# Appendix B.36

## NR Band n38

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# Effective (Isotropic) Radiated Power Output Data for SA

## Test ResultAnt1

| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Power ( dBm ) | EIRP ( dBm ) | Limit ( dBm ) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 10 | DFT-PI2BPSK | L | Inner_1RB_Left | 26.14 | 26.91 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | L | Inner_1RB_Right | 26.13 | 26.9 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | L | Outer_Full | 25.55 | 26.32 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | L | Inner_1RB_Left | 25.96 | 26.73 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | L | Inner_1RB_Right | 26.03 | 26.8 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | L | Outer_Full | 25.18 | 25.95 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Inner_1RB_Left | 25.29 | 26.06 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Inner_1RB_Right | 25.19 | 25.96 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Outer_Full | 24.15 | 24.92 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Inner_1RB_Left | 23.16 | 23.93 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Inner_1RB_Right | 23.25 | 24.02 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Outer_Full | 23.53 | 24.3 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Inner_1RB_Left | 21.75 | 22.52 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Inner_1RB_Right | 21.92 | 22.69 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Outer_Full | 21.44 | 22.21 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | M | Inner_1RB_Left | 26.32 | 27.09 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | M | Inner_1RB_Right | 26.32 | 27.09 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | M | Outer_Full | 25.87 | 26.64 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | M | Inner_1RB_Left | 26.24 | 27.01 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | M | Inner_1RB_Right | 26.14 | 26.91 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | M | Outer_Full | 25.23 | 26 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Inner_1RB_Left | 25.25 | 26.02 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Inner_1RB_Right | 25.46 | 26.23 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Outer_Full | 24.34 | 25.11 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Inner_1RB_Left | 23.34 | 24.11 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 10 | DFT-64QAM | M | Inner_1RB_Right | 23.45 | 24.22 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Outer_Full | 23.68 | 24.45 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Inner_1RB_Left | 22 | 22.77 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Inner_1RB_Right | 22.04 | 22.81 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Outer_Full | 21.9 | 22.67 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | H | Inner_1RB_Left | 26.05 | 26.82 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | H | Inner_1RB_Right | 26.22 | 26.99 | 33 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | H | Outer_Full | 25.72 | 26.49 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | H | Inner_1RB_Left | 25.99 | 26.76 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | H | Inner_1RB_Right | 26.22 | 26.99 | 33 | PASS |
| N38 | 30 | 10 | DFT-QPSK | H | Outer_Full | 25.34 | 26.11 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Inner_1RB_Left | 25.25 | 26.02 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Inner_1RB_Right | 25.41 | 26.18 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Outer_Full | 24.24 | 25.01 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Inner_1RB_Left | 23.45 | 24.22 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Inner_1RB_Right | 23.59 | 24.36 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Outer_Full | 23.77 | 24.54 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Inner_1RB_Left | 22 | 22.77 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Inner_1RB_Right | 22.09 | 22.86 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Outer_Full | 21.73 | 22.5 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | L | Inner_1RB_Left | 26.07 | 26.84 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | L | Inner_1RB_Right | 26.1 | 26.87 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | L | Outer_Full | 25.66 | 26.43 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | L | Inner_1RB_Left | 25.77 | 26.54 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | L | Inner_1RB_Right | 26.06 | 26.83 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | L | Outer_Full | 25.08 | 25.85 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Inner_1RB_Left | 25.04 | 25.81 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Inner_1RB_Right | 25.27 | 26.04 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Outer_Full | 24.01 | 24.78 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Inner_1RB_Left | 23.14 | 23.91 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Inner_1RB_Right | 23.49 | 24.26 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 15 | DFT-64QAM | L | Outer_Full | 23.6 | 24.37 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Inner_1RB_Left | 21.86 | 22.63 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Inner_1RB_Right | 22 | 22.77 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Outer_Full | 21.63 | 22.4 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | M | Inner_1RB_Left | 26.12 | 26.89 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | M | Inner_1RB_Right | 26.22 | 26.99 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | M | Outer_Full | 25.68 | 26.45 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | M | Inner_1RB_Left | 26.19 | 26.96 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | M | Inner_1RB_Right | 26.05 | 26.82 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | M | Outer_Full | 25.32 | 26.09 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Inner_1RB_Left | 25.24 | 26.01 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Inner_1RB_Right | 25.19 | 25.96 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Outer_Full | 24.28 | 25.05 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Inner_1RB_Left | 23.34 | 24.11 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Inner_1RB_Right | 23.57 | 24.34 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Outer_Full | 23.72 | 24.49 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Inner_1RB_Left | 22.2 | 22.97 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Inner_1RB_Right | 22.09 | 22.86 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Outer_Full | 21.73 | 22.5 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | H | Inner_1RB_Left | 26.27 | 27.04 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | H | Inner_1RB_Right | 26.21 | 26.98 | 33 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | H | Outer_Full | 25.74 | 26.51 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | H | Inner_1RB_Left | 26.19 | 26.96 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | H | Inner_1RB_Right | 26.25 | 27.02 | 33 | PASS |
| N38 | 30 | 15 | DFT-QPSK | H | Outer_Full | 25.39 | 26.16 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Inner_1RB_Left | 25.38 | 26.15 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Inner_1RB_Right | 25.32 | 26.09 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Outer_Full | 24.26 | 25.03 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Inner_1RB_Left | 23.34 | 24.11 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Inner_1RB_Right | 23.51 | 24.28 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Outer_Full | 23.85 | 24.62 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 15 | DFT-256QAM | H | Inner_1RB_Left | 21.9 | 22.67 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Inner_1RB_Right | 22 | 22.77 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Outer_Full | 21.78 | 22.55 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | L | Inner_1RB_Left | 26.03 | 26.8 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | L | Inner_1RB_Right | 26.13 | 26.9 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | L | Outer_Full | 25.6 | 26.37 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | L | Inner_1RB_Left | 26.03 | 26.8 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | L | Inner_1RB_Right | 26.05 | 26.82 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | L | Outer_Full | 25.11 | 25.88 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Inner_1RB_Left | 24.98 | 25.75 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Inner_1RB_Right | 25.19 | 25.96 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Outer_Full | 24.09 | 24.86 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Inner_1RB_Left | 23.22 | 23.99 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Inner_1RB_Right | 23.45 | 24.22 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Outer_Full | 23.52 | 24.29 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Inner_1RB_Left | 21.68 | 22.45 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Inner_1RB_Right | 21.97 | 22.74 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Outer_Full | 21.67 | 22.44 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | M | Inner_1RB_Left | 26.01 | 26.78 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | M | Inner_1RB_Right | 26.26 | 27.03 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | M | Outer_Full | 25.77 | 26.54 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | M | Inner_1RB_Left | 25.97 | 26.74 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | M | Inner_1RB_Right | 26.09 | 26.86 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | M | Outer_Full | 25.4 | 26.17 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Inner_1RB_Left | 25.14 | 25.91 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Inner_1RB_Right | 25.32 | 26.09 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Outer_Full | 24.25 | 25.02 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Inner_1RB_Left | 23.28 | 24.05 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Inner_1RB_Right | 23.57 | 24.34 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Outer_Full | 23.9 | 24.67 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Inner_1RB_Left | 21.81 | 22.58 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 20 | DFT-256QAM | M | Inner_1RB_Right | 22.32 | 23.09 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Outer_Full | 21.82 | 22.59 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | H | Inner_1RB_Left | 26.25 | 27.02 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | H | Inner_1RB_Right | 26.35 | 27.12 | 33 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | H | Outer_Full | 25.83 | 26.6 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | H | Inner_1RB_Left | 26.13 | 26.9 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | H | Inner_1RB_Right | 26.16 | 26.93 | 33 | PASS |
| N38 | 30 | 20 | DFT-QPSK | H | Outer_Full | 25.42 | 26.19 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Inner_1RB_Left | 25.28 | 26.05 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Inner_1RB_Right | 25.2 | 25.97 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Outer_Full | 24.36 | 25.13 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Inner_1RB_Left | 23.38 | 24.15 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Inner_1RB_Right | 23.37 | 24.14 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Outer_Full | 23.7 | 24.47 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Inner_1RB_Left | 21.92 | 22.69 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Inner_1RB_Right | 22.13 | 22.9 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Outer_Full | 21.89 | 22.66 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | L | Inner_1RB_Left | 25.78 | 26.55 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | L | Inner_1RB_Right | 26.19 | 26.96 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | L | Outer_Full | 25.48 | 26.25 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | L | Inner_1RB_Left | 22.38 | 23.15 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | L | Inner_1RB_Right | 26.15 | 26.92 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | L | Outer_Full | 25.05 | 25.82 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Inner_1RB_Left | 24.87 | 25.64 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Inner_1RB_Right | 25.08 | 25.85 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Outer_Full | 24.18 | 24.95 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Inner_1RB_Left | 23.01 | 23.78 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Inner_1RB_Right | 23.33 | 24.1 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Outer_Full | 23.58 | 24.35 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Inner_1RB_Left | 21.64 | 22.41 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Inner_1RB_Right | 21.82 | 22.59 | 33 | PASS |

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-256QAM | L | Outer_Full | 21.56 | 22.33 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Inner_1RB_Left | 25.9 | 26.67 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Inner_1RB_Right | 26.17 | 26.94 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | 25.67 | 26.44 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | M | Inner_1RB_Left | 25.86 | 26.63 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | M | Inner_1RB_Right | 26.22 | 26.99 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | M | Outer_Full | 25.16 | 25.93 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Inner_1RB_Left | 24.95 | 25.72 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Inner_1RB_Right | 25.23 | 26 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Outer_Full | 24.2 | 24.97 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Inner_1RB_Left | 23.07 | 23.84 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Inner_1RB_Right | 23.29 | 24.06 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Outer_Full | 23.72 | 24.49 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Inner_1RB_Left | 21.72 | 22.49 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Inner_1RB_Right | 21.93 | 22.7 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Outer_Full | 21.8 | 22.57 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | H | Inner_1RB_Left | 26 | 26.77 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | H | Inner_1RB_Right | 26.18 | 26.95 | 33 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | H | Outer_Full | 25.78 | 26.55 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | H | Inner_1RB_Left | 25.81 | 26.58 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | H | Inner_1RB_Right | 26.25 | 27.02 | 33 | PASS |
| N38 | 30 | 40 | DFT-QPSK | H | Outer_Full | 25.23 | 26 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Inner_1RB_Left | 25.05 | 25.82 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Inner_1RB_Right | 25.22 | 25.99 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Outer_Full | 24.27 | 25.04 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Inner_1RB_Left | 23.29 | 24.06 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Inner_1RB_Right | 23.39 | 24.16 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Outer_Full | 23.81 | 24.58 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Inner_1RB_Left | 21.7 | 22.47 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Inner_1RB_Right | 22.01 | 22.78 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Outer_Full | 21.84 | 22.61 | 33 | PASS |

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# Effective (Isotropic) Radiated Power Output Data for MIMO

## Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Power Ant1 ( dBm ) | Power Ant7 ( dBm ) | Total Power ( dBm ) | EIRP ( dBm ) | Limit ( dBm ) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 10 | DFT-BPSK | L | Inner_1RB_Left | 22.75 | 22.45 | 25.61 | 27.3 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | L | Inner_1RB_Right | 22.86 | 22.6 | 25.74 | 27.43 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | L | Outer_Full | 21.83 | 21.61 | 24.73 | 26.42 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Inner_1RB_Left | 21.68 | 21.42 | 24.56 | 26.25 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Inner_1RB_Right | 21.8 | 21.56 | 24.69 | 26.38 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Outer_Full | 20.84 | 20.54 | 23.70 | 25.39 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Inner_1RB_Left | 20.08 | 19.93 | 23.02 | 24.71 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Inner_1RB_Right | 20.2 | 20.05 | 23.14 | 24.83 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Outer_Full | 20.31 | 20.06 | 23.20 | 24.89 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Inner_1RB_Left | 18.58 | 17.95 | 21.29 | 22.98 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Inner_1RB_Right | 18.6 | 18.02 | 21.33 | 23.02 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Outer_Full | 18.75 | 17.99 | 21.40 | 23.09 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | M | Inner_1RB_Left | 22.82 | 22.55 | 25.7 | 27.39 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | M | Inner_1RB_Right | 22.78 | 22.57 | 25.69 | 27.38 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | M | Outer_Full | 21.76 | 21.63 | 24.71 | 26.4 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Inner_1RB_Left | 21.76 | 21.54 | 24.66 | 26.35 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Inner_1RB_Right | 21.67 | 21.58 | 24.64 | 26.33 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Outer_Full | 20.75 | 20.56 | 23.67 | 25.36 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Inner_1RB_Left | 20.23 | 19.99 | 23.12 | 24.81 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Inner_1RB_Right | 20.06 | 19.95 | 23.02 | 24.71 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Outer_Full | 20.22 | 20.08 | 23.16 | 24.85 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Inner_1RB_Left | 18.55 | 18 | 21.29 | 22.98 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Inner_1RB_Right | 18.5 | 17.97 | 21.25 | 22.94 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Outer_Full | 18.66 | 18.02 | 21.36 | 23.05 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 10 | DFT-BPSK | H | Inner_1RB_Left | 22.68 | 22.54 | 25.62 | 27.31 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | H | Inner_1RB_Right | 22.86 | 22.69 | 25.79 | 27.48 | 33 | PASS |
| N38 | 30 | 10 | DFT-BPSK | H | Outer_Full | 21.78 | 21.68 | 24.74 | 26.43 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Inner_1RB_Left | 21.6 | 21.4 | 24.51 | 26.2 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Inner_1RB_Right | 21.75 | 21.65 | 24.71 | 26.4 | 33 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Outer_Full | 20.75 | 20.57 | 23.67 | 25.36 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Inner_1RB_Left | 19.99 | 19.93 | 22.97 | 24.66 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Inner_1RB_Right | 20.22 | 20.08 | 23.16 | 24.85 | 33 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Outer_Full | 20.21 | 20.08 | 23.16 | 24.85 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Inner_1RB_Left | 18.49 | 17.93 | 21.23 | 22.92 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Inner_1RB_Right | 18.51 | 18.08 | 21.31 | 23 | 33 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Outer_Full | 18.64 | 18.12 | 21.40 | 23.09 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | L | Inner_1RB_Left | 22.76 | 22.52 | 25.65 | 27.34 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | L | Inner_1RB_Right | 22.88 | 22.73 | 25.82 | 27.51 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | L | Outer_Full | 21.81 | 21.66 | 24.75 | 26.44 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Inner_1RB_Left | 21.64 | 21.38 | 24.52 | 26.21 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Inner_1RB_Right | 21.8 | 21.6 | 24.71 | 26.4 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Outer_Full | 20.84 | 20.64 | 23.75 | 25.44 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Inner_1RB_Left | 20.07 | 19.85 | 22.97 | 24.66 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Inner_1RB_Right | 20.39 | 20.21 | 23.31 | 25 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Outer_Full | 20.34 | 20.11 | 23.24 | 24.93 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Inner_1RB_Left | 18.51 | 17.88 | 21.22 | 22.91 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Inner_1RB_Right | 18.65 | 18.01 | 21.35 | 23.04 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | L | Outer_Full | 18.73 | 18.02 | 21.40 | 23.09 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | M | Inner_1RB_Left | 22.82 | 22.64 | 25.74 | 27.43 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | M | Inner_1RB_Right | 22.65 | 22.57 | 25.62 | 27.31 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | M | Outer_Full | 21.8 | 21.64 | 24.73 | 26.42 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Inner_1RB_Left | 21.73 | 21.61 | 24.68 | 26.37 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Inner_1RB_Right | 21.55 | 21.59 | 24.58 | 26.27 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Outer_Full | 20.76 | 20.63 | 23.71 | 25.4 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Inner_1RB_Left | 20.31 | 20.06 | 23.20 | 24.89 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 15 | DFT-64QAM | M | Inner_1RB_Right | 20.22 | 20 | 23.12 | 24.81 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Outer_Full | 20.3 | 20.13 | 23.23 | 24.92 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Inner_1RB_Left | 18.61 | 17.97 | 21.31 | 23 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Inner_1RB_Right | 18.49 | 17.98 | 21.25 | 22.94 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Outer_Full | 18.69 | 18.08 | 21.41 | 23.1 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | H | Inner_1RB_Left | 22.5 | 22.41 | 25.47 | 27.16 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | H | Inner_1RB_Right | 22.82 | 22.71 | 25.78 | 27.47 | 33 | PASS |
| N38 | 30 | 15 | DFT-BPSK | H | Outer_Full | 21.7 | 21.6 | 24.66 | 26.35 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Inner_1RB_Left | 21.55 | 21.33 | 24.45 | 26.14 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Inner_1RB_Right | 21.83 | 21.67 | 24.76 | 26.45 | 33 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Outer_Full | 20.71 | 20.58 | 23.66 | 25.35 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Inner_1RB_Left | 19.93 | 19.8 | 22.88 | 24.57 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Inner_1RB_Right | 20.21 | 20.1 | 23.17 | 24.86 | 33 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Outer_Full | 20.21 | 20.06 | 23.15 | 24.84 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Inner_1RB_Left | 18.48 | 17.9 | 21.21 | 22.9 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Inner_1RB_Right | 18.43 | 18.12 | 21.29 | 22.98 | 33 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Outer_Full | 18.57 | 17.98 | 21.30 | 22.99 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | L | Inner_1RB_Left | 22.77 | 22.48 | 25.64 | 27.33 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | L | Inner_1RB_Right | 22.87 | 22.7 | 25.8 | 27.49 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | L | Outer_Full | 21.85 | 21.67 | 24.77 | 26.46 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Inner_1RB_Left | 21.61 | 21.53 | 24.58 | 26.27 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Inner_1RB_Right | 21.8 | 21.67 | 24.75 | 26.44 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Outer_Full | 20.82 | 20.64 | 23.74 | 25.43 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Inner_1RB_Left | 20.09 | 19.93 | 23.02 | 24.71 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Inner_1RB_Right | 20.38 | 20.14 | 23.27 | 24.96 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Outer_Full | 20.35 | 20.1 | 23.24 | 24.93 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Inner_1RB_Left | 18.55 | 18.03 | 21.31 | 23 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Inner_1RB_Right | 18.64 | 18.2 | 21.44 | 23.13 | 33 | PASS |
| N38 | 30 | 20 | DFT- | L | Outer_Full | 18.73 | 18.05 | 21.41 | 23.1 | 33 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 256QAM | | | | | | | | |
| N38 | 30 | 20 | DFT-BPSK | M | Inner_1RB_Left | 22.86 | 22.6 | 25.74 | 27.43 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | M | Inner_1RB_Right | 22.7 | 22.58 | 25.65 | 27.34 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | M | Outer_Full | 21.76 | 21.55 | 24.67 | 26.36 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Inner_1RB_Left | 21.82 | 21.53 | 24.69 | 26.38 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Inner_1RB_Right | 21.63 | 21.63 | 24.64 | 26.33 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Outer_Full | 20.74 | 20.56 | 23.66 | 25.35 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Inner_1RB_Left | 20.31 | 20.06 | 23.20 | 24.89 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Inner_1RB_Right | 20.14 | 20.23 | 23.20 | 24.89 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Outer_Full | 20.25 | 20.16 | 23.22 | 24.91 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Inner_1RB_Left | 18.62 | 17.88 | 21.28 | 22.97 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Inner_1RB_Right | 18.36 | 18.03 | 21.21 | 22.9 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Outer_Full | 18.6 | 18.04 | 21.34 | 23.03 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | H | Inner_1RB_Left | 22.65 | 22.46 | 25.57 | 27.26 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | H | Inner_1RB_Right | 22.88 | 22.68 | 25.79 | 27.48 | 33 | PASS |
| N38 | 30 | 20 | DFT-BPSK | H | Outer_Full | 21.72 | 21.57 | 24.66 | 26.35 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Inner_1RB_Left | 21.67 | 21.45 | 24.57 | 26.26 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Inner_1RB_Right | 21.78 | 21.61 | 24.71 | 26.4 | 33 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Outer_Full | 20.68 | 20.55 | 23.63 | 25.32 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Inner_1RB_Left | 20.02 | 19.82 | 22.93 | 24.62 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Inner_1RB_Right | 20.15 | 20.06 | 23.12 | 24.81 | 33 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Outer_Full | 20.17 | 20.06 | 23.13 | 24.82 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Inner_1RB_Left | 18.44 | 17.85 | 21.17 | 22.86 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Inner_1RB_Right | 18.53 | 18.17 | 21.36 | 23.05 | 33 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Outer_Full | 18.59 | 17.97 | 21.30 | 22.99 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | L | Inner_1RB_Left | 22.74 | 22.6 | 25.68 | 27.37 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | L | Inner_1RB_Right | 22.63 | 22.79 | 25.72 | 27.41 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | L | Outer_Full | 21.77 | 21.66 | 24.73 | 26.42 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Inner_1RB_Left | 21.67 | 21.55 | 24.62 | 26.31 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Inner_1RB_Right | 21.59 | 21.78 | 24.70 | 26.39 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Outer_Full | 20.74 | 20.67 | 23.72 | 25.41 | 33 | PASS |

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| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-64QAM | L | Inner_1RB_Left | 20.27 | 19.93 | 23.11 | 24.8 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Inner_1RB_Right | 20 | 20.1 | 23.06 | 24.75 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Outer_Full | 20.28 | 20.11 | 23.21 | 24.9 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Inner_1RB_Left | 18.37 | 18.18 | 21.29 | 22.98 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Inner_1RB_Right | 18.3 | 18.36 | 21.34 | 23.03 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Outer_Full | 18.54 | 18.11 | 21.34 | 23.03 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | M | Inner_1RB_Left | 22.68 | 22.61 | 25.66 | 27.35 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | M | Inner_1RB_Right | 22.77 | 22.86 | 25.83 | 27.52 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | M | Outer_Full | 21.76 | 21.66 | 24.72 | 26.41 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Inner_1RB_Left | 21.7 | 21.54 | 24.63 | 26.32 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Inner_1RB_Right | 21.76 | 21.87 | 24.83 | 26.52 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Outer_Full | 20.69 | 20.69 | 23.70 | 25.39 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Inner_1RB_Left | 20.18 | 20.09 | 23.15 | 24.84 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Inner_1RB_Right | 20.14 | 20.4 | 23.28 | 24.97 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Outer_Full | 20.23 | 20.16 | 23.21 | 24.9 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Inner_1RB_Left | 18.44 | 18.21 | 21.34 | 23.03 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Inner_1RB_Right | 18.5 | 18.52 | 21.52 | 23.21 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Outer_Full | 18.51 | 18.13 | 21.33 | 23.02 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | H | Inner_1RB_Left | 22.91 | 22.69 | 25.81 | 27.5 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | H | Inner_1RB_Right | 22.89 | 22.91 | 25.91 | 27.6 | 33 | PASS |
| N38 | 30 | 40 | DFT-BPSK | H | Outer_Full | 21.8 | 21.67 | 24.75 | 26.44 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Inner_1RB_Left | 21.72 | 21.81 | 24.78 | 26.47 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Inner_1RB_Right | 21.9 | 21.87 | 24.90 | 26.59 | 33 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Outer_Full | 20.82 | 20.68 | 23.76 | 25.45 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Inner_1RB_Left | 20.41 | 20.06 | 23.25 | 24.94 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Inner_1RB_Right | 20.3 | 20.33 | 23.33 | 25.02 | 33 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Outer_Full | 20.33 | 20.18 | 23.27 | 24.96 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Inner_1RB_Left | 18.66 | 18.23 | 21.46 | 23.15 | 33 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Inner_1RB_Right | 18.62 | 18.6 | 21.62 | 23.31 | 33 | PASS |

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| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-256QAM | H | Outer_Full | 18.58 | 18.11 | 21.36 | 23.05 | 33 | PASS |

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## Peak-to-Average Ratio for SA

## Peak-to-Average Ratio(PAPR)

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config | DutyCycle | Factor | Result | Limit | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-256QAM | L | Outer_Full | 100% | 0.00 | 9.92 | ≤13 | PASS |
| N38 | 30 | 40 | CP-256QAM | L | Outer_Full | 100% | 0.00 | 10.05 | ≤13 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Outer_Full | 100% | 0.00 | 9.37 | ≤13 | PASS |
| N38 | 30 | 40 | CP-256QAM | M | Outer_Full | 100% | 0.00 | 9.57 | ≤13 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Outer_Full | 100% | 0.00 | 9.78 | ≤13 | PASS |
| N38 | 30 | 40 | CP-256QAM | H | Outer_Full | 100% | 0.00 | 9.33 | ≤13 | PASS |

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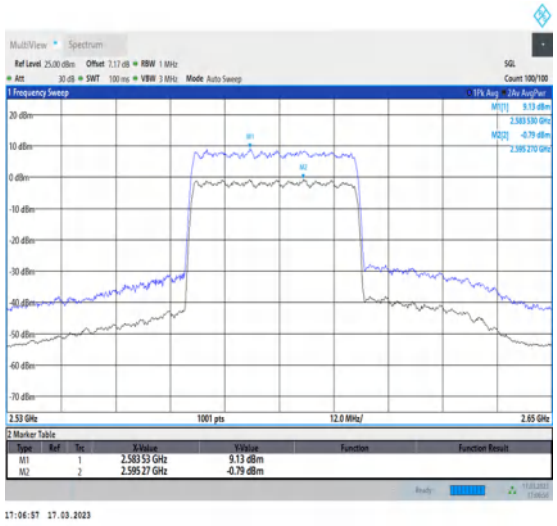
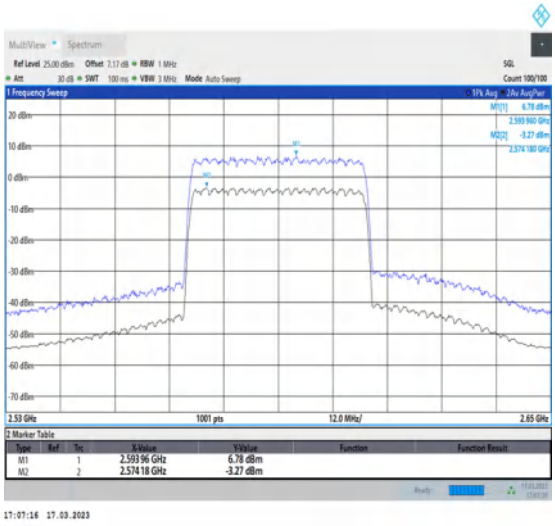
## Test Graphs




1-N38-30-40-L-1-DFT-256QAM-Outer_Full-100@0-Ant1-9.92-100%-0.00-9.92-PASS-≤13

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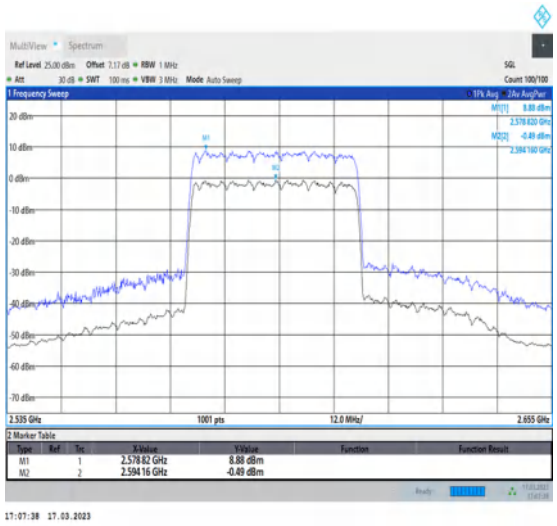


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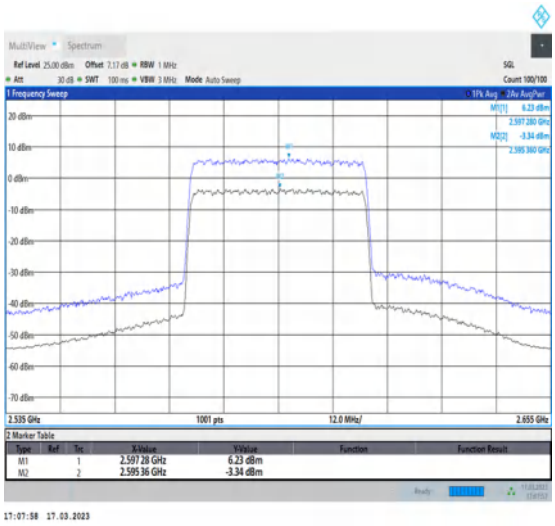


1-N38-30-40-M-2-CP-256QAM-Outer_Full-106@0-Ant1-9.57-100%-0.00-9.57-PASS-≤13

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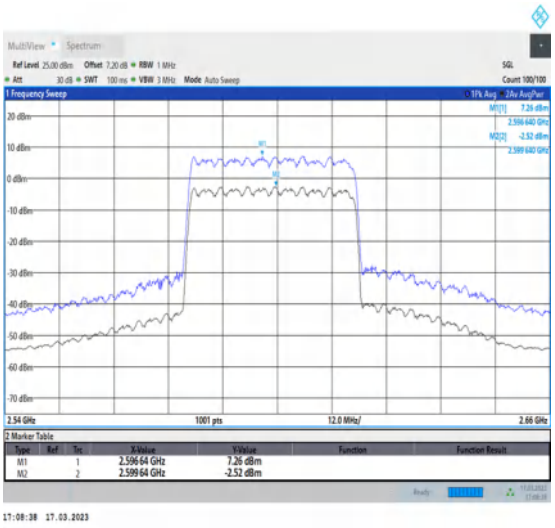
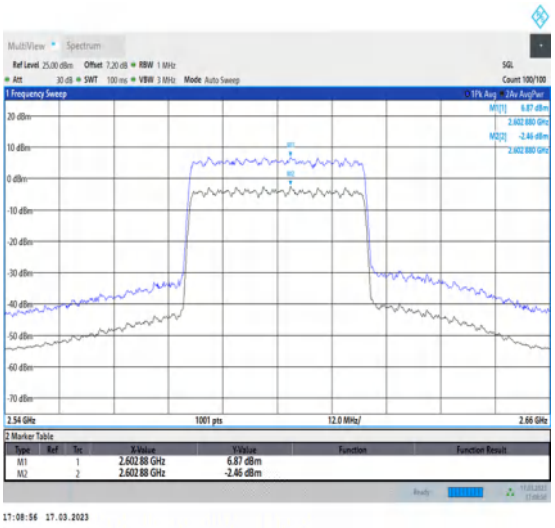
|---|---|
|  |  |
| 1-N38-30-40-H-1-DFT-256QAM-Outer_Full-100@0-Ant1-9.78-100%-0.00-9.78-PASS-≤13 | 1-N38-30-40-H-2-CP-256QAM-Outer_Full-106@0-Ant1-9.33-100%-0.00-9.33-PASS-≤13 |

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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 |
|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 10 | DFT-QPSK | L | Outer_Full | 8.627 | 9.240 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | L | Outer_Full | 8.556 | 9.240 | PASS |
| N38 | 30 | 10 | DFT-16QAM | L | Outer_Full | 8.562 | 9.080 | PASS |
| N38 | 30 | 10 | DFT-64QAM | L | Outer_Full | 8.585 | 9.060 | PASS |
| N38 | 30 | 10 | DFT-256QAM | L | Outer_Full | 8.513 | 8.960 | PASS |
| N38 | 30 | 10 | CP-QPSK | L | Outer_Full | 8.569 | 9.080 | PASS |
| N38 | 30 | 10 | CP-16QAM | L | Outer_Full | 8.594 | 9.220 | PASS |
| N38 | 30 | 10 | CP-64QAM | L | Outer_Full | 8.557 | 9.260 | PASS |
| N38 | 30 | 10 | CP-256QAM | L | Outer_Full | 8.564 | 9.220 | PASS |
| N38 | 30 | 10 | DFT-QPSK | M | Outer_Full | 8.577 | 9.080 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | M | Outer_Full | 8.574 | 9.240 | PASS |
| N38 | 30 | 10 | DFT-16QAM | M | Outer_Full | 8.572 | 9.160 | PASS |
| N38 | 30 | 10 | DFT-64QAM | M | Outer_Full | 8.545 | 9.160 | PASS |
| N38 | 30 | 10 | DFT-256QAM | M | Outer_Full | 8.582 | 9.300 | PASS |
| N38 | 30 | 10 | CP-QPSK | M | Outer_Full | 8.588 | 9.120 | PASS |
| N38 | 30 | 10 | CP-16QAM | M | Outer_Full | 8.586 | 9.240 | PASS |
| N38 | 30 | 10 | CP-64QAM | M | Outer_Full | 8.581 | 9.040 | PASS |
| N38 | 30 | 10 | CP-256QAM | M | Outer_Full | 8.588 | 9.180 | PASS |
| N38 | 30 | 10 | DFT-QPSK | H | Outer_Full | 8.559 | 9.220 | PASS |
| N38 | 30 | 10 | DFT-PI2BPSK | H | Outer_Full | 8.573 | 9.000 | PASS |
| N38 | 30 | 10 | DFT-16QAM | H | Outer_Full | 8.584 | 9.080 | PASS |
| N38 | 30 | 10 | DFT-64QAM | H | Outer_Full | 8.601 | 9.360 | PASS |
| N38 | 30 | 10 | DFT-256QAM | H | Outer_Full | 8.579 | 9.220 | PASS |
| N38 | 30 | 10 | CP-QPSK | H | Outer_Full | 8.577 | 9.360 | PASS |
| N38 | 30 | 10 | CP-16QAM | H | Outer_Full | 8.603 | 9.220 | PASS |
| N38 | 30 | 10 | CP-64QAM | H | Outer_Full | 8.563 | 9.200 | PASS |
| N38 | 30 | 10 | CP-256QAM | H | Outer_Full | 8.576 | 9.140 | PASS |
| N38 | 30 | 15 | DFT-QPSK | L | Outer_Full | 12.865 | 13.590 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | L | Outer_Full | 12.834 | 13.740 | PASS |
| N38 | 30 | 15 | DFT-16QAM | L | Outer_Full | 12.835 | 13.770 | PASS |
| N38 | 30 | 15 | DFT-64QAM | L | Outer_Full | 12.827 | 13.530 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 15 | DFT-256QAM | L | Outer_Full | 12.833 | 13.710 | PASS |
| N38 | 30 | 15 | CP-QPSK | L | Outer_Full | 13.593 | 14.250 | PASS |
| N38 | 30 | 15 | CP-16QAM | L | Outer_Full | 13.553 | 14.370 | PASS |
| N38 | 30 | 15 | CP-64QAM | L | Outer_Full | 13.56 | 14.520 | PASS |
| N38 | 30 | 15 | CP-256QAM | L | Outer_Full | 13.578 | 14.370 | PASS |
| N38 | 30 | 15 | DFT-QPSK | M | Outer_Full | 12.817 | 13.650 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | M | Outer_Full | 12.831 | 13.770 | PASS |
| N38 | 30 | 15 | DFT-16QAM | M | Outer_Full | 12.831 | 13.620 | PASS |
| N38 | 30 | 15 | DFT-64QAM | M | Outer_Full | 12.859 | 13.650 | PASS |
| N38 | 30 | 15 | DFT-256QAM | M | Outer_Full | 12.859 | 13.710 | PASS |
| N38 | 30 | 15 | CP-QPSK | M | Outer_Full | 13.552 | 14.160 | PASS |
| N38 | 30 | 15 | CP-16QAM | M | Outer_Full | 13.569 | 14.430 | PASS |
| N38 | 30 | 15 | CP-64QAM | M | Outer_Full | 13.613 | 14.250 | PASS |
| N38 | 30 | 15 | CP-256QAM | M | Outer_Full | 13.567 | 14.610 | PASS |
| N38 | 30 | 15 | DFT-QPSK | H | Outer_Full | 12.865 | 13.620 | PASS |
| N38 | 30 | 15 | DFT-PI2BPSK | H | Outer_Full | 12.836 | 13.590 | PASS |
| N38 | 30 | 15 | DFT-16QAM | H | Outer_Full | 12.917 | 13.620 | PASS |
| N38 | 30 | 15 | DFT-64QAM | H | Outer_Full | 12.859 | 13.770 | PASS |
| N38 | 30 | 15 | DFT-256QAM | H | Outer_Full | 12.854 | 13.710 | PASS |
| N38 | 30 | 15 | CP-QPSK | H | Outer_Full | 13.561 | 14.250 | PASS |
| N38 | 30 | 15 | CP-16QAM | H | Outer_Full | 13.566 | 14.430 | PASS |
| N38 | 30 | 15 | CP-64QAM | H | Outer_Full | 13.518 | 14.220 | PASS |
| N38 | 30 | 15 | CP-256QAM | H | Outer_Full | 13.613 | 14.430 | PASS |
| N38 | 30 | 20 | DFT-QPSK | L | Outer_Full | 17.871 | 18.600 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | L | Outer_Full | 17.846 | 18.640 | PASS |
| N38 | 30 | 20 | DFT-16QAM | L | Outer_Full | 17.894 | 18.560 | PASS |
| N38 | 30 | 20 | DFT-64QAM | L | Outer_Full | 17.784 | 18.880 | PASS |
| N38 | 30 | 20 | DFT-256QAM | L | Outer_Full | 17.903 | 18.600 | PASS |
| N38 | 30 | 20 | CP-QPSK | L | Outer_Full | 18.23 | 19.080 | PASS |
| N38 | 30 | 20 | CP-16QAM | L | Outer_Full | 18.057 | 18.880 | PASS |
| N38 | 30 | 20 | CP-64QAM | L | Outer_Full | 18.229 | 19.040 | PASS |
| N38 | 30 | 20 | CP-256QAM | L | Outer_Full | 18.178 | 19.080 | PASS |
| N38 | 30 | 20 | DFT-QPSK | M | Outer_Full | 17.772 | 18.640 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | M | Outer_Full | 17.882 | 18.560 | PASS |
| N38 | 30 | 20 | DFT-16QAM | M | Outer_Full | 17.8 | 18.560 | PASS |
| N38 | 30 | 20 | DFT-64QAM | M | Outer_Full | 17.799 | 18.680 | PASS |
| N38 | 30 | 20 | DFT-256QAM | M | Outer_Full | 17.803 | 18.600 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 20 | CP-QPSK | M | Outer_Full | 18.229 | 19.160 | PASS |
| N38 | 30 | 20 | CP-16QAM | M | Outer_Full | 18.174 | 18.880 | PASS |
| N38 | 30 | 20 | CP-64QAM | M | Outer_Full | 18.288 | 19.000 | PASS |
| N38 | 30 | 20 | CP-256QAM | M | Outer_Full | 18.214 | 18.960 | PASS |
| N38 | 30 | 20 | DFT-QPSK | H | Outer_Full | 17.758 | 18.640 | PASS |
| N38 | 30 | 20 | DFT-PI2BPSK | H | Outer_Full | 17.829 | 18.560 | PASS |
| N38 | 30 | 20 | DFT-16QAM | H | Outer_Full | 17.859 | 18.680 | PASS |
| N38 | 30 | 20 | DFT-64QAM | H | Outer_Full | 17.792 | 18.720 | PASS |
| N38 | 30 | 20 | DFT-256QAM | H | Outer_Full | 17.783 | 18.560 | PASS |
| N38 | 30 | 20 | CP-QPSK | H | Outer_Full | 18.194 | 19.040 | PASS |
| N38 | 30 | 20 | CP-16QAM | H | Outer_Full | 18.135 | 19.080 | PASS |
| N38 | 30 | 20 | CP-64QAM | H | Outer_Full | 18.248 | 19.120 | PASS |
| N38 | 30 | 20 | CP-256QAM | H | Outer_Full | 18.184 | 18.920 | PASS |
| N38 | 30 | 40 | DFT-QPSK | L | Outer_Full | 35.686 | 37.440 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | L | Outer_Full | 35.731 | 37.200 | PASS |
| N38 | 30 | 40 | DFT-16QAM | L | Outer_Full | 35.685 | 37.280 | PASS |
| N38 | 30 | 40 | DFT-64QAM | L | Outer_Full | 35.817 | 37.280 | PASS |
| N38 | 30 | 40 | DFT-256QAM | L | Outer_Full | 35.829 | 37.440 | PASS |
| N38 | 30 | 40 | CP-QPSK | L | Outer_Full | 37.768 | 39.440 | PASS |
| N38 | 30 | 40 | CP-16QAM | L | Outer_Full | 37.711 | 39.520 | PASS |
| N38 | 30 | 40 | CP-64QAM | L | Outer_Full | 37.726 | 39.520 | PASS |
| N38 | 30 | 40 | CP-256QAM | L | Outer_Full | 37.745 | 39.440 | PASS |
| N38 | 30 | 40 | DFT-QPSK | M | Outer_Full | 35.763 | 37.280 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | 35.854 | 37.360 | PASS |
| N38 | 30 | 40 | DFT-16QAM | M | Outer_Full | 35.778 | 37.440 | PASS |
| N38 | 30 | 40 | DFT-64QAM | M | Outer_Full | 35.673 | 37.200 | PASS |
| N38 | 30 | 40 | DFT-256QAM | M | Outer_Full | 35.72 | 37.200 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | 37.879 | 39.360 | PASS |
| N38 | 30 | 40 | CP-16QAM | M | Outer_Full | 37.832 | 39.440 | PASS |
| N38 | 30 | 40 | CP-64QAM | M | Outer_Full | 37.796 | 39.360 | PASS |
| N38 | 30 | 40 | CP-256QAM | M | Outer_Full | 37.881 | 39.360 | PASS |
| N38 | 30 | 40 | DFT-QPSK | H | Outer_Full | 35.799 | 37.440 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | H | Outer_Full | 35.786 | 37.520 | PASS |
| N38 | 30 | 40 | DFT-16QAM | H | Outer_Full | 35.781 | 37.360 | PASS |
| N38 | 30 | 40 | DFT-64QAM | H | Outer_Full | 35.847 | 37.520 | PASS |
| N38 | 30 | 40 | DFT-256QAM | H | Outer_Full | 35.836 | 37.680 | PASS |
| N38 | 30 | 40 | CP-QPSK | H | Outer_Full | 37.792 | 39.600 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | CP-16QAM | H | Outer_Full | 37.792 | 39.440 | PASS |
| N38 | 30 | 40 | CP-64QAM | H | Outer_Full | 37.943 | 39.680 | PASS |
| N38 | 30 | 40 | CP-256QAM | H | Outer_Full | 37.801 | 39.600 | PASS |

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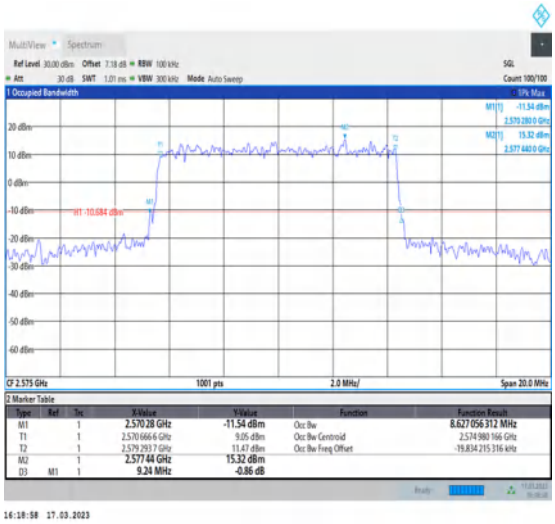
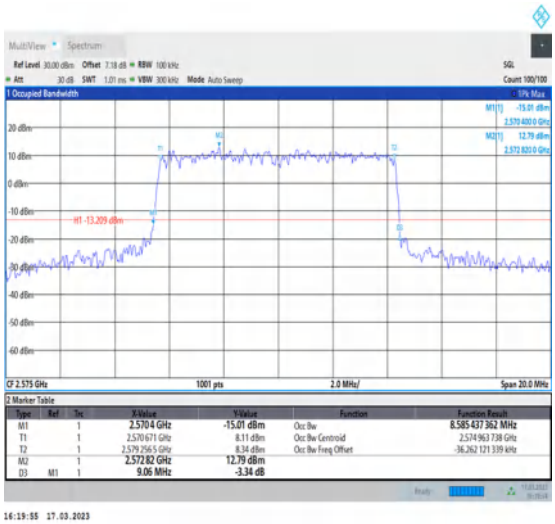
## Test Graphs




1-N38-30-10-L-1-DFT-QPSK-Outer_Full-24@0-Ant1-8.627-9.240-≤10-PASS

1-N38-30-10-L-2-DFT-PI2BPSK-Outer_Full-24@0-Ant1-8.556-9.240-≤10-PASS

1-N38-30-10-L-3-DFT-16QAM-Outer_Full-24@0-Ant1-8.562-9.080-≤10-PASS




1-N38-30-10-L-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.585-9.060-≤10-PASS

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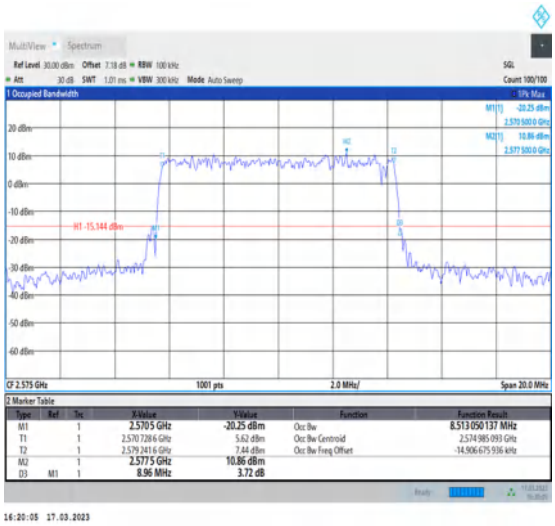
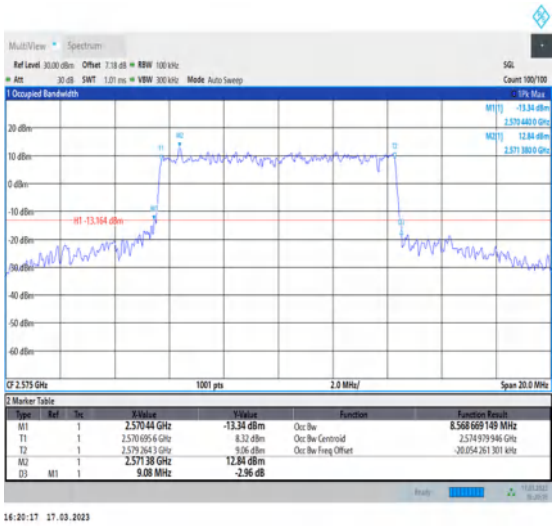


1-N38-30-10-L-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.513-8.960-≤10-PASS



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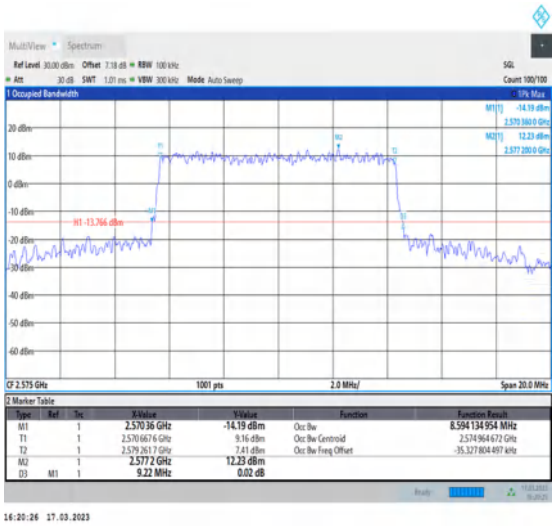
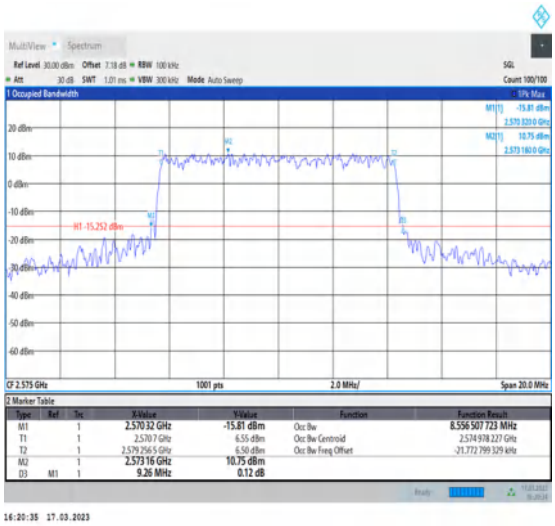


1-N38-30-10-L-7-CP-16QAM-Outer_Full-24@0-Ant1-8.594-9.220-≤10-PASS



1-N38-30-10-L-8-CP-64QAM-Outer_Full-24@0-Ant1-8.557-9.260-≤10-PASS

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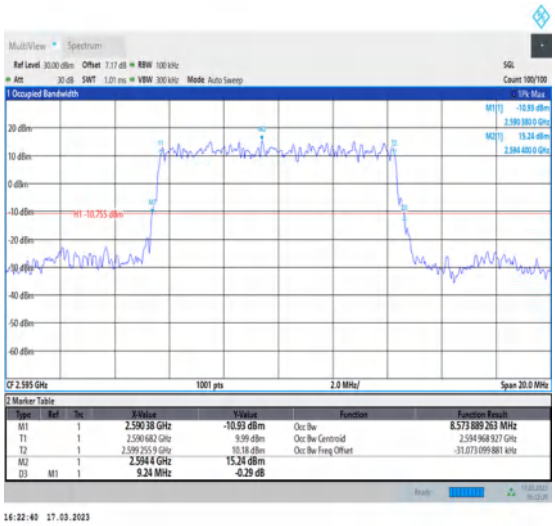
1-N38-30-10-L-9-CP-256QAM-Outer_Full-24@0-Ant1-8.564-9.220-≤10-PASS

1-N38-30-10-M-1-DFT-QPSK-Outer_Full-24@0-Ant1-8.577-9.080-≤10-PASS




1-N38-30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-Ant1-8.574-9.240-≤10-PASS

1-N38-30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant1-8.572-9.160-≤10-PASS

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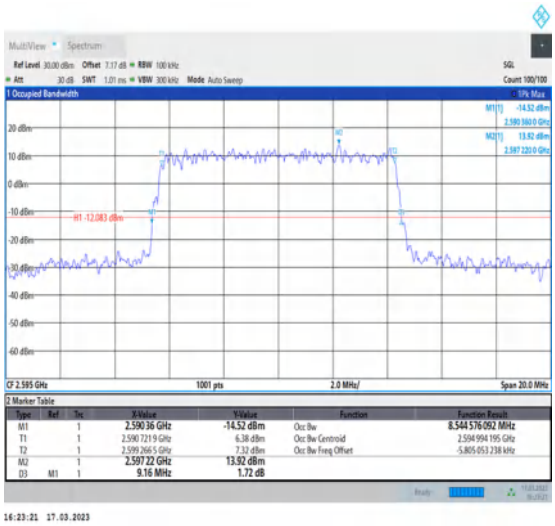
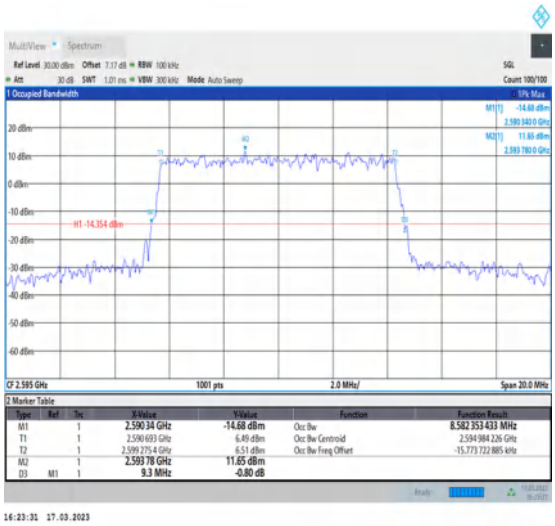
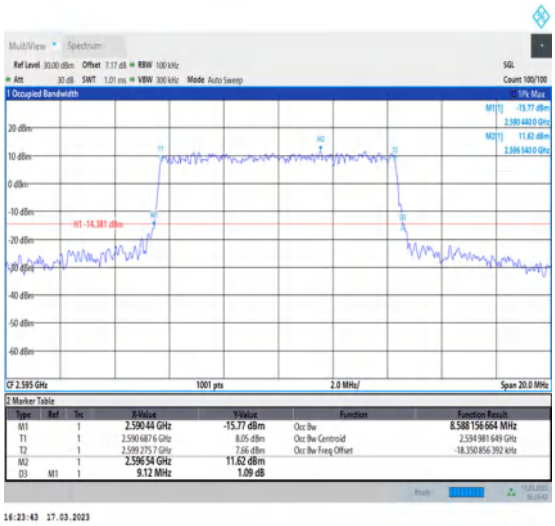



1-N38-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.545-9.160-≤10-PASS




1-N38-30-10-M-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.582-9.300-≤10-PASS

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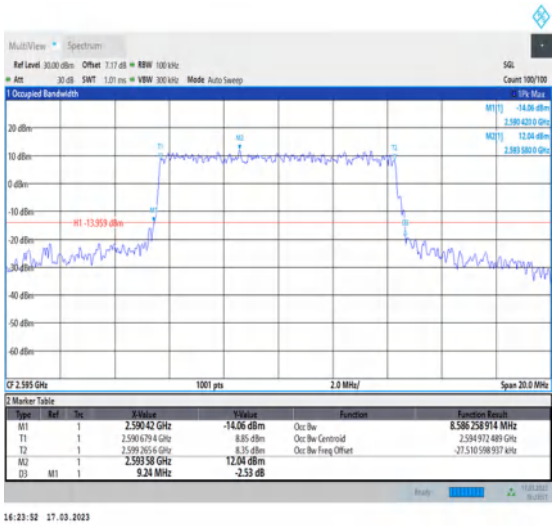


1-N38-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant1-8.586-9.240-≤10-PASS

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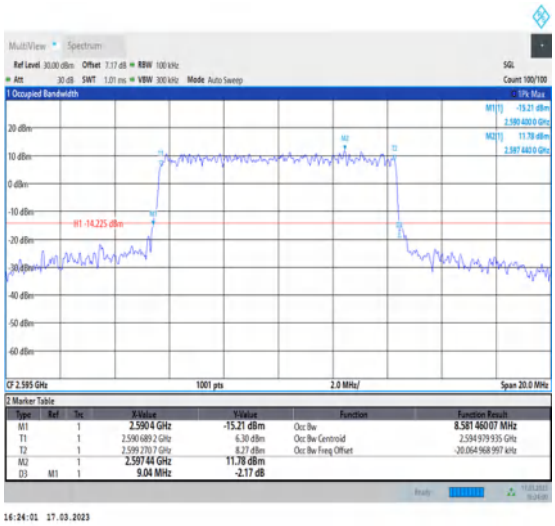


1-N38-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant1-8.581-9.040-≤10-PASS

1-N38-30-10-M-9-CP-256QAM-Outer_Full-24@0-Ant1-8.588-9.180-≤10-PASS

1-N38-30-10-H-1-DFT-QPSK-Outer_Full-24@0-Ant1-8.559-9.220-≤10-PASS

1-N38-30-10-H-2-DFT-PI2BPSK-Outer_Full-24@0-Ant1-8.573-9.000-≤10-PASS

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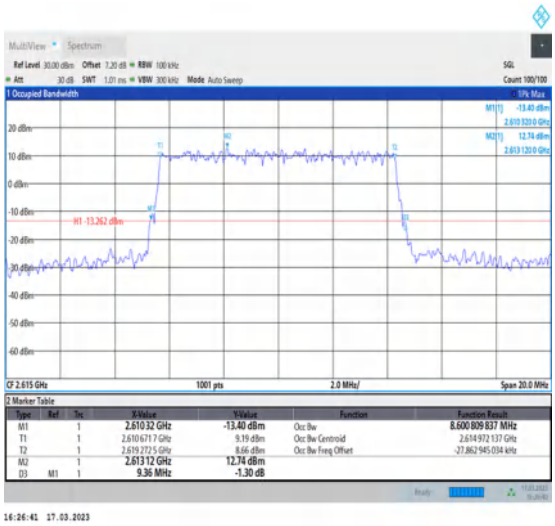
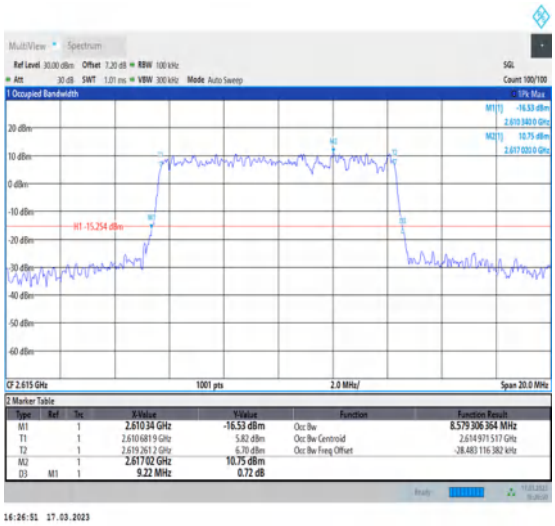
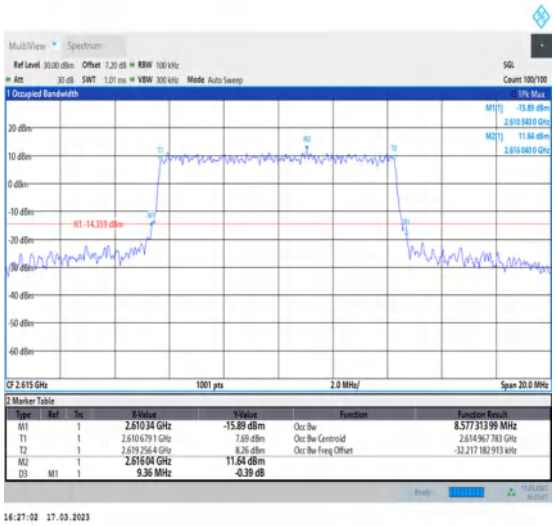



1-N38-30-10-H-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.601-9.360-≤10-PASS




1-N38-30-10-H-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.579-9.220-≤10-PASS




1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-8.577-9.360-≤10-PASS

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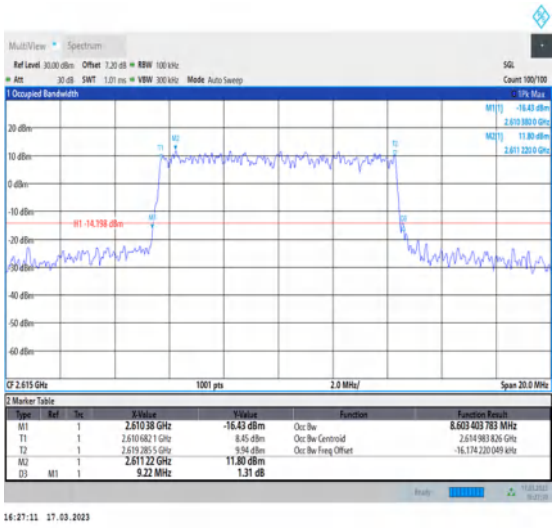


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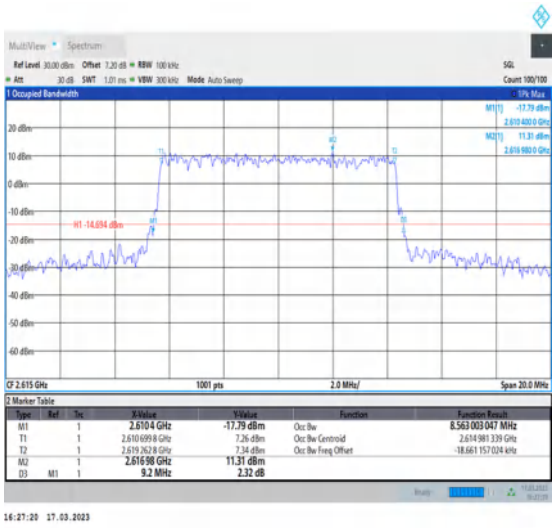


1-N38-30-10-H-8-CP-64QAM-Outer_Full-24@0-Ant1-8.563-9.200-≤10-PASS

1-N38-30-10-H-9-CP-256QAM-Outer_Full-24@0-Ant1-8.576-9.140-≤10-PASS

1-N38-30-15-L-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.865-13.590-≤15-PASS

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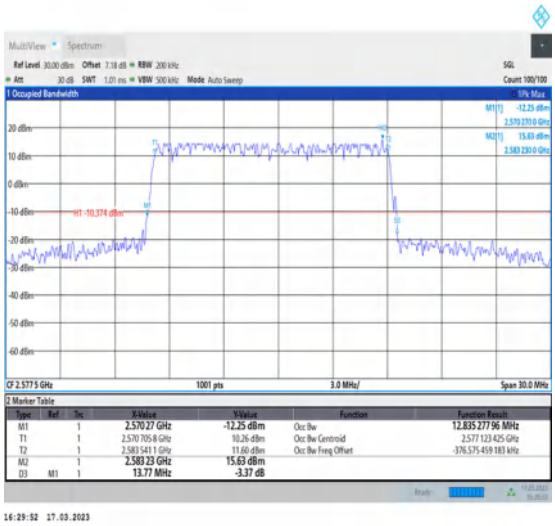
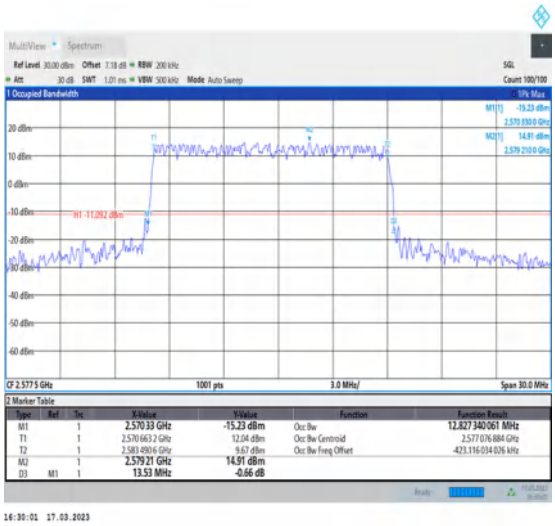
1-N38-30-15-L-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.834-13.740-≤15-PASS




1-N38-30-15-L-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.835-13.770-≤15-PASS

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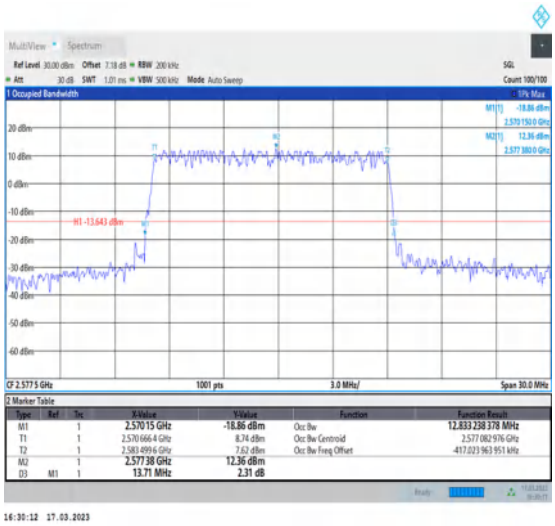


1-N38-30-15-L-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.833-13.710-≤15-PASS

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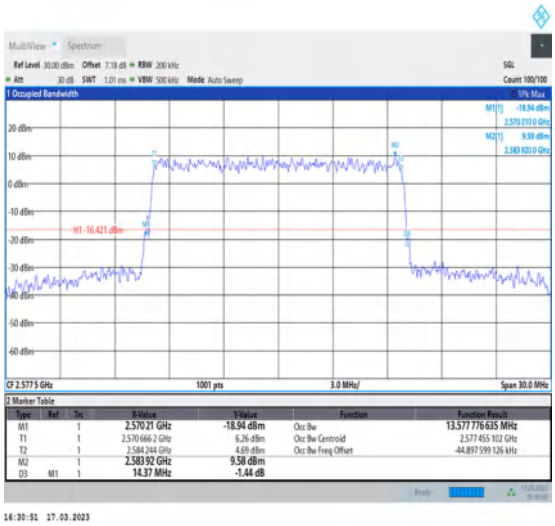
1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-13.593-14.250-≤15-PASS

1-N38-30-15-L-7-CP-16QAM-Outer_Full-38@0-Ant1-13.553-14.370-≤15-PASS

1-N38-30-15-L-8-CP-64QAM-Outer_Full-38@0-Ant1-13.56-14.520-≤15-PASS




1-N38-30-15-L-9-CP-256QAM-Outer_Full-38@0-Ant1-13.578-14.370-≤15-PASS

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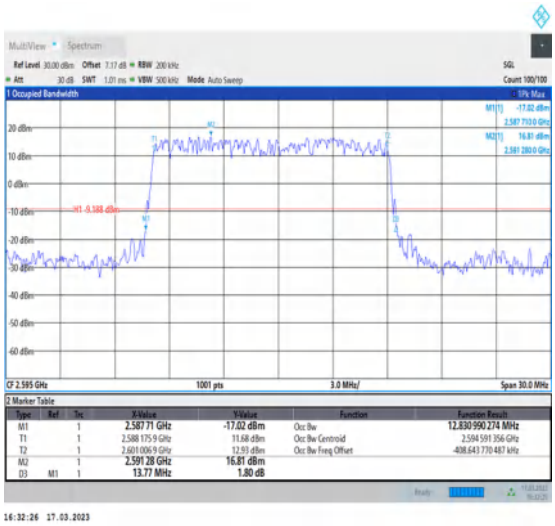
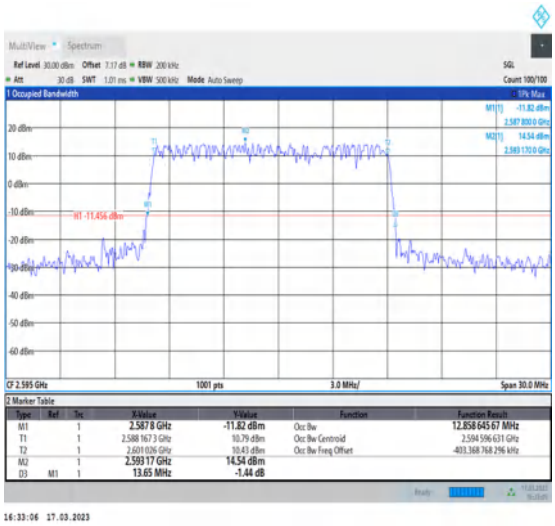
1-N38-30-15-M-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.817-13.650-≤15-PASS




1-N38-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.831-13.770-≤15-PASS

1-N38-30-15-M-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.831-13.620-≤15-PASS




1-N38-30-15-M-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.859-13.650-≤15-PASS

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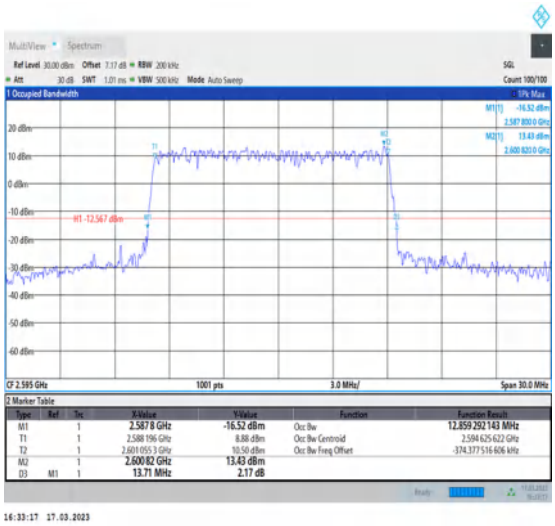

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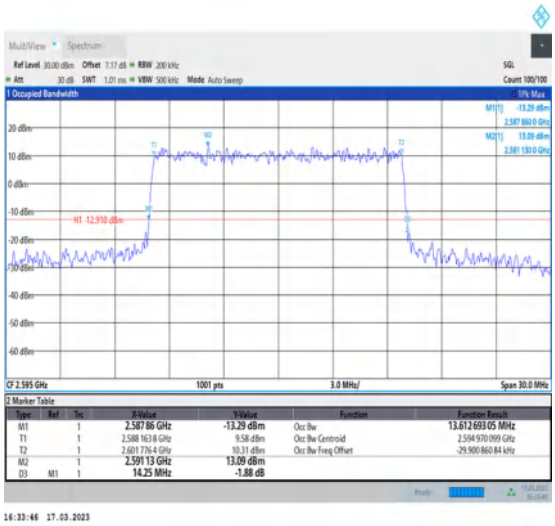
1-N38-30-15-M-6-CP-QPSK-Outer_Full-38@0-Ant1-13.552-14.160-≤15-PASS

1-N38-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant1-13.569-14.430-≤15-PASS



1-N38-30-15-M-8-CP-64QAM-Outer_Full-38@0-Ant1-13.613-14.250-≤15-PASS

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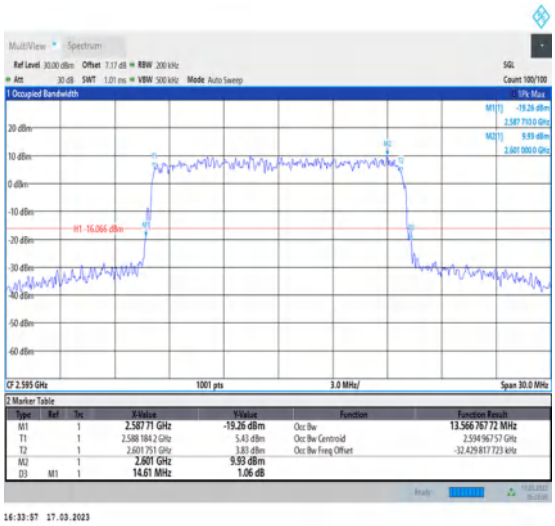


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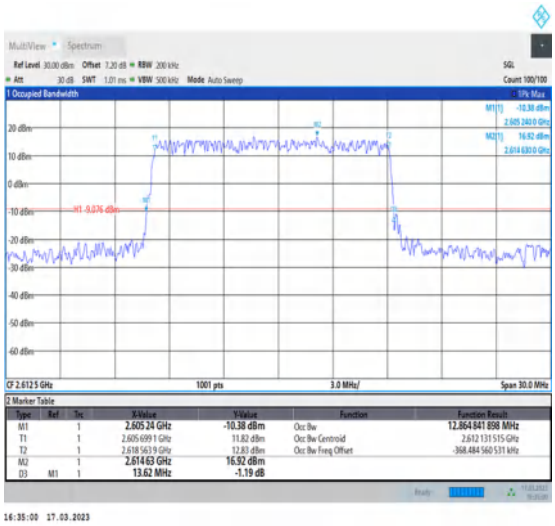
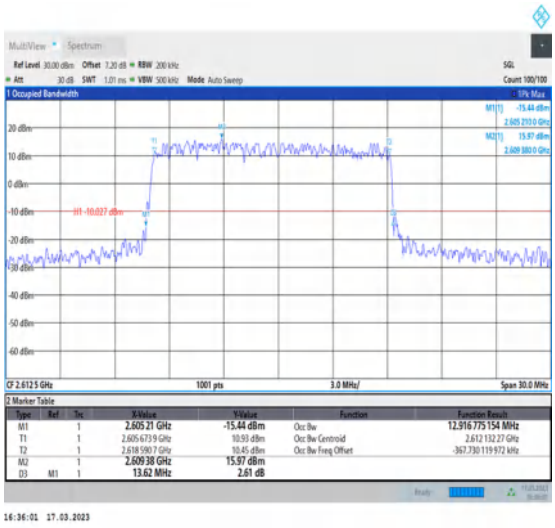



1-N38-30-15-H-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.865-13.620-≤15-PASS

1-N38-30-15-H-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.836-13.590-≤15-PASS




1-N38-30-15-H-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.917-13.620-≤15-PASS

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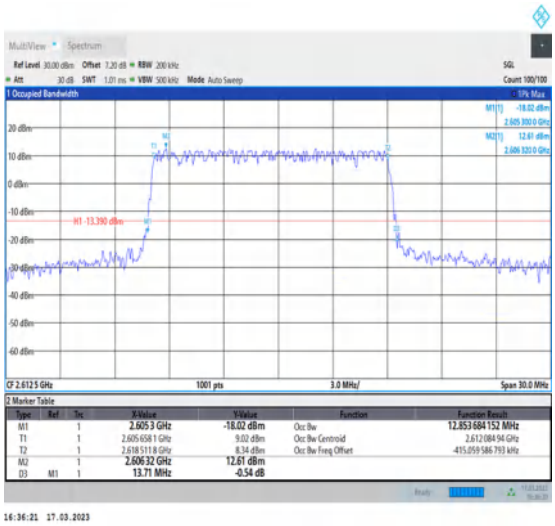
1-N38-30-15-H-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.859-13.770-≤15-PASS




1-N38-30-15-H-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.854-13.710-≤15-PASS

1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-13.561-14.250-≤15-PASS

1-N38-30-15-H-7-CP-16QAM-Outer_Full-38@0-Ant1-13.566-14.430-≤15-PASS

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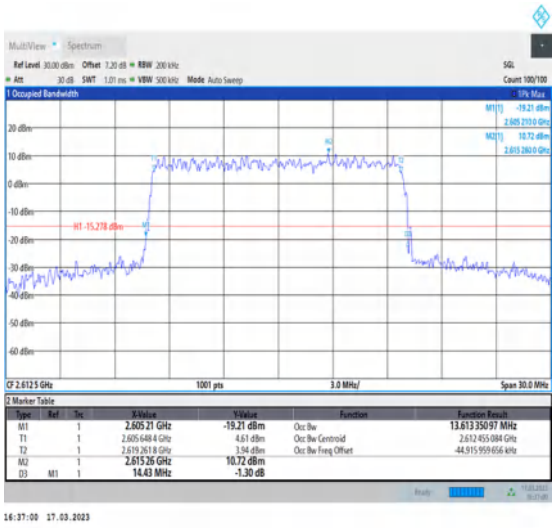
1-N38-30-15-H-8-CP-64QAM-Outer_Full-38@0-Ant1-13.518-14.220-≤15-PASS

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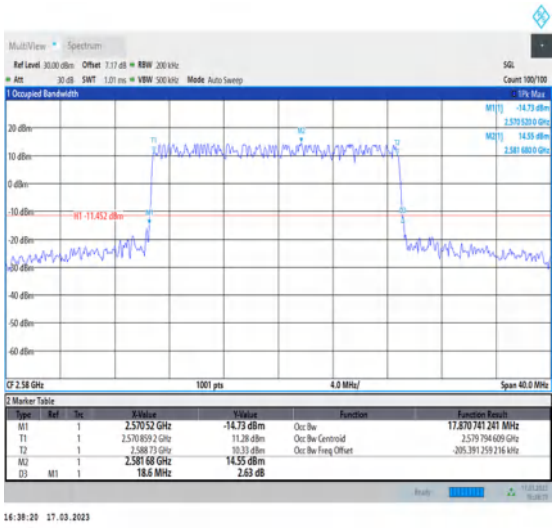
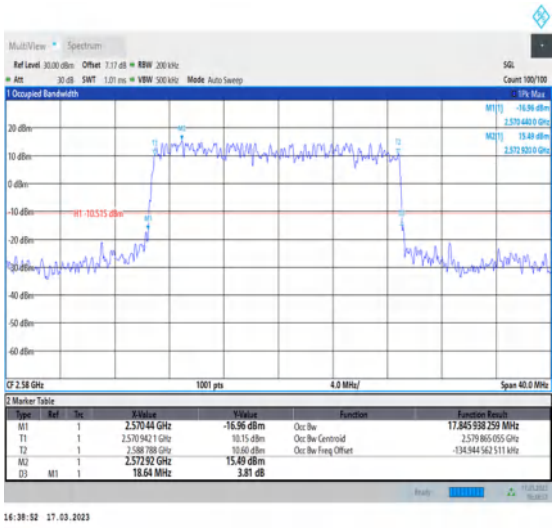



1-N38-30-20-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.871-18.600-≤20-PASS




1-N38-30-20-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.846-18.640-≤20-PASS

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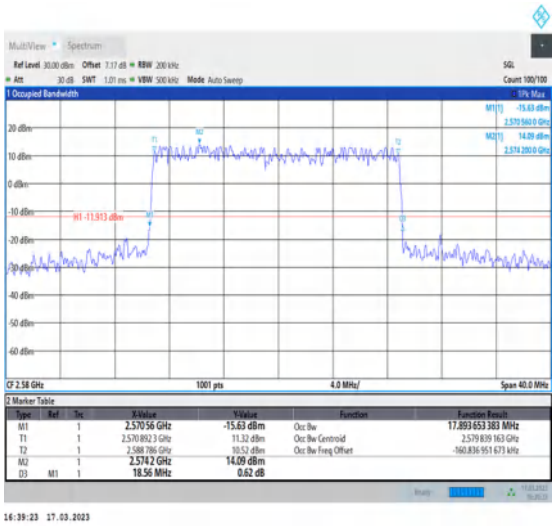
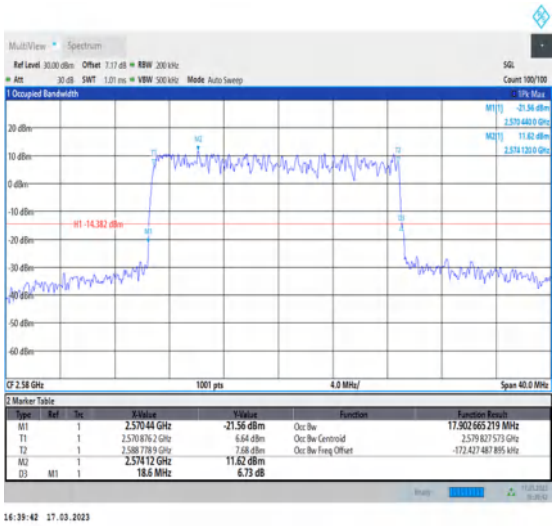



1-N38-30-20-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.894-18.560-≤20-PASS

1-N38-30-20-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-17.784-18.880-≤20-PASS

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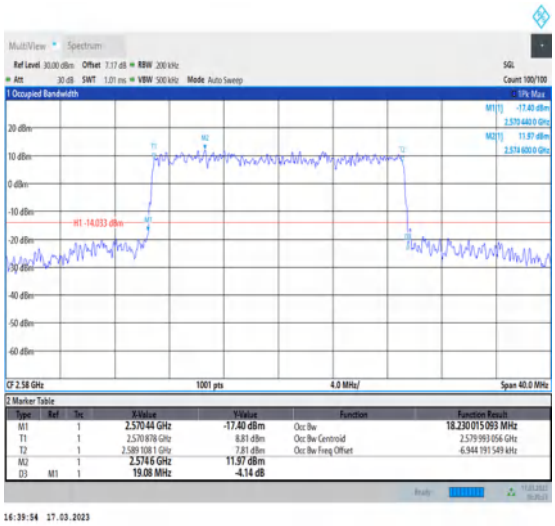


1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-18.23-19.080-≤20-PASS

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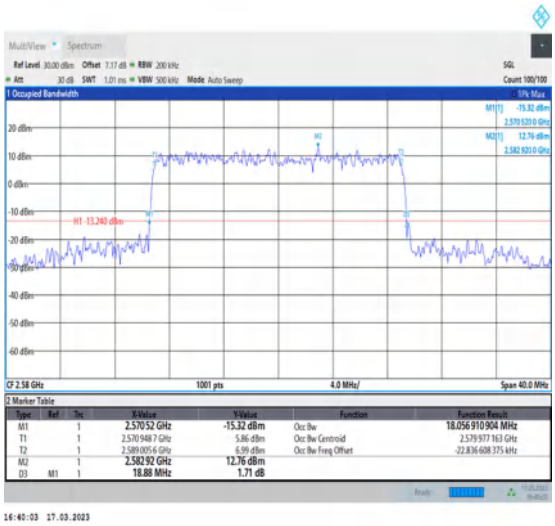
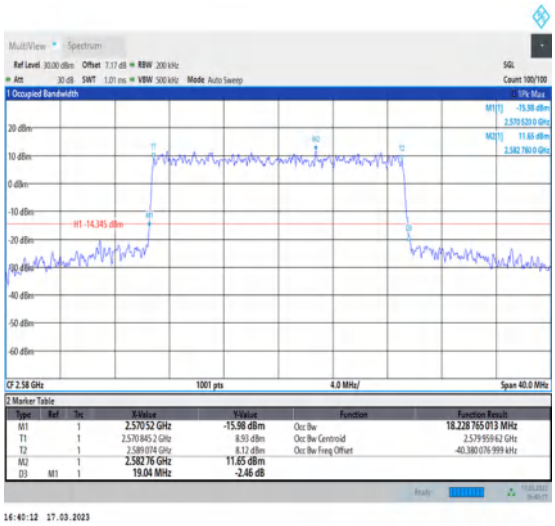


1-N38-30-20-L-7-CP-16QAM-Outer_Full-51@0-Ant1-18.057-18.880-≤20-PASS



1-N38-30-20-L-8-CP-64QAM-Outer_Full-51@0-Ant1-18.229-19.040-≤20-PASS

1-N38-30-20-L-9-CP-256QAM-Outer_Full-51@0-Ant1-18.178-19.080-≤20-PASS

1-N38-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.772-18.640-≤20-PASS

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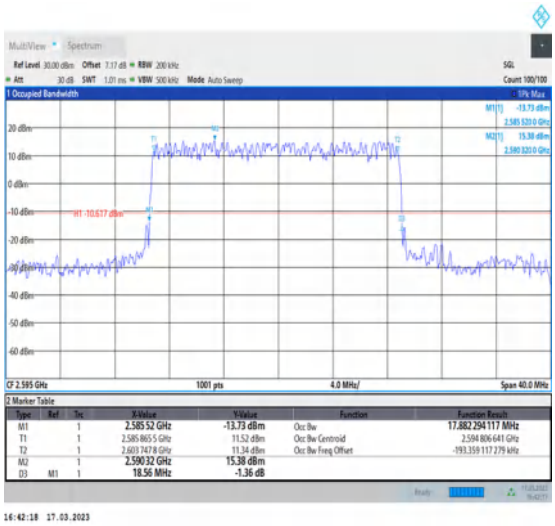


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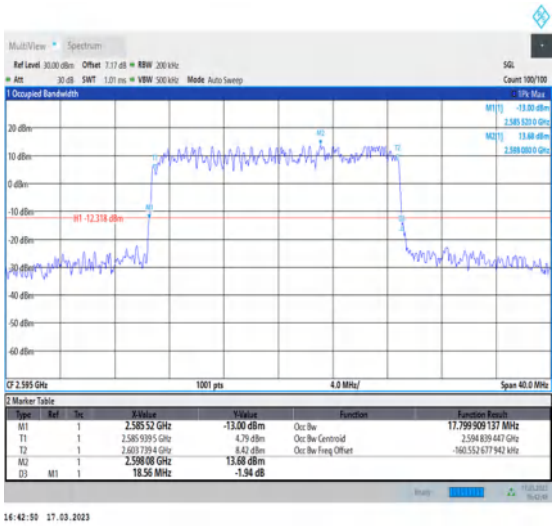


1-N38-30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.8-18.560-≤20-PASS

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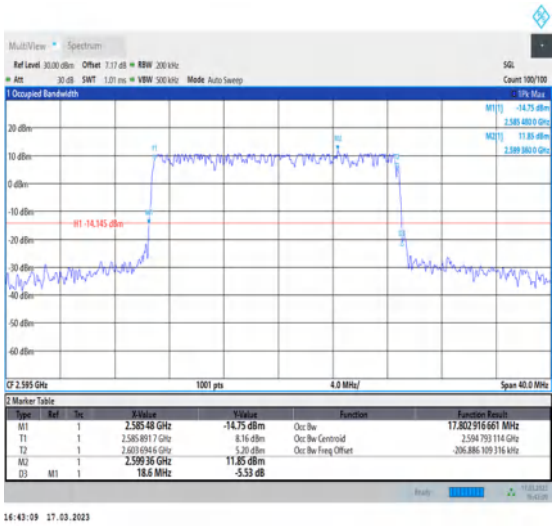


1-N38-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.803-18.600-≤20-PASS

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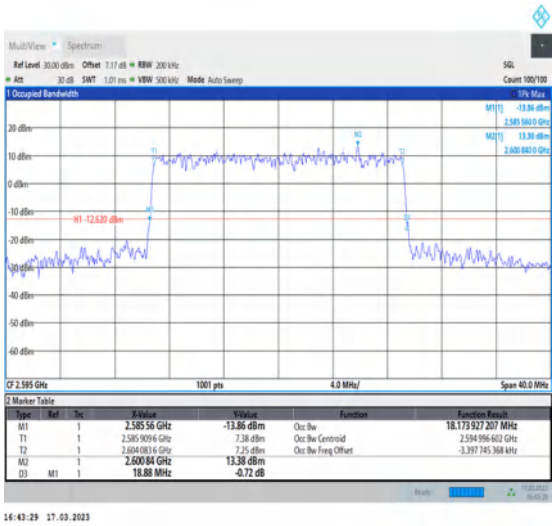
1-N38-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant1-18.229-19.160-≤20-PASS

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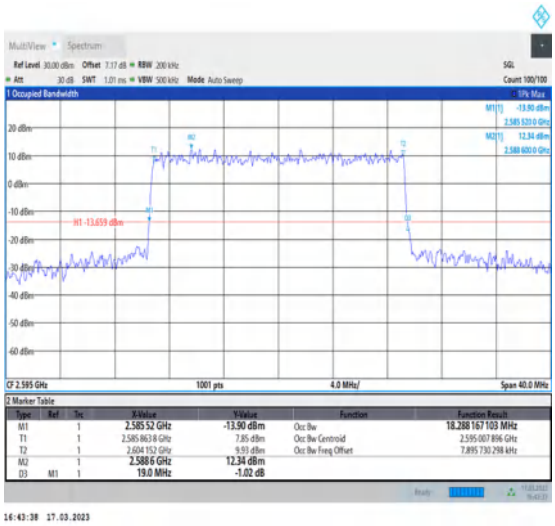


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1-N38-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-18.214-18.960-≤20-PASS

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1-N38-30-20-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.758-18.640-≤20-PASS

1-N38-30-20-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.829-18.560-≤20-PASS

1-N38-30-20-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.859-18.680-≤20-PASS

1-N38-30-20-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-17.792-18.720-≤20-PASS

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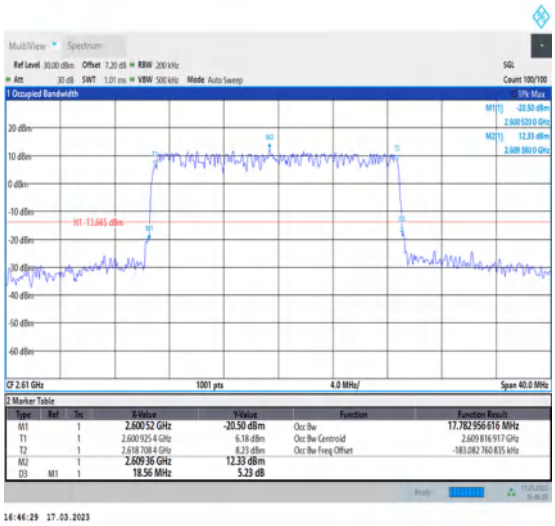


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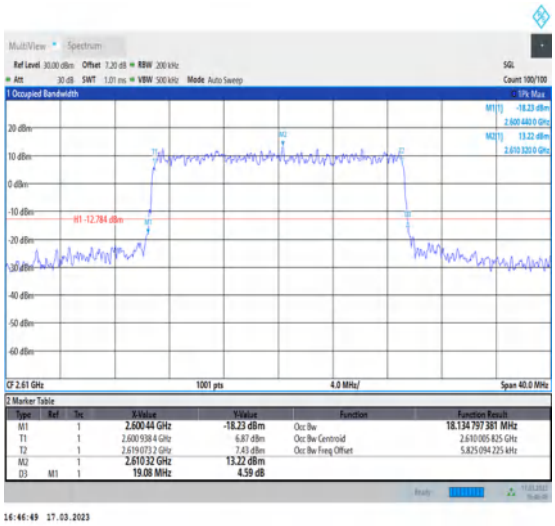


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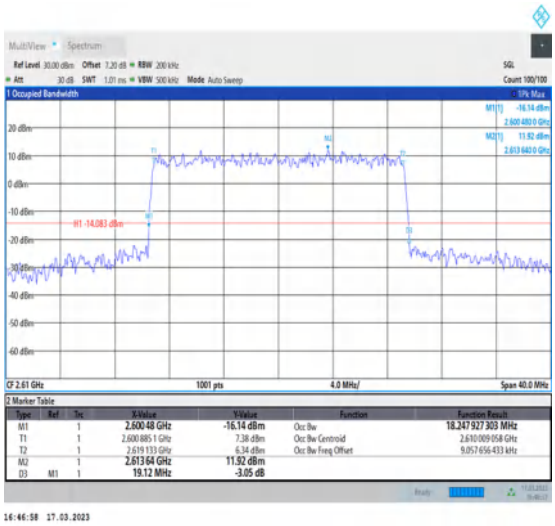


1-N38-30-20-H-8-CP-64QAM-Outer_Full-51@0-Ant1-18.248-19.120-≤20-PASS

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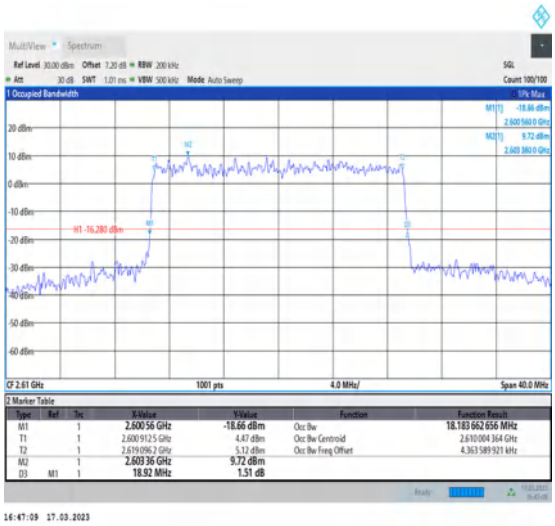
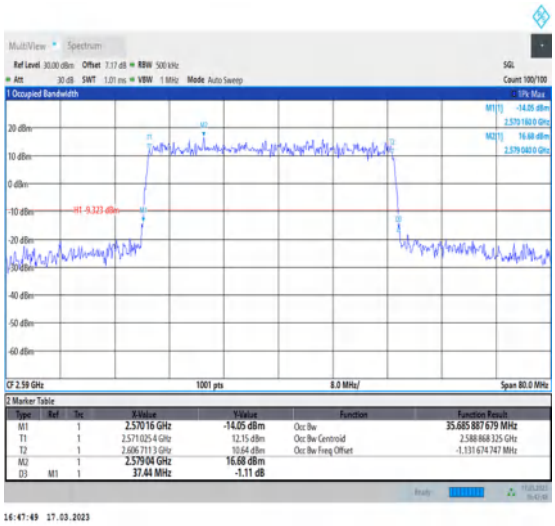
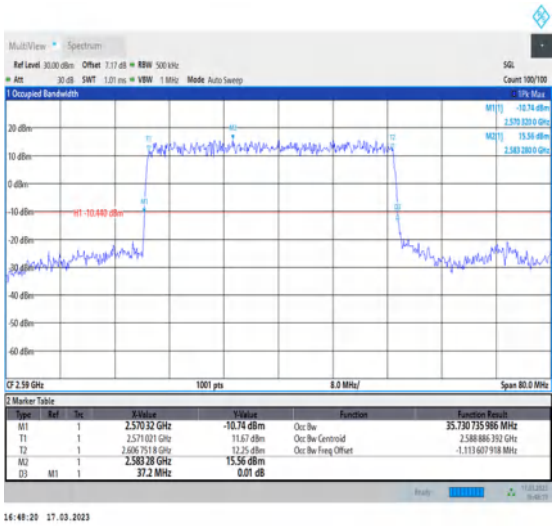



1-N38-30-20-H-9-CP-256QAM-Outer_Full-51@0-Ant1-18.184-18.920-≤20-PASS




1-N38-30-40-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.686-37.440-≤40-PASS




1-N38-30-40-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.731-37.200-≤40-PASS

1-N38-30-40-L-3-DFT-16QAM-Outer_Full-100@0-Ant1-35.685-37.280-≤40-PASS

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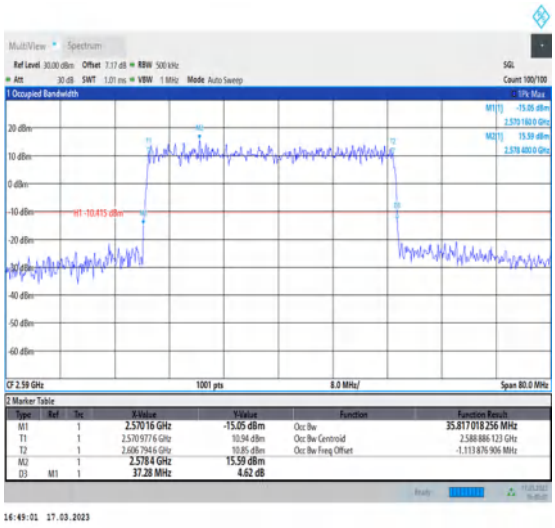


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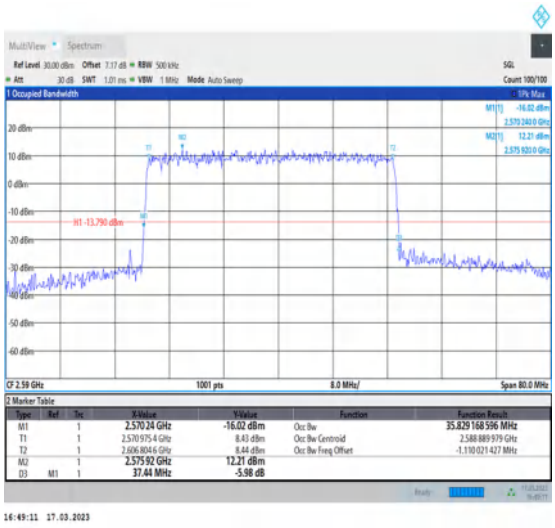


1-N38-30-40-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.829-37.440-≤40-PASS

1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-37.768-39.440-≤40-PASS

1-N38-30-40-L-7-CP-16QAM-Outer_Full-106@0-Ant1-37.711-39.520-≤40-PASS

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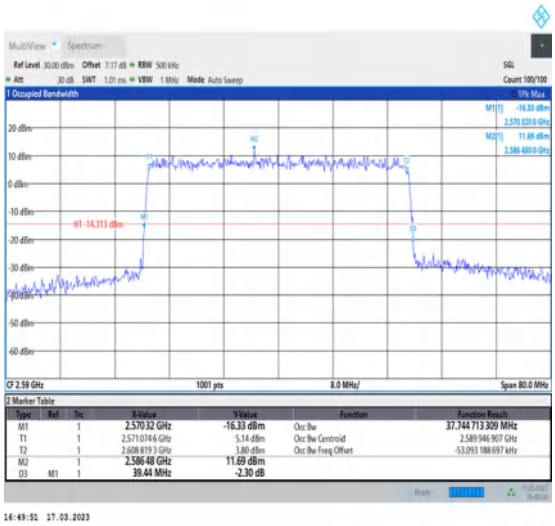
1-N38-30-40-L-8-CP-64QAM-Outer_Full-106@0-Ant1-37.726-39.520-≤40-PASS

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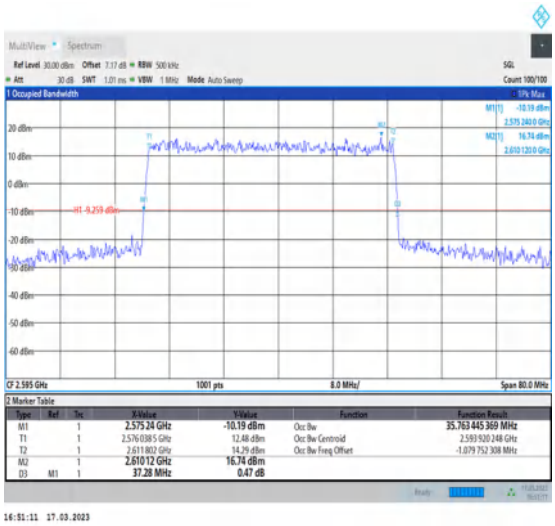


1-N38-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.763-37.280-≤40-PASS

1-N38-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.854-37.360-≤40-PASS

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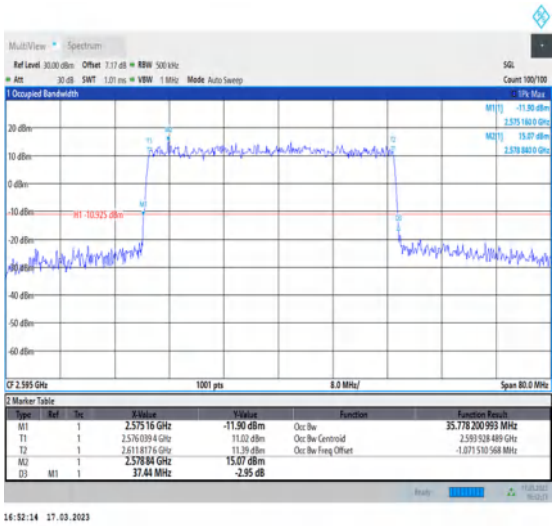


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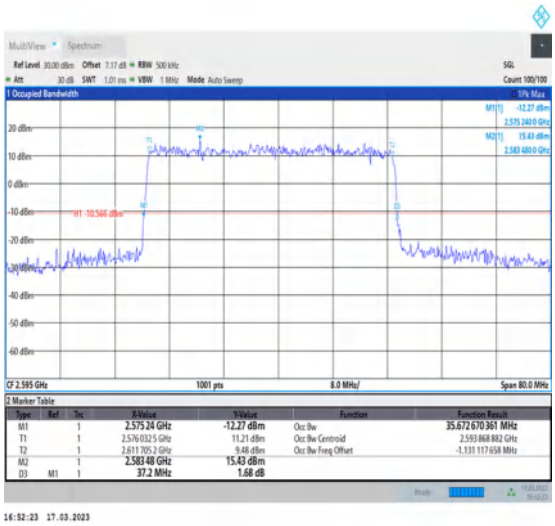


1-N38-30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.673-37.200-≤40-PASS

1-N38-30-40-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.72-37.200-≤40-PASS

1-N38-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant1-37.879-39.360-≤40-PASS

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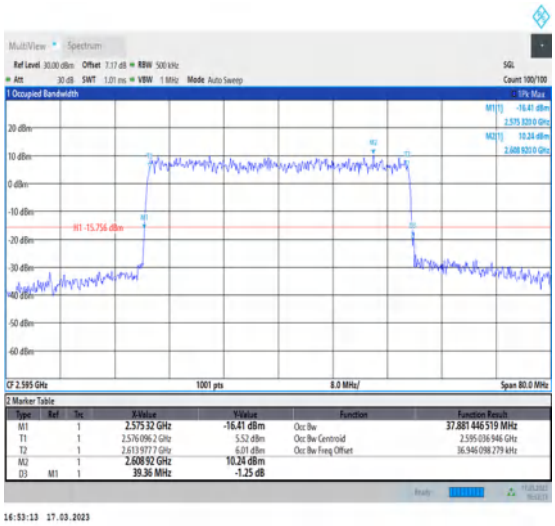
1-N38-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant1-37.832-39.440-≤40-PASS

1-N38-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant1-37.796-39.360-≤40-PASS

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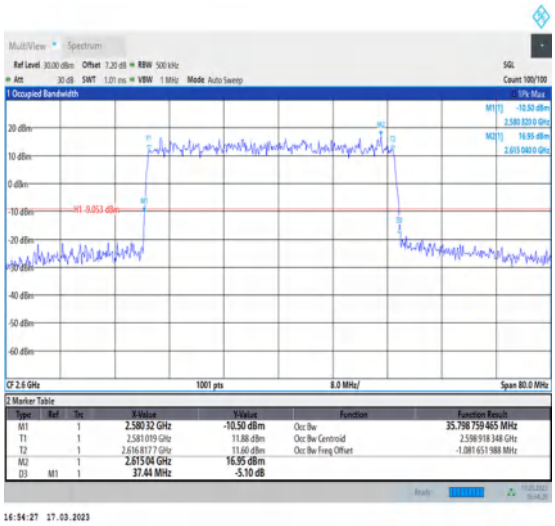


1-N38-30-40-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.799-37.440-≤40-PASS

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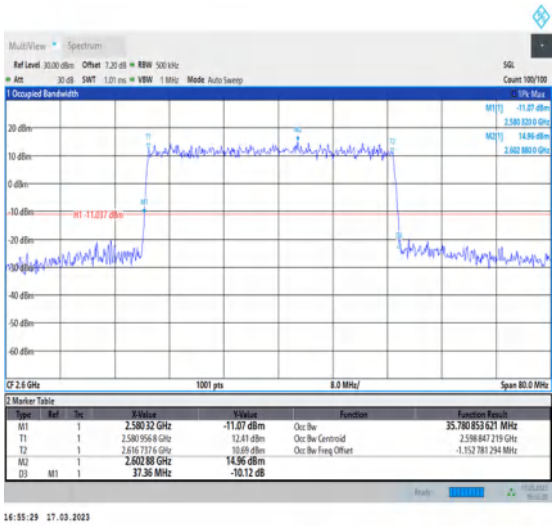
1-N38-30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.786-37.520-≤40-PASS




1-N38-30-40-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-35.781-37.360-≤40-PASS

1-N38-30-40-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.847-37.520-≤40-PASS

1-N38-30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.836-37.680-≤40-PASS

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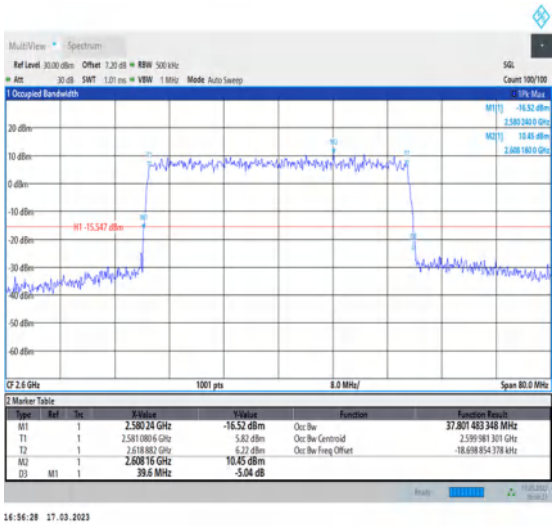
1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-37.792-39.600-≤40-PASS

1-N38-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant1-37.792-39.440-≤40-PASS

1-N38-30-40-H-8-CP-64QAM-Outer_Full-106@0-Ant1-37.943-39.680-≤40-PASS




1-N38-30-40-H-9-CP-256QAM-Outer_Full-106@0-Ant1-37.801-39.600-≤40-PASS

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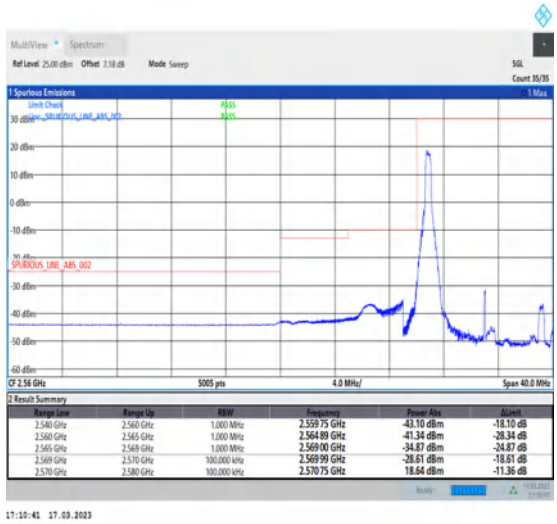
## Band Edge for SA

### Test Graphs

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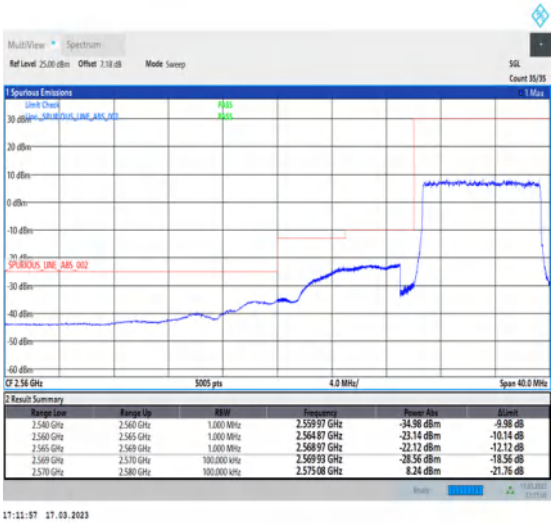


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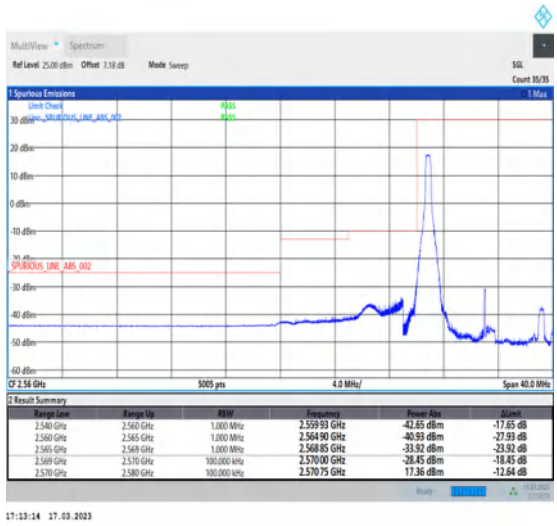


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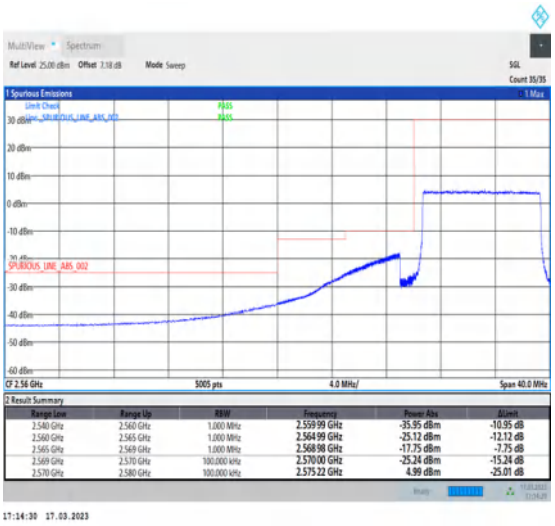


1-N38-30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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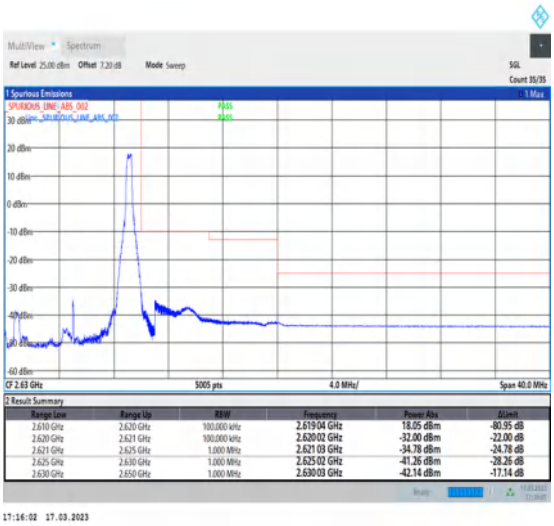


1-N38-30-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph

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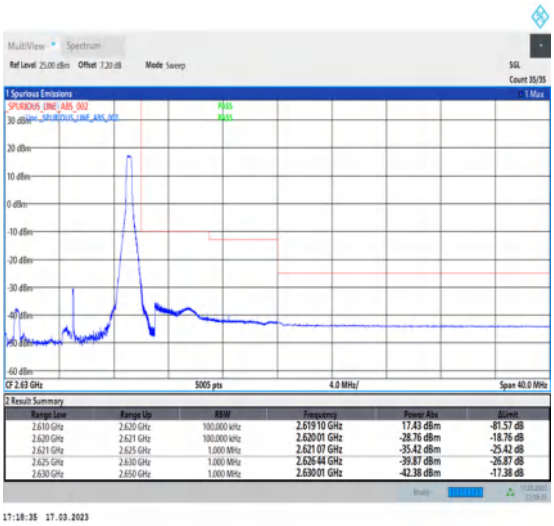
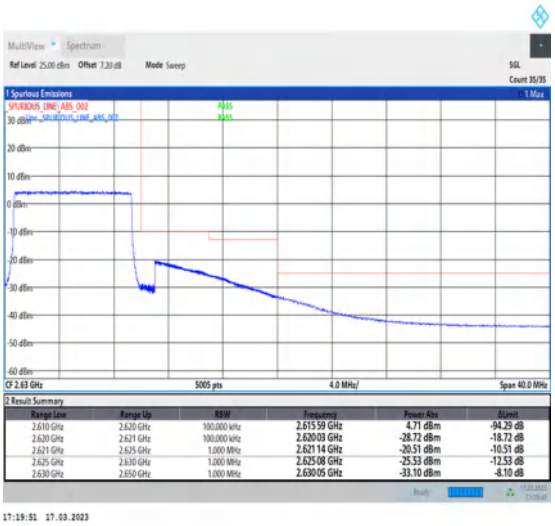



1-N38-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph




1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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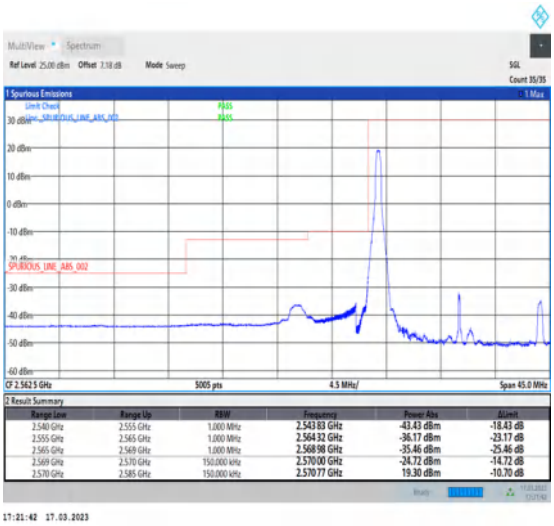
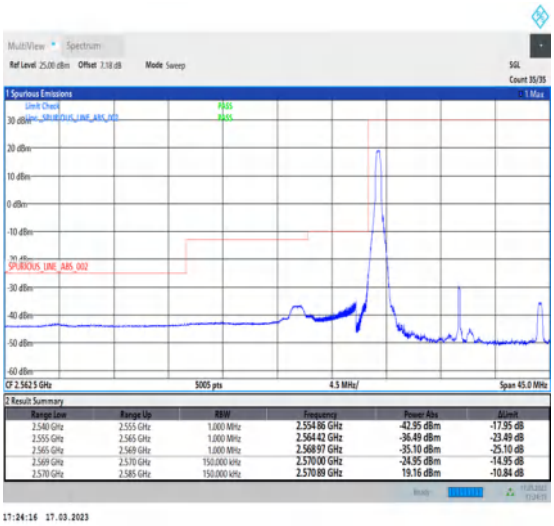



1-N38-30-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph

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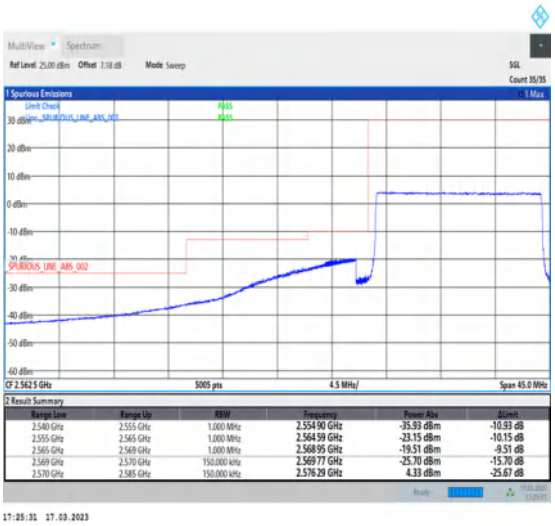


1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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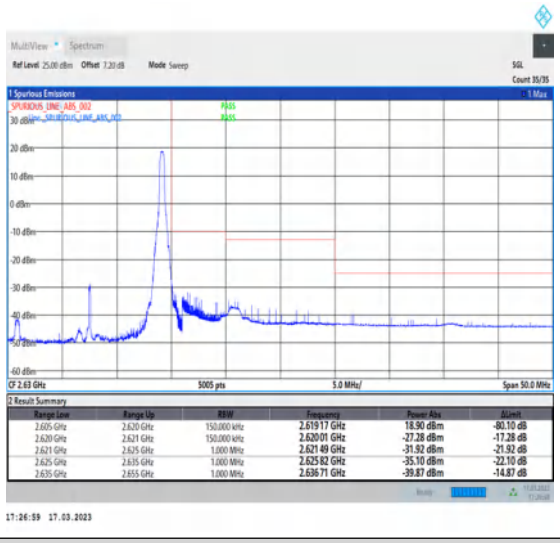
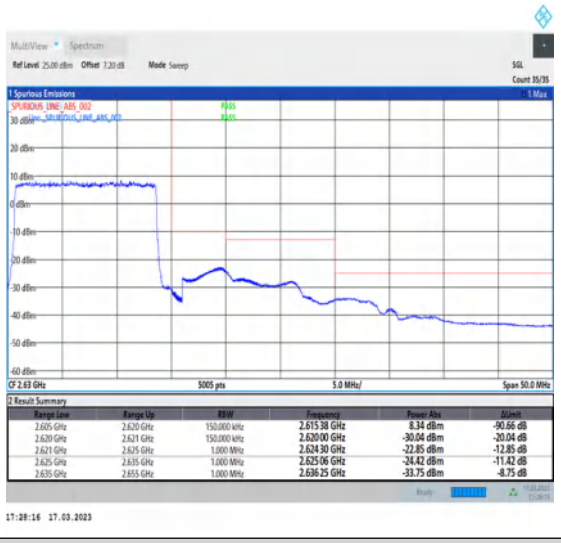



1-N38-30-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph

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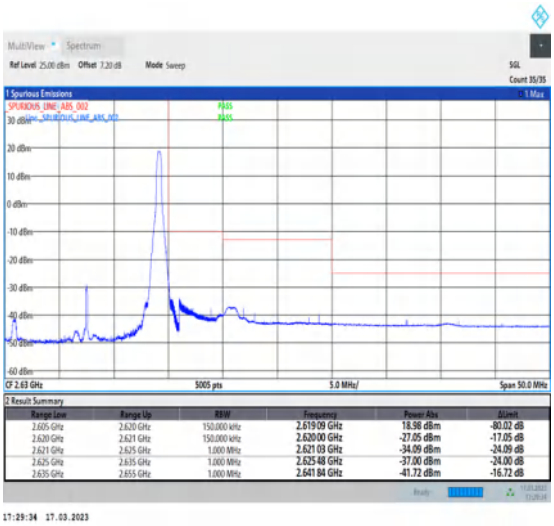


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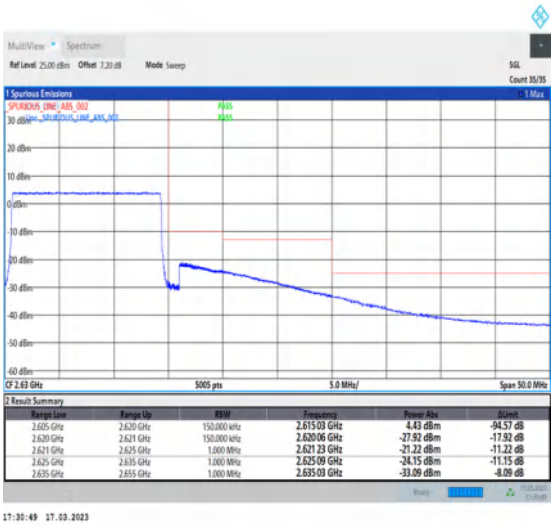


1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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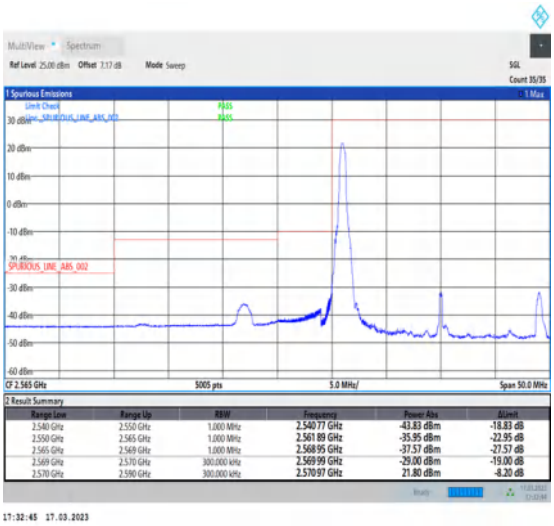
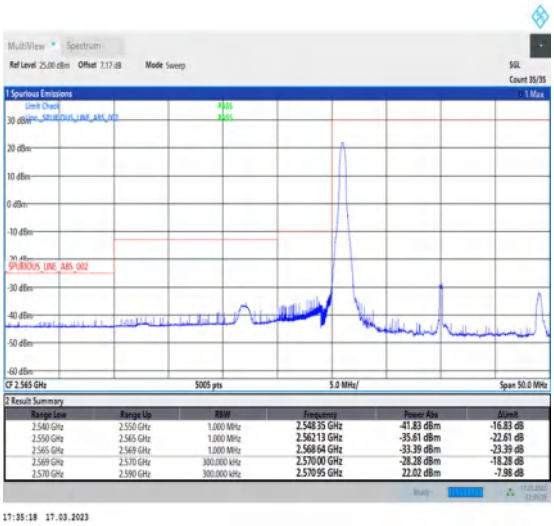



1-N38-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-30-20-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph

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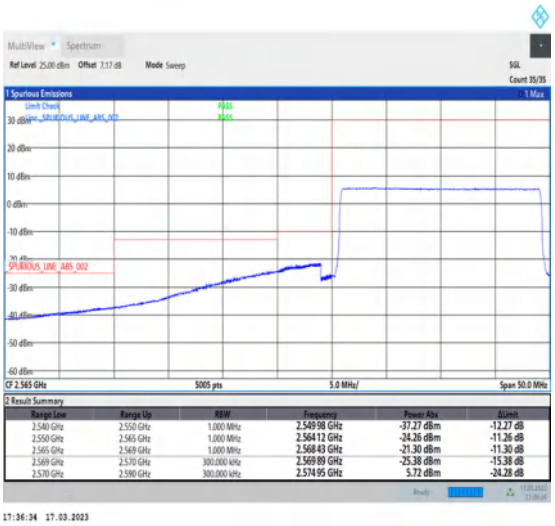


1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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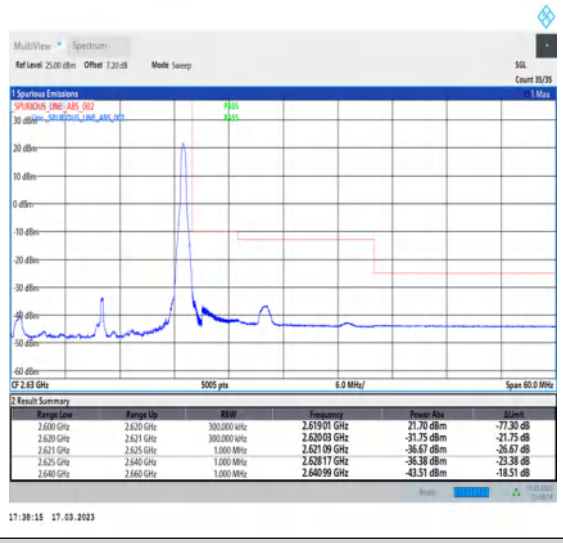


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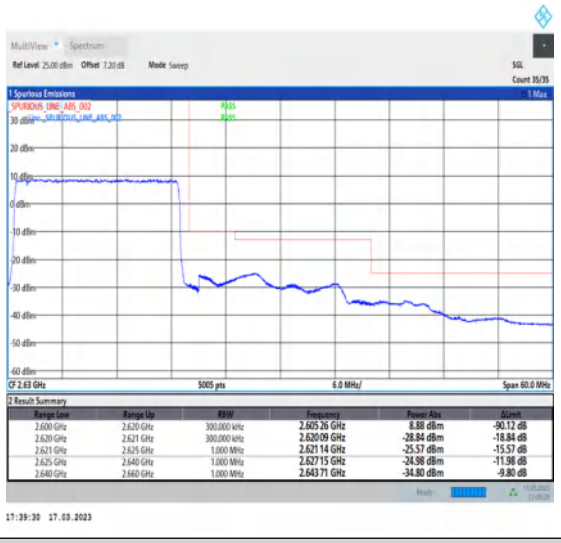


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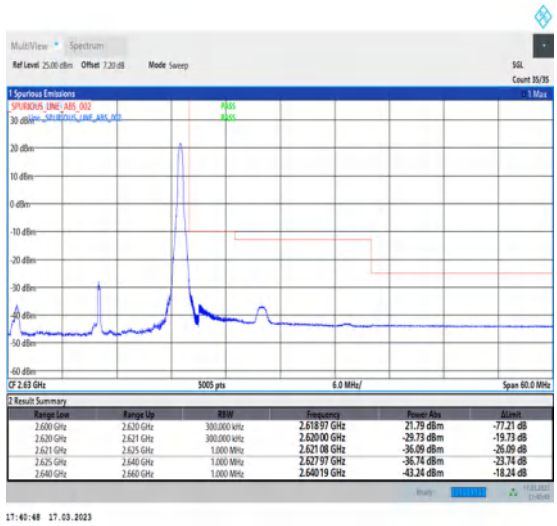


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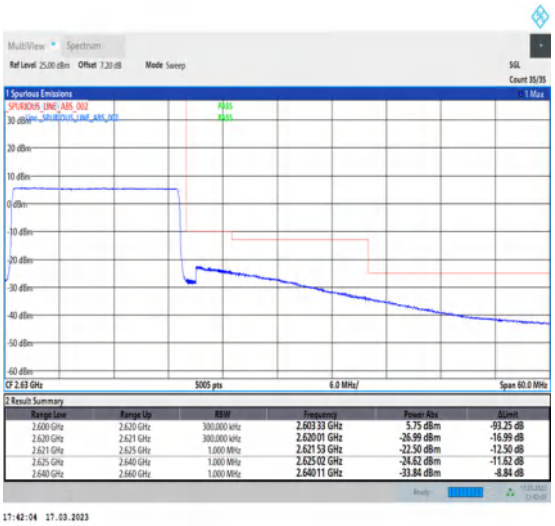


1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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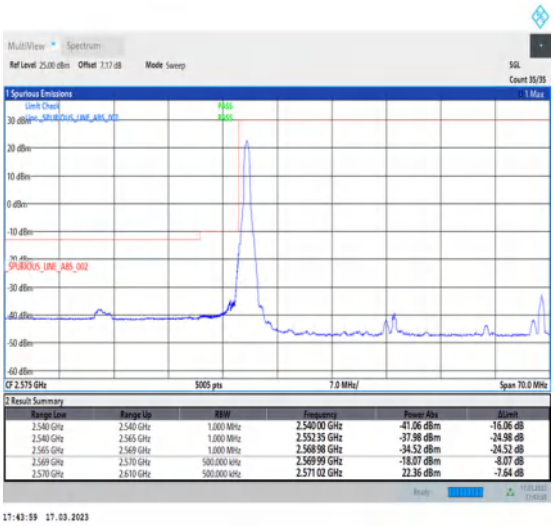


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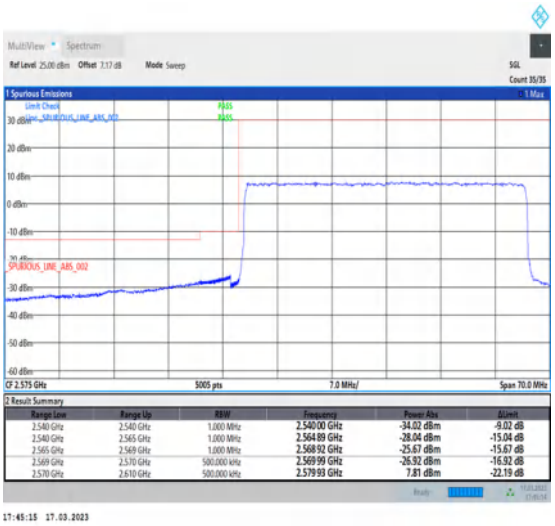


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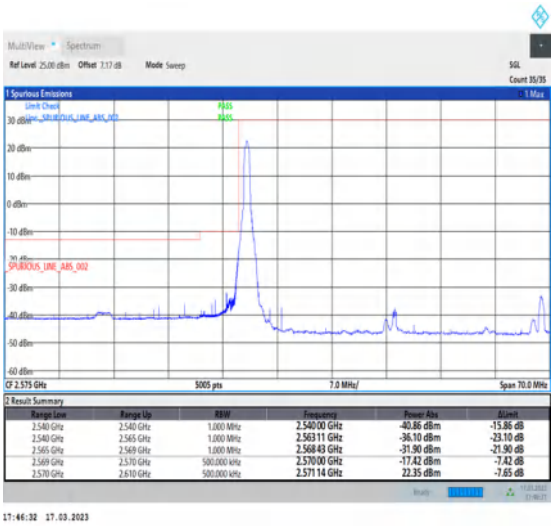


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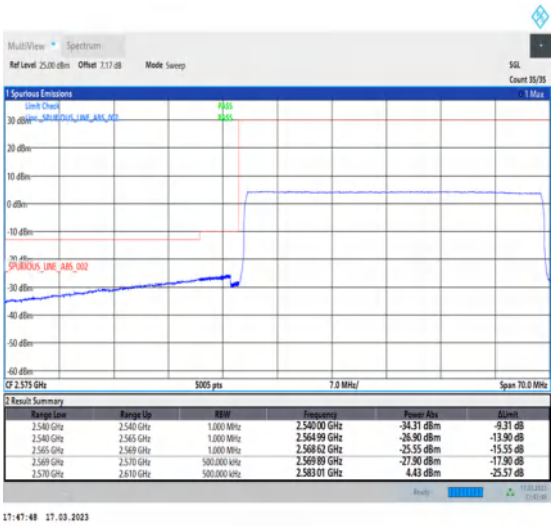


1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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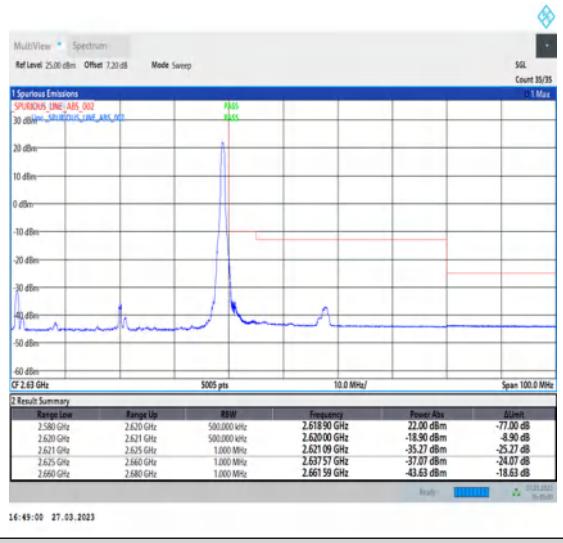


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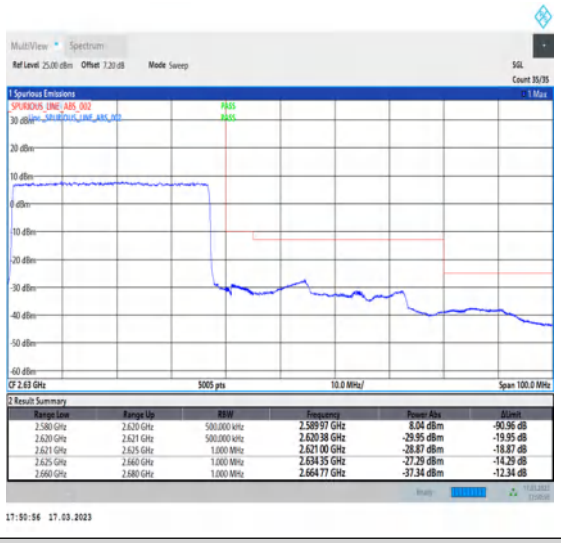


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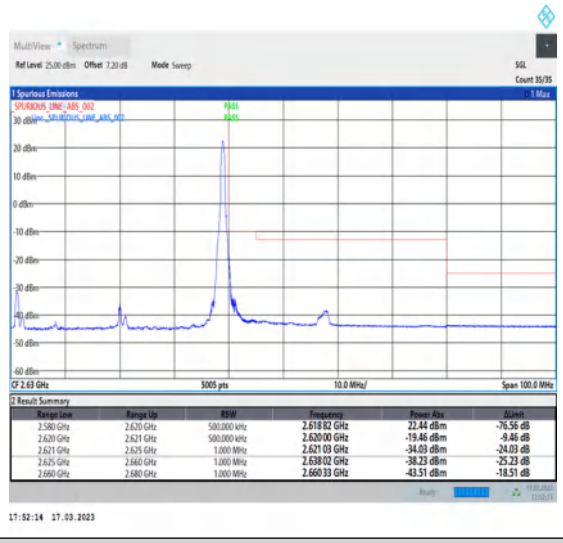


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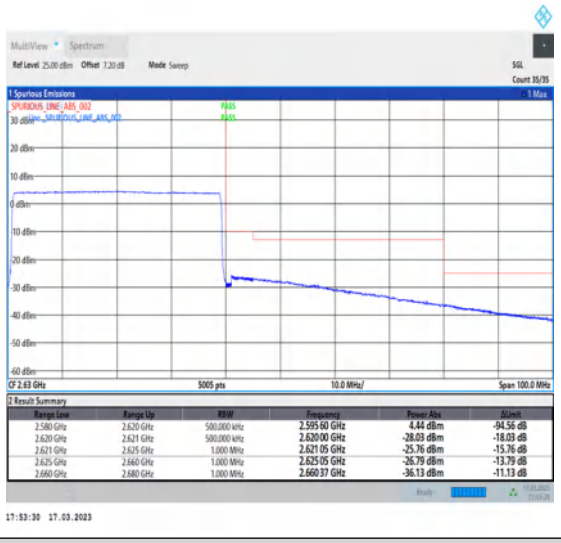


1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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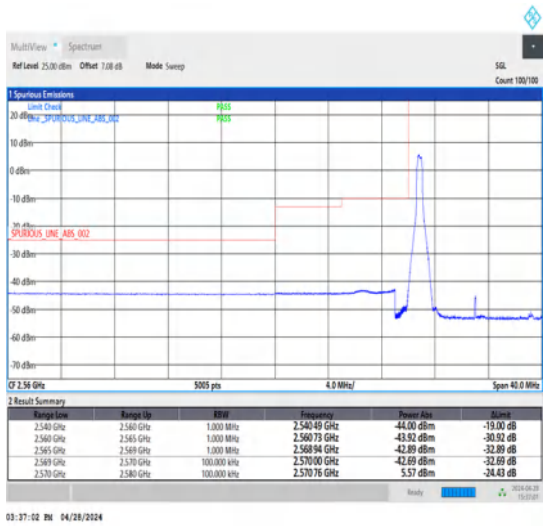
## Band Edge for MIMO

### Test Graphs



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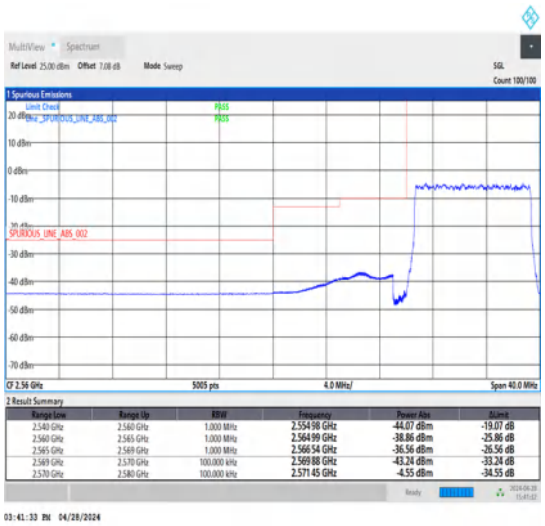

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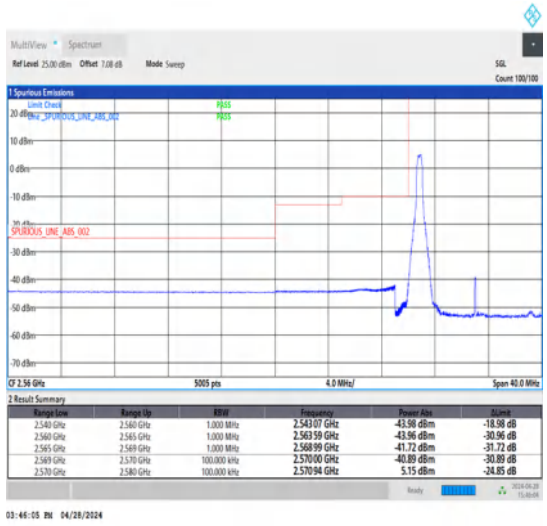

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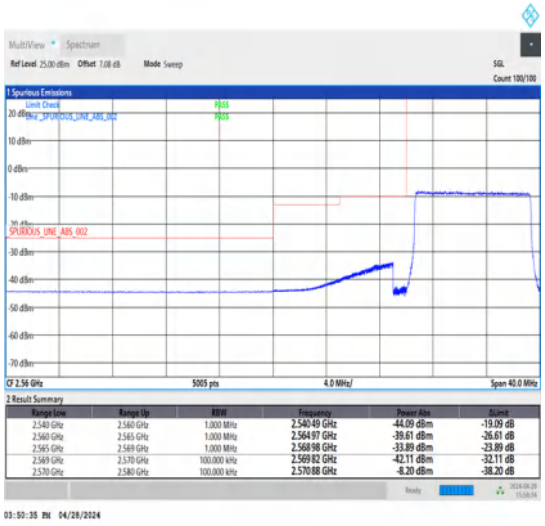

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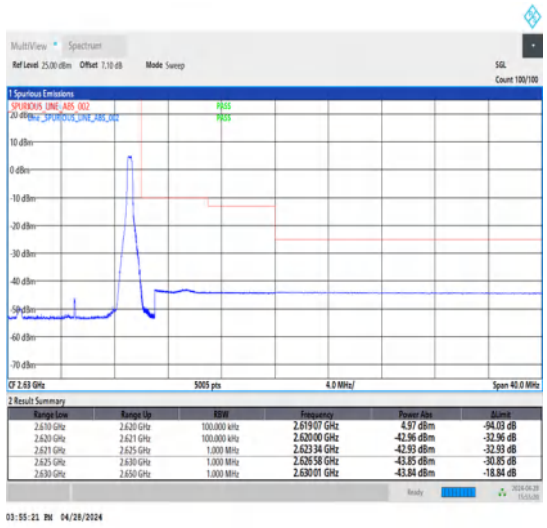


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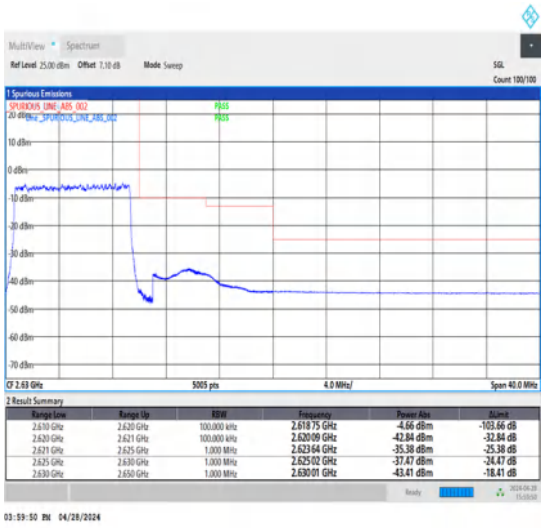


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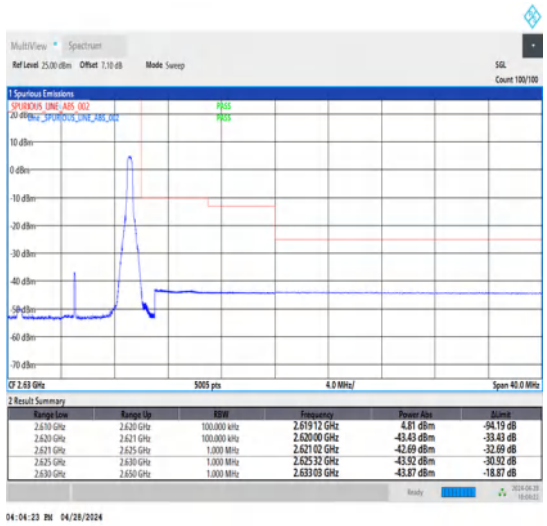


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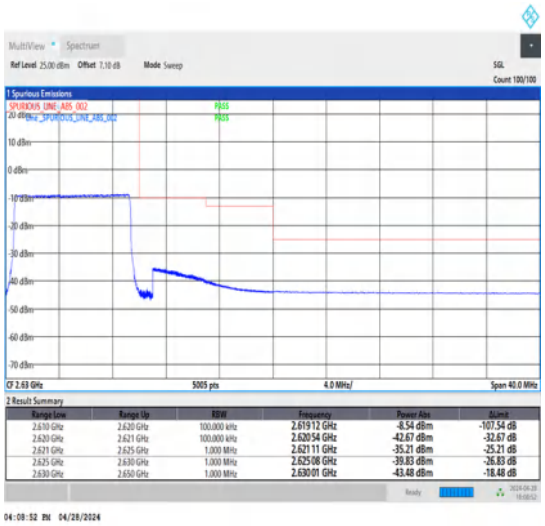


1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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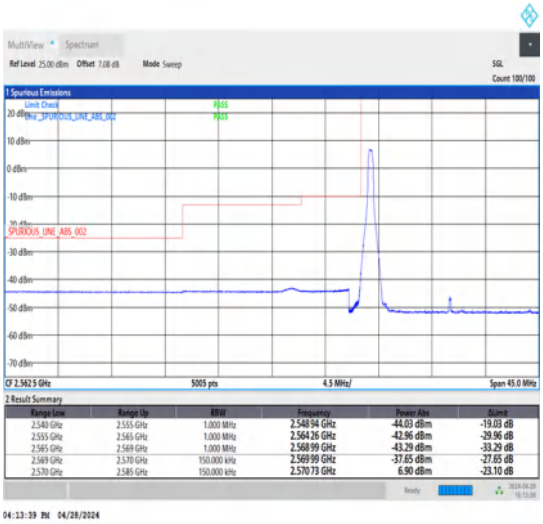


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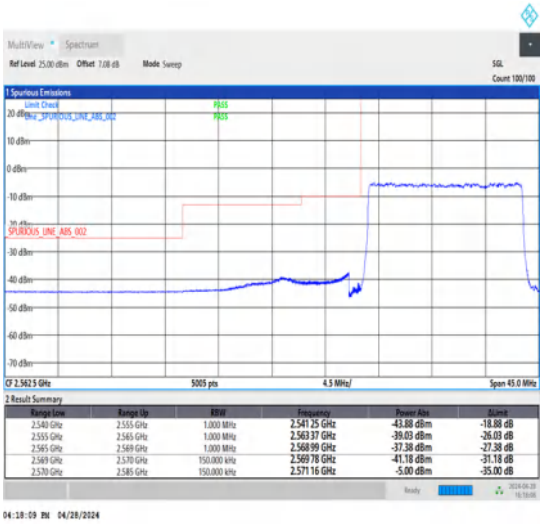


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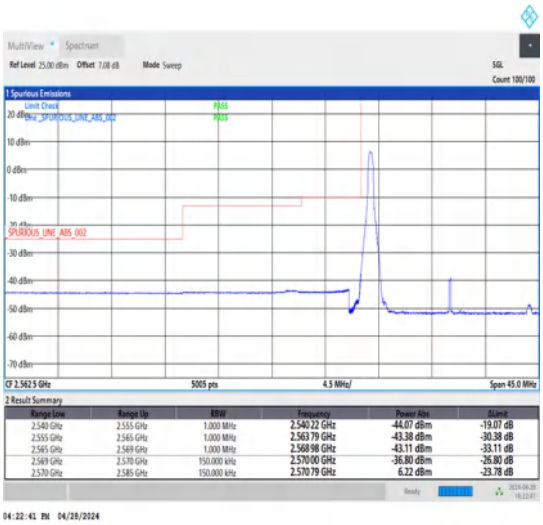


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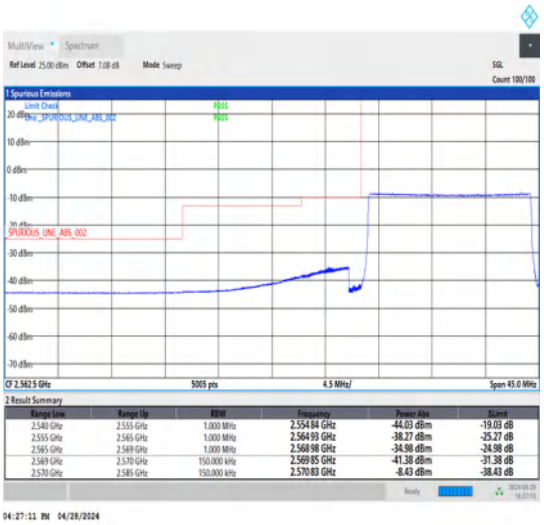


1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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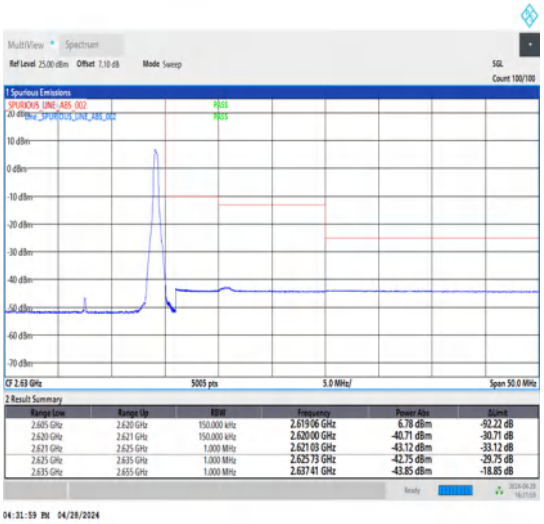


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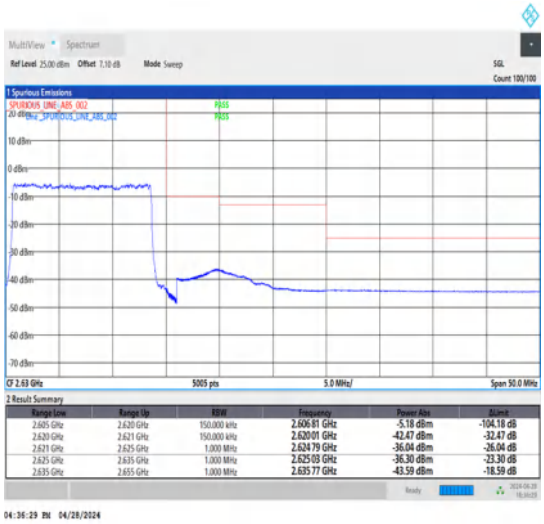


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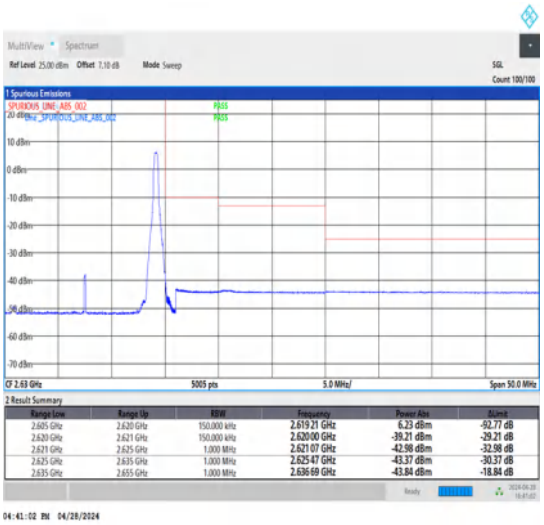


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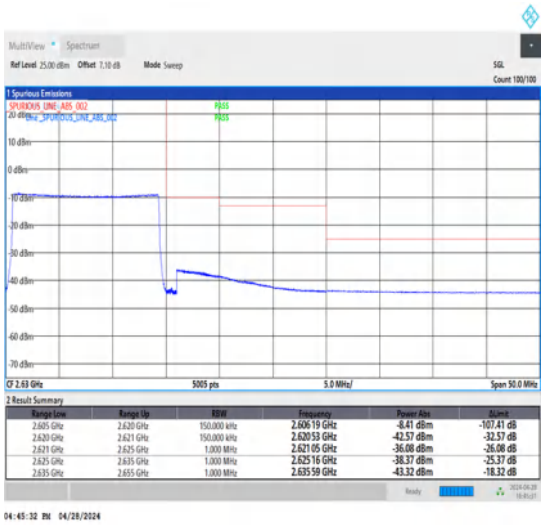


1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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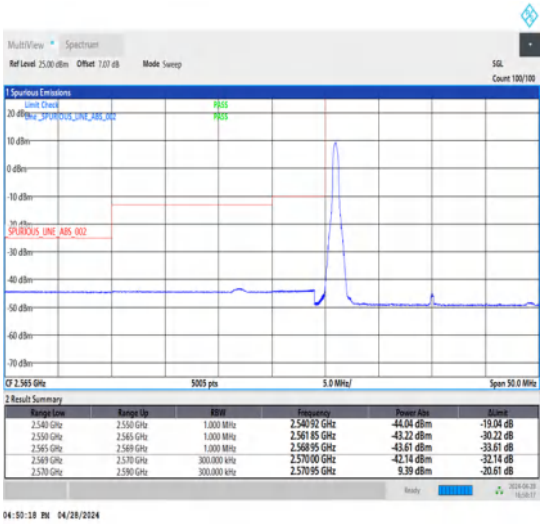


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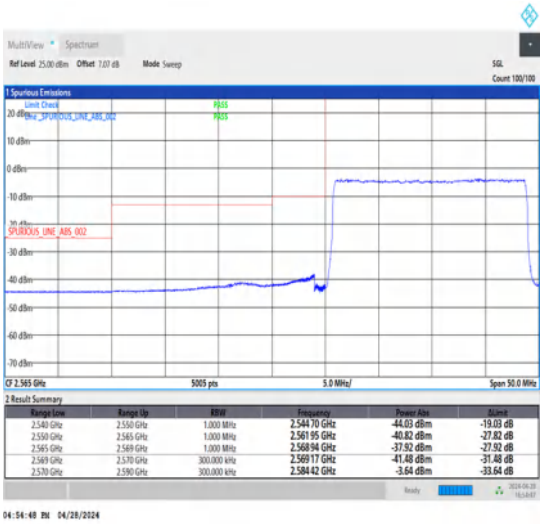


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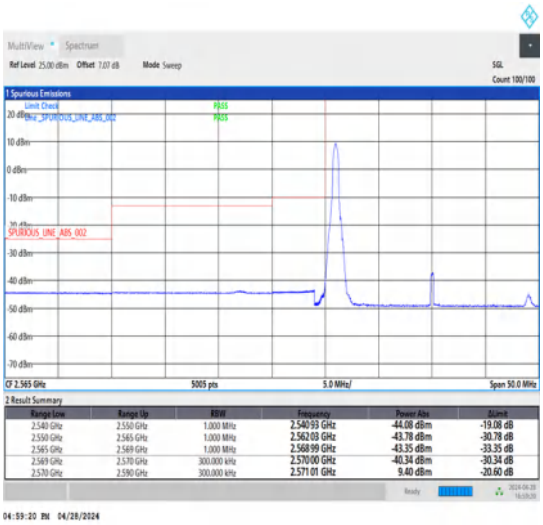


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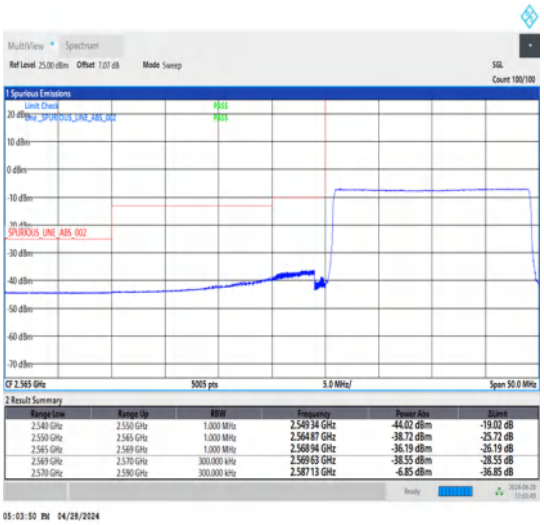


1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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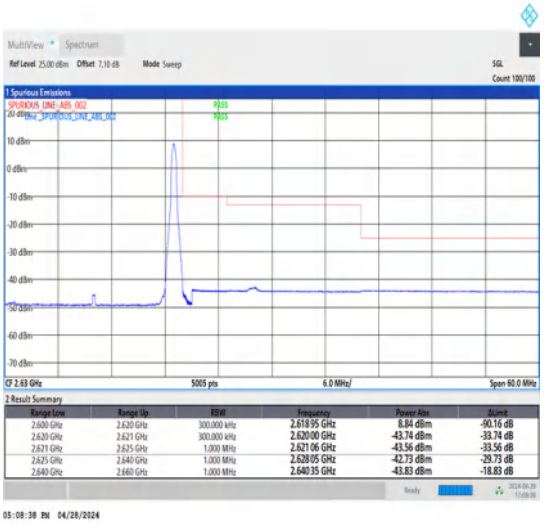


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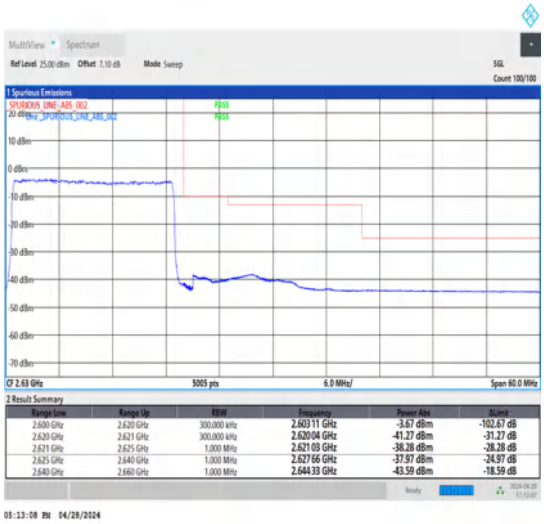


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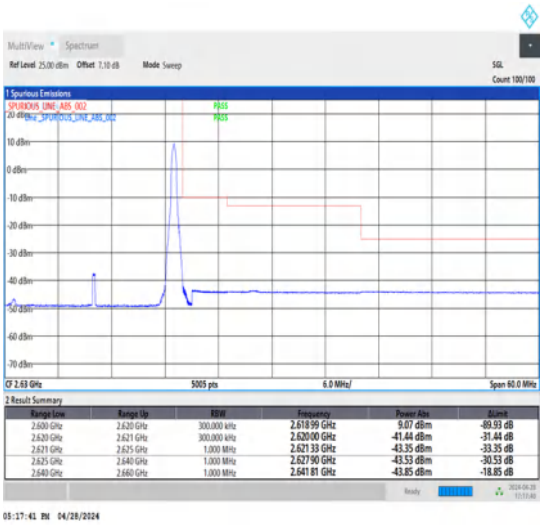


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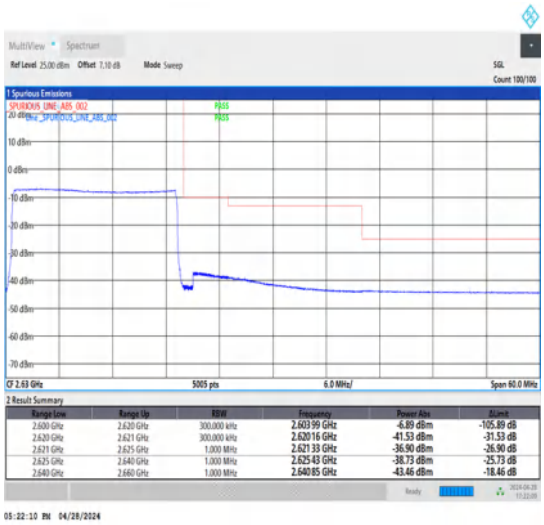


1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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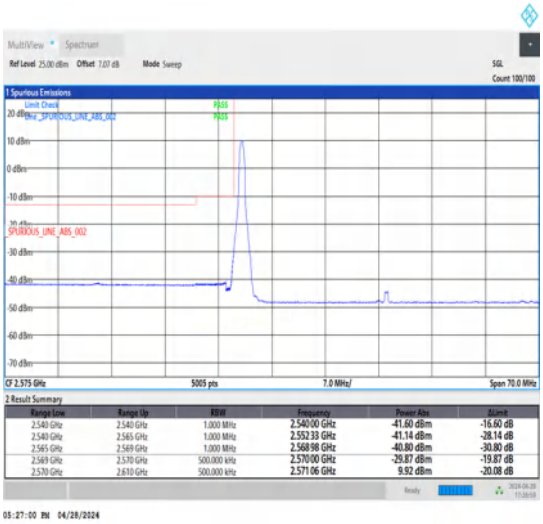


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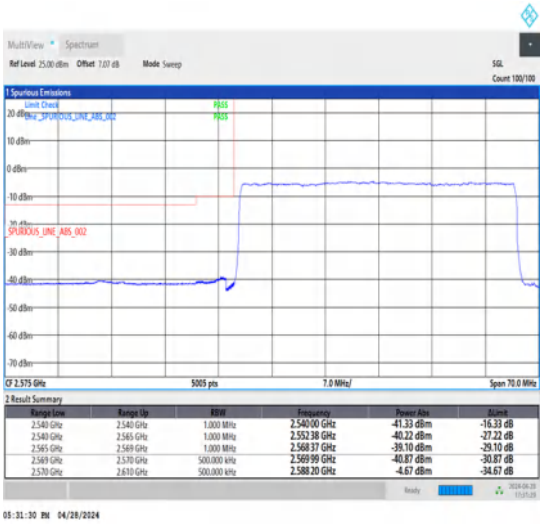


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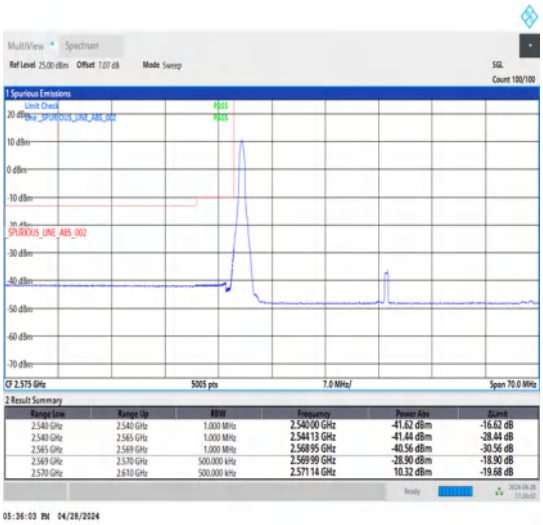


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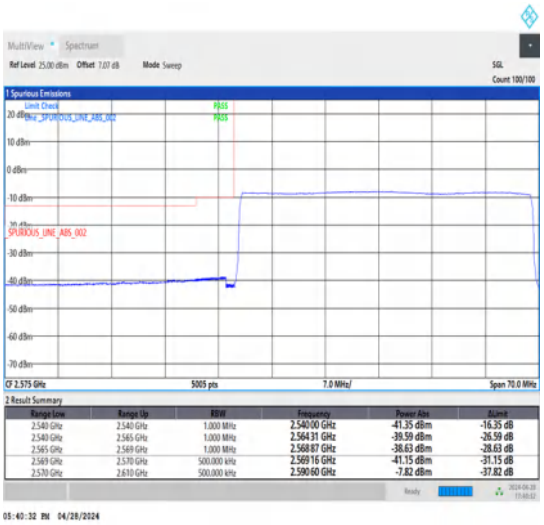


1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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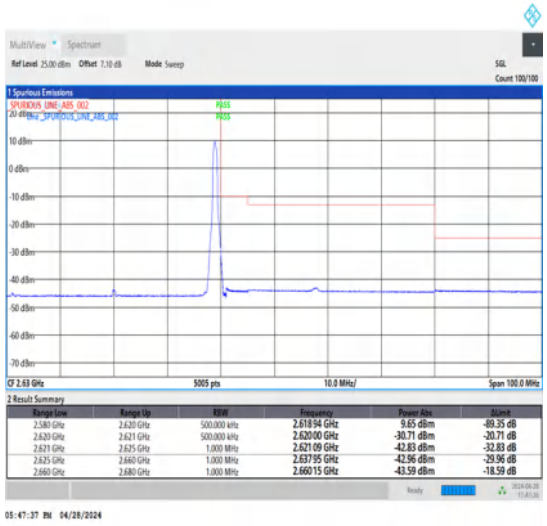


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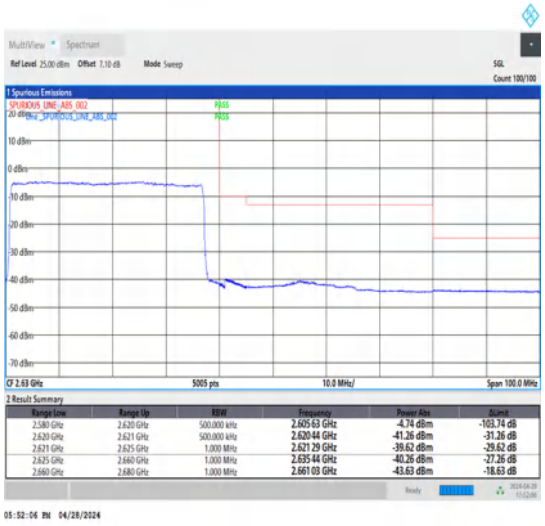


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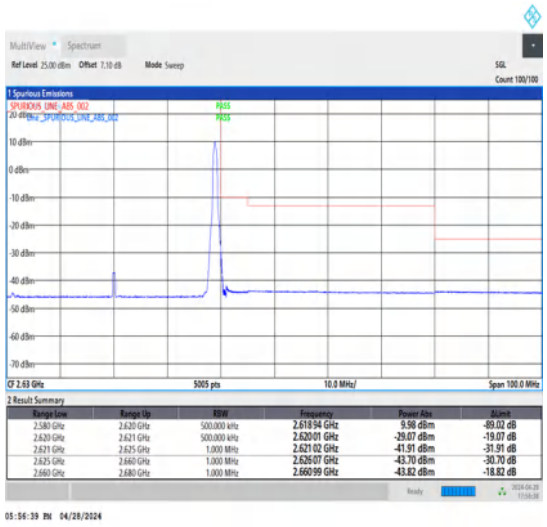


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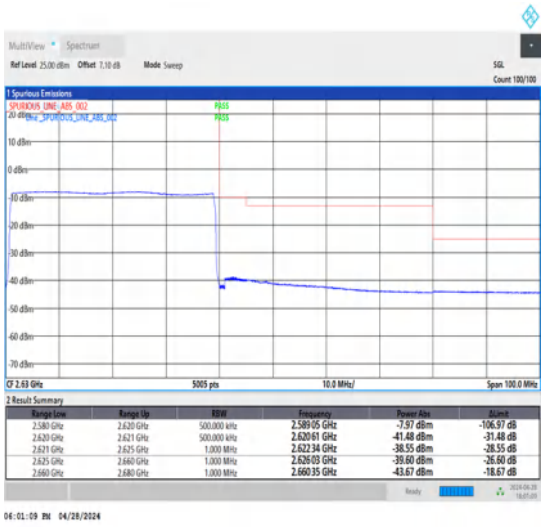


1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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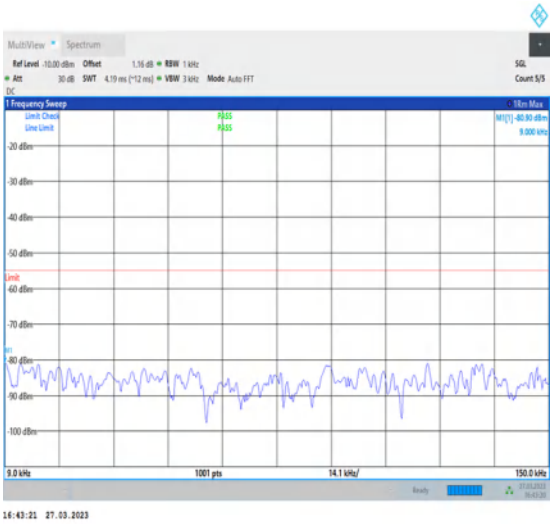
# Conducted Spurious Emission for SA

## Test Graphs



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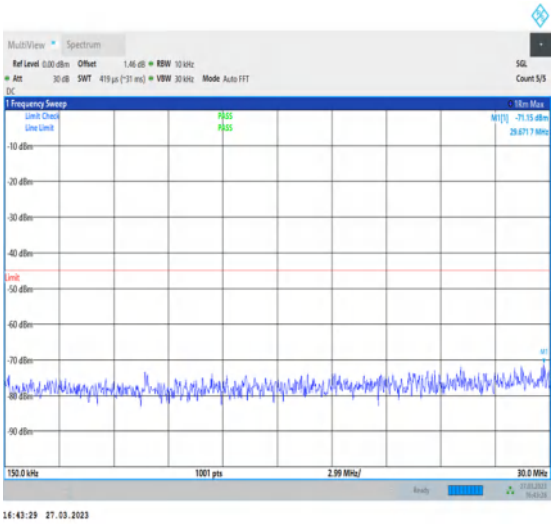

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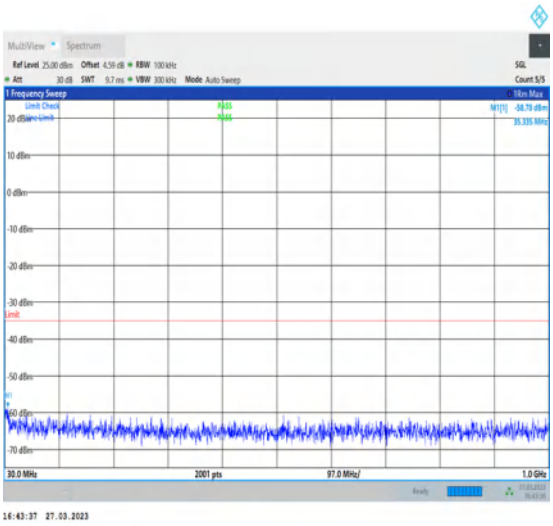

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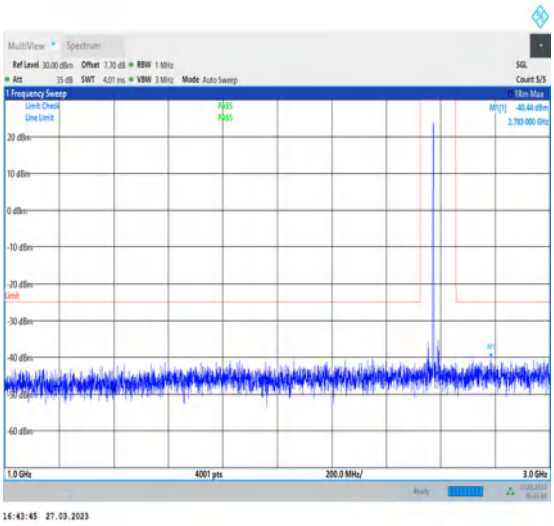

1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2840.00--40.44--25-PASS

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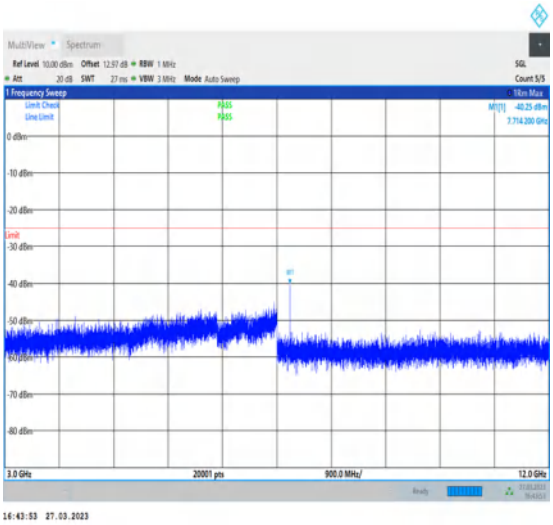

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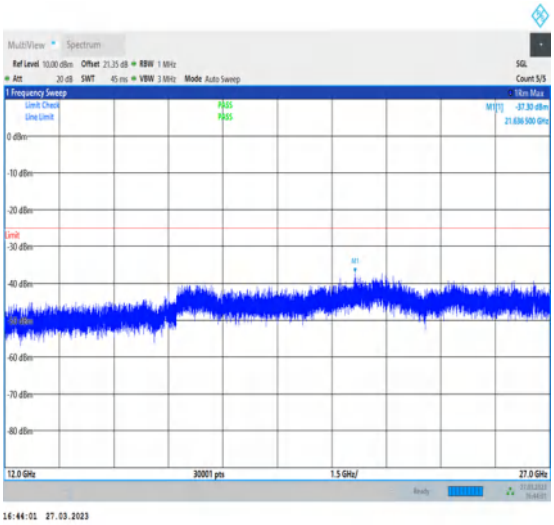

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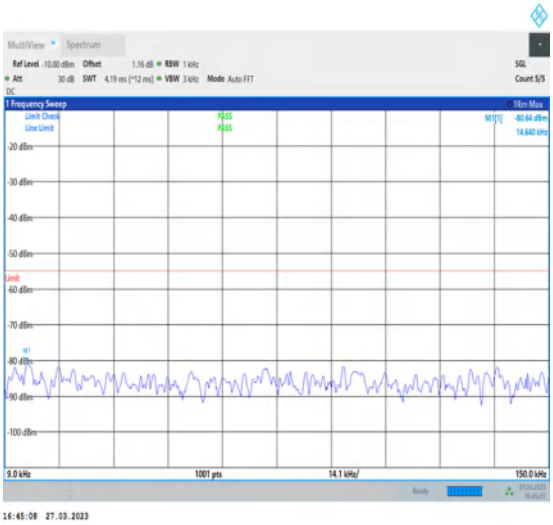

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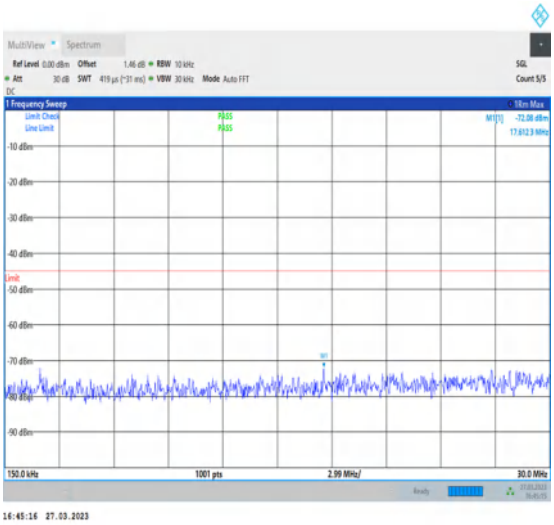

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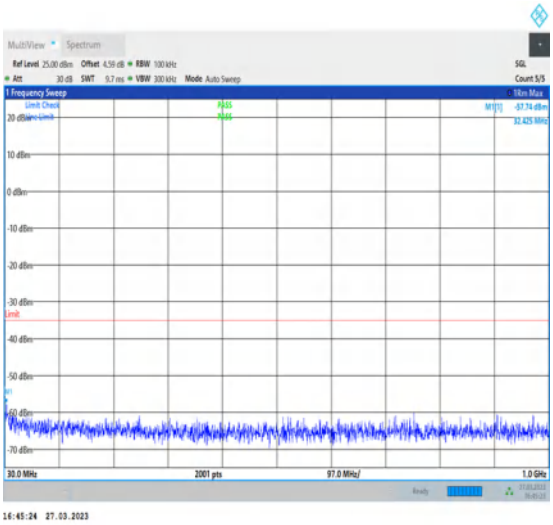

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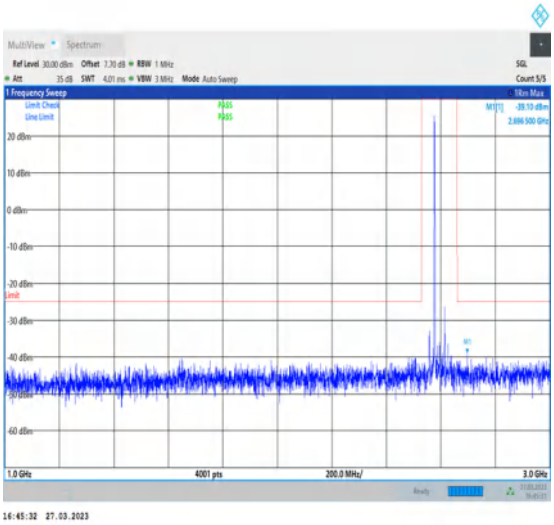

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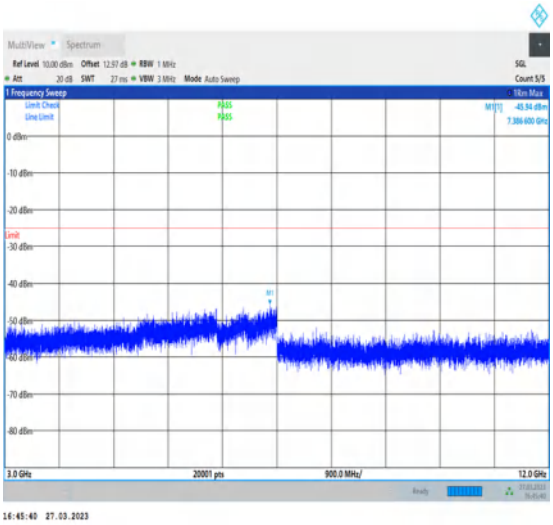

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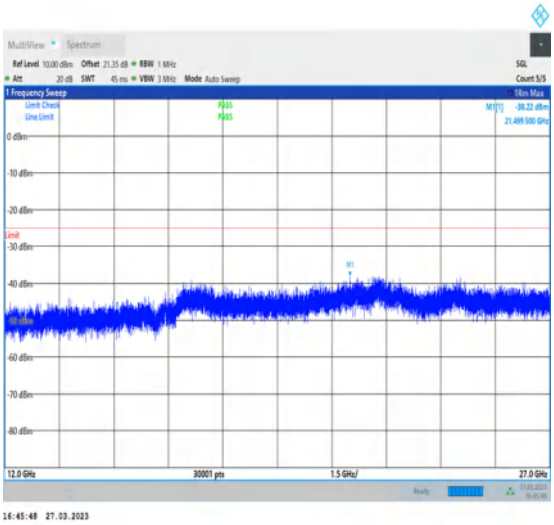

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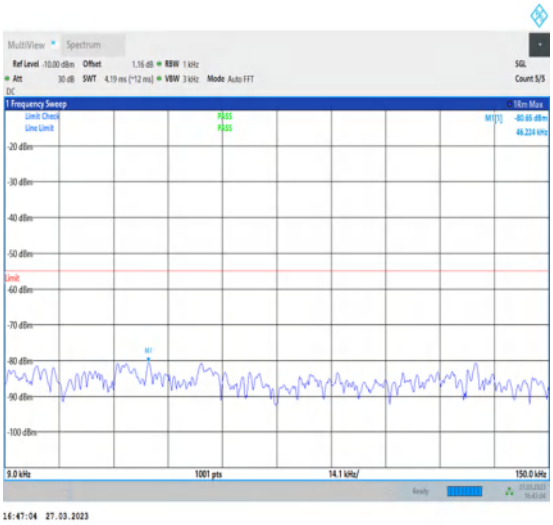
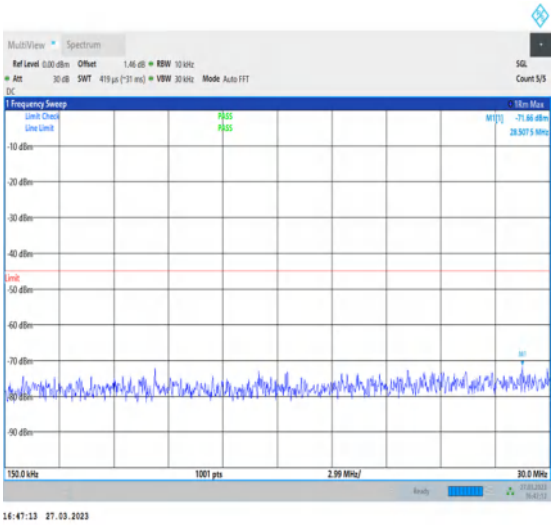
|  |  |
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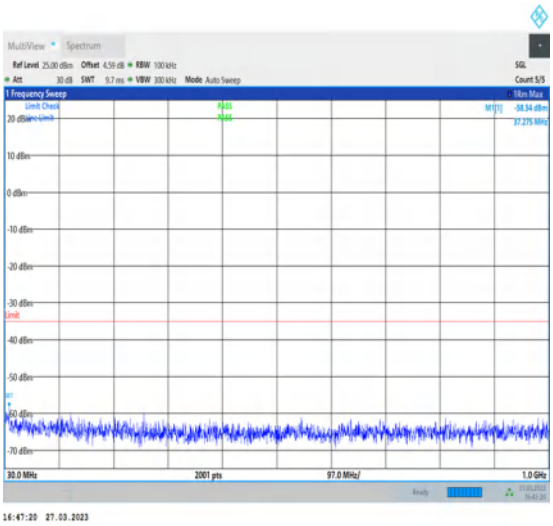
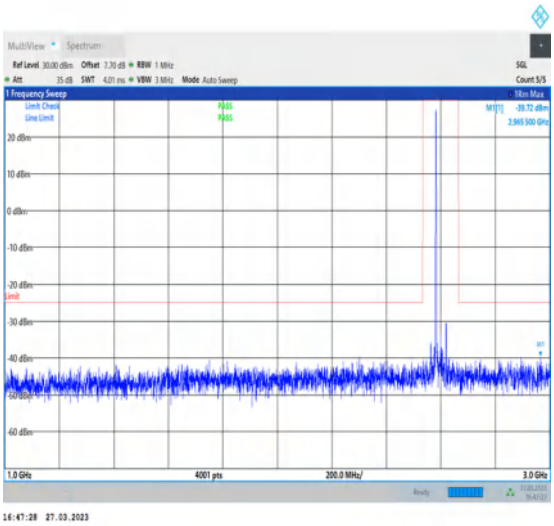
|  |  |
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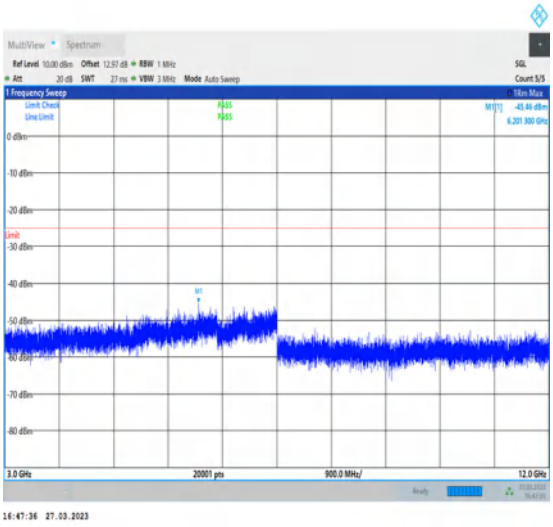
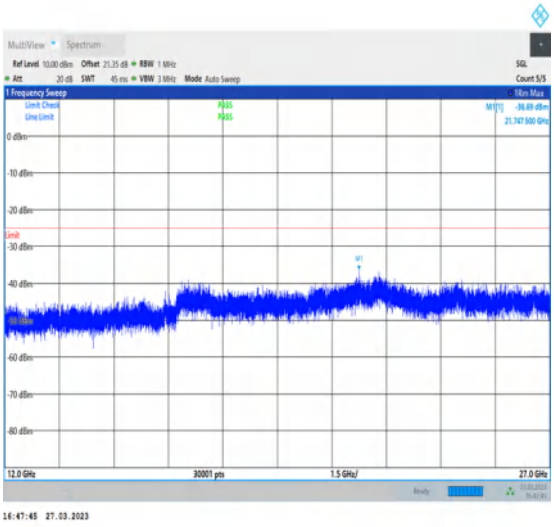
|  |  |
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## Conducted Spurious Emission for MIMO

### Test Graphs

| | |
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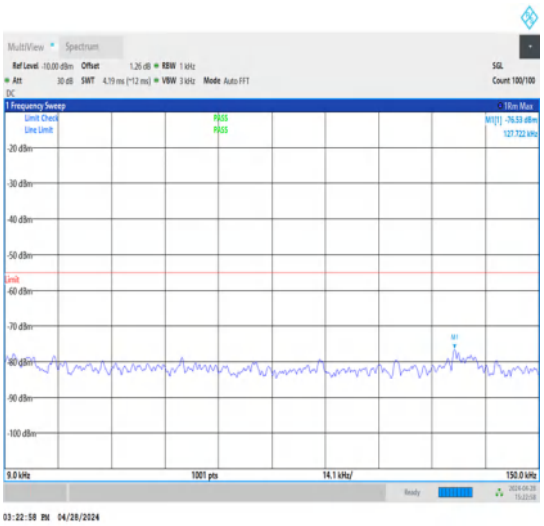
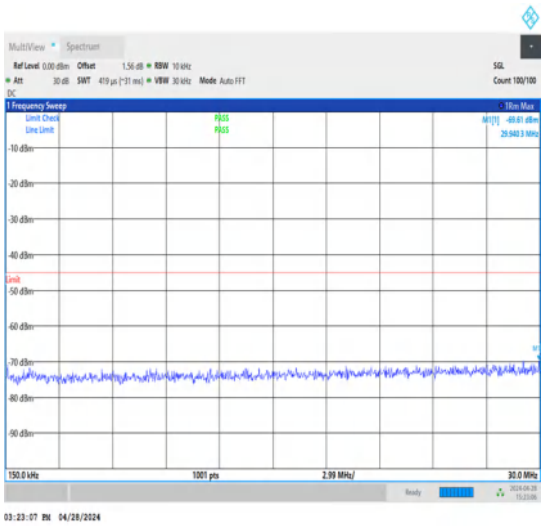
|  |  |
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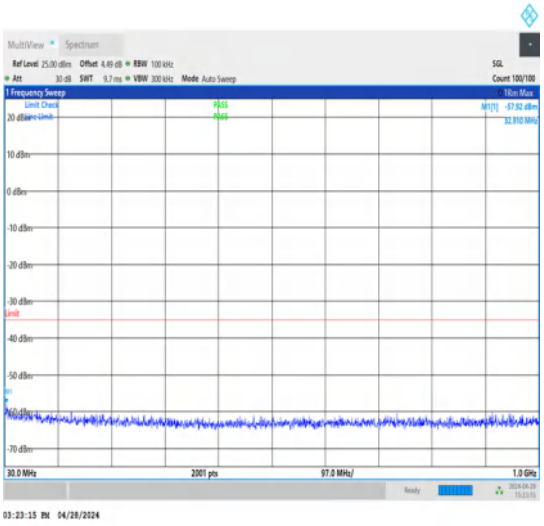
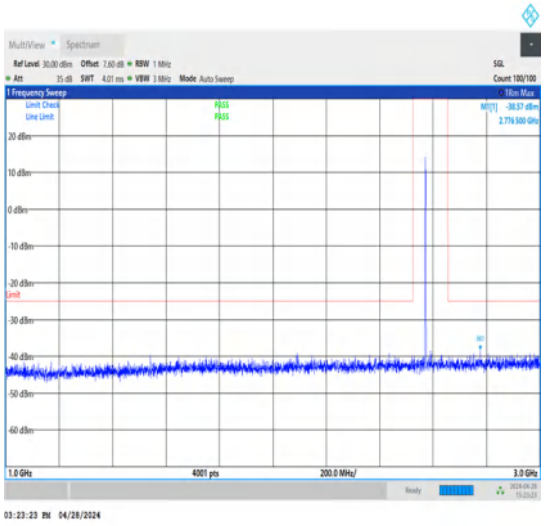
|  |  |
| 1-N38-30-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-32.91--57.92--35-PASS | 1-N38-30-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2776.50--38.57--25-PASS |

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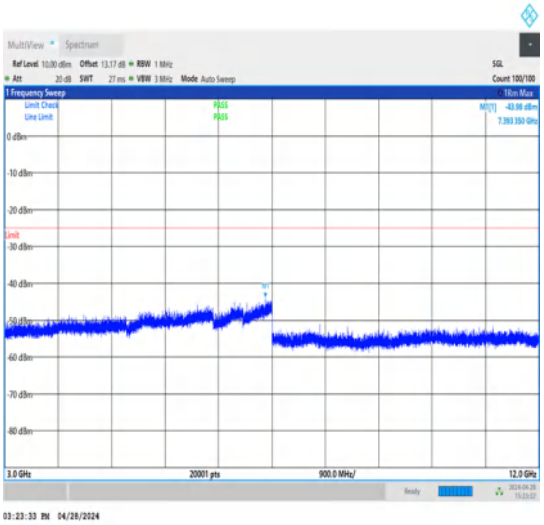

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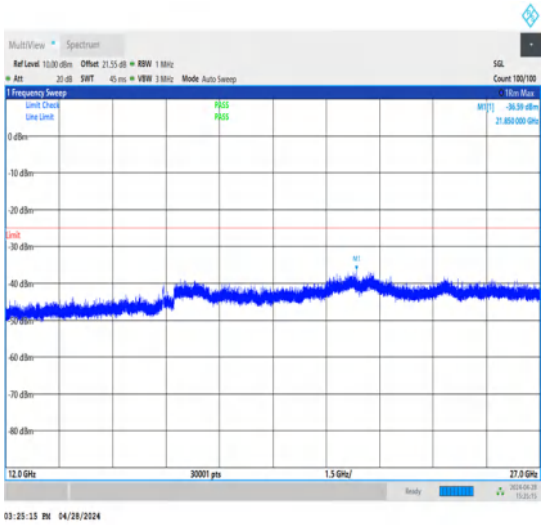

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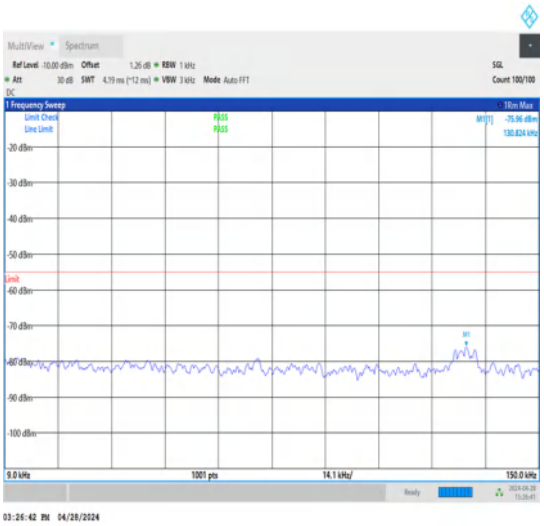

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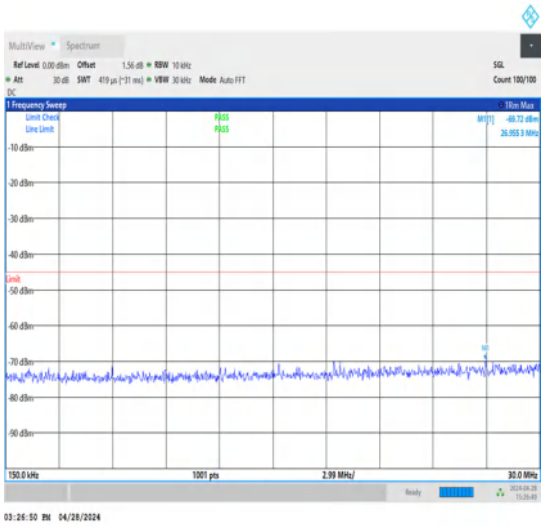

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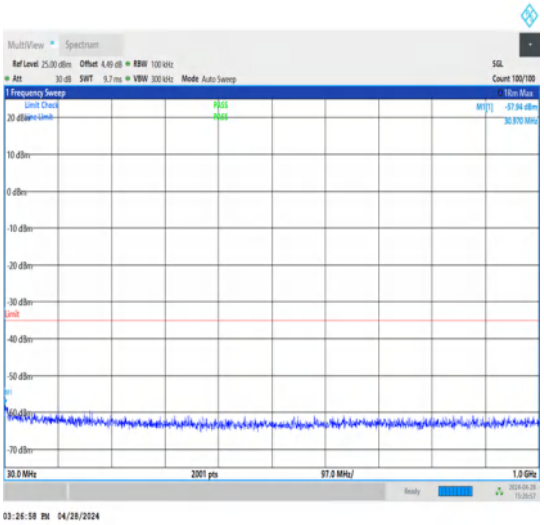
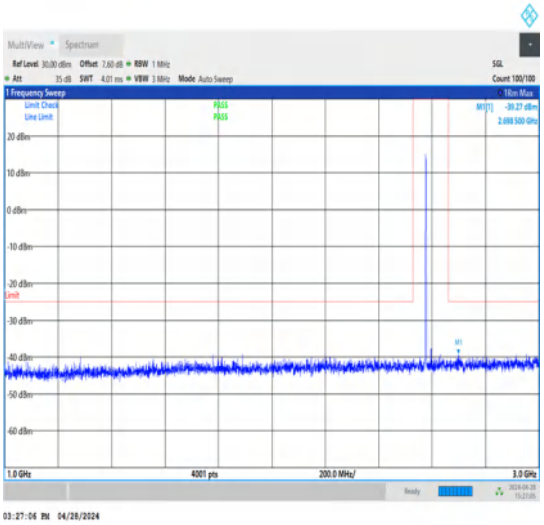
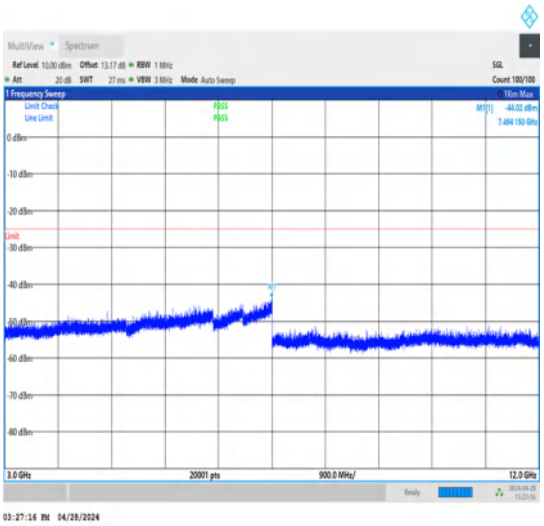
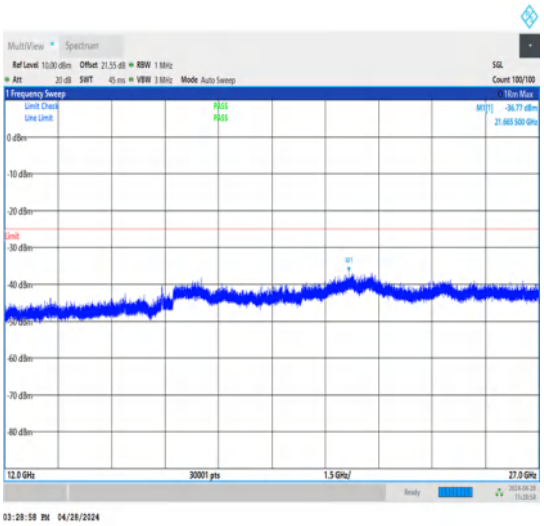
|  |  |
| 1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-30.97--57.94--35-PASS | 1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2698.50--39.27--25-PASS |
|  |  |
| 1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-7494.15--44.02--25-PASS | 1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-27000-Ant1-21665.50--36.77--25-PASS |

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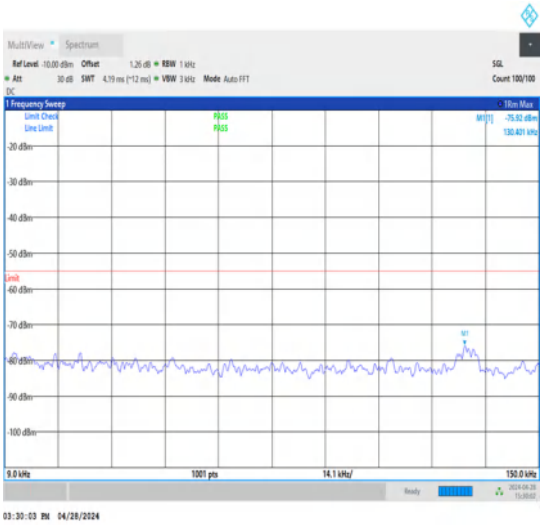

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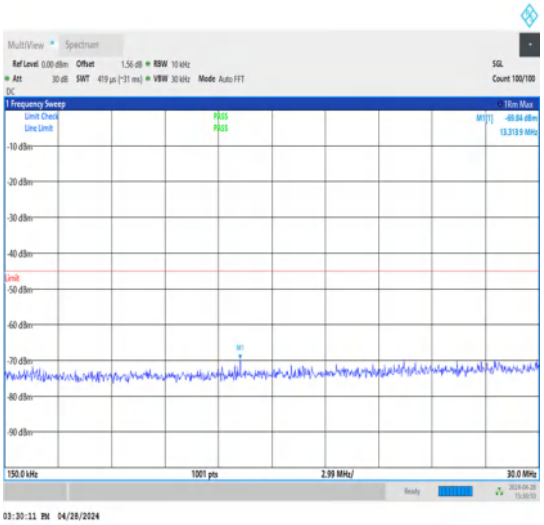

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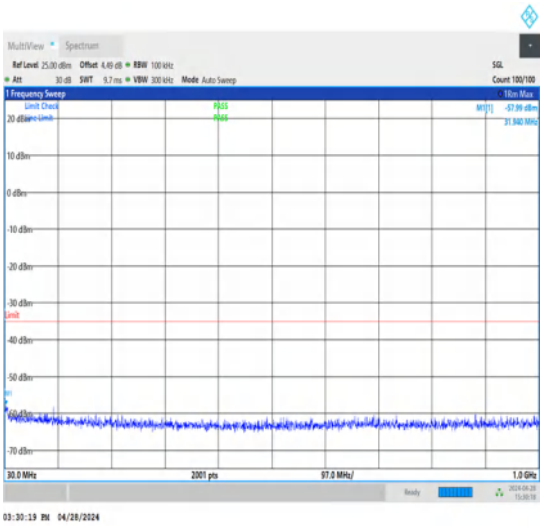

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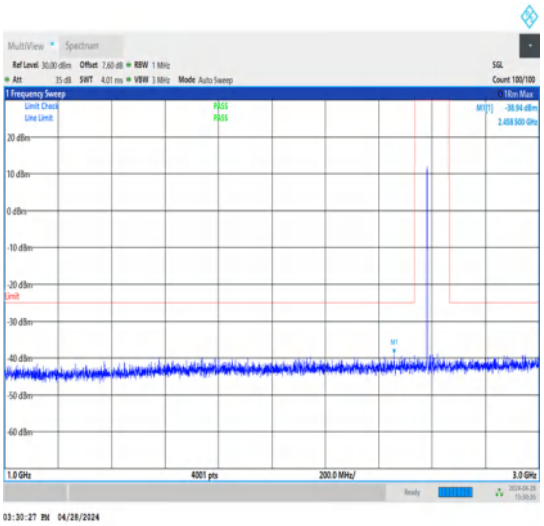

1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2458.50--38.94--25-PASS

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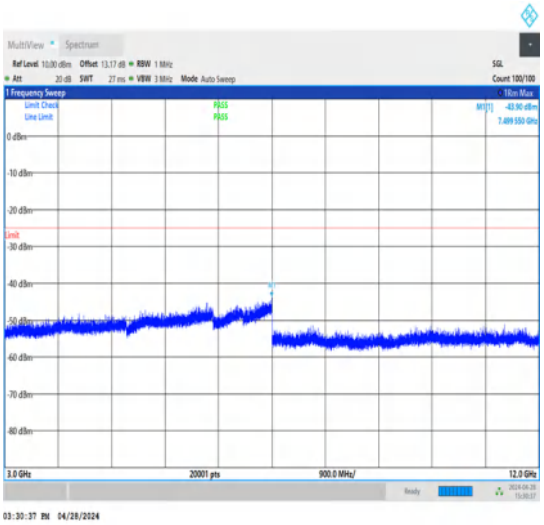
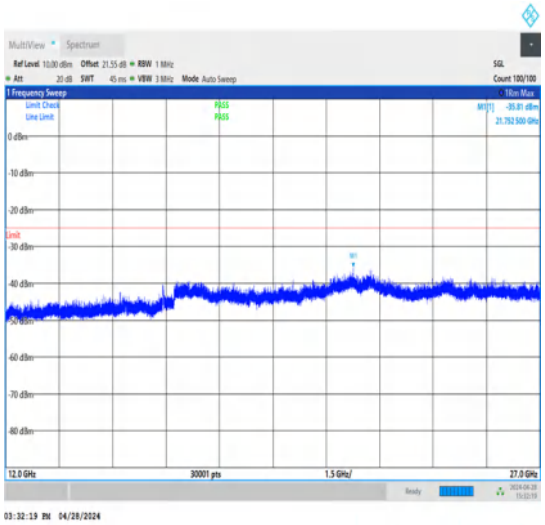
|  |  |
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# Field Strength of Spurious Radiation

## Test Band = SA Band38_40MHz _ TM1
## Test Channel = Low

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3922.5 | 43.50 | -46.23 | 30.62 | -67.37 | -25.00 | 42.37 | 245 | 122 | Horizontal |
| 2 | 5144.1800 | 43.59 | -45.33 | 32.96 | -64.04 | -25.00 | 39.04 | 136 | 77 | Horizontal |
| 3 | 7716.2700 | 39.50 | -42.98 | 36.62 | -62.13 | -25.00 | 37.13 | 256 | 18 | Horizontal |
| 4 | 10288.3600 | 35.29 | -39.14 | 38.83 | -60.28 | -25.00 | 35.28 | 192 | 270 | Horizontal |
| 5 | 12860.4500 | 31.89 | -37.00 | 39.69 | -60.68 | -25.00 | 35.68 | 174 | 272 | Horizontal |
| 6 | 15432.5400 | 30.78 | -34.11 | 38.67 | -59.92 | -25.00 | 34.92 | 154 | 8 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3923.25 | 43.92 | -46.22 | 30.62 | -66.94 | -25.00 | 41.94 | 154 | 210 | Vertical |
| 2 | 5144.1800 | 45.47 | -45.33 | 32.96 | -62.16 | -25.00 | 37.16 | 126 | 1 | Vertical |
| 3 | 7716.2700 | 39.56 | -42.98 | 36.62 | -62.07 | -25.00 | 37.07 | 135 | 0 | Vertical |
| 4 | 10288.3600 | 34.66 | -39.14 | 38.83 | -60.91 | -25.00 | 35.91 | 174 | 16 | Vertical |
| 5 | 12860.4500 | 31.86 | -37.00 | 39.69 | -60.71 | -25.00 | 35.71 | 156 | 256 | Vertical |
| 6 | 15432.5400 | 29.79 | -34.11 | 38.67 | -60.91 | -25.00 | 35.91 | 291 | 91 | Vertical |

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**Test Band = SA Band38_40MHz _ TM1**
**Test Channel = Mid**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3343.5 | 44.30 | -46.38 | 29.50 | -67.84 | -25.00 | 42.84 | 255 | 91 | Horizontal |
| 2 | 5154.1800 | 44.15 | -45.32 | 32.97 | -63.47 | -25.00 | 38.47 | 148 | 77 | Horizontal |
| 3 | 7731.2700 | 39.77 | -42.86 | 36.65 | -61.71 | -25.00 | 36.71 | 163 | 300 | Horizontal |
| 4 | 10308.3600 | 33.85 | -39.08 | 38.84 | -61.66 | -25.00 | 36.66 | 265 | 152 | Horizontal |
| 5 | 12885.4500 | 31.57 | -37.07 | 39.72 | -61.04 | -25.00 | 36.04 | 199 | 3 | Horizontal |
| 6 | 15462.5400 | 30.44 | -34.67 | 38.63 | -60.86 | -25.00 | 35.86 | 172 | 0 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4062 | 43.39 | -45.87 | 30.89 | -66.84 | -25.00 | 41.84 | 255 | 3 | Vertical |
| 2 | 5154.1800 | 47.67 | -45.32 | 32.97 | -59.95 | -25.00 | 34.95 | 136 | 47 | Vertical |
| 3 | 7731.2700 | 39.15 | -42.86 | 36.65 | -62.33 | -25.00 | 37.33 | 256 | 331 | Vertical |
| 4 | 10308.3600 | 34.36 | -39.08 | 38.84 | -61.15 | -25.00 | 36.15 | 142 | 122 | Vertical |
| 5 | 12885.4500 | 31.71 | -37.07 | 39.72 | -60.90 | -25.00 | 35.90 | 188 | 357 | Vertical |
| 6 | 15462.5400 | 29.66 | -34.67 | 38.63 | -61.64 | -25.00 | 36.64 | 192 | 227 | Vertical |

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Member of the SGS Group (SGS SA)

**Test Band = SA Band38_40MHz _ TM1**
**Test Channel = High**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4075.5 | 42.99 | -45.83 | 30.91 | -67.19 | -25.00 | 42.19 | 241 | 78 | Horizontal |
| 2 | 5164.1800 | 45.20 | -45.31 | 32.97 | -62.40 | -25.00 | 37.40 | 136 | 108 | Horizontal |
| 3 | 7746.2700 | 39.75 | -42.74 | 36.68 | -61.58 | -25.00 | 36.58 | 233 | 242 | Horizontal |
| 4 | 10328.3600 | 34.38 | -39.07 | 38.84 | -61.10 | -25.00 | 36.10 | 216 | 108 | Horizontal |
| 5 | 12910.4500 | 31.89 | -37.13 | 39.74 | -60.76 | -25.00 | 35.76 | 198 | 168 | Horizontal |
| 6 | 15492.5400 | 28.50 | -35.23 | 38.58 | -63.41 | -25.00 | 38.41 | 175 | 0 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3686.25 | 43.24 | -45.59 | 29.92 | -67.69 | -25.00 | 42.69 | 287 | 347 | Vertical |
| 2 | 5164.1800 | 46.26 | -45.31 | 32.97 | -61.34 | -25.00 | 36.34 | 149 | 31 | Vertical |
| 3 | 7746.2700 | 39.83 | -42.74 | 36.68 | -61.50 | -25.00 | 36.50 | 185 | 8 | Vertical |
| 4 | 10328.3600 | 34.09 | -39.07 | 38.84 | -61.39 | -25.00 | 36.39 | 169 | 357 | Vertical |
| 5 | 12910.4500 | 31.50 | -37.13 | 39.74 | -61.15 | -25.00 | 36.15 | 174 | 62 | Vertical |
| 6 | 15492.5400 | 28.67 | -35.23 | 38.58 | -63.24 | -25.00 | 38.24 | 135 | 331 | Vertical |

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**Test Band = SA Band38 _40MHz _ULMIMO_ TM1**
**Test Channel = Low**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4026.75 | 42.65 | -45.97 | 30.84 | -67.73 | -25.00 | 42.73 | 215 | 0 | Horizontal |
| 2 | 4738.5 | 41.36 | -45.58 | 32.13 | -67.34 | -25.00 | 42.34 | 136 | 331 | Horizontal |
| 3 | 5552.25 | 40.87 | -45.15 | 32.97 | -66.57 | -25.00 | 41.57 | 251 | 107 | Horizontal |
| 4 | 6690.75 | 39.76 | -43.86 | 35.62 | -63.74 | -25.00 | 38.74 | 145 | 302 | Horizontal |
| 5 | 8457.75 | 36.86 | -41.55 | 37.45 | -62.50 | -25.00 | 37.50 | 185 | 346 | Horizontal |
| 6 | 11321.25 | 28.47 | -37.41 | 39.11 | -65.09 | -25.00 | 40.09 | 126 | 211 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4272.75 | 42.09 | -45.60 | 31.25 | -67.52 | -25.00 | 42.52 | 251 | 21 | Vertical |
| 2 | 5217 | 41.18 | -45.25 | 32.97 | -66.35 | -25.00 | 41.35 | 148 | 199 | Vertical |
| 3 | 6486.75 | 40.74 | -44.58 | 34.98 | -64.13 | -25.00 | 39.13 | 186 | 152 | Vertical |
| 4 | 8101.5 | 34.84 | -41.37 | 37.05 | -64.75 | -25.00 | 39.75 | 163 | 318 | Vertical |
| 5 | 10706.25 | 28.43 | -37.93 | 39.15 | -65.61 | -25.00 | 40.61 | 258 | 109 | Vertical |
| 6 | 14613.75 | 24.87 | -35.20 | 39.92 | -65.67 | -25.00 | 40.67 | 174 | 152 | Vertical |

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**Test Band = SA Band38 _40MHz _ULMIMO_ TM1**
**Test Channel = Mid**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4758 | 41.44 | -45.57 | 32.19 | -67.19 | -25.00 | 42.19 | 118 | 316 | Horizontal |
| 2 | 5964 | 41.11 | -44.88 | 34.06 | -64.97 | -25.00 | 39.97 | 145 | 165 | Horizontal |
| 3 | 6996 | 39.59 | -43.57 | 36.08 | -63.17 | -25.00 | 38.17 | 198 | 273 | Horizontal |
| 4 | 9087.75 | 33.80 | -40.43 | 38.26 | -63.63 | -25.00 | 38.63 | 156 | 0 | Horizontal |
| 5 | 11260.5 | 28.06 | -37.41 | 39.11 | -65.50 | -25.00 | 40.50 | 172 | 287 | Horizontal |
| 6 | 12776.25 | 26.39 | -36.79 | 39.59 | -66.08 | -25.00 | 41.08 | 180 | 331 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3794.25 | 42.11 | -45.90 | 30.31 | -68.74 | -25.00 | 43.74 | 255 | 199 | Vertical |
| 2 | 4739.25 | 41.52 | -45.58 | 32.13 | -67.18 | -25.00 | 42.18 | 142 | 319 | Vertical |
| 3 | 5838 | 40.68 | -44.83 | 33.82 | -65.59 | -25.00 | 40.59 | 163 | 258 | Vertical |
| 4 | 6996 | 39.67 | -43.57 | 36.08 | -63.09 | -25.00 | 38.09 | 259 | 258 | Vertical |
| 5 | 8932.5 | 35.41 | -41.16 | 38.16 | -62.85 | -25.00 | 37.85 | 291 | 0 | Vertical |
| 6 | 11835.75 | 24.80 | -37.00 | 38.79 | -68.67 | -25.00 | 43.67 | 175 | 0 | Vertical |

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**Test Band = SA Band38_40MHz_ ULMIMO_ TM1**
**Test Channel = High**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4220.25 | 41.41 | -45.72 | 31.14 | -68.43 | -25.00 | 43.43 | 244 | 152 | Horizontal |
| 2 | 5057.25 | 41.29 | -45.49 | 32.91 | -66.54 | -25.00 | 41.54 | 175 | 195 | Horizontal |
| 3 | 6576 | 40.10 | -44.41 | 35.34 | -64.23 | -25.00 | 39.23 | 153 | 17 | Horizontal |
| 4 | 8035.5 | 36.46 | -42.00 | 37.02 | -63.78 | -25.00 | 38.78 | 261 | 138 | Horizontal |
| 5 | 10340.25 | 29.52 | -39.06 | 38.85 | -65.95 | -25.00 | 40.95 | 185 | 346 | Horizontal |
| 6 | 14340 | 24.64 | -35.62 | 40.13 | -66.11 | -25.00 | 41.11 | 206 | 30 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 3781.5 | 41.80 | -45.84 | 30.26 | -69.04 | -25.00 | 44.04 | 144 | 300 | Vertical |
| 2 | 5241.75 | 40.79 | -45.20 | 32.95 | -66.72 | -25.00 | 41.72 | 126 | 251 | Vertical |
| 3 | 6483 | 40.45 | -44.58 | 34.96 | -64.43 | -25.00 | 39.43 | 259 | 212 | Vertical |
| 4 | 8547 | 35.80 | -41.48 | 37.64 | -63.31 | -25.00 | 38.31 | 291 | 263 | Vertical |
| 5 | 10654.5 | 27.82 | -38.15 | 39.10 | -66.48 | -25.00 | 41.48 | 148 | 240 | Vertical |
| 6 | 12071.25 | 26.00 | -37.42 | 39.03 | -67.66 | -25.00 | 42.66 | 173 | 0 | Vertical |

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**Test Band = NSA 2A_n38A_ TM1**
**Test Channel = Low**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5169 | 50.81 | -45.31 | 32.97 | -56.78 | -25.00 | 31.78 | 233 | 108 | Horizontal |
| 2 | 6724.5 | 40.10 | -43.90 | 35.69 | -63.37 | -25.00 | 38.37 | 189 | 211 | Horizontal |
| 3 | 7733.25 | 39.78 | -42.85 | 36.65 | -61.68 | -25.00 | 36.68 | 206 | 18 | Horizontal |
| 4 | 9478.5 | 33.97 | -40.14 | 38.47 | -62.96 | -25.00 | 37.96 | 265 | 0 | Horizontal |
| 5 | 11215.5 | 28.08 | -37.39 | 39.11 | -65.46 | -25.00 | 40.46 | 175 | 35 | Horizontal |
| 6 | 14390.25 | 24.66 | -34.93 | 40.09 | -65.45 | -25.00 | 40.45 | 144 | 168 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4843.5 | 44.97 | -45.54 | 32.44 | -63.38 | -25.00 | 38.38 | 211 | 35 | Vertical |
| 2 | 7426.5 | 39.68 | -43.34 | 36.48 | -62.44 | -25.00 | 37.44 | 149 | 316 | Vertical |
| 3 | 8406.75 | 37.06 | -41.46 | 37.34 | -62.32 | -25.00 | 37.32 | 128 | 35 | Vertical |
| 4 | 9426 | 33.67 | -39.93 | 38.48 | -63.04 | -25.00 | 38.04 | 156 | 357 | Vertical |
| 5 | 11238 | 28.31 | -37.40 | 39.11 | -65.24 | -25.00 | 40.24 | 327 | 273 | Vertical |
| 6 | 16490.25 | 27.64 | -33.90 | 37.91 | -63.62 | -25.00 | 38.62 | 142 | 21 | Vertical |

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**Test Band = NSA 2A_n38A_ TM1**
**Test Channel = Mid**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4843.5 | 43.82 | -45.54 | 32.44 | -64.53 | -25.00 | 39.53 | 271 | 35 | Horizontal |
| 2 | 7008 | 40.58 | -43.60 | 36.10 | -62.18 | -25.00 | 37.18 | 186 | 153 | Horizontal |
| 3 | 8411.25 | 37.66 | -41.47 | 37.35 | -61.72 | -25.00 | 36.72 | 239 | 272 | Horizontal |
| 4 | 11144.25 | 28.88 | -37.71 | 39.10 | -64.99 | -25.00 | 39.99 | 247 | 0 | Horizontal |
| 5 | 13856.25 | 26.36 | -35.87 | 40.01 | -64.76 | -25.00 | 39.76 | 144 | 243 | Horizontal |
| 6 | 16473 | 28.06 | -34.02 | 37.87 | -63.35 | -25.00 | 38.35 | 125 | 331 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5152.5 | 57.16 | -45.32 | 32.96 | -50.46 | -25.00 | 25.46 | 229 | 357 | Vertical |
| 2 | 7728.75 | 42.66 | -42.89 | 36.64 | -58.85 | -25.00 | 33.85 | 185 | 357 | Vertical |
| 3 | 9426 | 34.58 | -39.93 | 38.48 | -62.13 | -25.00 | 37.13 | 164 | 154 | Vertical |
| 4 | 11142 | 28.85 | -37.73 | 39.10 | -65.04 | -25.00 | 40.04 | 271 | 227 | Vertical |
| 5 | 13909.5 | 26.58 | -35.48 | 40.06 | -64.10 | -25.00 | 39.10 | 158 | 1 | Vertical |
| 6 | 16431.75 | 28.31 | -34.28 | 37.79 | -63.45 | -25.00 | 38.45 | 220 | 154 | Vertical |

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**Test Band = NSA 2A_n38A_ TM1**
**Test Channel = High**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5151.75 | 50.18 | -45.32 | 32.96 | -57.44 | -25.00 | 32.44 | 155 | 21 | Horizontal |
| 2 | 7005.75 | 40.28 | -43.59 | 36.09 | -62.47 | -25.00 | 37.47 | 187 | 1 | Horizontal |
| 3 | 8433 | 37.96 | -41.51 | 37.40 | -61.41 | -25.00 | 36.41 | 165 | 316 | Horizontal |
| 4 | 11142 | 29.52 | -37.73 | 39.10 | -64.37 | -25.00 | 39.37 | 298 | 148 | Horizontal |
| 5 | 14444.25 | 26.01 | -34.82 | 40.05 | -64.02 | -25.00 | 39.02 | 156 | 0 | Horizontal |
| 6 | 17230.5 | 29.75 | -35.14 | 38.65 | -62.00 | -25.00 | 37.00 | 244 | 11 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5163 | 60.20 | -45.31 | 32.97 | -47.40 | -25.00 | 22.40 | 277 | 43 | Vertical |
| 2 | 7728 | 45.99 | -42.89 | 36.64 | -55.52 | -25.00 | 30.52 | 181 | 87 | Vertical |
| 3 | 9481.5 | 35.15 | -40.16 | 38.47 | -61.80 | -25.00 | 36.80 | 213 | 301 | Vertical |
| 4 | 11199.75 | 29.49 | -37.39 | 39.11 | -64.05 | -25.00 | 39.05 | 256 | 147 | Vertical |
| 5 | 13834.5 | 27.60 | -36.07 | 39.99 | -63.74 | -25.00 | 38.74 | 247 | 178 | Vertical |
| 6 | 16451.25 | 28.12 | -34.16 | 37.83 | -63.47 | -25.00 | 38.47 | 180 | 224 | Vertical |

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**Test Band = NSA 5A_n38A_ TM1**
**Test Channel = Low**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5144.25 | 55.70 | -45.33 | 32.96 | -51.93 | -25.00 | 26.93 | 229 | 5 | Horizontal |
| 2 | 6745.5 | 40.95 | -43.97 | 35.73 | -62.55 | -25.00 | 37.55 | 174 | 319 | Horizontal |
| 3 | 8407.5 | 38.19 | -41.46 | 37.35 | -61.19 | -25.00 | 36.19 | 215 | 49 | Horizontal |
| 4 | 10098.75 | 32.59 | -39.12 | 38.65 | -63.14 | -25.00 | 38.14 | 293 | 227 | Horizontal |
| 5 | 13661.25 | 27.70 | -36.13 | 40.09 | -63.60 | -25.00 | 38.60 | 242 | 0 | Horizontal |
| 6 | 16367.25 | 28.48 | -34.54 | 37.70 | -63.61 | -25.00 | 38.61 | 151 | 35 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5145.75 | 60.69 | -45.33 | 32.96 | -46.94 | -25.00 | 21.94 | 244 | 32 | Vertical |
| 2 | 7728 | 44.75 | -42.89 | 36.64 | -56.76 | -25.00 | 31.76 | 132 | 32 | Vertical |
| 3 | 9607.5 | 34.71 | -39.65 | 38.43 | -61.77 | -25.00 | 36.77 | 256 | 256 | Vertical |
| 4 | 11211.75 | 30.12 | -37.39 | 39.11 | -63.42 | -25.00 | 38.42 | 288 | 242 | Vertical |
| 5 | 13850.25 | 28.13 | -35.92 | 40.01 | -63.05 | -25.00 | 38.05 | 179 | 0 | Vertical |
| 6 | 17237.25 | 30.29 | -35.17 | 38.66 | -61.49 | -25.00 | 36.49 | 256 | 93 | Vertical |

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**Test Band = NSA 5A_n38A_ TM1**
**Test Channel = Mid**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5151.75 | 50.52 | -45.32 | 32.96 | -57.10 | -25.00 | 32.10 | 217 | 120 | Horizontal |
| 2 | 6984 | 40.98 | -43.64 | 36.06 | -61.86 | -25.00 | 36.86 | 182 | 148 | Horizontal |
| 3 | 7728 | 42.21 | -42.89 | 36.64 | -59.30 | -25.00 | 34.30 | 239 | 1 | Horizontal |
| 4 | 10077 | 33.49 | -39.15 | 38.61 | -62.30 | -25.00 | 37.30 | 172 | 7 | Horizontal |
| 5 | 12726 | 28.67 | -36.72 | 39.50 | -63.81 | -25.00 | 38.81 | 144 | 29 | Horizontal |
| 6 | 13703.25 | 28.25 | -36.17 | 40.05 | -63.13 | -25.00 | 38.13 | 286 | 240 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 4531.5 | 43.87 | -45.70 | 31.64 | -65.45 | -25.00 | 40.45 | 219 | 64 | Vertical |
| 2 | 5152.5 | 58.27 | -45.32 | 32.96 | -49.35 | -25.00 | 24.35 | 286 | 4 | Vertical |
| 3 | 7728 | 46.45 | -42.89 | 36.64 | -55.06 | -25.00 | 30.06 | 177 | 213 | Vertical |
| 4 | 10040.25 | 33.32 | -39.19 | 38.55 | -62.58 | -25.00 | 37.58 | 246 | 332 | Vertical |
| 5 | 14391 | 27.27 | -34.92 | 40.09 | -62.83 | -25.00 | 37.83 | 238 | 92 | Vertical |
| 6 | 17196 | 30.55 | -34.97 | 38.61 | -61.07 | -25.00 | 36.07 | 175 | 1 | Vertical |

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**Test Band = NSA 5A_n38A_ TM1**
**Test Channel = High**

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5164.5 | 53.43 | -45.31 | 32.97 | -54.17 | -25.00 | 29.17 | 214 | 257 | Horizontal |
| 2 | 7728 | 45.04 | -42.89 | 36.64 | -56.47 | -25.00 | 31.47 | 195 | 0 | Horizontal |
| 3 | 8412.75 | 38.49 | -41.47 | 37.36 | -60.88 | -25.00 | 35.88 | 185 | 213 | Horizontal |
| 4 | 10113.75 | 33.57 | -39.17 | 38.67 | -62.19 | -25.00 | 37.19 | 142 | 331 | Horizontal |
| 5 | 13734 | 28.89 | -36.24 | 40.02 | -62.59 | -25.00 | 37.59 | 135 | 346 | Horizontal |
| 6 | 16480.5 | 29.98 | -33.97 | 37.89 | -61.36 | -25.00 | 36.36 | 166 | 91 | Horizontal |

| Final Data List | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5152.5 | 59.18 | -45.32 | 32.96 | -48.44 | -25.00 | 23.44 | 214 | 108 | Vertical |
| 2 | 7728.75 | 43.17 | -42.89 | 36.64 | -58.34 | -25.00 | 33.34 | 188 | 240 | Vertical |
| 3 | 8931 | 37.49 | -41.17 | 38.16 | -60.78 | -25.00 | 35.78 | 170 | 18 | Vertical |
| 4 | 11210.25 | 31.33 | -37.39 | 39.11 | -62.21 | -25.00 | 37.21 | 239 | 24 | Vertical |
| 5 | 13605 | 29.69 | -36.08 | 40.15 | -61.51 | -25.00 | 36.51 | 306 | 15 | Vertical |
| 6 | 16488 | 29.48 | -33.92 | 37.90 | -61.80 | -25.00 | 36.80 | 248 | 23 | 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 for SA

## Test Result

### Frequency Error VS. Voltage

| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | VH | NT | 1.800000 | 0.000694 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | VN | NT | -6.400000 | -0.002466 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | VL | NT | -6.600000 | -0.002543 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | VH | NT | 7.700000 | 0.002967 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | VN | NT | 4.100000 | 0.001580 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | VL | NT | -4.300000 | -0.001657 | PASS |

### Frequency Error VS. Temperature

| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | -30 | 6.400000 | 0.002466 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | -20 | -1.800000 | -0.000694 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | -10 | 8.900000 | 0.003430 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | 0 | -1.100000 | -0.000424 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | 10 | -8.000000 | -0.003083 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | 20 | -1.500000 | -0.000578 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | 30 | 0.800000 | 0.000308 | PASS |
| N38 | 30 | 40 | DFT-PI2BPSK | M | Outer_Full | NV | 40 | -1.300000 | -0.000501 | PASS |
| N38 | 30 | 40 | DFT- | M | Outer_Full | NV | 50 | 4.200000 | 0.001618 | PASS |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | PI2BPSK | | | | | | | |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -30 | 23.400000 | 0.009017 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -20 | 0.000000 | 0.000000 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | -10 | 5.600000 | 0.002158 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 0 | 10.400000 | 0.004008 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 10 | 16.700000 | 0.006435 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 20 | 2.500000 | 0.000963 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 30 | 11.200000 | 0.004316 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 40 | 0.900000 | 0.000347 | PASS |
| N38 | 30 | 40 | CP-QPSK | M | Outer_Full | NV | 50 | 8.800000 | 0.003391 | PASS |

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