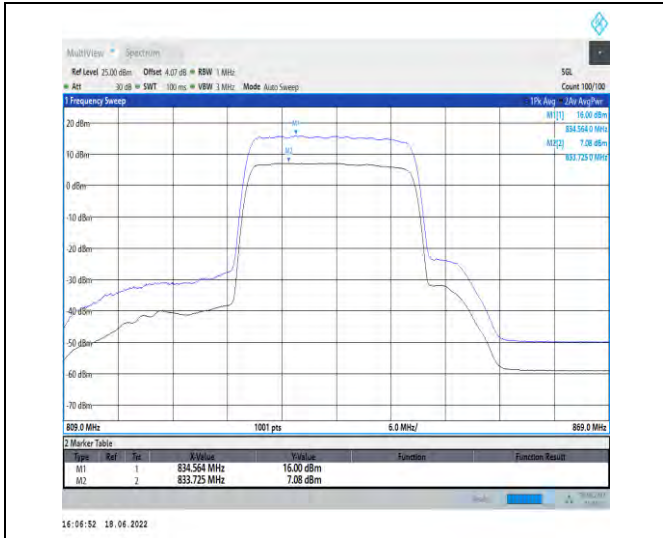
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Test Graphs



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1-N5--15-20-H-1-DFT-256QAM-Outer\_Full-100@0-A  
nt1-8.92-100%-0.00-8.92-PASS-≤13

1-N5--15-20-H-2-CP-256QAM-Outer\_Full-106@0-A  
nt1-9.63-100%-0.00-9.63-PASS-≤13



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## Modulation characteristics for SA

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config  | Result    | Verdict |
|------|-----|-----------|-------------|---------|------------|-----------|---------|
| N5   | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | DFT-QPSK    | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | DFT-16QAM   | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | DFT-64QAM   | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | DFT-256QAM  | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | CP-QPSK     | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | CP-16QAM    | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | CP-64QAM    | M       | Outer_Full | see graph | PASS    |
| N5   | 15  | 20        | CP-256QAM   | M       | Outer_Full | see graph | PASS    |



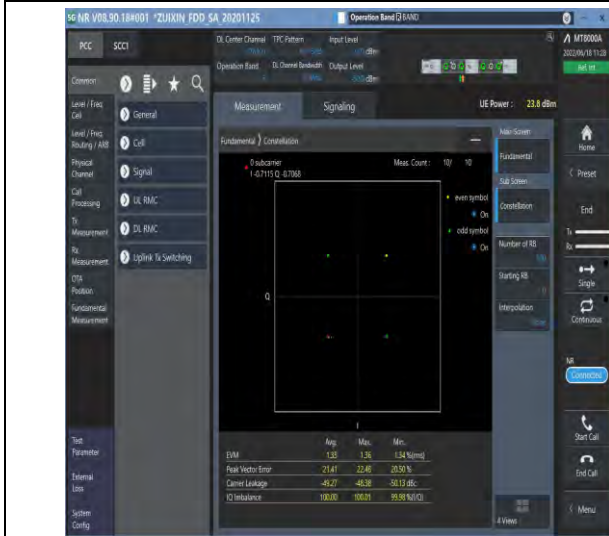
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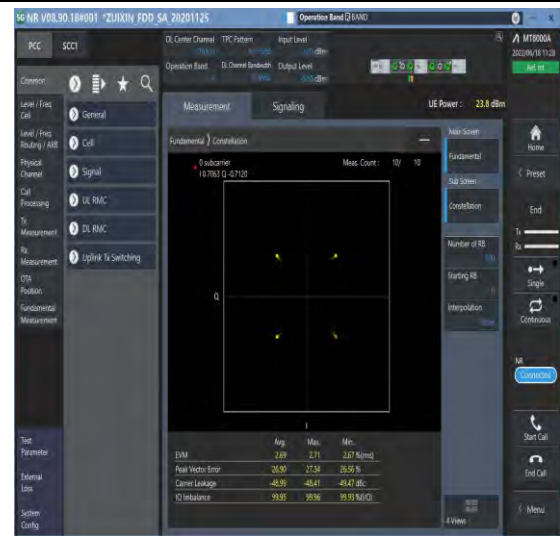
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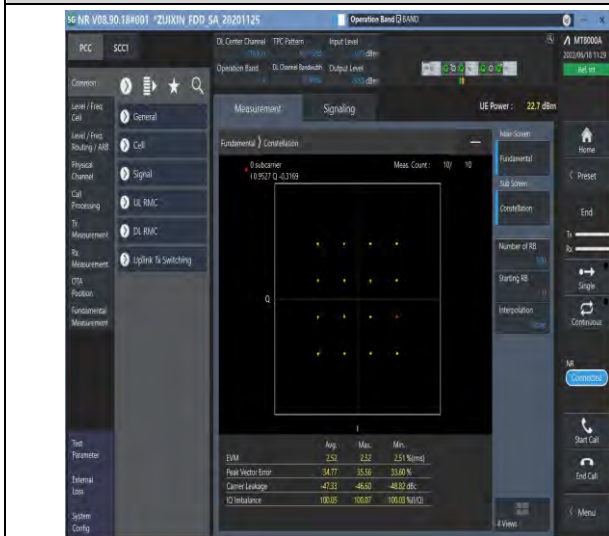
Test Graphs



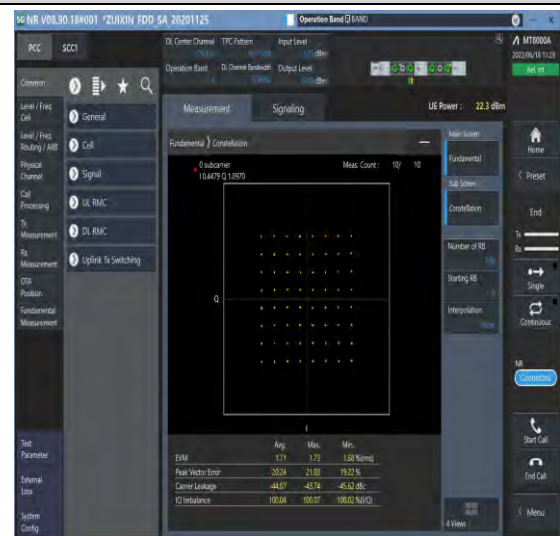
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1-N5--15-20-M-2-DFT-QPSK-Outer\_Full-100@0-Ant  
 1-see graph-PASS



1-N5--15-20-M-3-DFT-16QAM-Outer\_Full-100@0-Ant  
 1-see graph-PASS



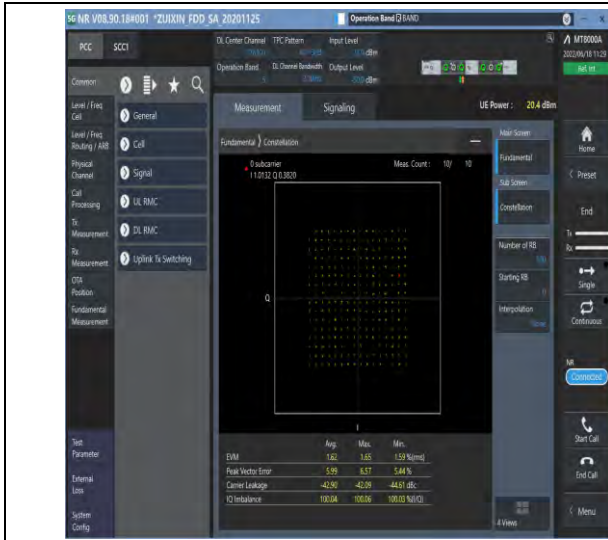
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 nt1-see graph-PASS



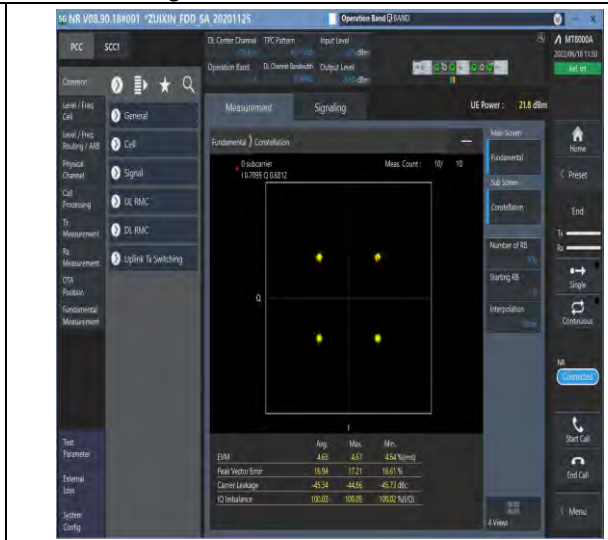
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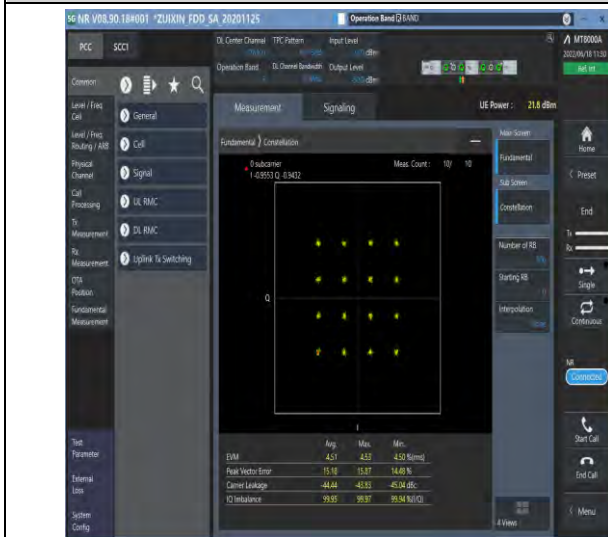
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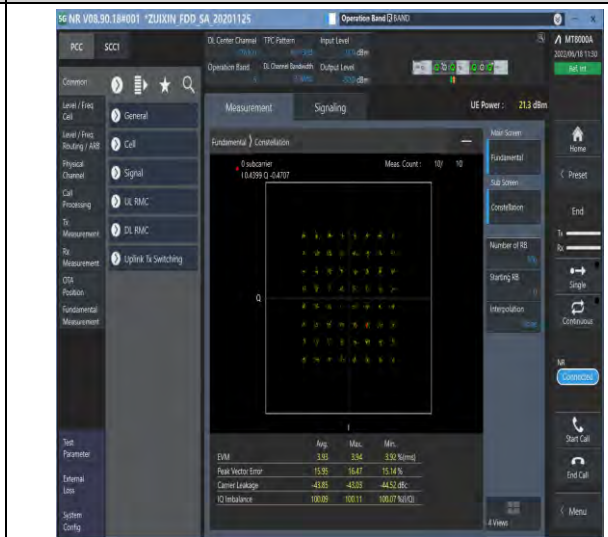
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1-N5--15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1-see graph-PASS



1-N5--15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant1-see graph-PASS



1-N5--15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1-see graph-PASS

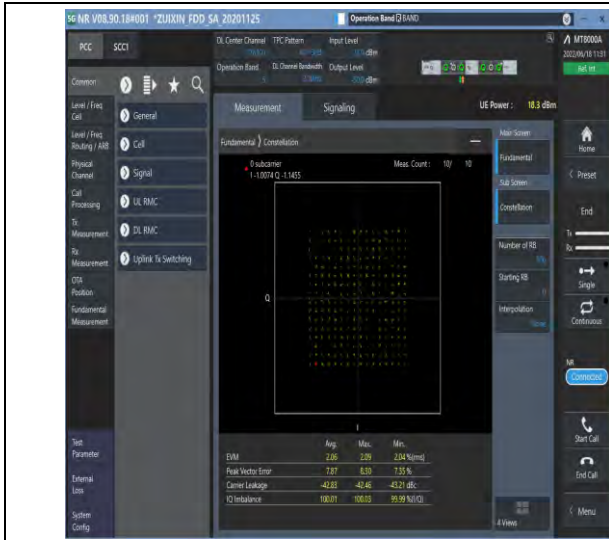


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1-N5--15-20-M-9-CP-256QAM-Outer\_Full-106@0-Ant  
1-see graph-PASS



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## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|------|-----|-----------|-------------|---------|------------|--------------|---------------|---------|
| N5   | 15  | 5         | DFT-QPSK    | L       | Outer_Full | 4.472        | 4.790         | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full | 4.466        | 4.860         | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | L       | Outer_Full | 4.47         | 4.910         | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | L       | Outer_Full | 4.462        | 4.870         | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | L       | Outer_Full | 4.472        | 4.880         | PASS    |
| N5   | 15  | 5         | CP-QPSK     | L       | Outer_Full | 4.467        | 4.910         | PASS    |
| N5   | 15  | 5         | CP-16QAM    | L       | Outer_Full | 4.464        | 4.830         | PASS    |
| N5   | 15  | 5         | CP-64QAM    | L       | Outer_Full | 4.472        | 4.890         | PASS    |
| N5   | 15  | 5         | CP-256QAM   | L       | Outer_Full | 4.474        | 4.920         | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | M       | Outer_Full | 4.48         | 4.860         | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full | 4.454        | 4.870         | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | M       | Outer_Full | 4.47         | 4.920         | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | M       | Outer_Full | 4.476        | 4.900         | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | M       | Outer_Full | 4.462        | 4.840         | PASS    |
| N5   | 15  | 5         | CP-QPSK     | M       | Outer_Full | 4.462        | 4.880         | PASS    |
| N5   | 15  | 5         | CP-16QAM    | M       | Outer_Full | 4.462        | 4.820         | PASS    |
| N5   | 15  | 5         | CP-64QAM    | M       | Outer_Full | 4.475        | 4.950         | PASS    |
| N5   | 15  | 5         | CP-256QAM   | M       | Outer_Full | 4.47         | 4.870         | PASS    |
| N5   | 15  | 5         | DFT-QPSK    | H       | Outer_Full | 4.488        | 4.790         | PASS    |
| N5   | 15  | 5         | DFT-PI2BPSK | H       | Outer_Full | 4.468        | 4.880         | PASS    |
| N5   | 15  | 5         | DFT-16QAM   | H       | Outer_Full | 4.468        | 4.860         | PASS    |
| N5   | 15  | 5         | DFT-64QAM   | H       | Outer_Full | 4.477        | 4.920         | PASS    |
| N5   | 15  | 5         | DFT-256QAM  | H       | Outer_Full | 4.47         | 4.900         | PASS    |
| N5   | 15  | 5         | CP-QPSK     | H       | Outer_Full | 4.463        | 4.860         | PASS    |
| N5   | 15  | 5         | CP-16QAM    | H       | Outer_Full | 4.477        | 4.870         | PASS    |
| N5   | 15  | 5         | CP-64QAM    | H       | Outer_Full | 4.471        | 4.880         | PASS    |
| N5   | 15  | 5         | CP-256QAM   | H       | Outer_Full | 4.476        | 4.870         | PASS    |
| N5   | 15  | 10        | DFT-QPSK    | L       | Outer_Full | 8.919        | 9.500         | PASS    |
| N5   | 15  | 10        | DFT-PI2BPSK | L       | Outer_Full | 8.932        | 9.540         | PASS    |
| N5   | 15  | 10        | DFT-16QAM   | L       | Outer_Full | 8.918        | 9.520         | PASS    |
| N5   | 15  | 10        | DFT-64QAM   | L       | Outer_Full | 8.941        | 9.560         | PASS    |
| N5   | 15  | 10        | DFT-256QAM  | L       | Outer_Full | 8.922        | 9.560         | PASS    |



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|    |    |    |             |   |            |        |        |      |
|----|----|----|-------------|---|------------|--------|--------|------|
| N5 | 15 | 10 | CP-QPSK     | L | Outer_Full | 9.292  | 9.880  | PASS |
| N5 | 15 | 10 | CP-16QAM    | L | Outer_Full | 9.268  | 9.840  | PASS |
| N5 | 15 | 10 | CP-64QAM    | L | Outer_Full | 9.292  | 9.820  | PASS |
| N5 | 15 | 10 | CP-256QAM   | L | Outer_Full | 9.279  | 9.840  | PASS |
| N5 | 15 | 10 | DFT-QPSK    | M | Outer_Full | 8.916  | 9.500  | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | 8.906  | 9.500  | PASS |
| N5 | 15 | 10 | DFT-16QAM   | M | Outer_Full | 8.941  | 9.420  | PASS |
| N5 | 15 | 10 | DFT-64QAM   | M | Outer_Full | 8.929  | 9.520  | PASS |
| N5 | 15 | 10 | DFT-256QAM  | M | Outer_Full | 8.933  | 9.460  | PASS |
| N5 | 15 | 10 | CP-QPSK     | M | Outer_Full | 9.298  | 9.920  | PASS |
| N5 | 15 | 10 | CP-16QAM    | M | Outer_Full | 9.282  | 9.780  | PASS |
| N5 | 15 | 10 | CP-64QAM    | M | Outer_Full | 9.307  | 9.800  | PASS |
| N5 | 15 | 10 | CP-256QAM   | M | Outer_Full | 9.302  | 9.900  | PASS |
| N5 | 15 | 10 | DFT-QPSK    | H | Outer_Full | 8.921  | 9.580  | PASS |
| N5 | 15 | 10 | DFT-PI2BPSK | H | Outer_Full | 8.939  | 11.560 | PASS |
| N5 | 15 | 10 | DFT-16QAM   | H | Outer_Full | 8.915  | 9.500  | PASS |
| N5 | 15 | 10 | DFT-64QAM   | H | Outer_Full | 8.926  | 9.520  | PASS |
| N5 | 15 | 10 | DFT-256QAM  | H | Outer_Full | 8.926  | 9.440  | PASS |
| N5 | 15 | 10 | CP-QPSK     | H | Outer_Full | 9.294  | 9.840  | PASS |
| N5 | 15 | 10 | CP-16QAM    | H | Outer_Full | 9.274  | 9.800  | PASS |
| N5 | 15 | 10 | CP-64QAM    | H | Outer_Full | 9.292  | 9.900  | PASS |
| N5 | 15 | 10 | CP-256QAM   | H | Outer_Full | 9.269  | 9.960  | PASS |
| N5 | 15 | 15 | DFT-QPSK    | L | Outer_Full | 13.436 | 14.100 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | L | Outer_Full | 13.419 | 14.250 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | L | Outer_Full | 13.417 | 14.130 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | L | Outer_Full | 13.434 | 14.190 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | L | Outer_Full | 13.434 | 14.160 | PASS |
| N5 | 15 | 15 | CP-QPSK     | L | Outer_Full | 14.095 | 14.940 | PASS |
| N5 | 15 | 15 | CP-16QAM    | L | Outer_Full | 14.051 | 14.880 | PASS |
| N5 | 15 | 15 | CP-64QAM    | L | Outer_Full | 14.125 | 14.820 | PASS |
| N5 | 15 | 15 | CP-256QAM   | L | Outer_Full | 14.151 | 14.910 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | M | Outer_Full | 13.446 | 14.190 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | 13.408 | 14.250 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | M | Outer_Full | 13.432 | 14.220 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | M | Outer_Full | 13.423 | 14.280 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | M | Outer_Full | 13.435 | 14.250 | PASS |
| N5 | 15 | 15 | CP-QPSK     | M | Outer_Full | 14.084 | 14.940 | PASS |
| N5 | 15 | 15 | CP-16QAM    | M | Outer_Full | 14.093 | 14.880 | PASS |



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|    |    |    |             |   |            |        |        |      |
|----|----|----|-------------|---|------------|--------|--------|------|
| N5 | 15 | 15 | CP-64QAM    | M | Outer_Full | 14.113 | 14.850 | PASS |
| N5 | 15 | 15 | CP-256QAM   | M | Outer_Full | 14.137 | 14.970 | PASS |
| N5 | 15 | 15 | DFT-QPSK    | H | Outer_Full | 13.463 | 14.220 | PASS |
| N5 | 15 | 15 | DFT-PI2BPSK | H | Outer_Full | 13.408 | 14.100 | PASS |
| N5 | 15 | 15 | DFT-16QAM   | H | Outer_Full | 13.403 | 14.160 | PASS |
| N5 | 15 | 15 | DFT-64QAM   | H | Outer_Full | 13.413 | 14.220 | PASS |
| N5 | 15 | 15 | DFT-256QAM  | H | Outer_Full | 13.43  | 14.250 | PASS |
| N5 | 15 | 15 | CP-QPSK     | H | Outer_Full | 14.058 | 14.850 | PASS |
| N5 | 15 | 15 | CP-16QAM    | H | Outer_Full | 14.106 | 14.850 | PASS |
| N5 | 15 | 15 | CP-64QAM    | H | Outer_Full | 14.123 | 14.820 | PASS |
| N5 | 15 | 15 | CP-256QAM   | H | Outer_Full | 14.129 | 14.910 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | L | Outer_Full | 17.831 | 18.680 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | L | Outer_Full | 17.858 | 18.720 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | L | Outer_Full | 17.857 | 18.720 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | L | Outer_Full | 17.841 | 18.640 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | L | Outer_Full | 17.828 | 18.760 | PASS |
| N5 | 15 | 20 | CP-QPSK     | L | Outer_Full | 18.874 | 19.800 | PASS |
| N5 | 15 | 20 | CP-16QAM    | L | Outer_Full | 18.899 | 19.760 | PASS |
| N5 | 15 | 20 | CP-64QAM    | L | Outer_Full | 18.879 | 19.840 | PASS |
| N5 | 15 | 20 | CP-256QAM   | L | Outer_Full | 18.883 | 19.680 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | M | Outer_Full | 17.847 | 18.640 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | M | Outer_Full | 17.848 | 18.680 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | M | Outer_Full | 17.847 | 18.600 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | M | Outer_Full | 17.838 | 18.680 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | M | Outer_Full | 17.848 | 18.720 | PASS |
| N5 | 15 | 20 | CP-QPSK     | M | Outer_Full | 18.861 | 19.640 | PASS |
| N5 | 15 | 20 | CP-16QAM    | M | Outer_Full | 18.918 | 19.680 | PASS |
| N5 | 15 | 20 | CP-64QAM    | M | Outer_Full | 18.857 | 19.720 | PASS |
| N5 | 15 | 20 | CP-256QAM   | M | Outer_Full | 18.876 | 19.680 | PASS |
| N5 | 15 | 20 | DFT-QPSK    | H | Outer_Full | 17.844 | 18.680 | PASS |
| N5 | 15 | 20 | DFT-PI2BPSK | H | Outer_Full | 17.876 | 18.640 | PASS |
| N5 | 15 | 20 | DFT-16QAM   | H | Outer_Full | 17.847 | 18.720 | PASS |
| N5 | 15 | 20 | DFT-64QAM   | H | Outer_Full | 17.829 | 18.640 | PASS |
| N5 | 15 | 20 | DFT-256QAM  | H | Outer_Full | 17.832 | 18.640 | PASS |
| N5 | 15 | 20 | CP-QPSK     | H | Outer_Full | 18.868 | 19.760 | PASS |
| N5 | 15 | 20 | CP-16QAM    | H | Outer_Full | 18.861 | 19.720 | PASS |
| N5 | 15 | 20 | CP-64QAM    | H | Outer_Full | 18.88  | 19.760 | PASS |
| N5 | 15 | 20 | CP-256QAM   | H | Outer_Full | 18.852 | 19.720 | PASS |



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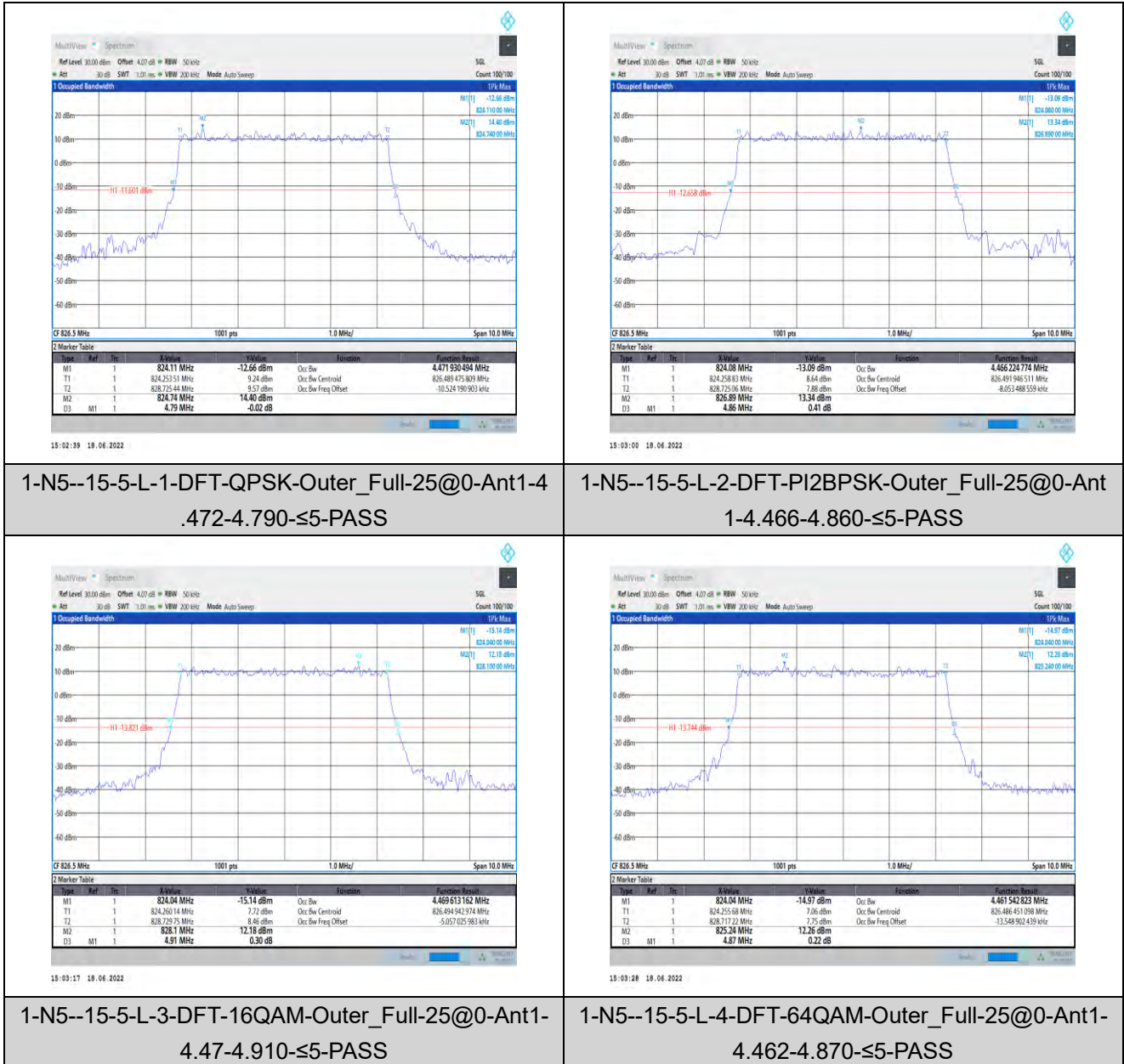
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Test Graphs



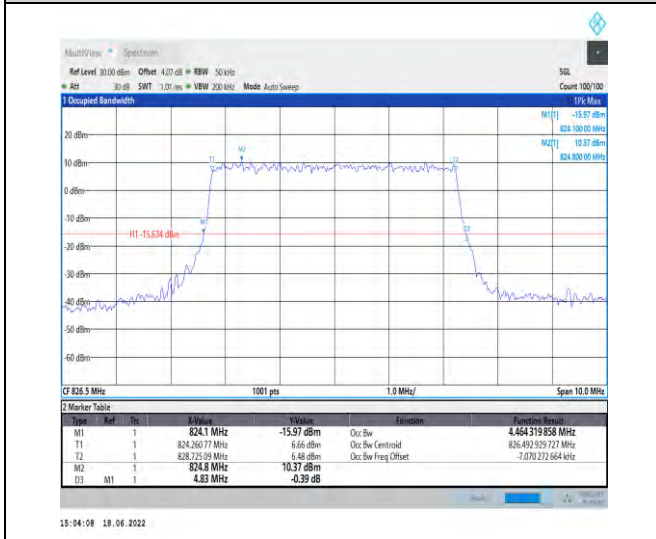
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1-N5--15-5-L-5-DFT-256QAM-Outer\_Full-25@0-Ant  
1-4.472-4.880-≤5-PASS



1-N5--15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.4  
67-4.910-≤5-PASS



1-N5--15-5-L-7-CP-16QAM-Outer\_Full-25@0-Ant1-4  
.464-4.830-≤5-PASS



1-N5--15-5-L-8-CP-64QAM-Outer\_Full-25@0-Ant1-4  
.472-4.890-≤5-PASS



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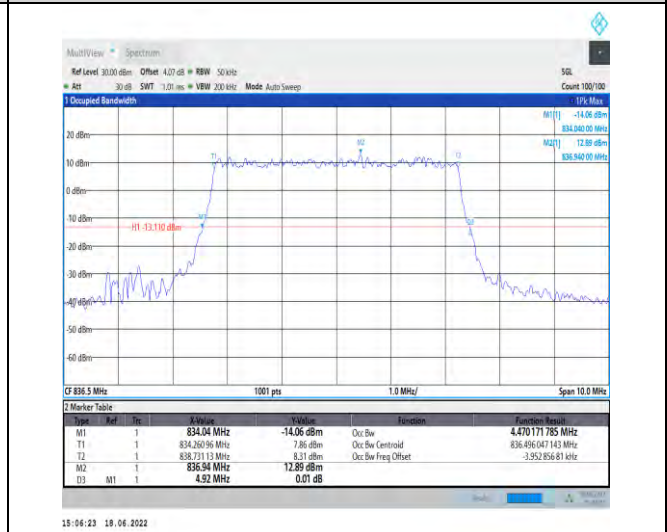
1-N5--15-5-L-9-CP-256QAM-Outer\_Full-25@0-Ant1-4.474-4.920-≤5-PASS



1-N5--15-5-M-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4.48-4.860-≤5-PASS



1-N5--15-5-M-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-4.454-4.870-≤5-PASS



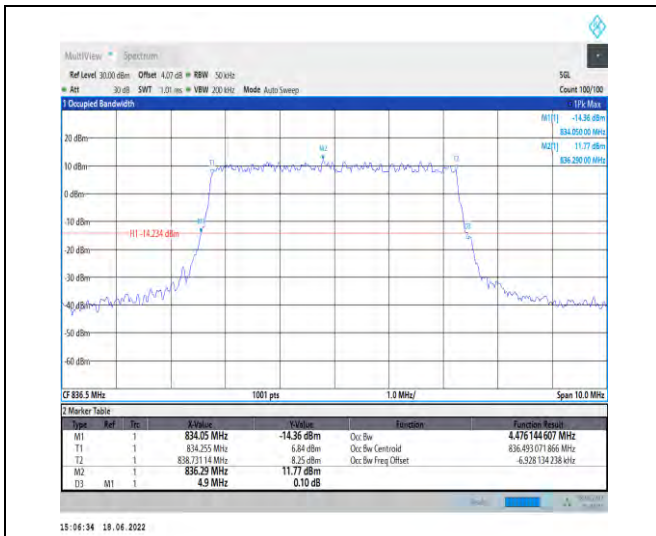
1-N5--15-5-M-3-DFT-16QAM-Outer\_Full-25@0-Ant1-4.47-4.920-≤5-PASS



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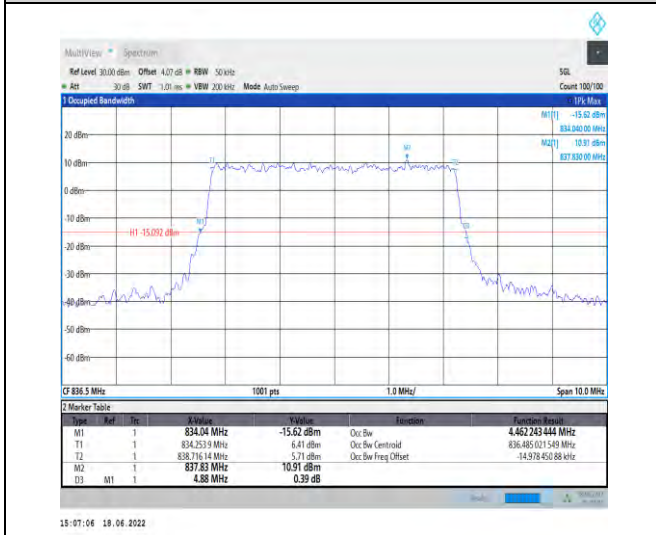
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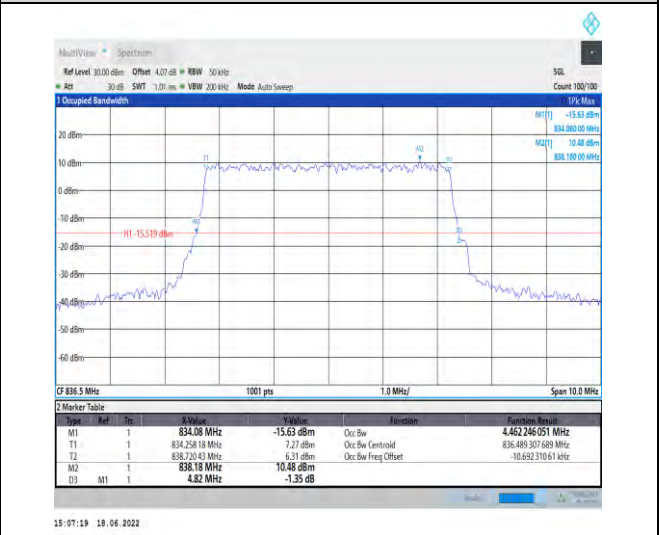
1-N5--15-5-M-4-DFT-64QAM-Outer\_Full-25@0-Ant1  
-4.476-4.900-≤5-PASS



1-N5--15-5-M-5-DFT-256QAM-Outer\_Full-25@0-Ant  
1-4.462-4.840-≤5-PASS



1-N5--15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.  
462-4.880-≤5-PASS



1-N5--15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant1-  
4.462-4.820-≤5-PASS



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1-N5--15-5-M-8-CP-64QAM-Outer\_Full-25@0-Ant1-  
.4.475-4.950-≤5-PASS

1-N5--15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant1  
-4.47-4.870-≤5-PASS



1-N5--15-5-H-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4  
.488-4.790-≤5-PASS

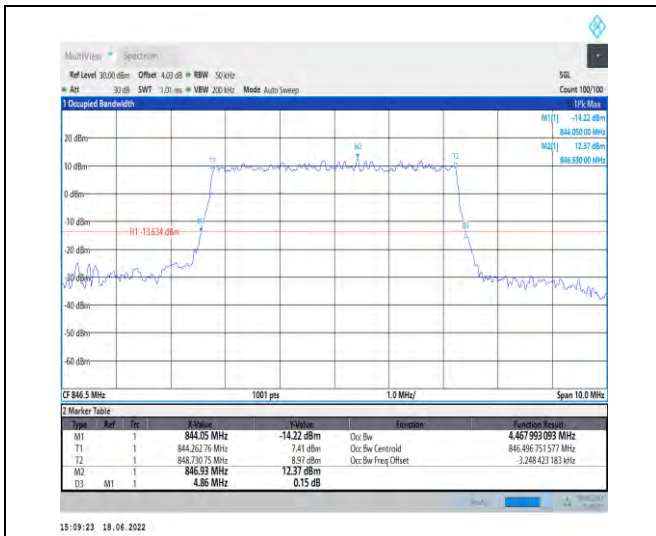
1-N5--15-5-H-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant  
1-4.468-4.880-≤5-PASS



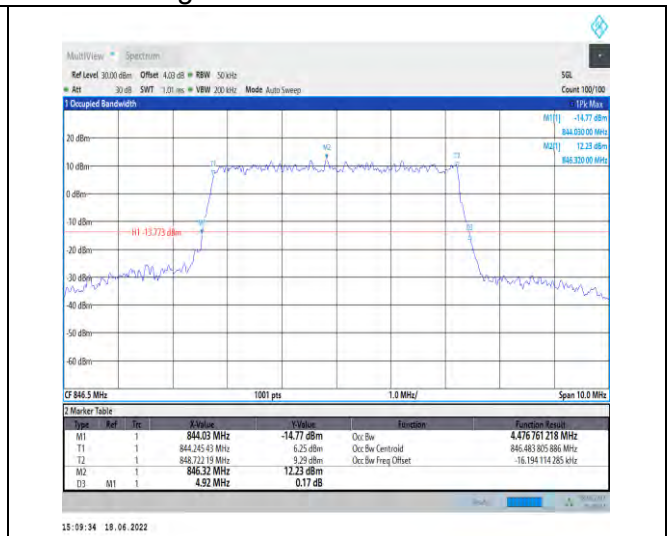
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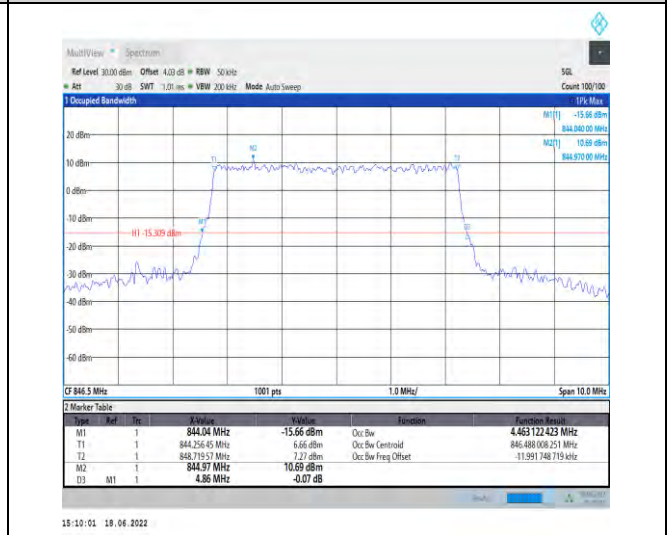
1-N5--15-5-H-3-DFT-16QAM-Outer\_Full-25@0-Ant1-4.468-4.860-≤5-PASS



1-N5--15-5-H-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4.477-4.920-≤5-PASS



1-N5--15-5-H-5-DFT-256QAM-Outer\_Full-25@0-Ant 1-4.47-4.900-≤5-PASS



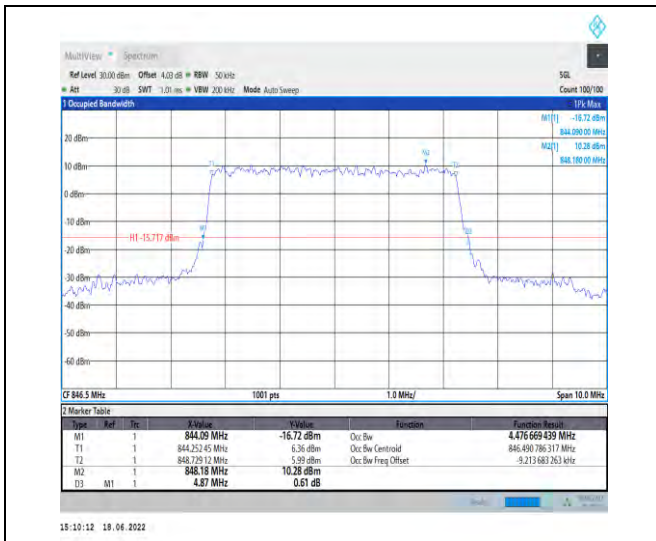
1-N5--15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-4-463-4.860-≤5-PASS



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1-N5--15-5-H-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.477-4.870-≤5-PASS



1-N5--15-5-H-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.471-4.880-≤5-PASS



1-N5--15-5-H-9-CP-256QAM-Outer\_Full-25@0-Ant1-4.476-4.870-≤5-PASS



1-N5--15-10-L-1-DFT-QPSK-Outer\_Full-50@0-Ant1-8.919-9.500-≤10-PASS



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1-N5--15-10-L-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant  
t1-8.932-9.540-≤10-PASS



1-N5--15-10-L-3-DFT-16QAM-Outer\_Full-50@0-Ant1  
-8.918-9.520-≤10-PASS



1-N5--15-10-L-4-DFT-64QAM-Outer\_Full-50@0-Ant  
1-8.941-9.560-≤10-PASS



1-N5--15-10-L-5-DFT-256QAM-Outer\_Full-50@0-Ant  
1-8.922-9.560-≤10-PASS



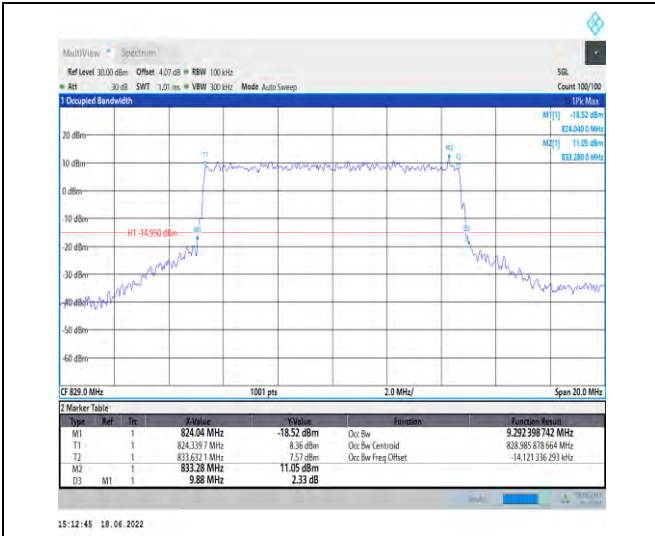
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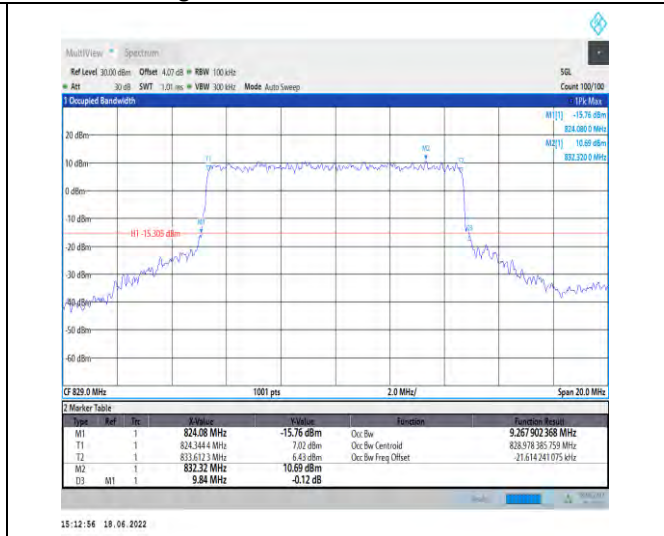
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1-N5--15-10-L-6-CP-QPSK-Outer\_Full-52@0-Ant1-9  
-18.550 ≤ -10-PASS



1-N5--15-10-L-7-CP-16QAM-Outer\_Full-52@0-Ant1-9  
-15.305 ≤ -10-PASS



1-N5--15-10-L-8-CP-64QAM-Outer\_Full-52@0-Ant1-9  
-18.947 ≤ -10-PASS



1-N5--15-10-L-9-CP-256QAM-Outer\_Full-52@0-Ant1-9  
-17.762 ≤ -10-PASS



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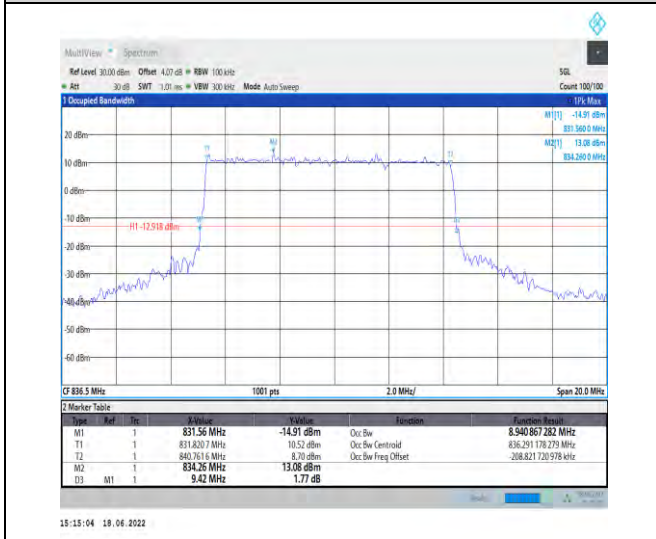
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1-N5--15-10-M-1-DFT-QPSK-Outer\_Full-50@0-Ant1  
-8.916-9.500-≤10-PASS



1-N5--15-10-M-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant1  
-8.906-9.500-≤10-PASS



1-N5--15-10-M-3-DFT-16QAM-Outer\_Full-50@0-Ant1  
1-8.941-9.420-≤10-PASS



1-N5--15-10-M-4-DFT-64QAM-Outer\_Full-50@0-Ant1  
1-8.929-9.520-≤10-PASS



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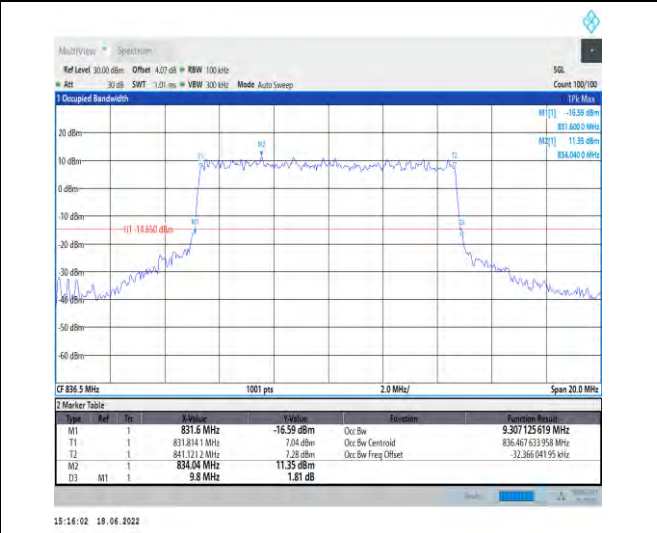
1-N5--15-10-M-5-DFT-256QAM-Outer\_Full-50@0-A  
 nt1-8.933-9.460-≤10-PASS



1-N5--15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant1-9  
 .298-9.920-≤10-PASS



1-N5--15-10-M-7-CP-16QAM-Outer\_Full-52@0-Ant1  
 -9.282-9.780-≤10-PASS



1-N5--15-10-M-8-CP-64QAM-Outer\_Full-52@0-Ant1  
 -9.307-9.800-≤10-PASS



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1-N5--15-10-M-9-CP-256QAM-Outer\_Full-52@0-Ant  
1-9.302-9.900-≤10-PASS



1-N5--15-10-H-1-DFT-QPSK-Outer\_Full-50@0-Ant1  
8.921-9.580-≤10-PASS



1-N5--15-10-H-2-DFT-PI2BPSK-Outer\_Full-50@0-A  
nt1-8.939-11.560-≤10-PASS



1-N5--15-10-H-3-DFT-16QAM-Outer\_Full-50@0-Ant  
1-8.915-9.500-≤10-PASS



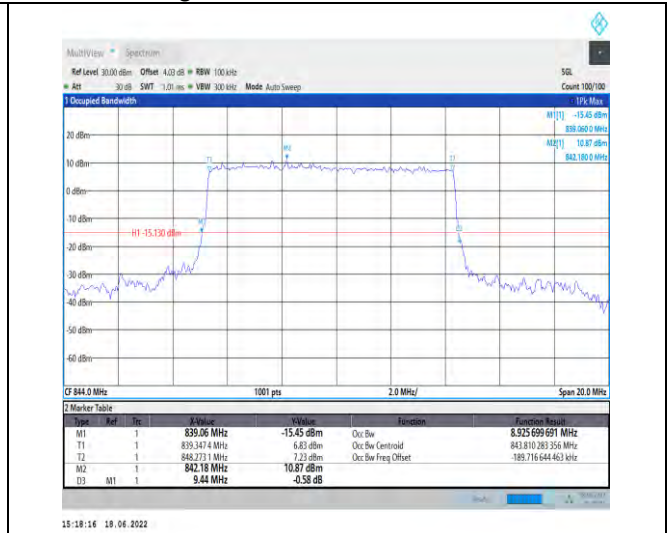
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1-N5--15-10-H-4-DFT-64QAM-Outer\_Full-50@0-Ant  
1-8.926-9.520-≤10-PASS



1-N5--15-10-H-5-DFT-256QAM-Outer\_Full-50@0-Ant  
t1-8.926-9.440-≤10-PASS



1-N5--15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-9  
.294-9.840-≤10-PASS



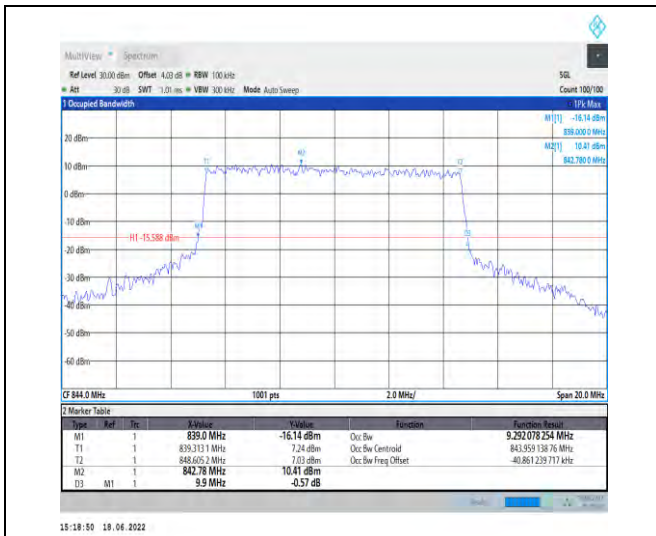
1-N5--15-10-H-7-CP-16QAM-Outer\_Full-52@0-Ant1-9  
9.274-9.800-≤10-PASS



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1-N5--15-10-H-8-CP-64QAM-Outer\_Full-52@0-Ant1  
-9.292-9.900-≤10-PASS



1-N5--15-10-H-9-CP-256QAM-Outer\_Full-52@0-Ant  
1-9.269-9.960-≤10-PASS



1-N5--15-15-L-1-DFT-QPSK-Outer\_Full-75@0-Ant1-  
13.436-14.100-≤15-PASS



1-N5--15-15-L-2-DFT-PI2BPSK-Outer\_Full-75@0-An  
t1-13.419-14.250-≤15-PASS

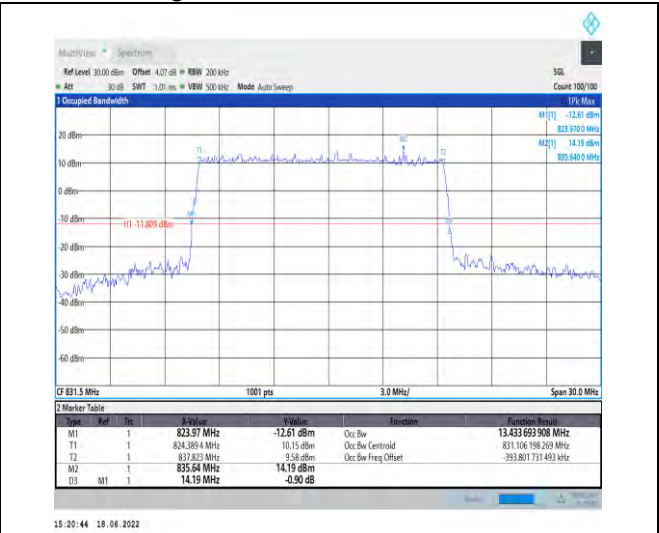
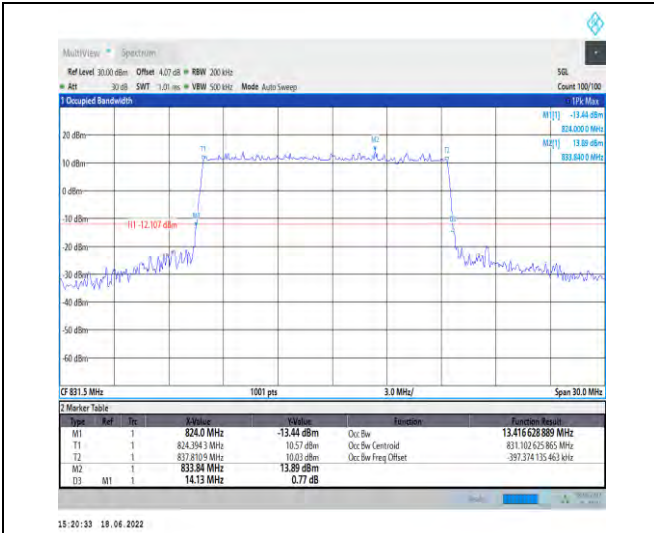


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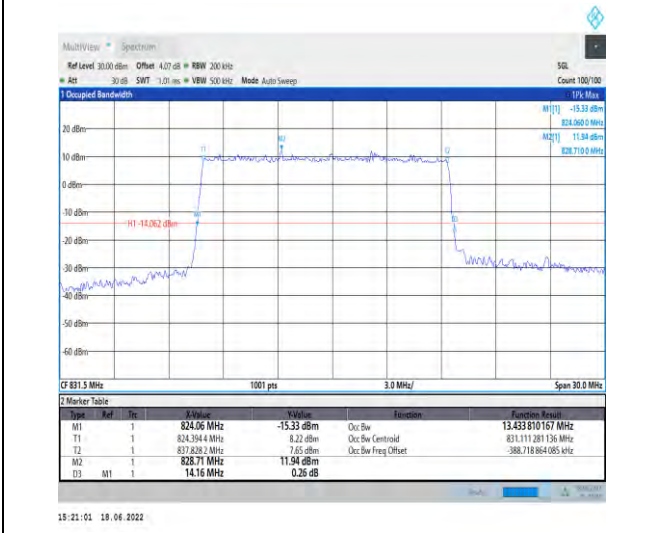
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1-N5--15-15-L-3-DFT-16QAM-Outer\_Full-75@0-Ant  
1-13.417-14.130≤15-PASS

1-N5--15-15-L-4-DFT-64QAM-Outer\_Full-75@0-Ant1  
-13.434-14.190≤15-PASS



1-N5--15-15-L-5-DFT-256QAM-Outer\_Full-75@0-An  
t1-13.434-14.160≤15-PASS

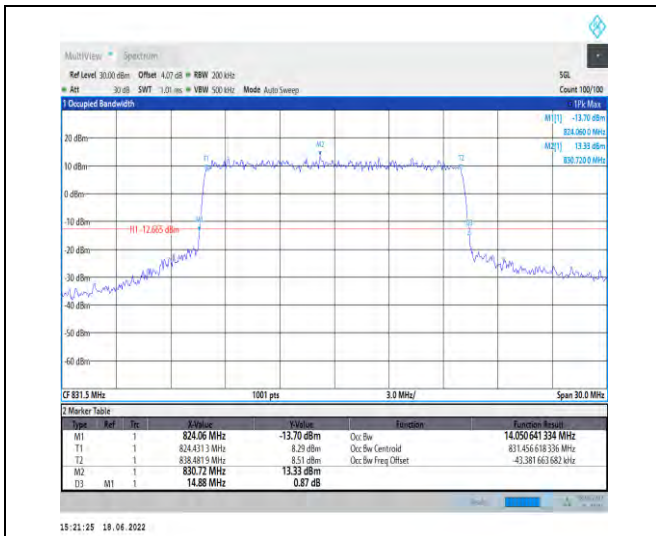
1-N5--15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-1  
4.095-14.940≤15-PASS



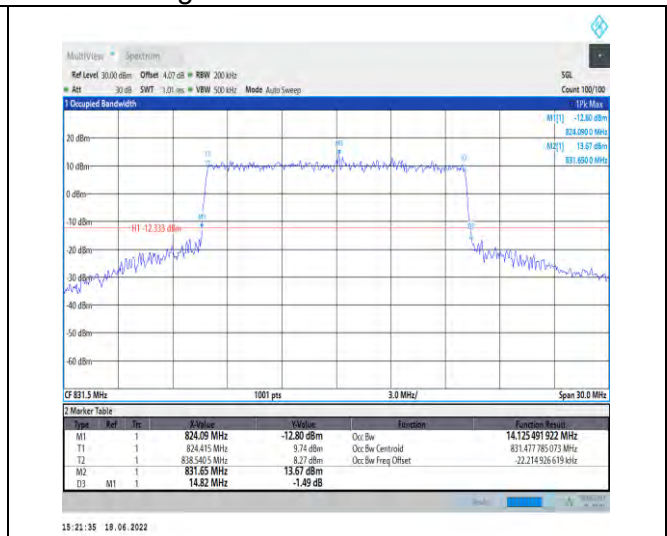
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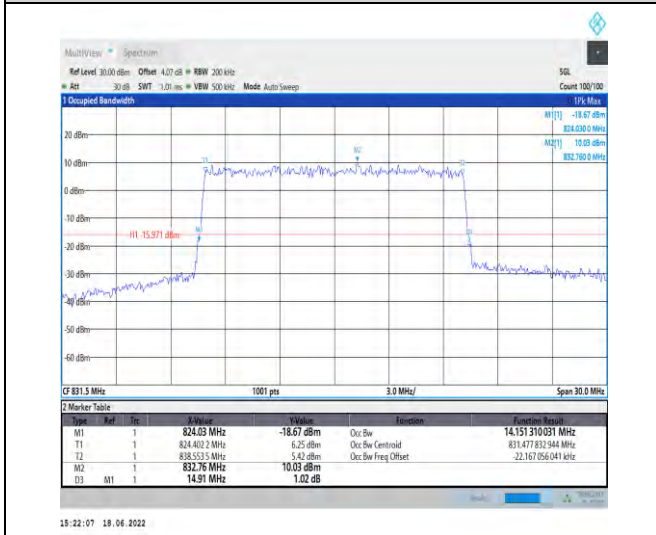
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1-N5--15-15-L-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.051-14.880-≤15-PASS



1-N5--15-15-L-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.125-14.820-≤15-PASS



1-N5--15-15-L-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.151-14.910-≤15-PASS



1-N5--15-15-M-1-DFT-QPSK-Outer\_Full-75@0-Ant1-13.446-14.190-≤15-PASS



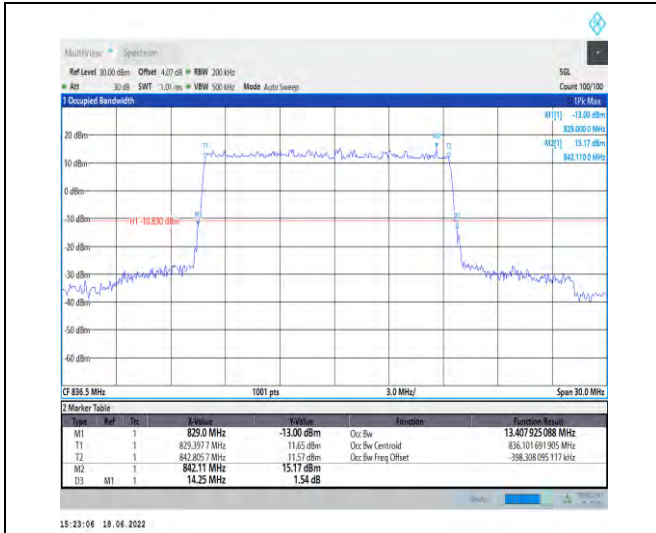
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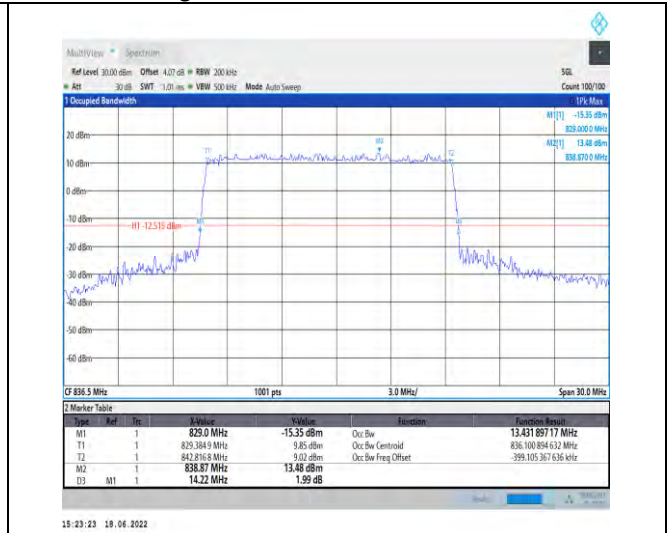
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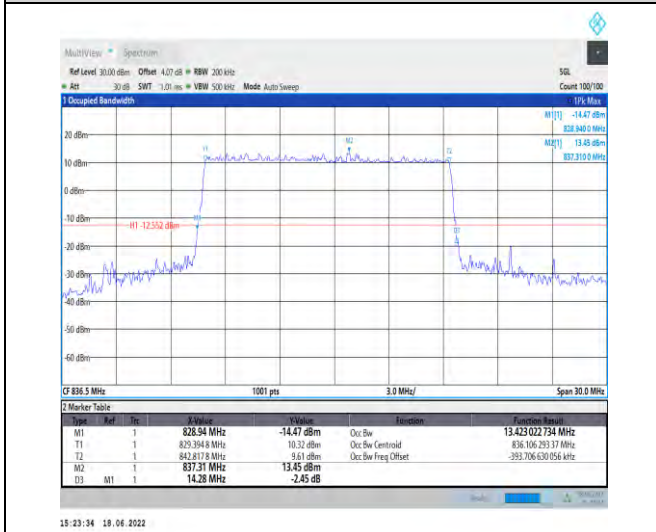




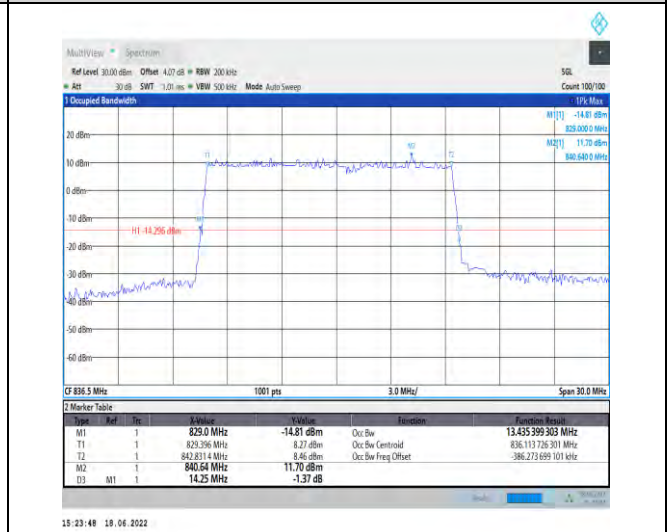
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nt1-13.408-14.250-≤15-PASS



1-N5--15-15-M-3-DFT-16QAM-Outer\_Full-75@0-Ant  
1-13.432-14.220-≤15-PASS



1-N5--15-15-M-4-DFT-64QAM-Outer\_Full-75@0-Ant  
1-13.423-14.280-≤15-PASS



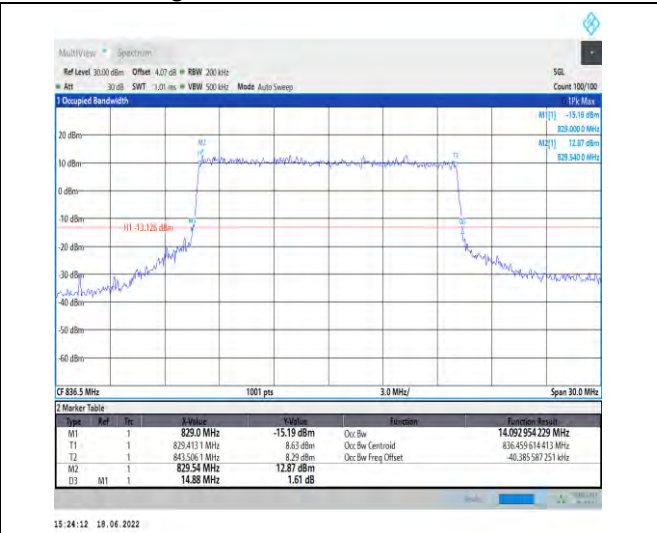
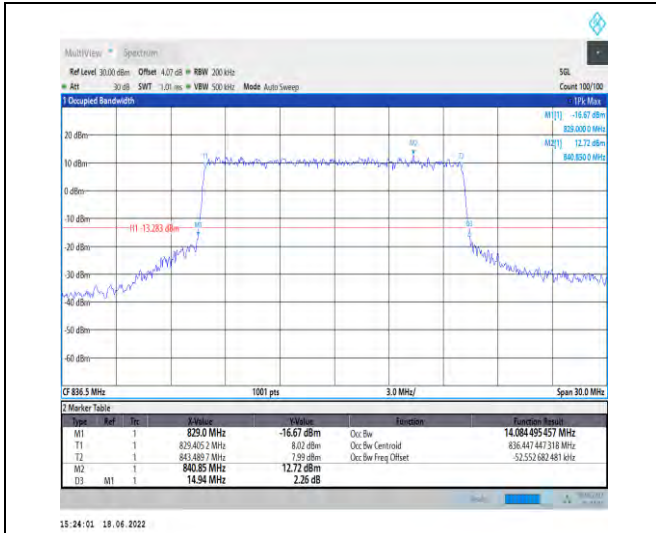
1-N5--15-15-M-5-DFT-256QAM-Outer\_Full-75@0-Ant  
t1-13.435-14.250-≤15-PASS



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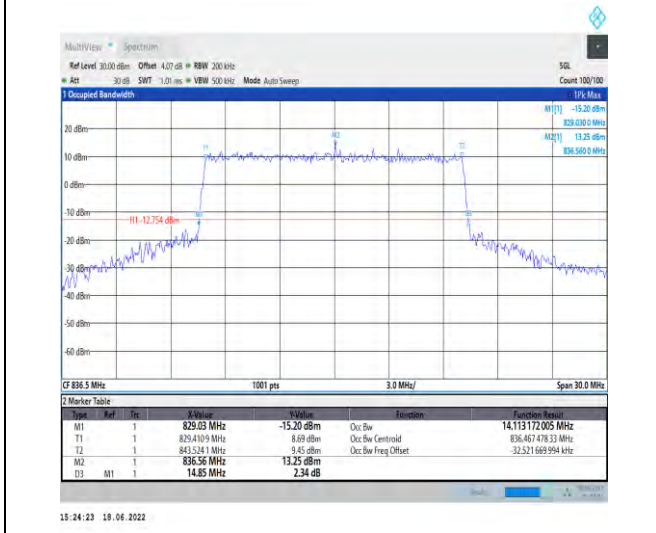
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1-N5--15-15-M-6-CP-QPSK-Outer\_Full-79@0-Ant1-14.084-14.940-≤15-PASS

1-N5--15-15-M-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.093-14.880-≤15-PASS



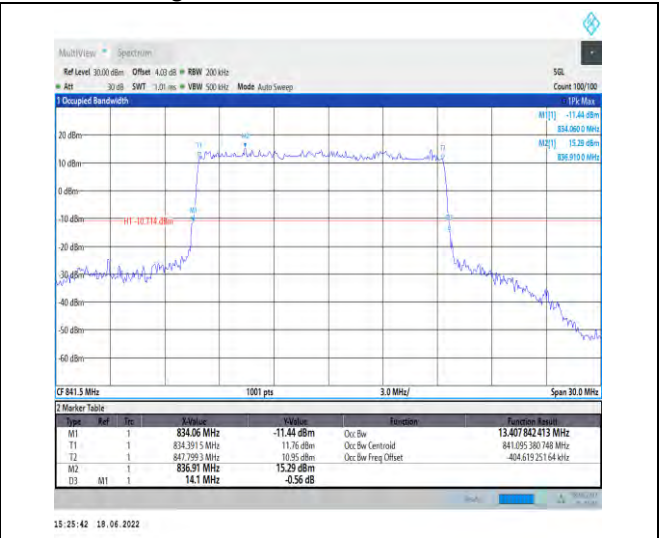
1-N5--15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.113-14.850-≤15-PASS

1-N5--15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.137-14.970-≤15-PASS

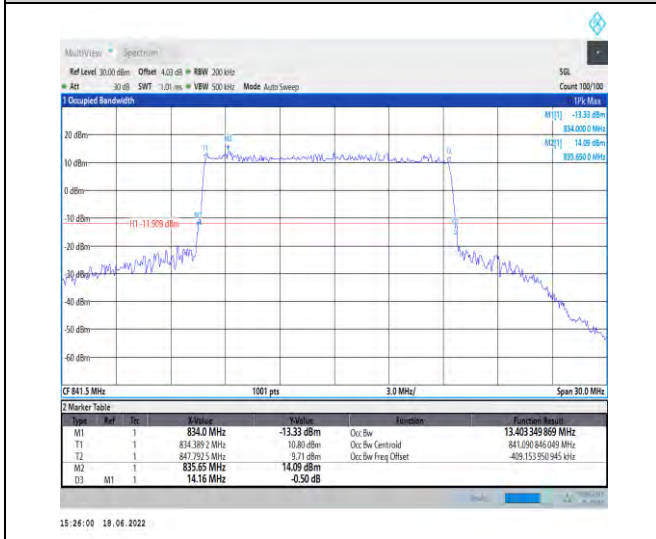




1-N5--15-15-H-1-DFT-QPSK-Outer\_Full-75@0-Ant1-13.463-14.220-≤15-PASS



1-N5--15-15-H-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-13.408-14.100-≤15-PASS



1-N5--15-15-H-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.403-14.160-≤15-PASS



1-N5--15-15-H-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.413-14.220-≤15-PASS



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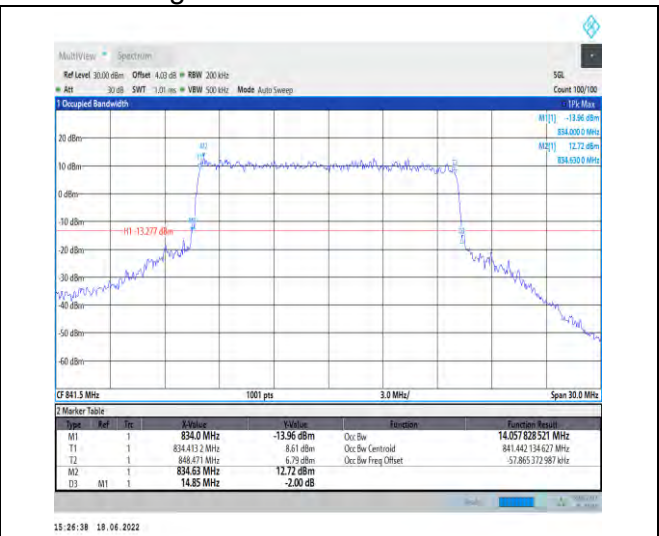
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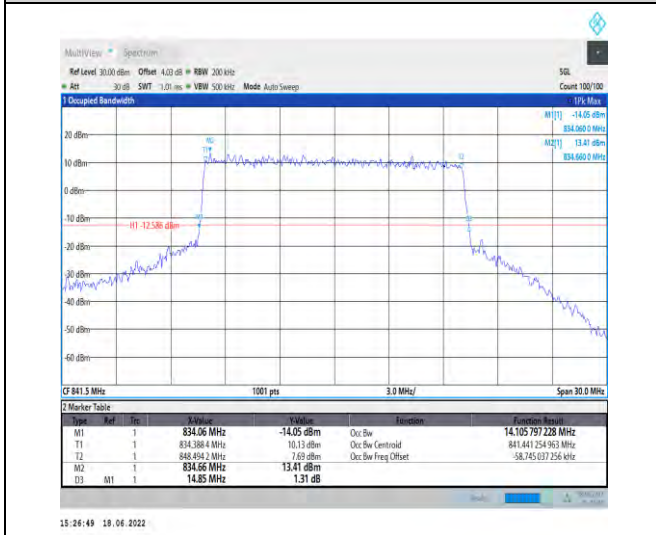
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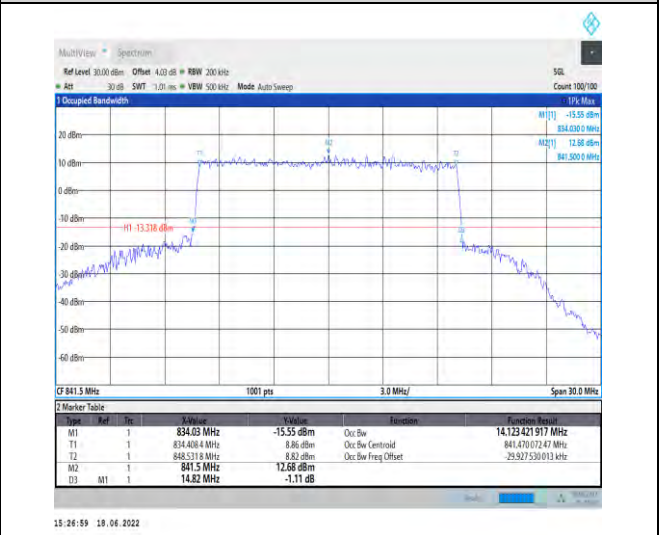
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t1-13.43-14.250- $\leq 15$ -PASS



1-N5--15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-1  
4.058-14.850- $\leq 15$ -PASS



1-N5--15-15-H-7-CP-16QAM-Outer\_Full-79@0-Ant1  
-14.106-14.850- $\leq 15$ -PASS



1-N5--15-15-H-8-CP-64QAM-Outer\_Full-79@0-Ant1-1  
14.123-14.820- $\leq 15$ -PASS



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1-14.129-14.910-≤15-PASS



1-N5--15-20-L-1-DFT-QPSK-Outer\_Full-100@0-Ant1  
-17.831-18.680-≤20-PASS



1-N5--15-20-L-2-DFT-PI2BPSK-Outer\_Full-100@0-A  
nt1-17.858-18.720-≤20-PASS



1-N5--15-20-L-3-DFT-16QAM-Outer\_Full-100@0-Ant  
1-17.857-18.720-≤20-PASS



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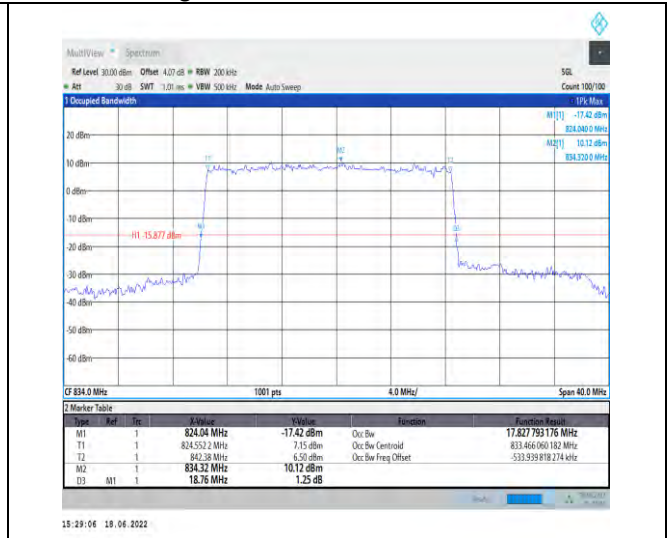
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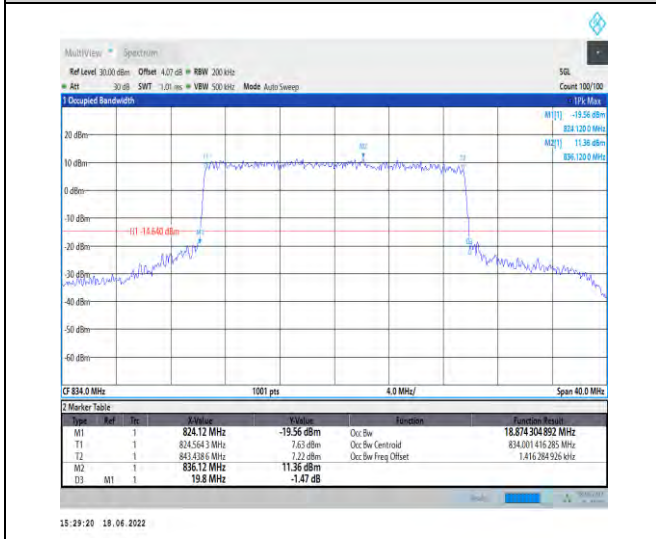
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1-N5--15-20-L-4-DFT-64QAM-Outer\_Full-100@0-An  
t1-17.841-18.640-<=20-PASS



1-N5--15-20-L-5-DFT-256QAM-Outer\_Full-100@0-A  
nt1-17.828-18.760-<=20-PASS



1-N5--15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-  
18.874-19.800-<=20-PASS



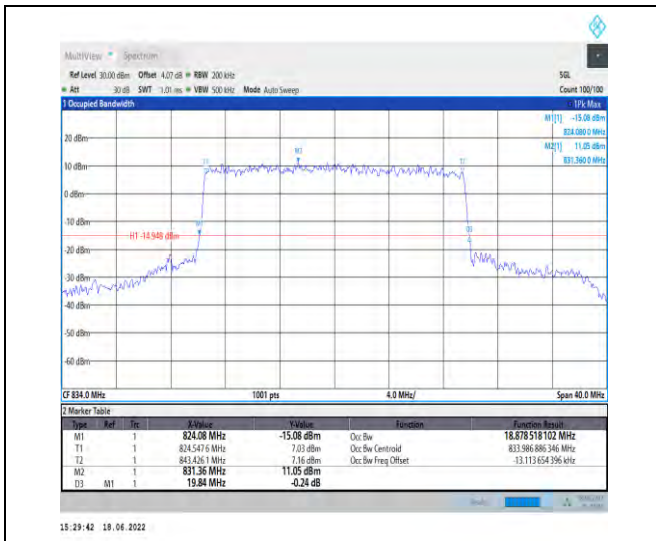
1-N5--15-20-L-7-CP-16QAM-Outer\_Full-106@0-Ant1  
-18.899-19.760-<=20-PASS



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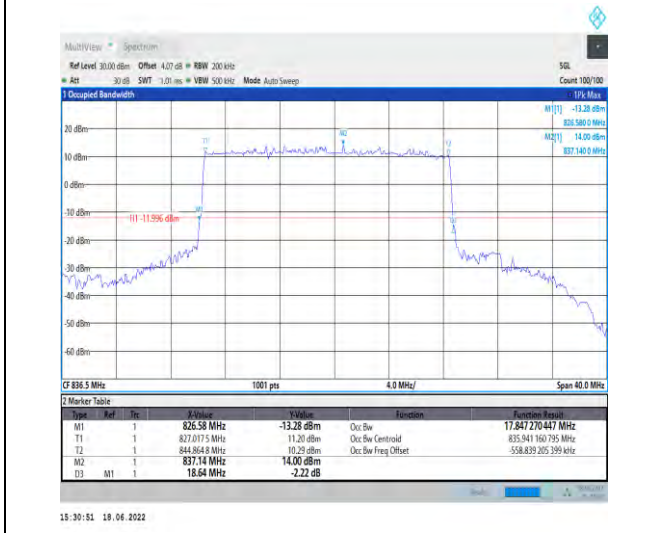
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1-N5--15-20-L-8-CP-64QAM-Outer\_Full-106@0-Ant  
1-18.879-19.840-≤20-PASS



1-N5--15-20-L-9-CP-256QAM-Outer\_Full-106@0-Ant  
1-18.883-19.680-≤20-PASS



1-N5--15-20-M-1-DFT-QPSK-Outer\_Full-100@0-Ant  
1-17.847-18.640-≤20-PASS



1-N5--15-20-M-2-DFT-PI2BPSK-Outer\_Full-100@0-Ant  
1-17.848-18.680-≤20-PASS



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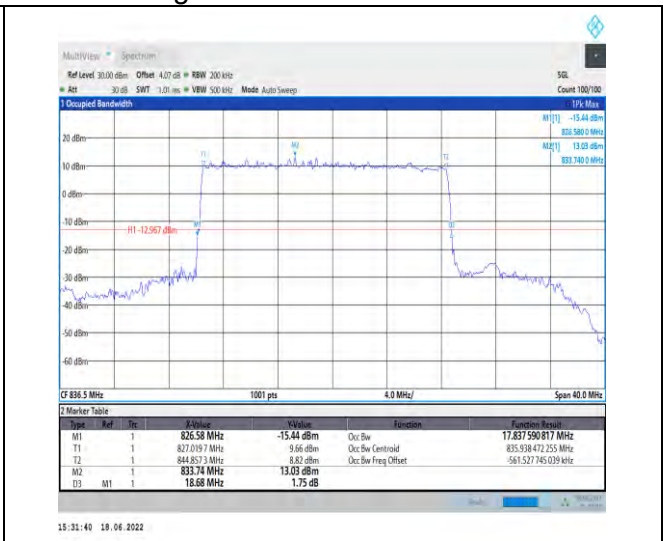
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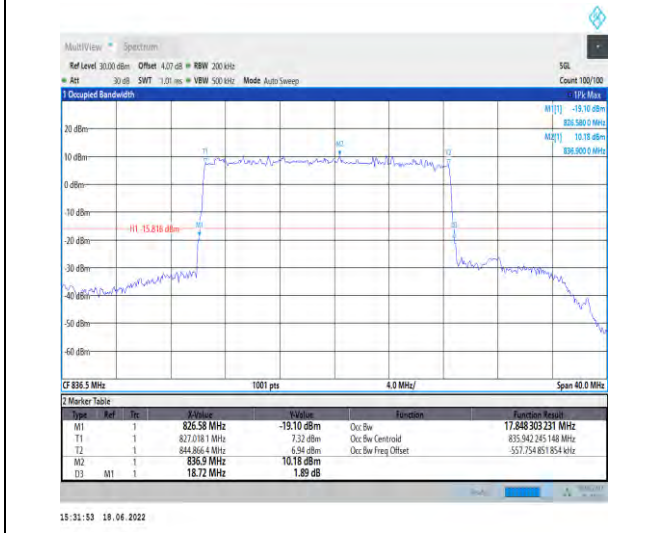
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1-N5--15-20-M-3-DFT-16QAM-Outer\_Full-100@0-A  
nt1-17.847-18.600-≤20-PASS



1-N5--15-20-M-4-DFT-64QAM-Outer\_Full-100@0-A  
nt1-17.838-18.680-≤20-PASS



1-N5--15-20-M-5-DFT-256QAM-Outer\_Full-100@0-A  
Ant1-17.848-18.720-≤20-PASS



1-N5--15-20-M-6-CP-QPSK-Outer\_Full-106@0-A  
Ant1-18.861-19.640-≤20-PASS

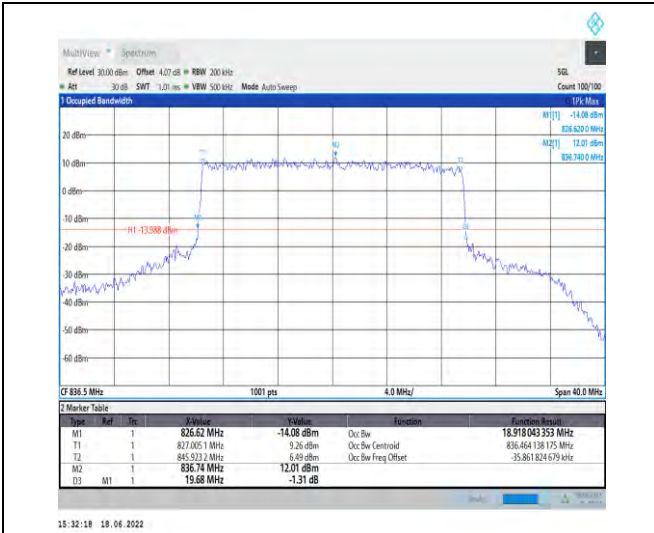


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1-N5--15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant  
1-18.918-19.680-≤20-PASS



1-N5--15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant  
1-18.857-19.720-≤20-PASS



1-N5--15-20-M-9-CP-256QAM-Outer\_Full-106@0-Ant  
nt1-18.876-19.680-≤20-PASS



1-N5--15-20-H-1-DFT-QPSK-Outer\_Full-100@0-Ant  
1-17.844-18.680-≤20-PASS



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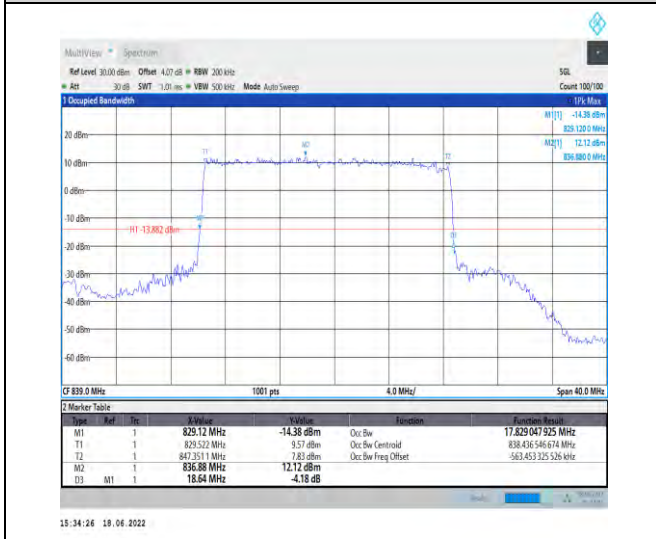
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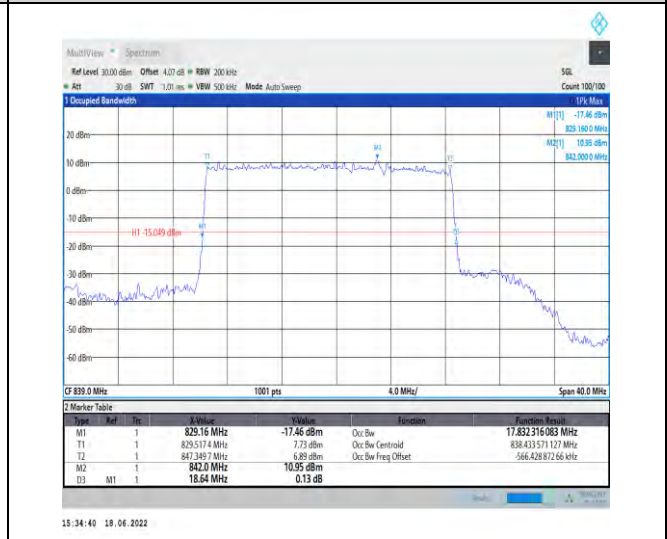
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1-N5--15-20-H-3-DFT-16QAM-Outer\_Full-100@0-Ant1-17.847-18.720-<math>\leq 20</math>-PASS



1-N5--15-20-H-4-DFT-64QAM-Outer\_Full-100@0-Ant1-17.829-18.640-<math>\leq 20</math>-PASS



1-N5--15-20-H-5-DFT-256QAM-Outer\_Full-100@0-Ant1-17.832-18.640-<math>\leq 20</math>-PASS



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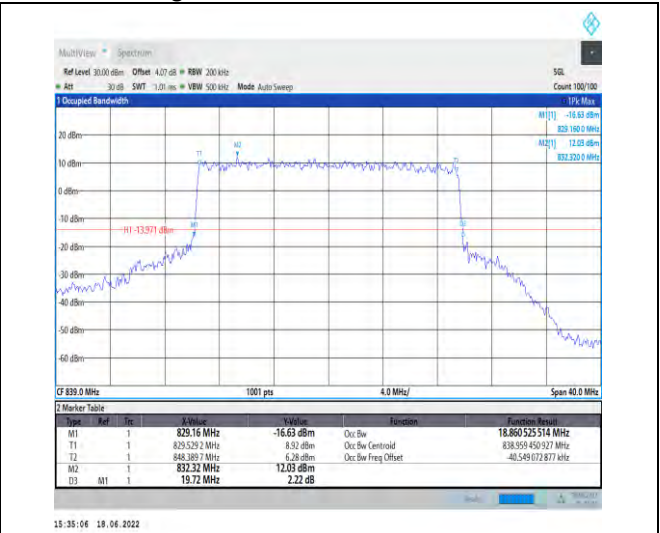
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1-N5--15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1  
18.868-19.760-≤20-PASS



1-N5--15-20-H-7-CP-16QAM-Outer\_Full-106@0-Ant  
1-18.861-19.720-≤20-PASS



1-N5--15-20-H-8-CP-64QAM-Outer\_Full-106@0-Ant  
1-18.88-19.760-≤20-PASS



1-N5--15-20-H-9-CP-256QAM-Outer\_Full-106@0-Ant  
t1-18.852-19.720-≤20-PASS



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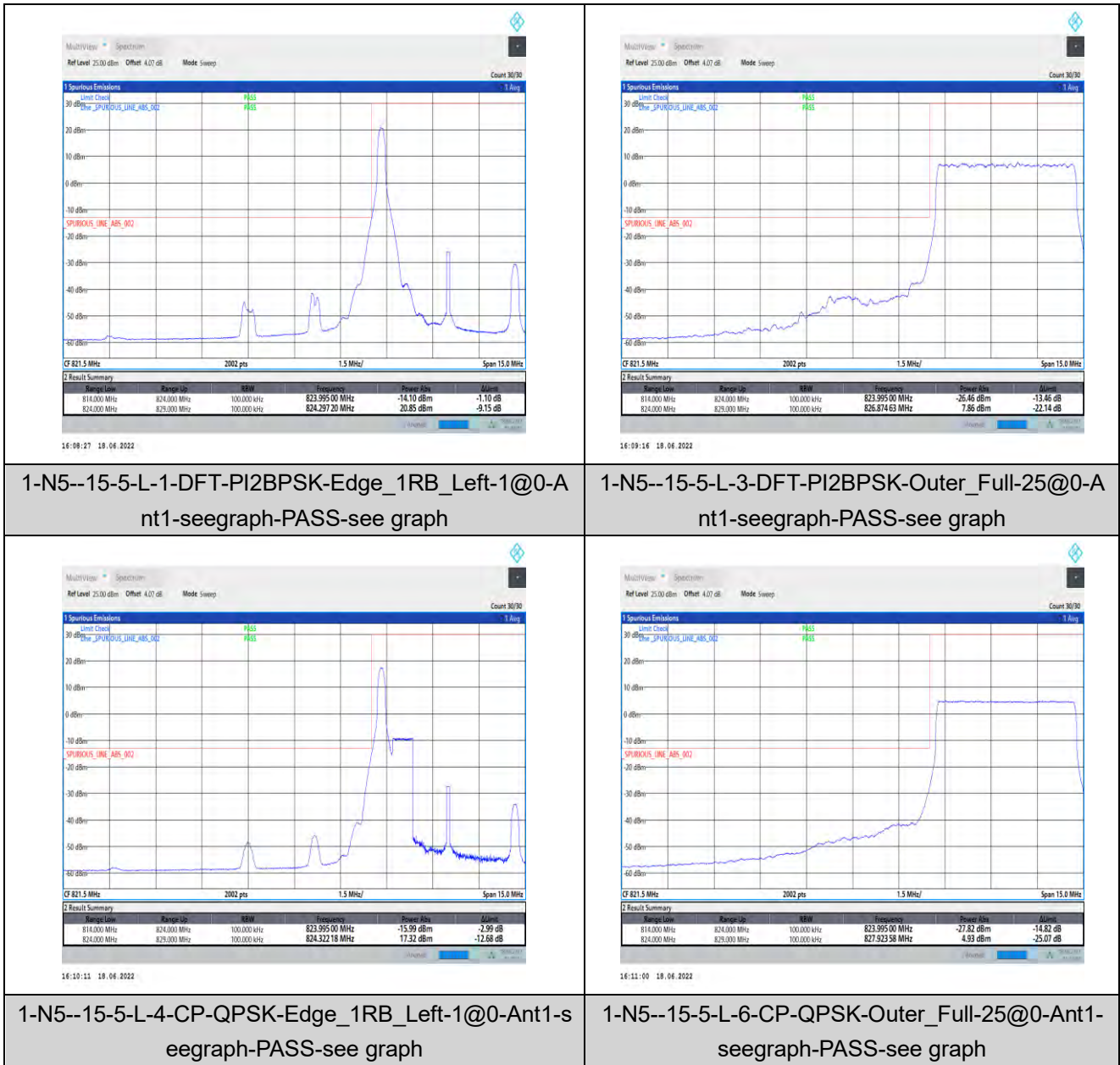
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## Band Edge for SA

### Test Graphs



1-N5--15-5-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-A  
 nt1-seegraph-PASS-see graph

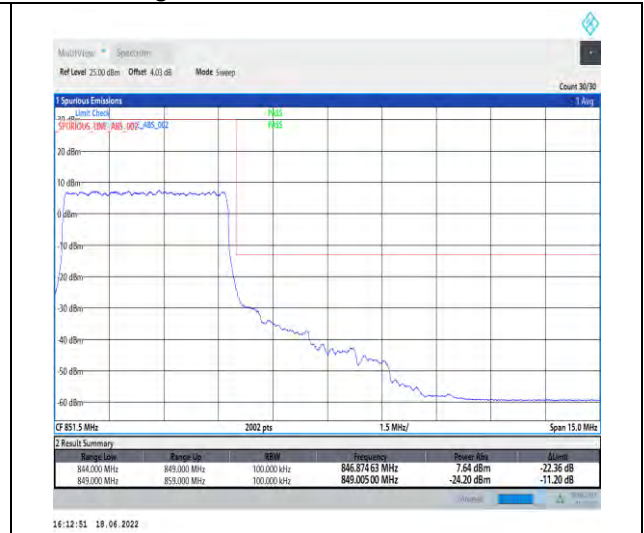
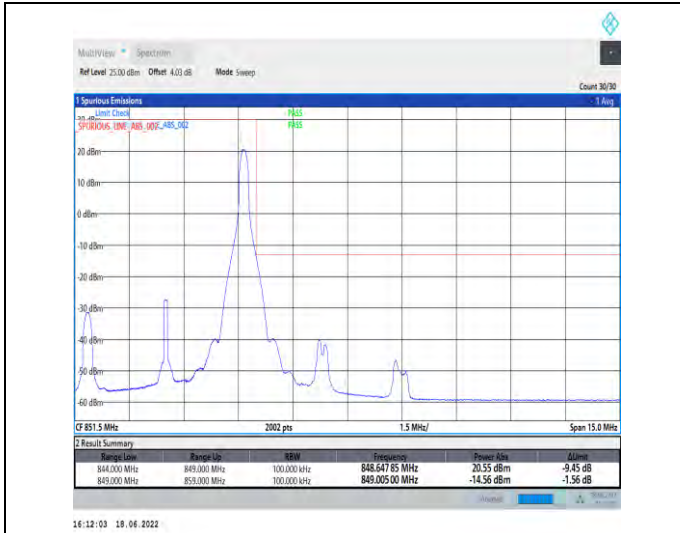
1-N5--15-5-L-3-DFT-PI2BPSK-Outer\_Full-25@0-A  
 nt1-seegraph-PASS-see graph

1-N5--15-5-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-s  
 eegraph-PASS-see graph

1-N5--15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-  
 seegraph-PASS-see graph

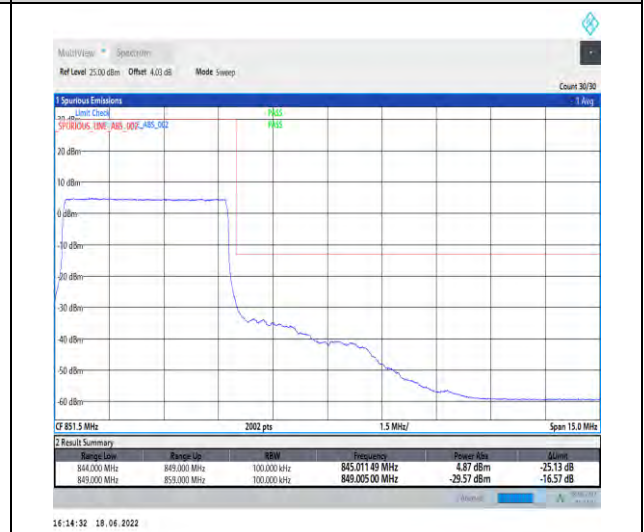
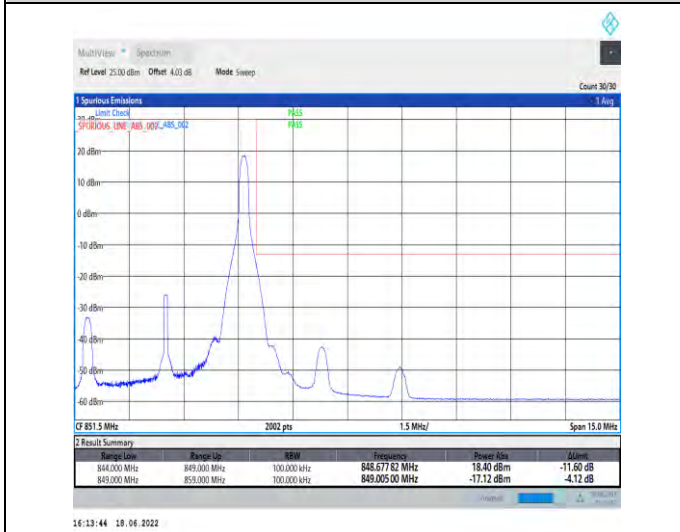


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1-N5--15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@2  
4-Ant1-seegraph-PASS-see graph

1-N5--15-5-H-3-DFT-PI2BPSK-Outer\_Full-25@0-A  
nt1-seegraph-PASS-see graph



1-N5--15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant  
1-seegraph-PASS-see graph

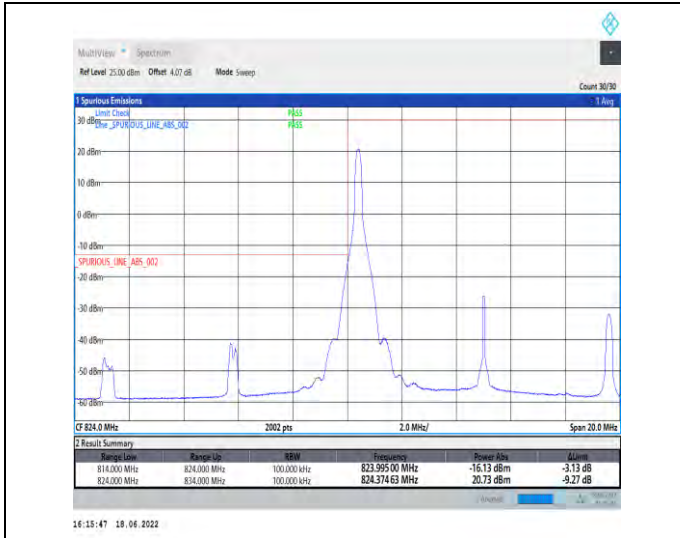
1-N5--15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1  
seegraph-PASS-see graph



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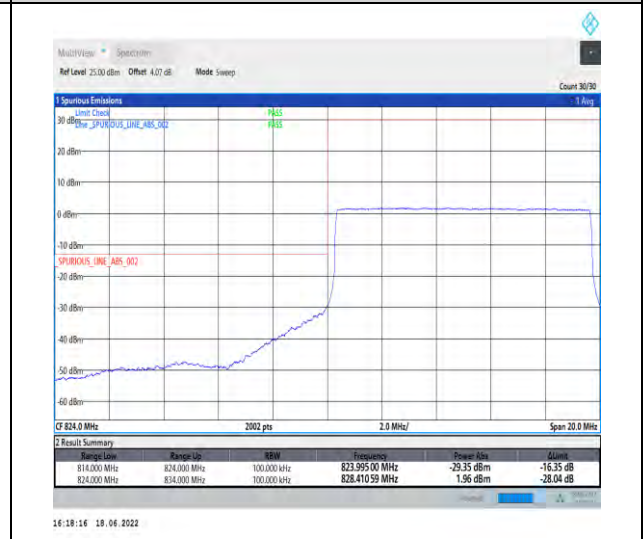
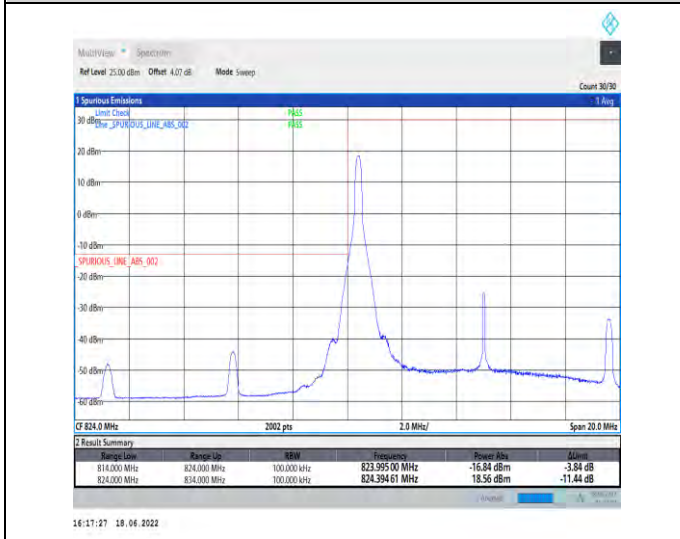
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1-N5--15-10-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

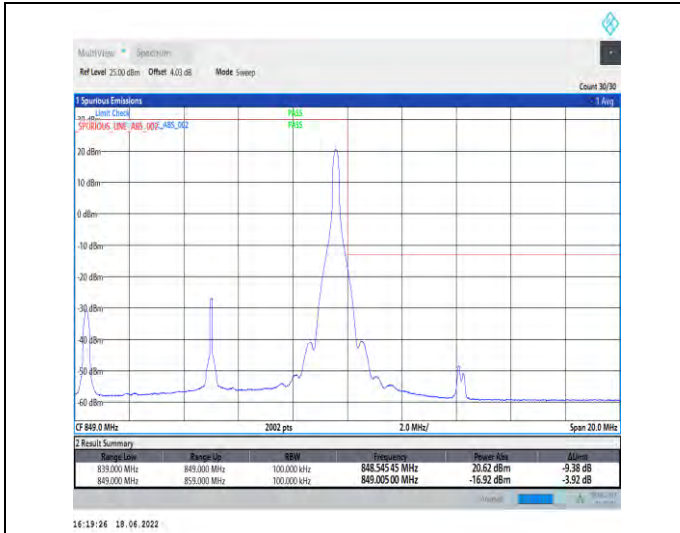
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1-N5--15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

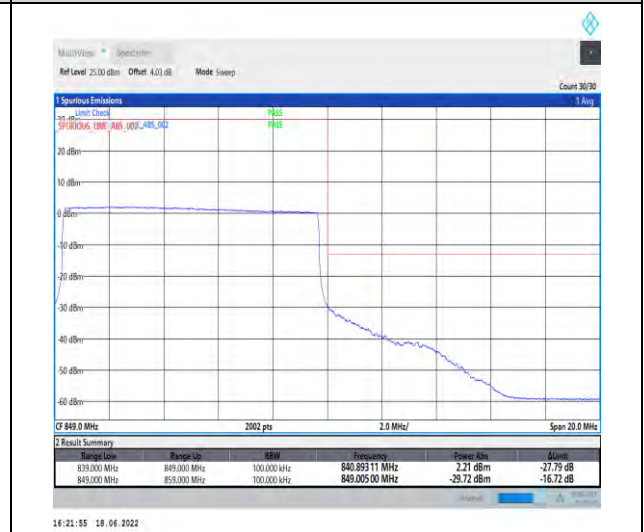
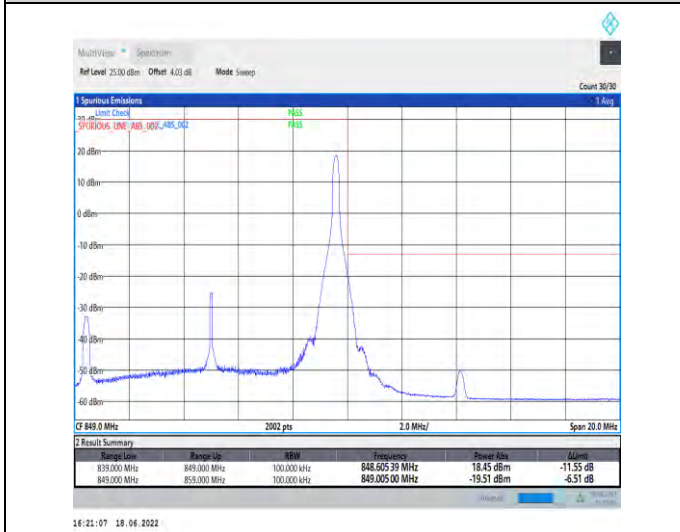
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1-N5--15-10-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@51-Ant1-seegraph-PASS-see graph

1-N5--15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-seegraph-PASS-see graph



1-N5--15-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@51-Ant1-seegraph-PASS-see graph

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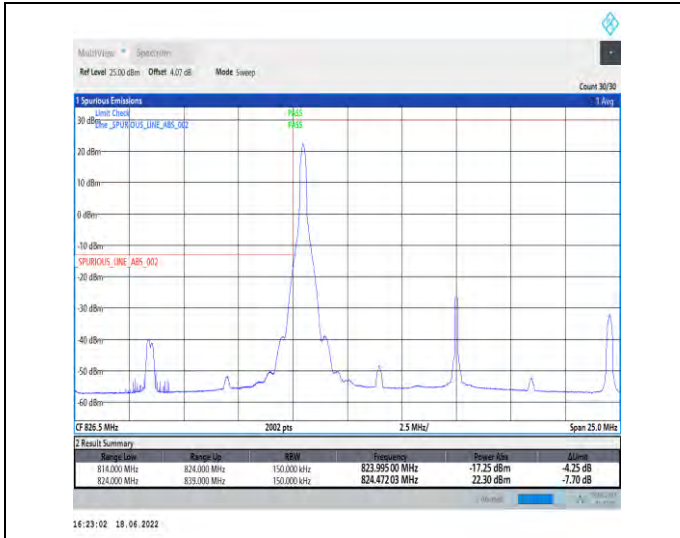


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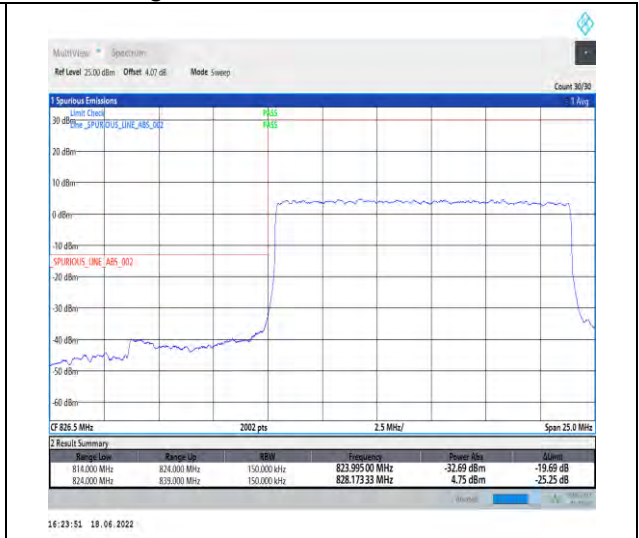
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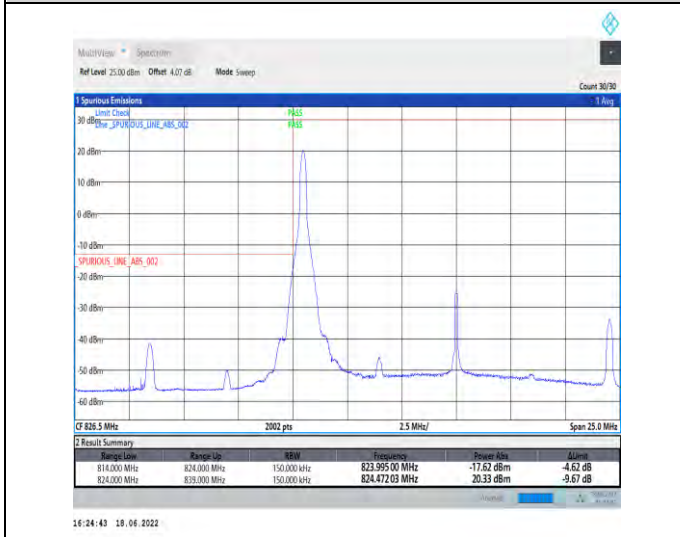
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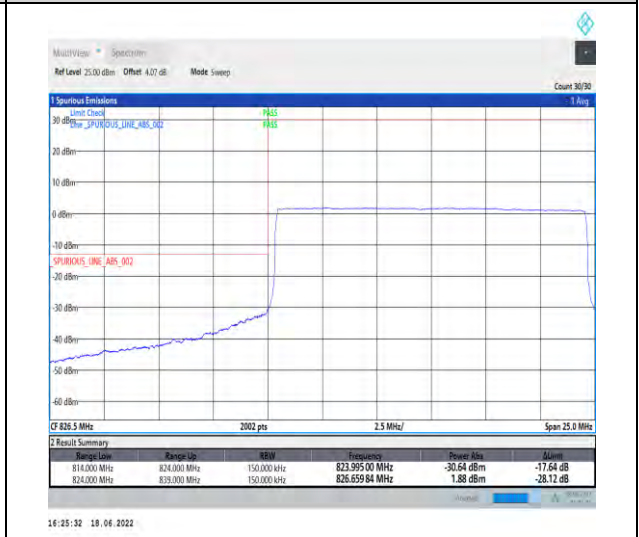
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1-N5--15-15-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-seegraph-PASS-see graph



1-N5--15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



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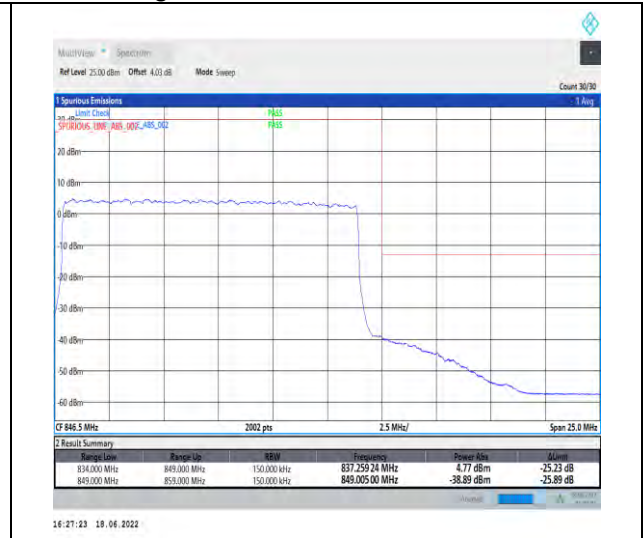
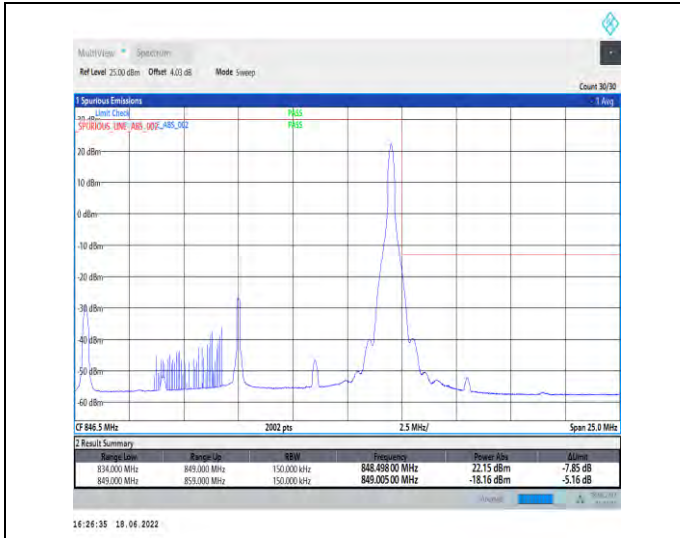


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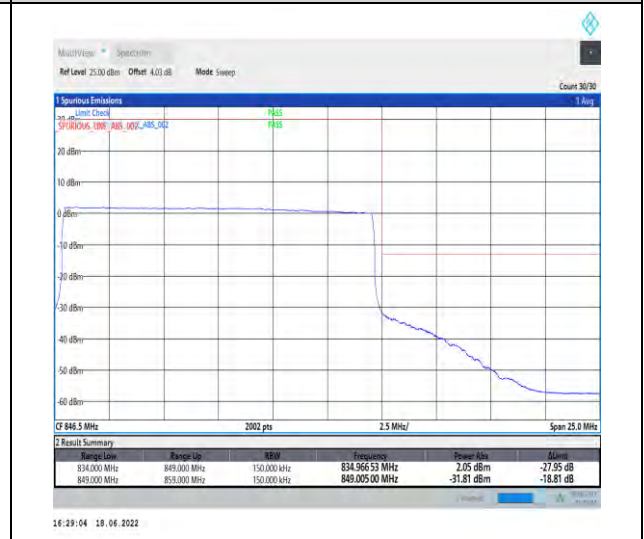
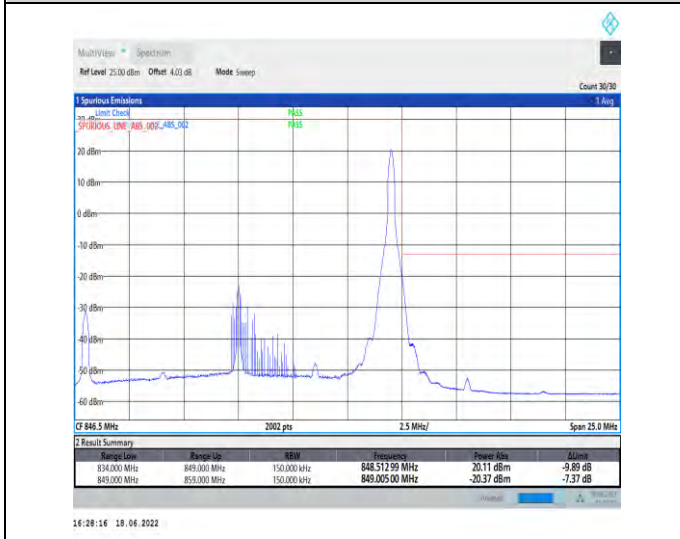
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1-N5--15-15-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@78-Ant1-seegraph-PASS-see graph

1-N5--15-15-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-seegraph-PASS-see graph

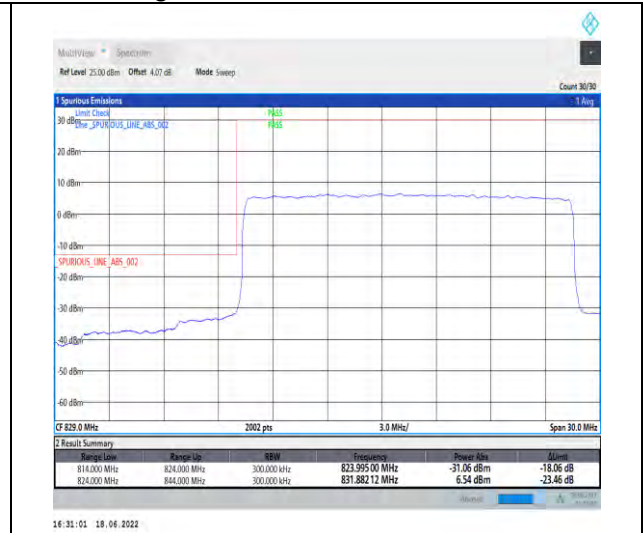
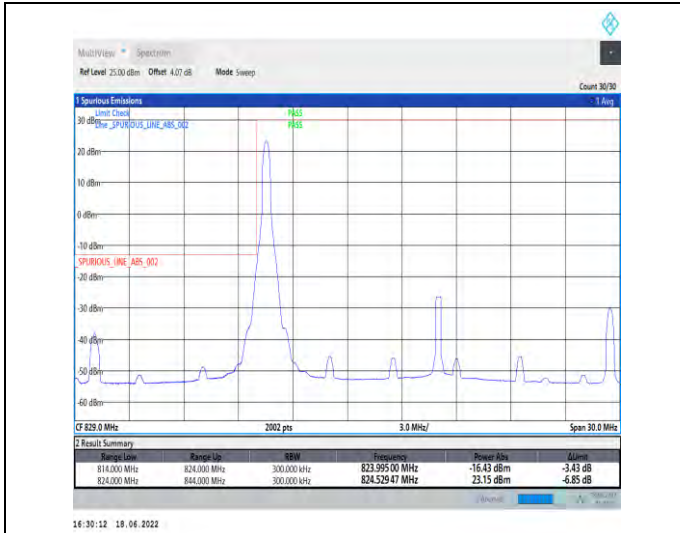


1-N5--15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-Ant1-seegraph-PASS-see graph

1-N5--15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-seegraph-PASS-see graph

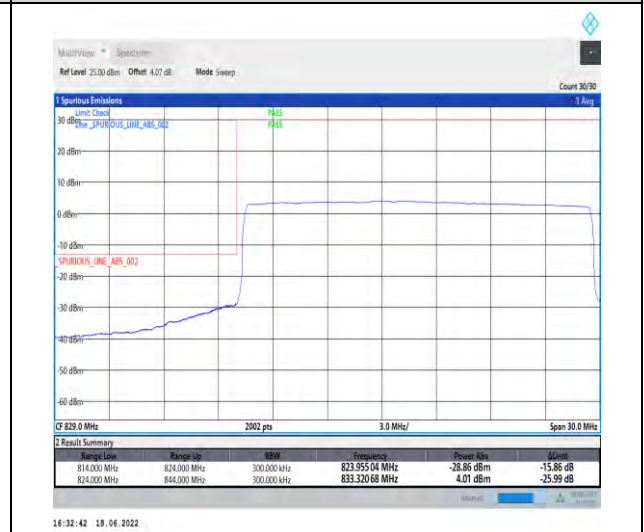
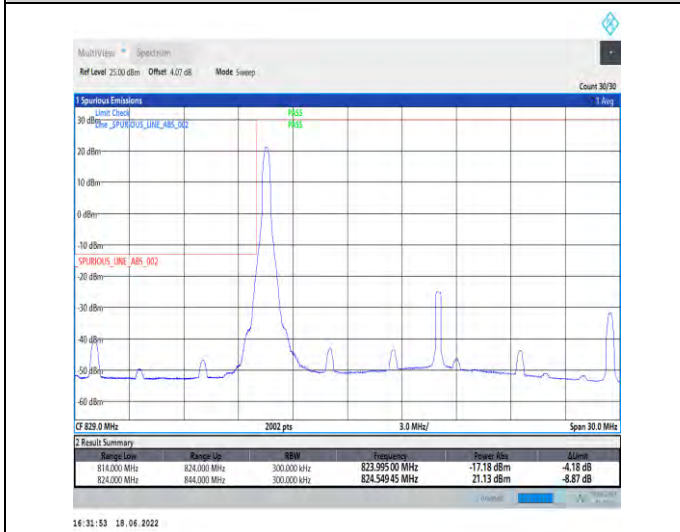


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1-N5--15-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

1-N5--15-20-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N5--15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph

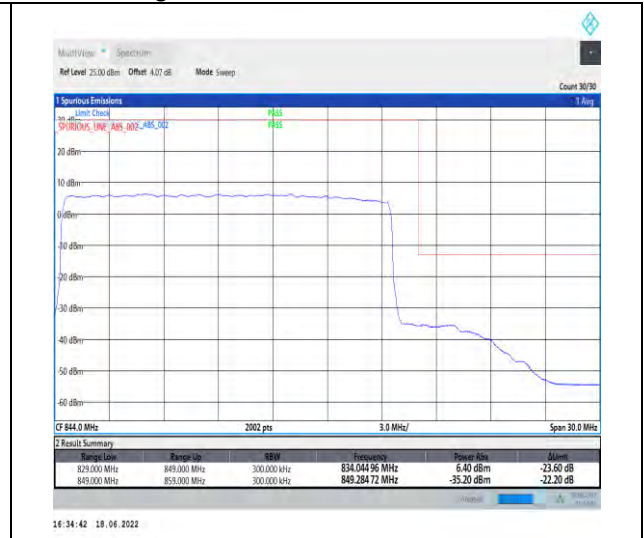
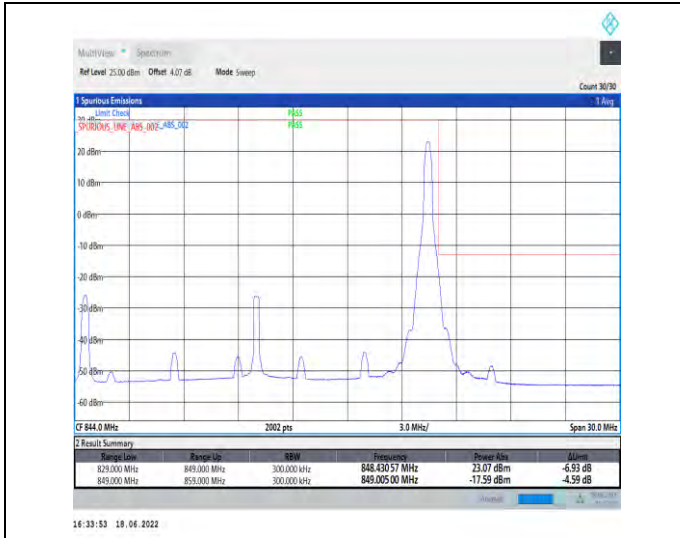
1-N5--15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph



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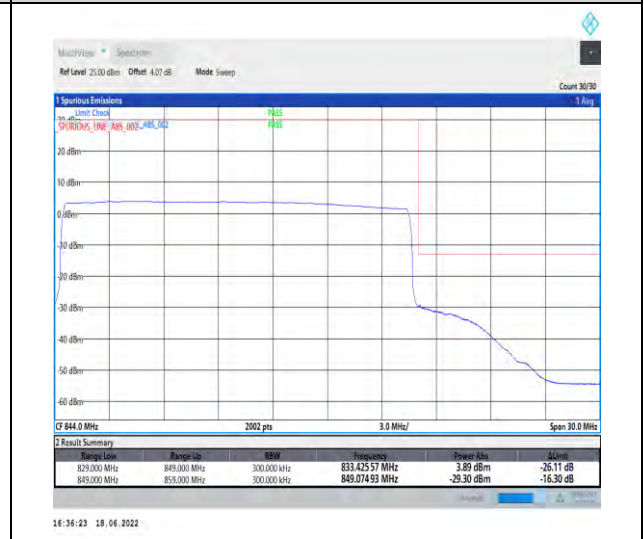
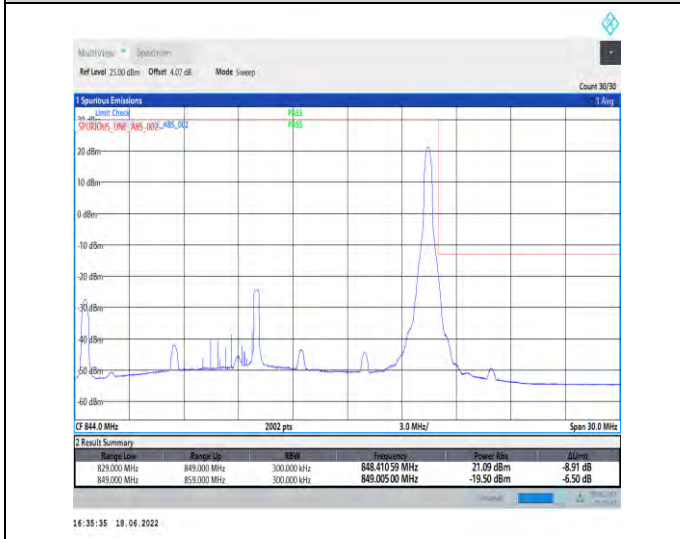
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1-N5--15-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant1-seegraph-PASS-see graph

1-N5--15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N5--15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-seegraph-PASS-see graph

1-N5--15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph



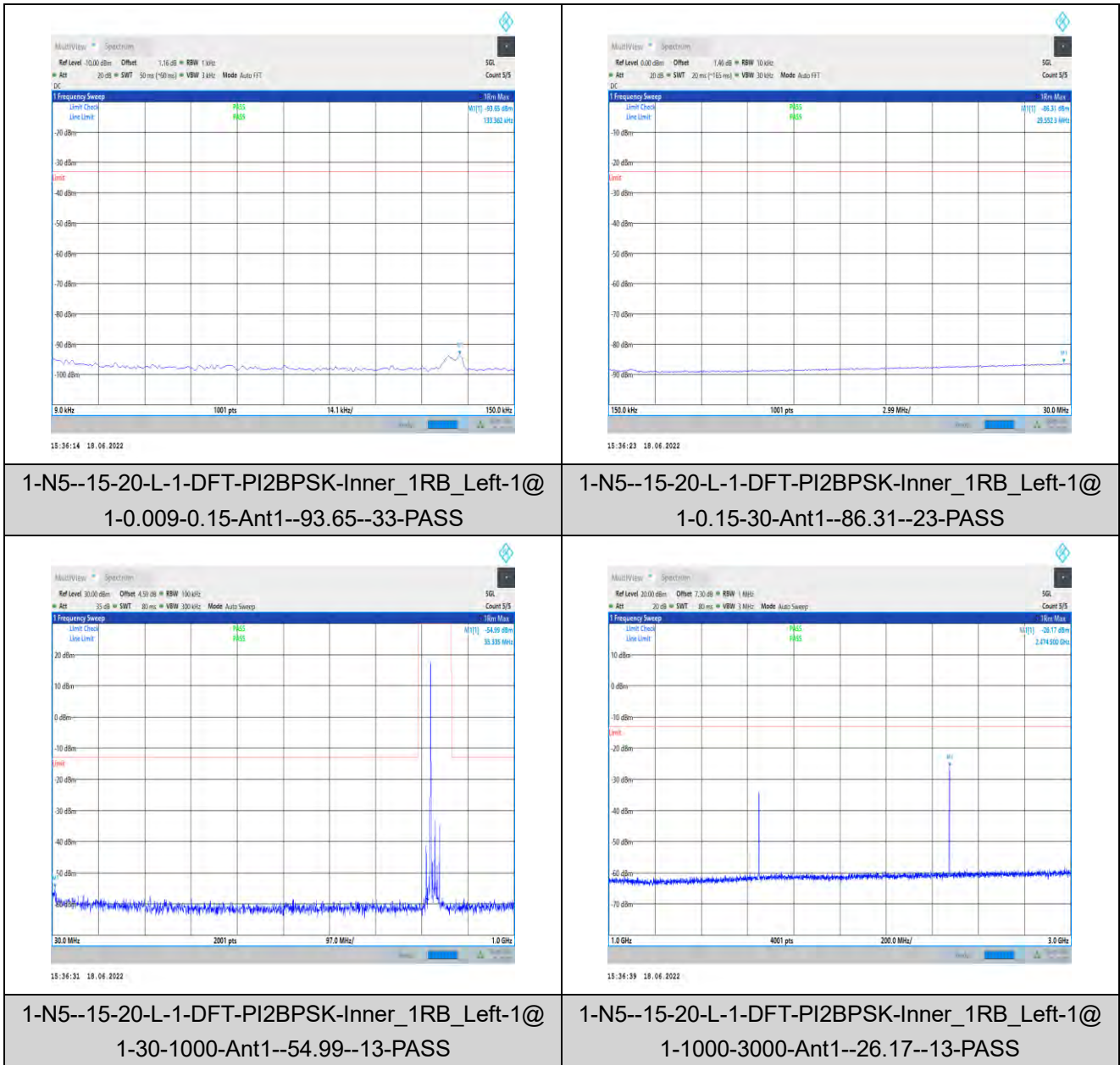
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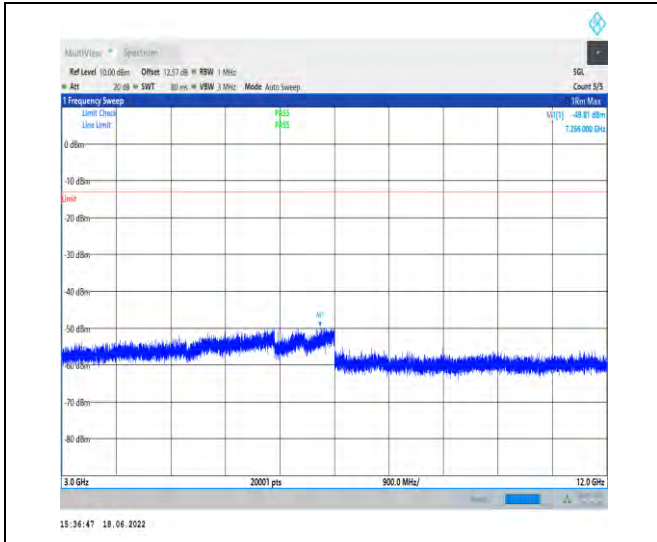
## Conducted Spurious Emission for SA

### Test Graphs

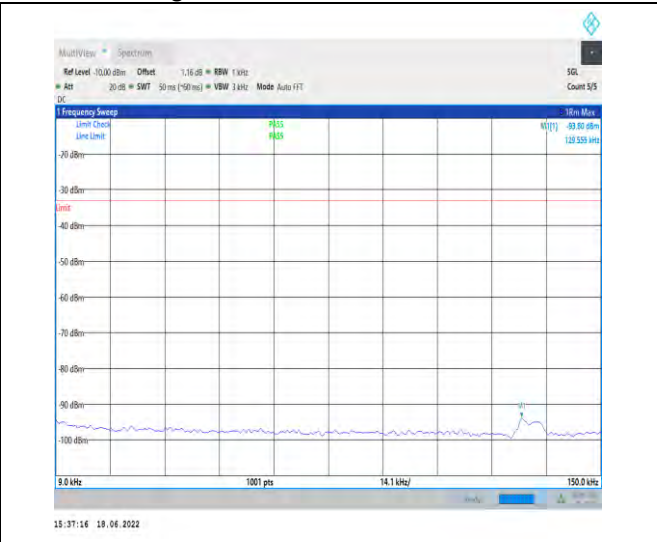


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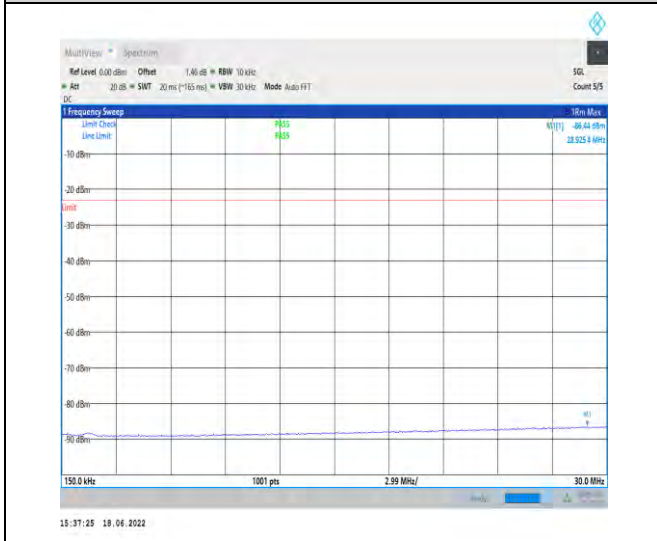
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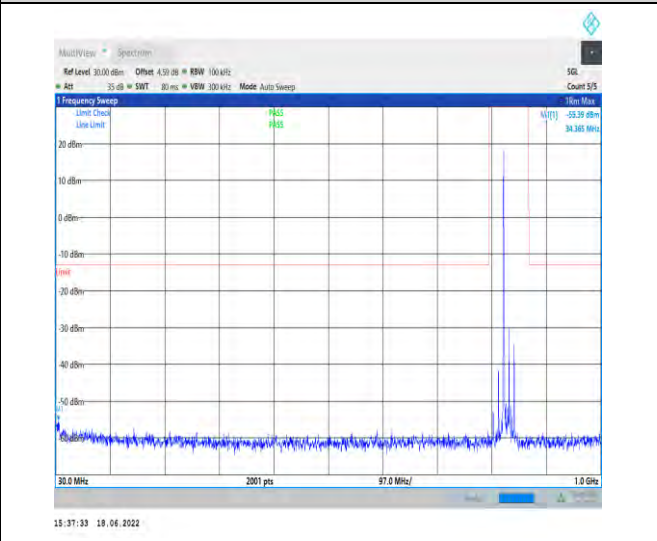
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1-3000-12000-Ant1--49.81--13-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.009-0.15-Ant1--93.80--33-PASS



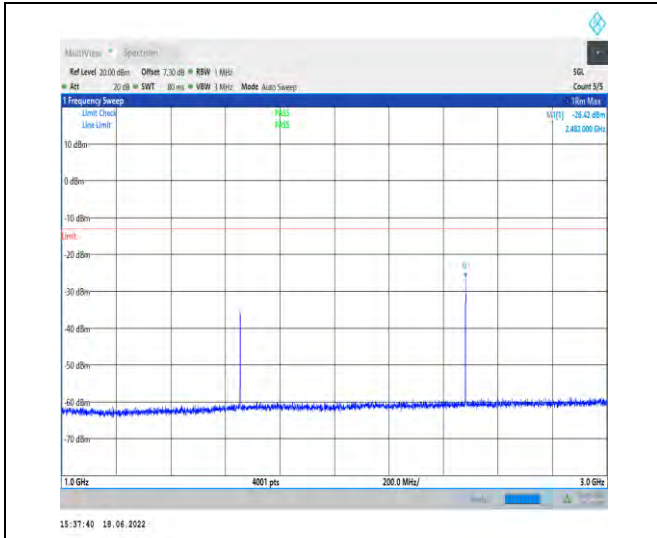
1-N5--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.15-30-Ant1--86.44--23-PASS



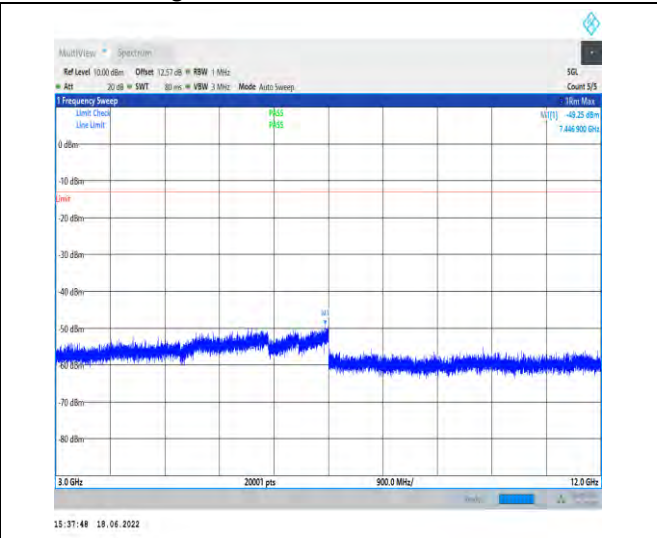
1-N5--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-30-1000-Ant1--55.39--13-PASS



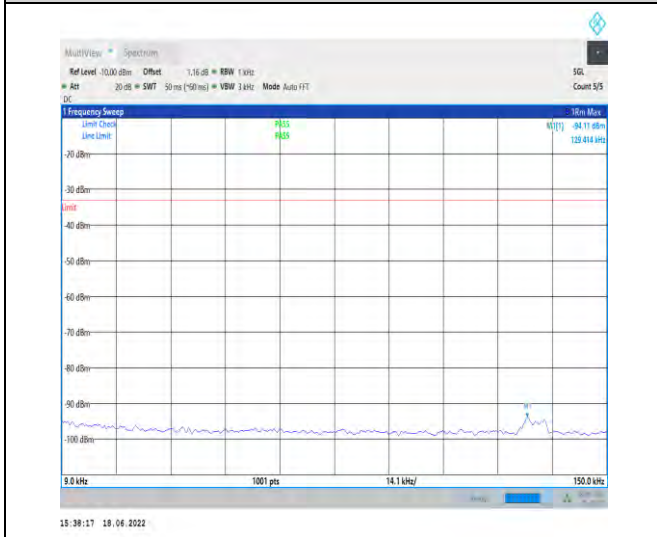
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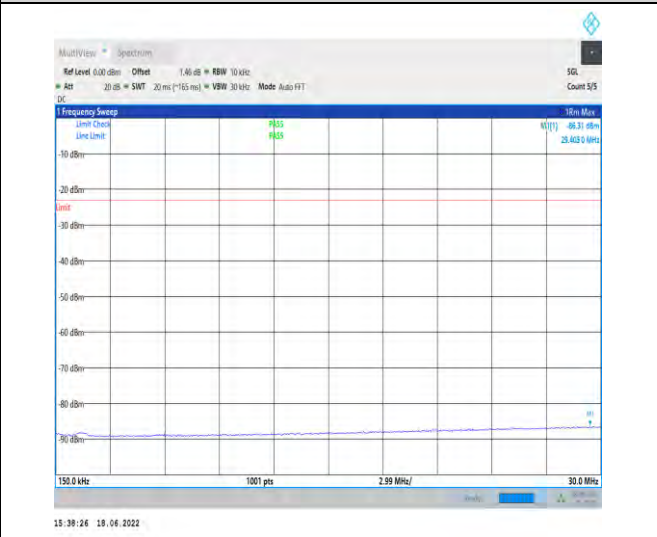
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1-1000-3000-Ant1--26.42--13-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-3000-12000-Ant1--49.25--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-0.009-0.15-Ant1--94.11--33-PASS



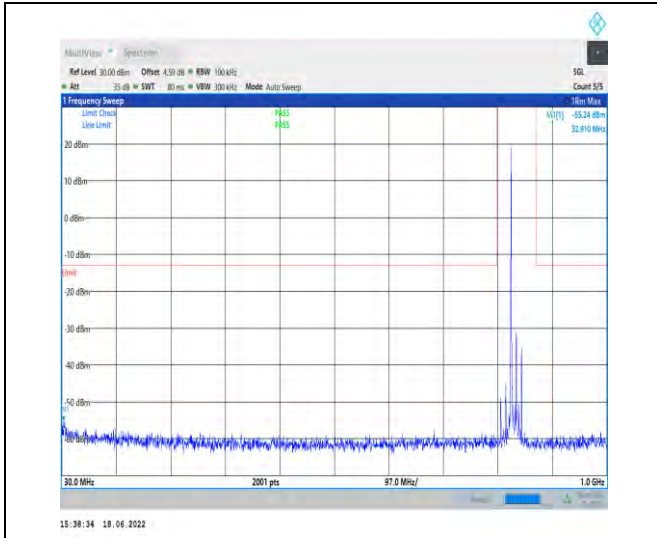
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1-0.15-30-Ant1--86.31--23-PASS



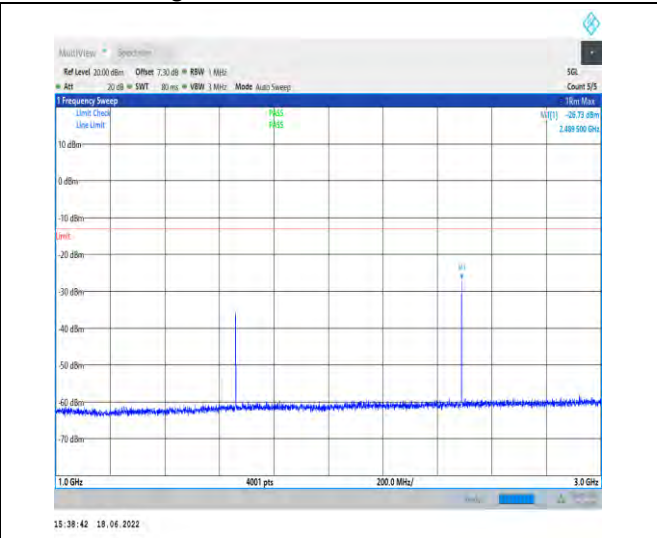
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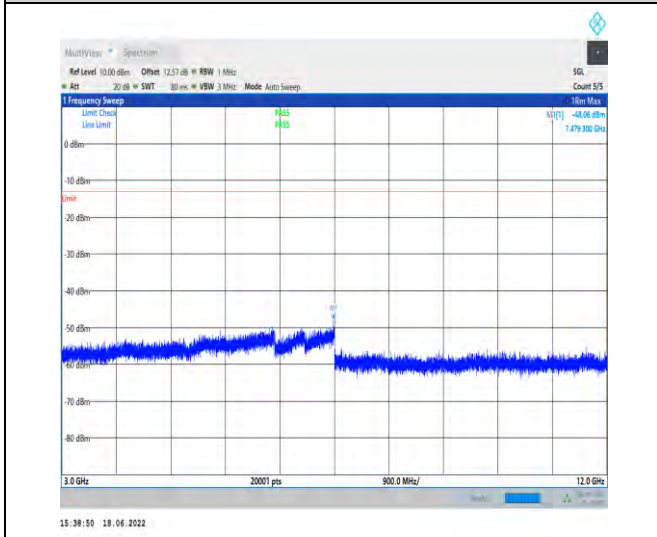
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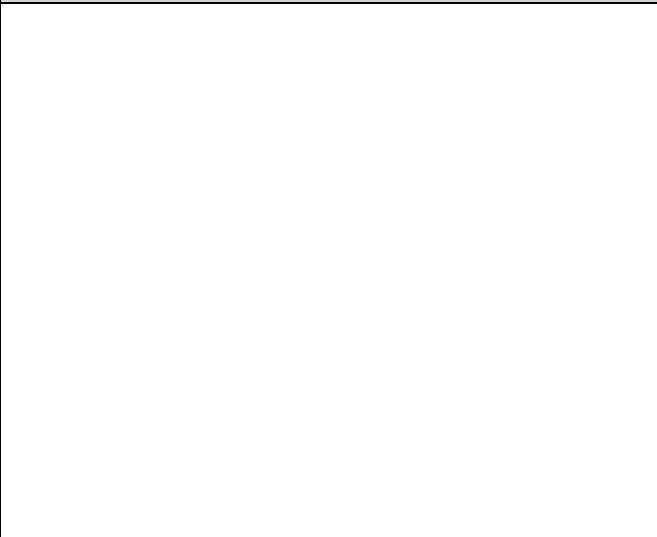
1-N5--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-30-1000-Ant1--55.24--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-1000-3000-Ant1--26.73--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-3000-12000-Ant1--48.06--13-PASS



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### Field Strength of Spurious Radiation

Test Band = SA Band5\_ TM1

Test Channel = Low

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1650.1800       | 52.53          | -118.11     | -65.58      | -13.00      | 52.58       | 236         | 360       | Horizontal |
| 2               | 2475.2700       | 51.85          | -114.89     | -63.04      | -13.00      | 50.04       | 191         | 4         | Horizontal |
| 3               | 3300.3600       | 51.00          | -112.38     | -61.38      | -13.00      | 48.38       | 147         | 93        | Horizontal |
| 4               | 4125.4500       | 51.17          | -110.19     | -59.02      | -13.00      | 46.02       | 182         | 265       | Horizontal |
| 5               | 4950.5400       | 50.18          | -108.21     | -58.03      | -13.00      | 45.03       | 215         | 360       | Horizontal |
| 6               | 5775.6300       | 50.27          | -106.24     | -55.97      | -13.00      | 42.97       | 263         | 187       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1650.1800       | 51.82          | -118.11     | -66.29      | -13.00      | 53.29       | 189         | 1         | Vertical |
| 2               | 2475.2700       | 51.32          | -114.89     | -63.57      | -13.00      | 50.57       | 174         | 322       | Vertical |
| 3               | 3300.3600       | 51.67          | -112.38     | -60.71      | -13.00      | 47.71       | 256         | 17        | Vertical |
| 4               | 4125.4500       | 50.16          | -110.19     | -60.03      | -13.00      | 47.03       | 236         | 68        | Vertical |
| 5               | 4950.5400       | 50.55          | -108.21     | -57.66      | -13.00      | 44.66       | 191         | 356       | Vertical |
| 6               | 5775.6300       | 48.54          | -106.24     | -57.70      | -13.00      | 44.70       | 142         | 282       | Vertical |



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Rev.: 01

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Test Band = SA Band5\_ TM1

Test Channel = Mid

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1655.1800       | 52.63          | -118.10     | -65.47      | -13.00      | 52.47       | 228         | 359       | Horizontal |
| 2               | 2482.7700       | 53.89          | -114.85     | -60.96      | -13.00      | 47.96       | 194         | 239       | Horizontal |
| 3               | 3310.3600       | 50.08          | -112.38     | -62.30      | -13.00      | 49.30       | 172         | 226       | Horizontal |
| 4               | 4137.9500       | 49.16          | -110.18     | -61.02      | -13.00      | 48.02       | 236         | 133       | Horizontal |
| 5               | 4965.5400       | 50.65          | -108.21     | -57.56      | -13.00      | 44.56       | 251         | 133       | Horizontal |
| 6               | 5793.1300       | 49.55          | -106.19     | -56.64      | -13.00      | 43.64       | 160         | 344       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1655.1800       | 51.00          | -118.10     | -67.10      | -13.00      | 54.10       | 194         | 1         | Vertical |
| 2               | 2482.7700       | 50.89          | -114.85     | -63.96      | -13.00      | 50.96       | 175         | 10        | Vertical |
| 3               | 3310.3600       | 50.45          | -112.38     | -61.93      | -13.00      | 48.93       | 230         | 125       | Vertical |
| 4               | 4137.9500       | 49.25          | -110.18     | -60.93      | -13.00      | 47.93       | 136         | 255       | Vertical |
| 5               | 4965.5400       | 49.62          | -108.21     | -58.59      | -13.00      | 45.59       | 169         | 30        | Vertical |
| 6               | 5793.1300       | 49.12          | -106.19     | -57.07      | -13.00      | 44.07       | 191         | 269       | Vertical |



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Test Band = SA Band5\_ TM1

Test Channel = High

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1660.1800       | 51.83          | -118.09     | -66.26      | -13.00      | 53.26       | 251         | 146       | Horizontal |
| 2               | 2490.2700       | 51.32          | -114.81     | -63.49      | -13.00      | 50.49       | 136         | 39        | Horizontal |
| 3               | 3320.3600       | 51.95          | -112.38     | -60.43      | -13.00      | 47.43       | 164         | 146       | Horizontal |
| 4               | 4150.4500       | 48.55          | -110.16     | -61.61      | -13.00      | 48.61       | 195         | 66        | Horizontal |
| 5               | 4980.5400       | 50.25          | -108.20     | -57.95      | -13.00      | 44.95       | 172         | 53        | Horizontal |
| 6               | 5810.6300       | 50.36          | -106.18     | -55.82      | -13.00      | 42.82       | 215         | 360       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1660.1800       | 51.65          | -118.09     | -66.44      | -13.00      | 53.44       | 213         | 215       | Vertical |
| 2               | 2490.2700       | 51.21          | -114.81     | -63.60      | -13.00      | 50.60       | 236         | 0         | Vertical |
| 3               | 3320.3600       | 51.04          | -112.38     | -61.34      | -13.00      | 48.34       | 164         | 4         | Vertical |
| 4               | 4150.4500       | 49.62          | -110.16     | -60.54      | -13.00      | 47.54       | 194         | 97        | Vertical |
| 5               | 4980.5400       | 50.66          | -108.20     | -57.54      | -13.00      | 44.54       | 172         | 357       | Vertical |
| 6               | 5810.6300       | 48.70          | -106.18     | -57.48      | -13.00      | 44.48       | 299         | 201       | Vertical |



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Test Band = NSA 2A-n5A\_ TM1

Test Channel = Low

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1125.3333       | 46.89          | -94.91      | -48.02      | -13.00      | 35.02       | 162         | 219       | Horizontal |
| 2               | 1625.3333       | 43.51          | -94.77      | -51.26      | -13.00      | 38.26       | 185         | 4         | Horizontal |
| 3               | 3062.4          | 59.75          | -111.83     | -52.08      | -13.00      | 39.08       | 134         | 194       | Horizontal |
| 4               | 3702.1800       | 50.35          | -110.79     | -60.44      | -13.00      | 47.44       | 248         | 222       | Horizontal |
| 5               | 5553.2700       | 49.21          | -107.44     | -58.23      | -13.00      | 45.23       | 273         | 316       | Horizontal |
| 6               | 7404.3600       | 48.28          | -102.17     | -53.89      | -13.00      | 40.89       | 146         | 330       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1124.6667       | 42.11          | -94.91      | -52.80      | -13.00      | 39.80       | 285         | 230       | Vertical |
| 2               | 2125.3333       | 44.22          | -92.35      | -48.13      | -13.00      | 35.13       | 274         | 130       | Vertical |
| 3               | 2680            | 40.82          | -89.85      | -49.03      | -13.00      | 36.03       | 263         | 4         | Vertical |
| 4               | 3702.1800       | 51.02          | -110.79     | -59.77      | -13.00      | 46.77       | 289         | 0         | Vertical |
| 5               | 5553.2700       | 48.93          | -107.44     | -58.51      | -13.00      | 45.51       | 174         | 0         | Vertical |
| 6               | 7404.3600       | 47.59          | -102.17     | -54.58      | -13.00      | 41.58       | 157         | 0         | Vertical |



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Test Band = NSA 2A-n5A\_TM1

Test Channel = Mid

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1125.3333       | 46.64          | -94.91      | -48.27      | -13.00      | 35.27       | 288         | 228       | Horizontal |
| 2               | 1350            | 40.03          | -94.58      | -54.55      | -13.00      | 41.55       | 247         | 3         | Horizontal |
| 3               | 3742.1800       | 50.99          | -110.82     | -59.83      | -13.00      | 46.83       | 235         | 270       | Horizontal |
| 4               | 5613.2700       | 48.12          | -107.23     | -59.11      | -13.00      | 46.11       | 277         | 0         | Horizontal |
| 5               | 5898.3          | 54.77          | -106.29     | -51.52      | -13.00      | 38.52       | 174         | 356       | Horizontal |
| 6               | 7484.3600       | 49.06          | -101.99     | -52.93      | -13.00      | 39.93       | 189         | 61        | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1242            | 40.78          | -94.63      | -53.85      | -13.00      | 40.85       | 178         | 219       | Vertical |
| 2               | 1624.6667       | 40.62          | -94.77      | -54.15      | -13.00      | 41.15       | 247         | 259       | Vertical |
| 3               | 2126            | 44.05          | -92.35      | -48.30      | -13.00      | 35.30       | 187         | 120       | Vertical |
| 4               | 3742.1800       | 50.37          | -110.82     | -60.45      | -13.00      | 47.45       | 280         | 16        | Vertical |
| 5               | 5613.2700       | 49.02          | -107.23     | -58.21      | -13.00      | 45.21       | 283         | 89        | Vertical |
| 6               | 7484.3600       | 46.73          | -101.99     | -55.26      | -13.00      | 42.26       | 180         | 0         | Vertical |



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Test Band = NSA 2A-n5A\_TM1

Test Channel = High

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1124.6667       | 46.69          | -94.91      | -48.22      | -13.00      | 35.22       | 174         | 231       | Horizontal |
| 2               | 2754            | 40.32          | -89.56      | -49.24      | -13.00      | 36.24       | 247         | 359       | Horizontal |
| 3               | 3782.1800       | 51.58          | -110.84     | -59.26      | -13.00      | 46.26       | 236         | 357       | Horizontal |
| 4               | 5673.2700       | 47.42          | -106.88     | -59.46      | -13.00      | 46.46       | 208         | 180       | Horizontal |
| 5               | 5898.3          | 54.90          | -106.29     | -51.39      | -13.00      | 38.39       | 109         | 357       | Horizontal |
| 6               | 7564.3600       | 46.98          | -101.86     | -54.88      | -13.00      | 41.88       | 125         | 1         | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1124.6667       | 41.93          | -94.91      | -52.98      | -13.00      | 39.98       | 285         | 230       | Vertical |
| 2               | 2124.6667       | 44.18          | -92.36      | -48.18      | -13.00      | 35.18       | 265         | 120       | Vertical |
| 3               | 3782.1800       | 49.87          | -110.84     | -60.97      | -13.00      | 47.97       | 241         | 0         | Vertical |
| 4               | 5673.2700       | 50.16          | -106.88     | -56.72      | -13.00      | 43.72       | 175         | 0         | Vertical |
| 5               | 7372.8          | 51.95          | -102.26     | -50.31      | -13.00      | 37.31       | 107         | 357       | Vertical |
| 6               | 7564.3600       | 46.66          | -101.86     | -55.20      | -13.00      | 42.20       | 150         | 331       | Vertical |



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Test Band = NSA 66A-n5A\_ TM1  
 Test Channel = Low

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1650.1800       | 36.99          | -94.70      | -57.71      | -13.00      | 44.71       | 122         | 197       | Horizontal |
| 2               | 2475.2700       | 36.94          | -91.12      | -54.18      | -13.00      | 41.18       | 145         | 144       | Horizontal |
| 3               | 3300.3600       | 50.25          | -112.16     | -61.91      | -13.00      | 48.91       | 165         | 215       | Horizontal |
| 4               | 4125.4500       | 48.70          | -110.03     | -61.33      | -13.00      | 48.33       | 251         | 1         | Horizontal |
| 5               | 4950.5400       | 48.58          | -108.10     | -59.52      | -13.00      | 46.52       | 148         | 234       | Horizontal |
| 6               | 5775.6300       | 48.27          | -106.37     | -58.10      | -13.00      | 45.10       | 195         | 2         | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1650.1800       | 36.80          | -94.70      | -57.90      | -13.00      | 44.90       | 169         | 293       | Vertical |
| 2               | 2475.2700       | 37.69          | -91.12      | -53.43      | -13.00      | 40.43       | 154         | 359       | Vertical |
| 3               | 3300.3600       | 50.86          | -112.16     | -61.30      | -13.00      | 48.30       | 185         | 20        | Vertical |
| 4               | 4125.4500       | 49.71          | -110.03     | -60.32      | -13.00      | 47.32       | 148         | 357       | Vertical |
| 5               | 4950.5400       | 51.26          | -108.10     | -56.84      | -13.00      | 43.84       | 176         | 72        | Vertical |
| 6               | 5775.6300       | 47.96          | -106.37     | -58.41      | -13.00      | 45.41       | 191         | 307       | Vertical |



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Test Band = NSA 66A-n5A\_TM1

Test Channel = Mid

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1655.1800       | 36.26          | -94.69      | -58.43      | -13.00      | 45.43       | 169         | 323       | Horizontal |
| 2               | 2482.7700       | 38.17          | -91.09      | -52.92      | -13.00      | 39.92       | 195         | 323       | Horizontal |
| 3               | 3310.3600       | 50.01          | -112.16     | -62.15      | -13.00      | 49.15       | 148         | 214       | Horizontal |
| 4               | 4137.9500       | 48.85          | -110.02     | -61.17      | -13.00      | 48.17       | 175         | 144       | Horizontal |
| 5               | 4965.5400       | 48.47          | -108.08     | -59.61      | -13.00      | 46.61       | 251         | 233       | Horizontal |
| 6               | 5793.1300       | 47.63          | -106.29     | -58.66      | -13.00      | 45.66       | 211         | 89        | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1655.1800       | 36.99          | -94.69      | -57.70      | -13.00      | 44.70       | 148         | 225       | Vertical |
| 2               | 2482.7700       | 36.94          | -91.09      | -54.15      | -13.00      | 41.15       | 195         | 352       | Vertical |
| 3               | 3310.3600       | 50.47          | -112.16     | -61.69      | -13.00      | 48.69       | 146         | 178       | Vertical |
| 4               | 4137.9500       | 50.21          | -110.02     | -59.81      | -13.00      | 46.81       | 126         | 233       | Vertical |
| 5               | 4965.5400       | 49.25          | -108.08     | -58.83      | -13.00      | 45.83       | 261         | 342       | Vertical |
| 6               | 5793.1300       | 48.10          | -106.29     | -58.19      | -13.00      | 45.19       | 144         | 357       | Vertical |



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**Test Band = NSA 66A-Nn5A\_TM1**  
**Test Channel = High**

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1660.1800       | 37.53          | -94.68      | -57.15      | -13.00      | 44.15       | 125         | 4         | Horizontal |
| 2               | 2490.2700       | 38.12          | -91.06      | -52.94      | -13.00      | 39.94       | 236         | 13        | Horizontal |
| 3               | 3320.3600       | 51.26          | -112.15     | -60.89      | -13.00      | 47.89       | 261         | 237       | Horizontal |
| 4               | 4150.4500       | 49.38          | -110.00     | -60.62      | -13.00      | 47.62       | 145         | 201       | Horizontal |
| 5               | 4980.5400       | 48.98          | -108.05     | -59.07      | -13.00      | 46.07       | 185         | 108       | Horizontal |
| 6               | 5810.6300       | 47.96          | -106.26     | -58.30      | -13.00      | 45.30       | 194         | 273       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1660.1800       | 37.66          | -94.68      | -57.02      | -13.00      | 44.02       | 251         | 158       | Vertical |
| 2               | 2490.2700       | 37.17          | -91.06      | -53.89      | -13.00      | 40.89       | 142         | 67        | Vertical |
| 3               | 3320.3600       | 49.19          | -112.15     | -62.96      | -13.00      | 49.96       | 236         | 255       | Vertical |
| 4               | 4150.4500       | 49.86          | -110.00     | -60.14      | -13.00      | 47.14       | 261         | 1         | Vertical |
| 5               | 4980.5400       | 49.59          | -108.05     | -58.46      | -13.00      | 45.46       | 194         | 0         | Vertical |
| 6               | 5810.6300       | 48.87          | -106.26     | -57.39      | -13.00      | 44.39       | 175         | 20        | Vertical |

**Remark:**

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

Level = Reading Level(dBμV) + Factor(dB):

Factor = AF(dB/m) + Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)





## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage |     |           |             |         |            |         |             |                |                 |             |         |
|---------|-----|-----------|-------------|---------|------------|---------|-------------|----------------|-----------------|-------------|---------|
| Band    | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| N5      | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | VH      | NT          | -2.500000      | -0.002989       | ±2.5        | PASS    |
| N5      | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | VN      | NT          | -5.700000      | -0.006814       | ±2.5        | PASS    |
| N5      | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | VL      | NT          | -2.800000      | -0.003347       | ±2.5        | PASS    |
| N5      | 15  | 20        | CP-QPSK     | M       | Outer_Full | VH      | NT          | 0.400000       | 0.000478        | ±2.5        | PASS    |
| N5      | 15  | 20        | CP-QPSK     | M       | Outer_Full | VN      | NT          | -0.500000      | -0.000598       | ±2.5        | PASS    |
| N5      | 15  | 20        | CP-QPSK     | M       | Outer_Full | VL      | NT          | 3.000000       | 0.003586        | ±2.5        | PASS    |



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**Frequency Error VS. Temperature**

| Temperature |     |           |             |         |            |         |             |                |                 |             |         |
|-------------|-----|-----------|-------------|---------|------------|---------|-------------|----------------|-----------------|-------------|---------|
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | -30         | 2.100000       | 0.002510        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | -20         | -5.400000      | -0.006455       | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | -10         | 1.700000       | 0.002032        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 0           | 2.200000       | 0.002630        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 10          | 2.600000       | 0.003108        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 20          | 1.800000       | 0.002152        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 30          | 1.000000       | 0.001195        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 40          | 4.700000       | 0.005619        | ±2.5        | PASS    |
| N5          | 15  | 20        | DFT-PI2BPSK | M       | Outer_Full | NV      | 50          | 1.100000       | 0.001315        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | -30         | 0.300000       | 0.000359        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | -20         | -0.500000      | -0.000598       | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | -10         | 6.000000       | 0.007173        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 0           | 3.100000       | 0.003706        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 10          | 5.100000       | 0.006097        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 20          | 3.900000       | 0.004662        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 30          | 1.100000       | 0.001315        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 40          | 0.200000       | 0.000239        | ±2.5        | PASS    |
| N5          | 15  | 20        | CP-QPSK     | M       | Outer_Full | NV      | 50          | 1.000000       | 0.001195        | ±2.5        | PASS    |

The End



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