



Report No.: SUCR240400008902

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# Appendix B.42

## NR Band n30



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

## Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config       | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|------|-----|-----------|-------------|---------|-----------------|--------------|------------|-------------|---------|
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Left  | 22.86        | 23.84      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Right | 22.84        | 23.82      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full      | 22.86        | 23.84      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Left  | 22.63        | 23.61      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Right | 22.77        | 23.75      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Outer_Full      | 22.93        | 23.91      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Left  | 22.73        | 23.71      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Right | 22.77        | 23.75      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | L       | Outer_Full      | 22           | 22.98      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Left  | 21.63        | 22.61      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Right | 21.69        | 22.67      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | L       | Outer_Full      | 21.52        | 22.5       | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Left  | 18.87        | 19.85      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Right | 18.86        | 19.84      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | L       | Outer_Full      | 19.44        | 20.42      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Left  | 22.91        | 23.89      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Right | 22.76        | 23.74      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full      | 22.97        | 23.95      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Left  | 22.87        | 23.85      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Right | 22.89        | 23.87      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Outer_Full      | 22.9         | 23.88      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Left  | 22.88        | 23.86      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Right | 22.87        | 23.85      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | M       | Outer_Full      | 22.04        | 23.02      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Left  | 21.74        | 22.72      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Right | 21.68        | 22.66      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | M       | Outer_Full      | 21.51        | 22.49      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | M       | Inner_1RB_Left  | 19           | 19.98      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | M       | Inner_1RB_Right | 18.94        | 19.92      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | M       | Outer_Full      | 19.44        | 20.42      | 23.98       | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | H       | Inner_1RB_Left  | 22.88        | 23.86      | 23.98       | PASS    |



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|     |    |    |             |   |                 |       |       |       |      |
|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N30 | 15 | 5  | DFT-PI2BPSK | H | Inner_1RB_Right | 22.7  | 23.68 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-PI2BPSK | H | Outer_Full      | 22.9  | 23.88 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Left  | 22.83 | 23.81 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Right | 22.77 | 23.75 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-QPSK    | H | Outer_Full      | 22.91 | 23.89 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Left  | 22.83 | 23.81 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Right | 22.77 | 23.75 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-16QAM   | H | Outer_Full      | 22.01 | 22.99 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Left  | 21.69 | 22.67 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Right | 21.61 | 22.59 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-64QAM   | H | Outer_Full      | 21.51 | 22.49 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Left  | 19.02 | 20    | 23.98 | PASS |
| N30 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Right | 18.75 | 19.73 | 23.98 | PASS |
| N30 | 15 | 5  | DFT-256QAM  | H | Outer_Full      | 19.47 | 20.45 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Left  | 22.92 | 23.9  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Right | 22.75 | 23.73 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | L | Outer_Full      | 22.95 | 23.93 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Left  | 22.82 | 23.8  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Right | 22.85 | 23.83 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | L | Outer_Full      | 22.89 | 23.87 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Left  | 22.82 | 23.8  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Right | 22.74 | 23.72 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | L | Outer_Full      | 22.01 | 22.99 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Left  | 21.7  | 22.68 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Right | 21.61 | 22.59 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | L | Outer_Full      | 21.56 | 22.54 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Left  | 18.82 | 19.8  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Right | 18.8  | 19.78 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | L | Outer_Full      | 19.47 | 20.45 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Left  | 22.78 | 23.76 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Right | 22.77 | 23.75 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full      | 22.92 | 23.9  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Left  | 22.8  | 23.78 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Right | 22.84 | 23.82 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | M | Outer_Full      | 22.99 | 23.97 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Left  | 22.85 | 23.83 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Right | 22.84 | 23.82 | 23.98 | PASS |



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|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N30 | 15 | 10 | DFT-16QAM   | M | Outer_Full      | 21.92 | 22.9  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Left  | 21.71 | 22.69 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Right | 21.6  | 22.58 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | M | Outer_Full      | 21.53 | 22.51 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Left  | 18.91 | 19.89 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Right | 18.77 | 19.75 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | M | Outer_Full      | 19.44 | 20.42 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Left  | 22.79 | 23.77 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Right | 22.77 | 23.75 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Outer_Full      | 22.96 | 23.94 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Left  | 22.82 | 23.8  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Right | 22.85 | 23.83 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Outer_Full      | 22.94 | 23.92 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Left  | 22.88 | 23.86 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Right | 22.84 | 23.82 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-16QAM   | H | Outer_Full      | 21.99 | 22.97 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Left  | 21.72 | 22.7  | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Right | 21.49 | 22.47 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-64QAM   | H | Outer_Full      | 21.55 | 22.53 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Left  | 18.86 | 19.84 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Right | 18.76 | 19.74 | 23.98 | PASS |



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## Power Spectral Density

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config       | Result<br>(dBm/<br>5MHz) | EIRP<br>(dBm/<br>5MHz) | Limit<br>(dBm/<br>5MHz) | Verdict |
|------|-----|-----------|-------------|---------|-----------------|--------------------------|------------------------|-------------------------|---------|
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Left  | 22.67                    | 23.65                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Right | 22.65                    | 23.63                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full      | 21.39                    | 22.37                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Left  | 22.54                    | 23.52                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Right | 22.54                    | 23.52                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | L       | Outer_Full      | 20.95                    | 21.93                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Left  | 22.72                    | 23.7                   | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Right | 22.68                    | 23.66                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full      | 21.44                    | 22.42                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Left  | 22.56                    | 23.54                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Right | 22.56                    | 23.54                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | M       | Outer_Full      | 20.97                    | 21.95                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | H       | Inner_1RB_Left  | 22.75                    | 23.73                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | H       | Inner_1RB_Right | 22.66                    | 23.64                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | H       | Outer_Full      | 21.44                    | 22.42                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | H       | Inner_1RB_Left  | 22.64                    | 23.62                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | H       | Inner_1RB_Right | 22.54                    | 23.52                  | 23.98                   | PASS    |
| N30  | 15  | 5         | DFT-QPSK    | H       | Outer_Full      | 20.95                    | 21.93                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | L       | Inner_1RB_Left  | 22.70                    | 23.68                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | L       | Inner_1RB_Right | 22.68                    | 23.66                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | L       | Outer_Full      | 19.71                    | 20.69                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | L       | Inner_1RB_Left  | 22.57                    | 23.55                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | L       | Inner_1RB_Right | 22.58                    | 23.56                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | L       | Outer_Full      | 19.28                    | 20.26                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | M       | Inner_1RB_Left  | 22.75                    | 23.73                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | M       | Inner_1RB_Right | 22.72                    | 23.7                   | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full      | 19.72                    | 20.7                   | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | M       | Inner_1RB_Left  | 22.60                    | 23.58                  | 23.98                   | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | M       | Inner_1RB_Right | 22.62                    | 23.6                   | 23.98                   | PASS    |



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Report No.: SUCR240400008902

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|     |    |    |             |   |                 |       |       |       |      |
|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N30 | 15 | 10 | DFT-QPSK    | M | Outer_Full      | 19.26 | 20.24 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Left  | 22.76 | 23.74 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Right | 22.75 | 23.73 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-PI2BPSK | H | Outer_Full      | 19.79 | 20.77 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Left  | 22.64 | 23.62 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Right | 22.64 | 23.62 | 23.98 | PASS |
| N30 | 15 | 10 | DFT-QPSK    | H | Outer_Full      | 19.34 | 20.32 | 23.98 | PASS |



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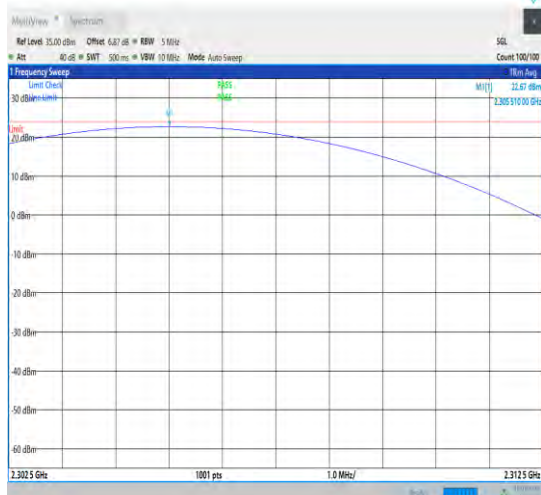
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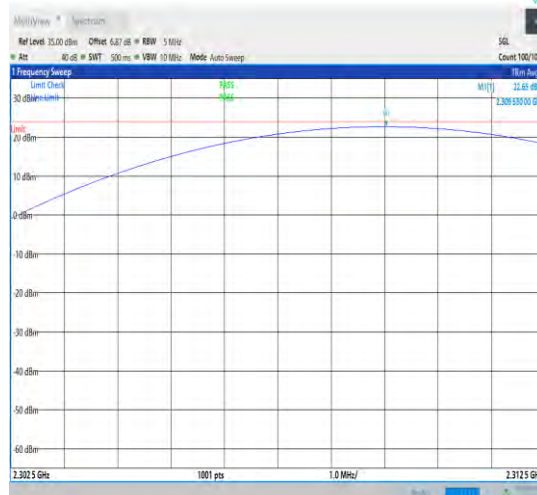
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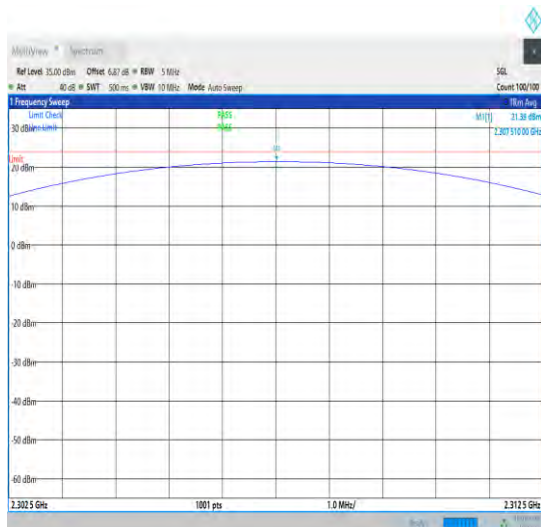
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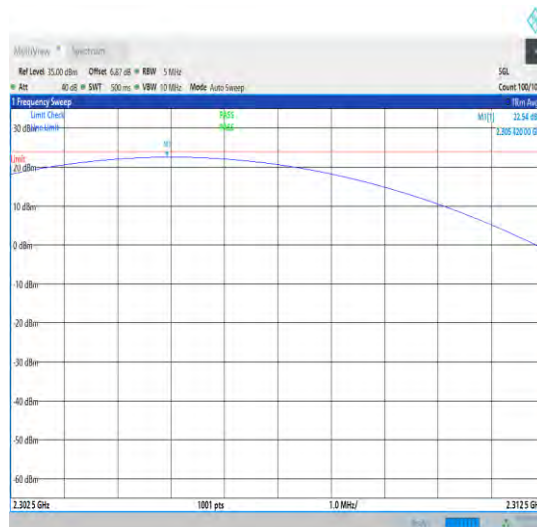
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23-2302.5-2312.5-Ant1-2309.53-22.65-23.98-PASS



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02.5-2312.5-Ant1-2307.51-21.39-23.98-PASS



1-N30-15-5-L-4-DFT-QPSK-Inner\_1RB\_Left-1@1-23  
02.5-2312.5-Ant1-2305.42-22.54-23.98-PASS



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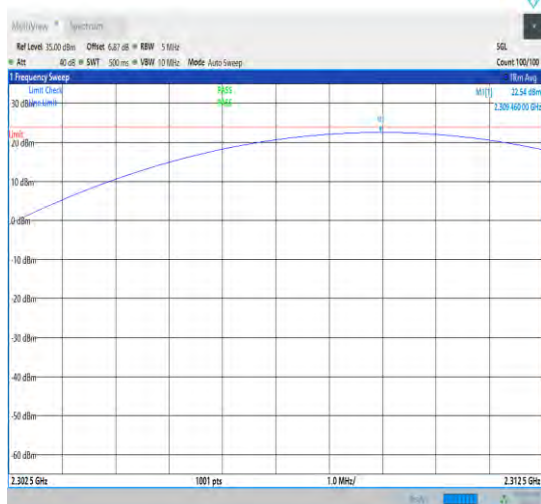
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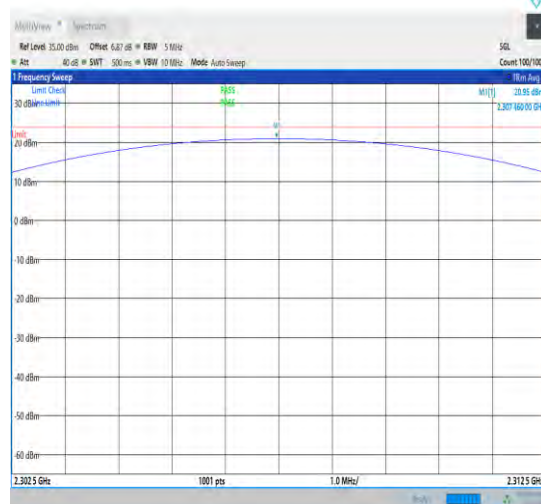
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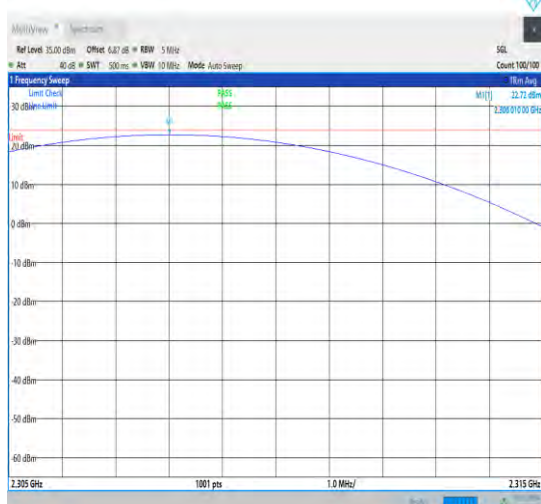
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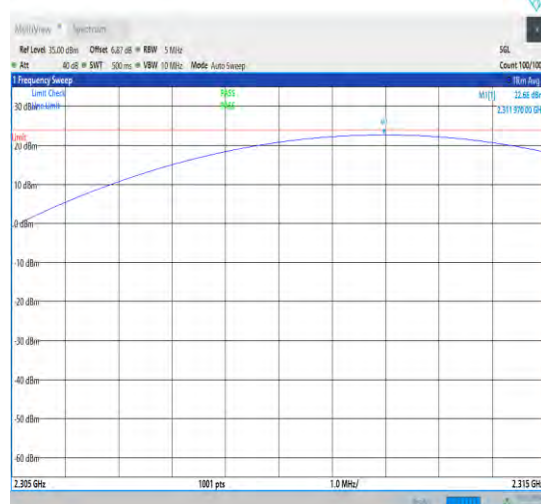
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1-N30-15-5-M-2-DFT-PI2BPSK-Inner\_1RB\_Right-1@23-2305-2315-Ant1-2311.97-22.68-23.98-PASS



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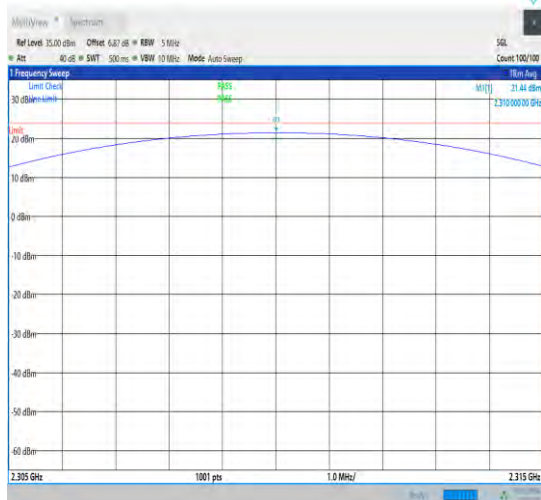
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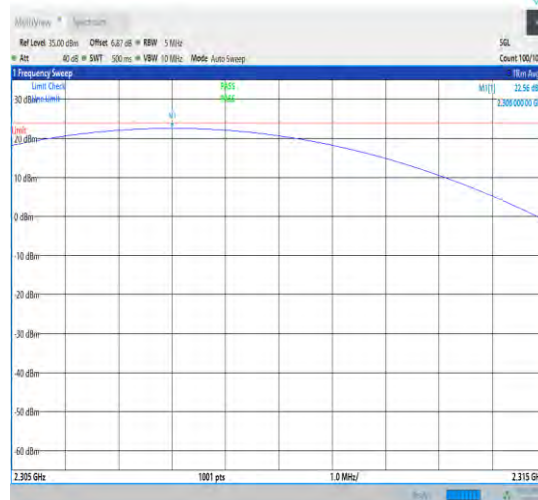
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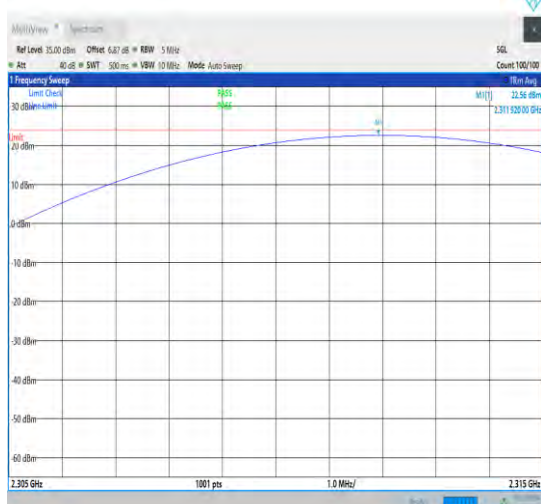
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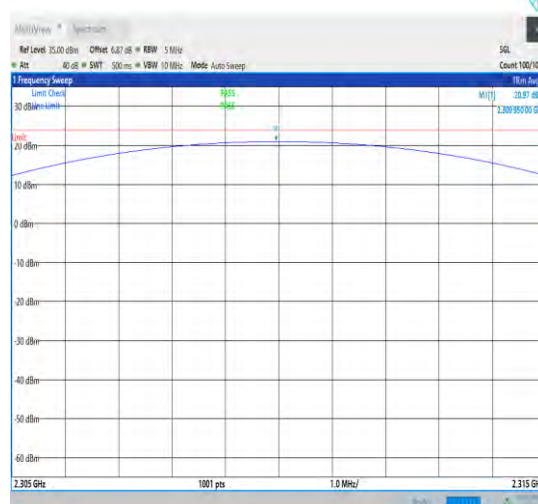
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1-N30-15-5-M-6-DFT-QPSK-Outer\_Full-25@0-2305-2315-Ant1-2309.95-20.97-23.98-PASS



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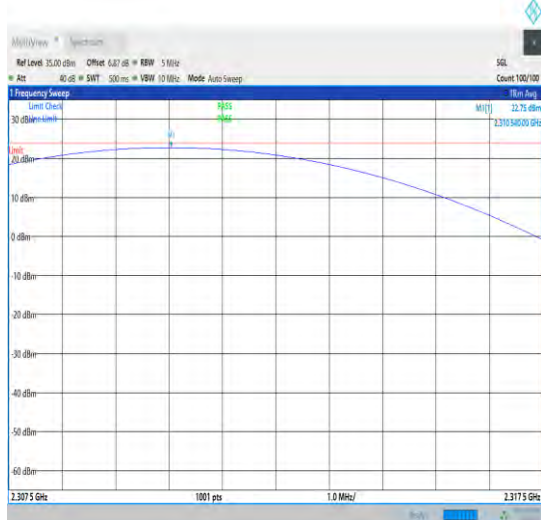
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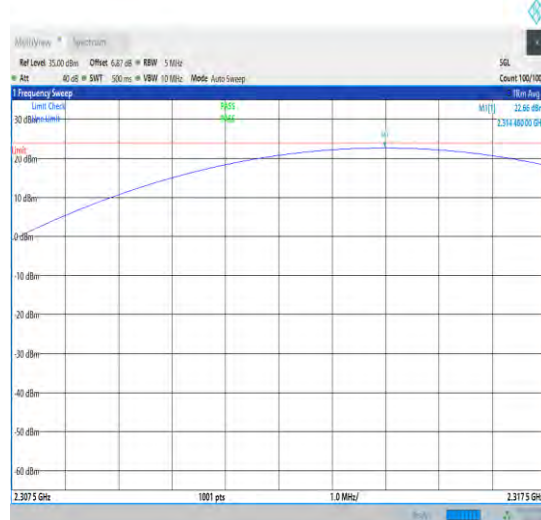
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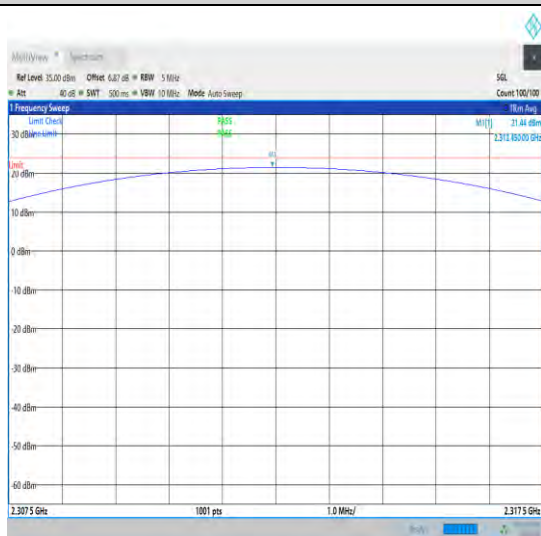
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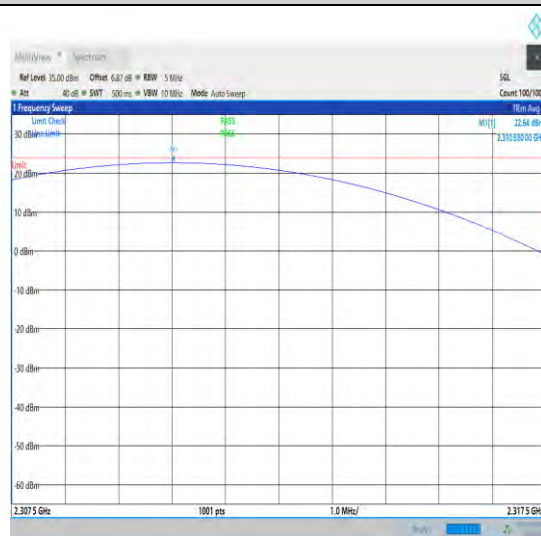
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1-N30-15-5-H-4-DFT-QPSK-Inner\_1RB\_Left-1@1-2  
307.5-2317.5-Ant1-2310.53-22.64-23.98-PASS



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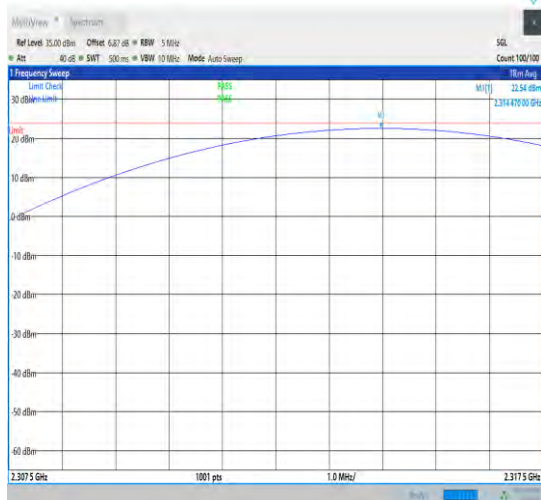
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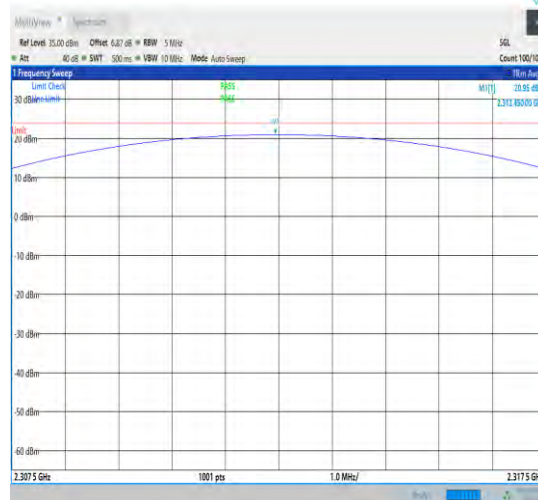
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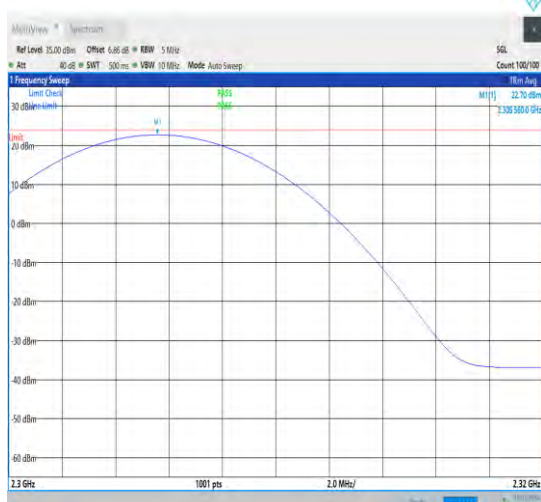
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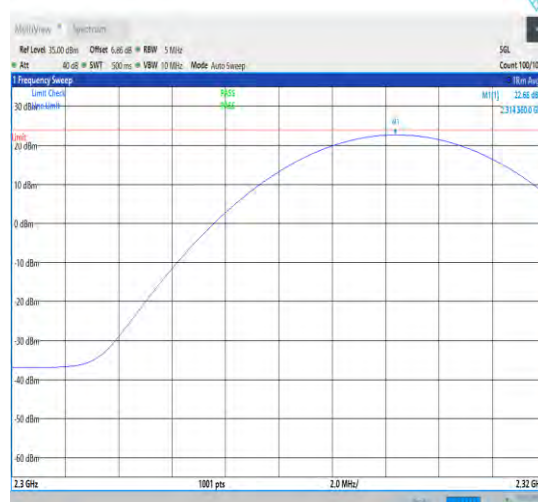
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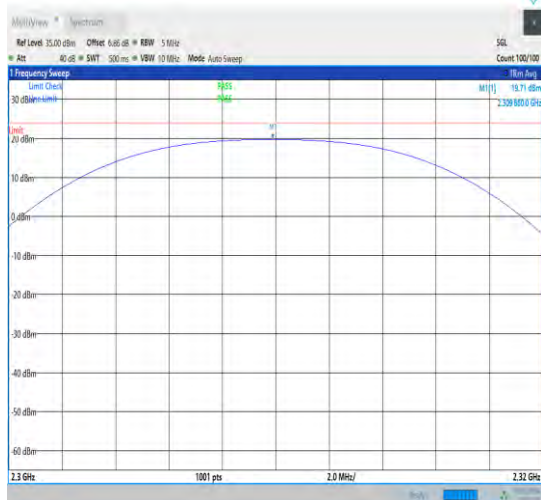
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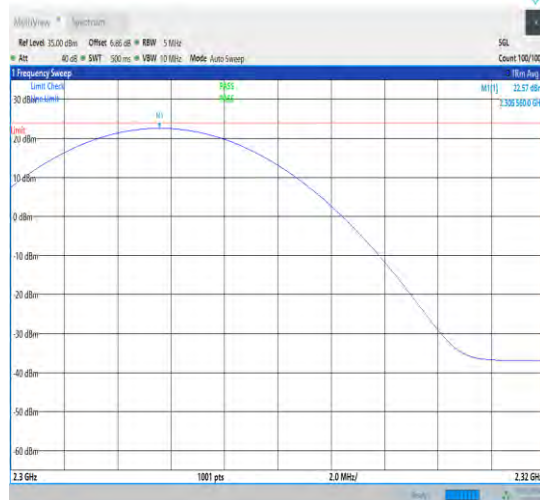
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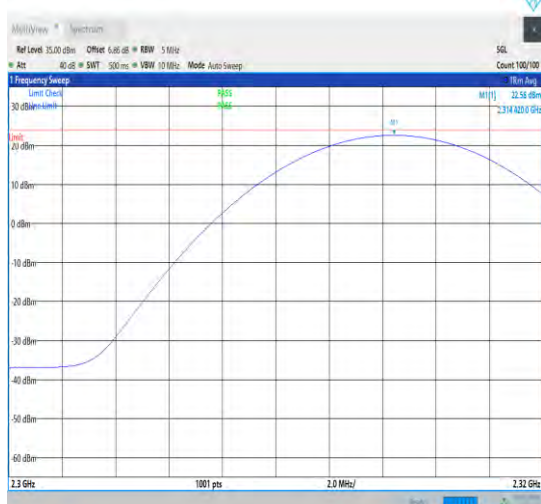
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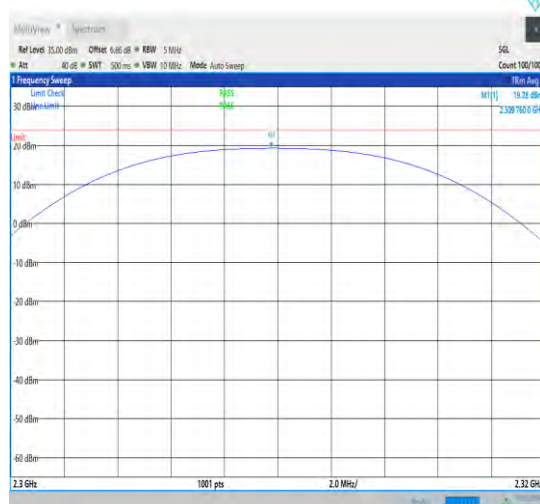
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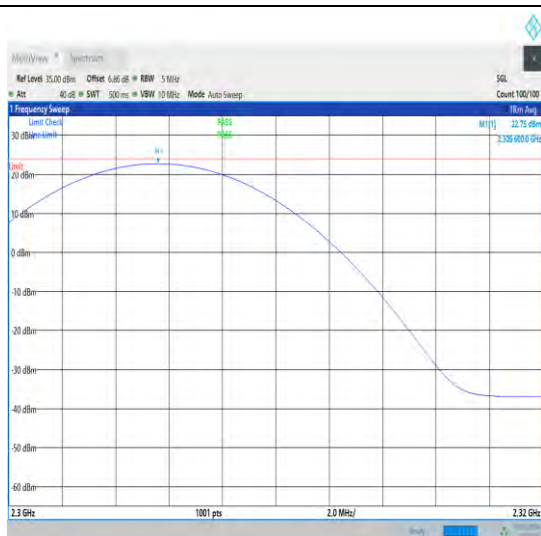
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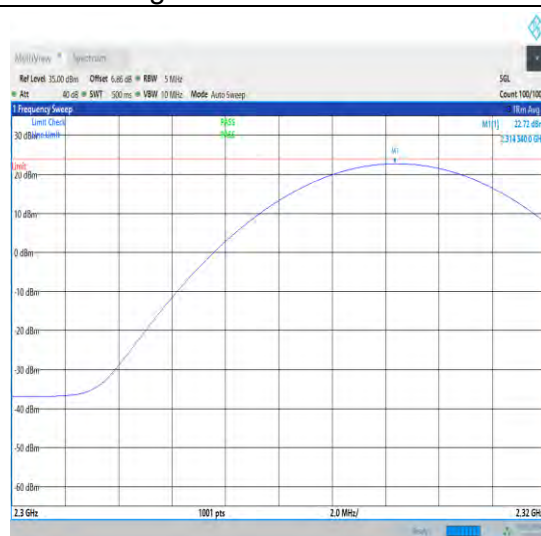
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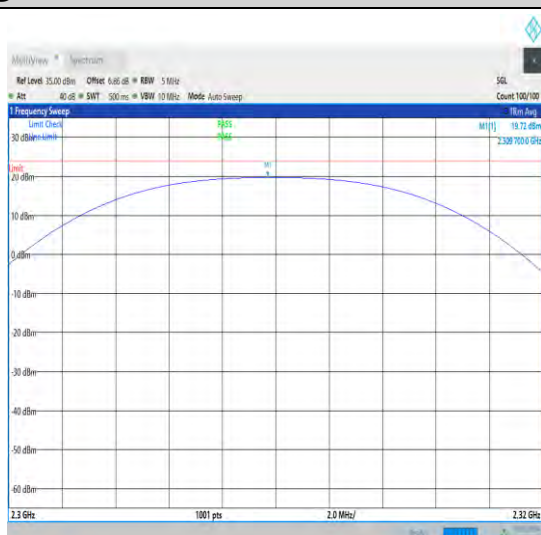
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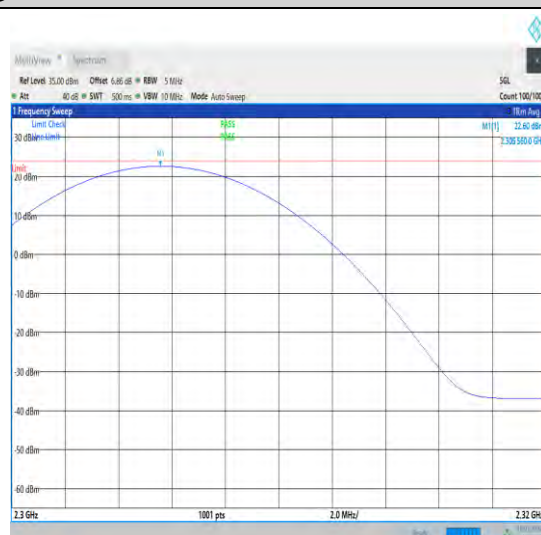
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1-N30-15-10-M-3-DFT-PI2BPSK-Outer\_Full-50@0-2  
300-2320-Ant1-2309.70-19.72-23.98-PASS



1-N30-15-10-M-4-DFT-QPSK-Inner\_1RB\_Left-1@1-  
2300-2320-Ant1-2305.56-22.60-23.98-PASS



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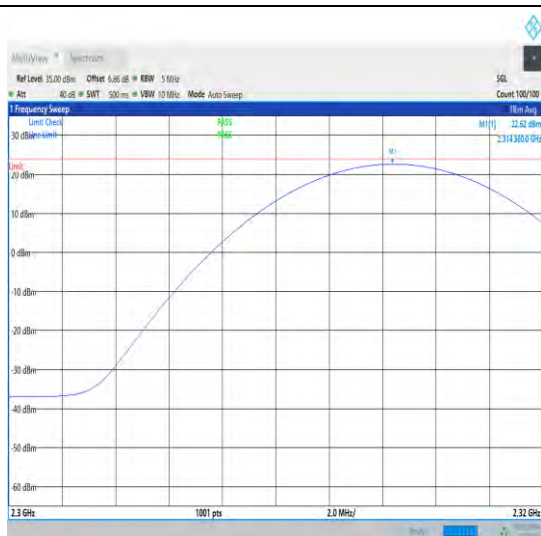
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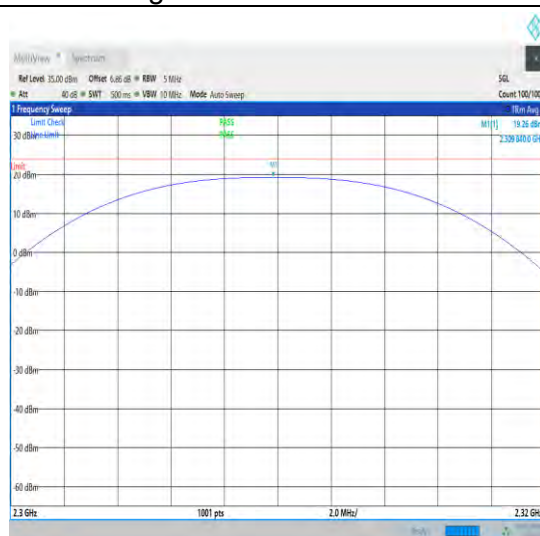
Report No.: SUCR240400008902

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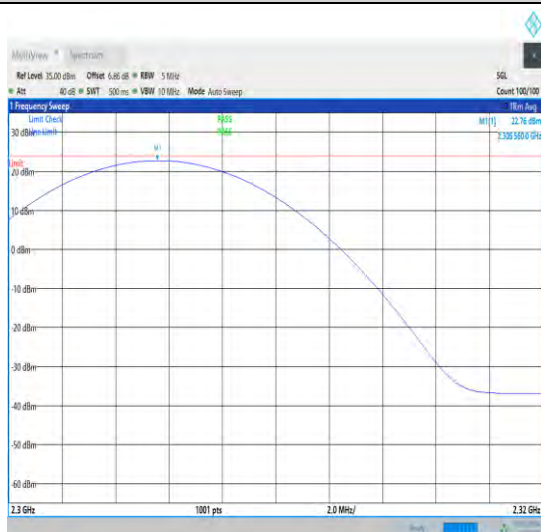
Page: 14 of 41



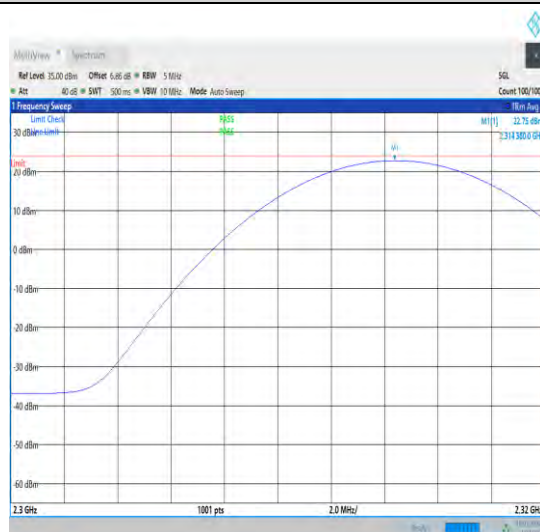
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1-N30-15-10-M-6-DFT-QPSK-Outer\_Full-50@0-230  
0-2320-Ant1-2309.84-19.26-23.98-PASS



1-N30-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@  
1-2300-2320-Ant1-2305.56-22.76-23.98-PASS



1-N30-15-10-H-2-DFT-PI2BPSK-Inner\_1RB\_Right-1  
@50-2300-2320-Ant1-2314.38-22.75-23.98-PASS



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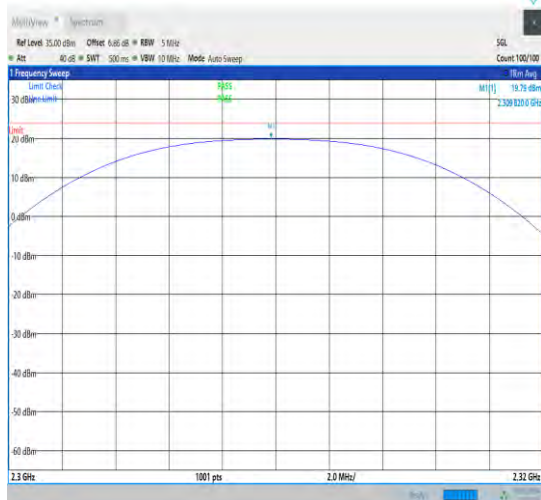
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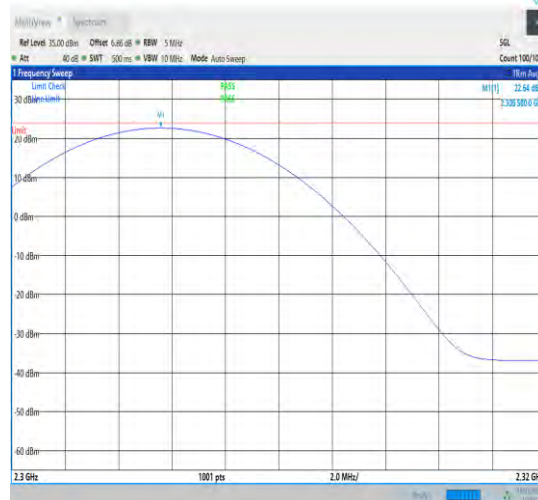
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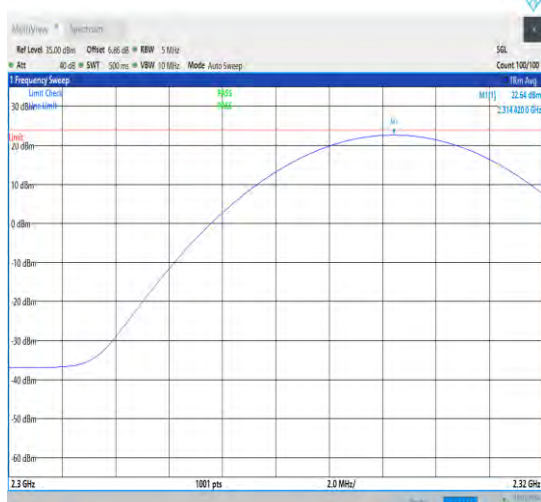
Page: 15 of 41



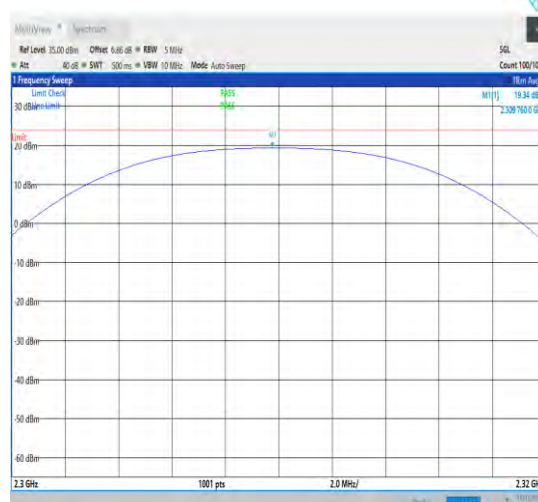
1-N30-15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-2  
300-2320-Ant1-2309.82-19.79-23.98-PASS



1-N30-15-10-H-4-DFT-QPSK-Inner\_1RB\_Left-1@1-  
2300-2320-Ant1-2305.58-22.64-23.98-PASS



1-N30-15-10-H-5-DFT-QPSK-Inner\_1RB\_Right-1@5  
0-2300-2320-Ant1-2314.42-22.64-23.98-PASS



1-N30-15-10-H-6-DFT-QPSK-Outer\_Full-50@0-2300  
-2320-Ant1-2309.76-19.34-23.98-PASS



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## Peak-to-Average Ratio for SA

## Peak-to-Average Ratio(CCDF)

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|------------|--------|-------|---------|
| N30  | 15  | 10        | DFT-256QAM | L       | Outer_Full | 6.33   | 13    | PASS    |
| N30  | 15  | 10        | CP-256QAM  | L       | Outer_Full | 8.66   | 13    | PASS    |
| N30  | 15  | 10        | DFT-256QAM | M       | Outer_Full | 8.41   | 13    | PASS    |
| N30  | 15  | 10        | CP-256QAM  | M       | Outer_Full | 8.45   | 13    | PASS    |
| N30  | 15  | 10        | DFT-256QAM | H       | Outer_Full | 8.31   | 13    | PASS    |
| N30  | 15  | 10        | CP-256QAM  | H       | Outer_Full | 8.66   | 13    | PASS    |



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### Test Graphs



1-N30-PC3-15-10-L-1-DFT-256QAM-Outer\_Full-50@  
0-16.95-16.95-19~27.5-PASS



1-N30-PC3-15-10-L-2-CP-256QAM-Outer\_Full-52@  
0-14.97-14.97-19~27.5-PASS



1-N30-PC3-15-10-M-1-DFT-256QAM-Outer\_Full-50  
@0-15.00-15.00-19~27.5-PASS



1-N30-PC3-15-10-M-2-CP-256QAM-Outer\_Full-52  
@0-14.99-14.99-19~27.5-PASS



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1-N30-PC3-15-10-H-1-DFT-256QAM-Outer\_Full-50  
@0-14.98-14.98-19~27.5-PASS



1-N30-PC3-15-10-H-2-CP-256QAM-Outer\_Full-52@  
0-15.00-15.00-19~27.5-PASS



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## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|------|-----|-----------|-------------|---------|------------|--------------|---------------|---------|
| N30  | 15  | 5         | DFT-QPSK    | M       | Outer_Full | 4.488        | 5.150         | PASS    |
| N30  | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full | 4.515        | 5.230         | PASS    |
| N30  | 15  | 5         | DFT-16QAM   | M       | Outer_Full | 4.541        | 5.270         | PASS    |
| N30  | 15  | 5         | DFT-64QAM   | M       | Outer_Full | 4.497        | 5.150         | PASS    |
| N30  | 15  | 5         | DFT-256QAM  | M       | Outer_Full | 4.496        | 5.200         | PASS    |
| N30  | 15  | 5         | CP-QPSK     | M       | Outer_Full | 4.524        | 5.270         | PASS    |
| N30  | 15  | 5         | CP-16QAM    | M       | Outer_Full | 4.54         | 5.320         | PASS    |
| N30  | 15  | 5         | CP-64QAM    | M       | Outer_Full | 4.534        | 5.290         | PASS    |
| N30  | 15  | 5         | CP-256QAM   | M       | Outer_Full | 4.523        | 5.370         | PASS    |
| N30  | 15  | 10        | DFT-QPSK    | M       | Outer_Full | 8.929        | 9.700         | PASS    |
| N30  | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | 8.91         | 9.640         | PASS    |
| N30  | 15  | 10        | DFT-16QAM   | M       | Outer_Full | 8.971        | 9.780         | PASS    |
| N30  | 15  | 10        | DFT-64QAM   | M       | Outer_Full | 8.935        | 9.580         | PASS    |
| N30  | 15  | 10        | DFT-256QAM  | M       | Outer_Full | 8.939        | 9.620         | PASS    |
| N30  | 15  | 10        | CP-QPSK     | M       | Outer_Full | 9.289        | 10.280        | PASS    |
| N30  | 15  | 10        | CP-16QAM    | M       | Outer_Full | 9.298        | 10.140        | PASS    |
| N30  | 15  | 10        | CP-64QAM    | M       | Outer_Full | 9.282        | 10.160        | PASS    |
| N30  | 15  | 10        | CP-256QAM   | M       | Outer_Full | 9.302        | 10.200        | PASS    |



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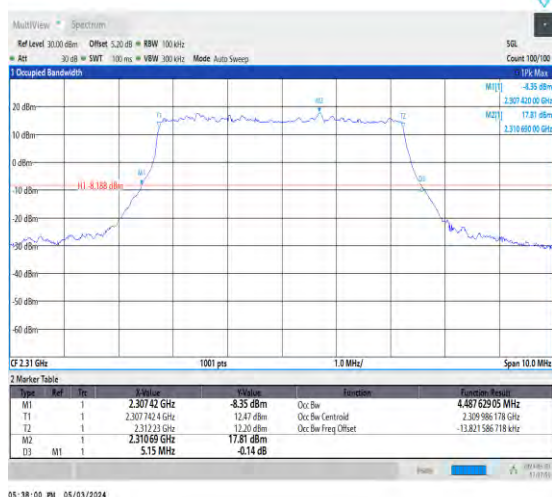
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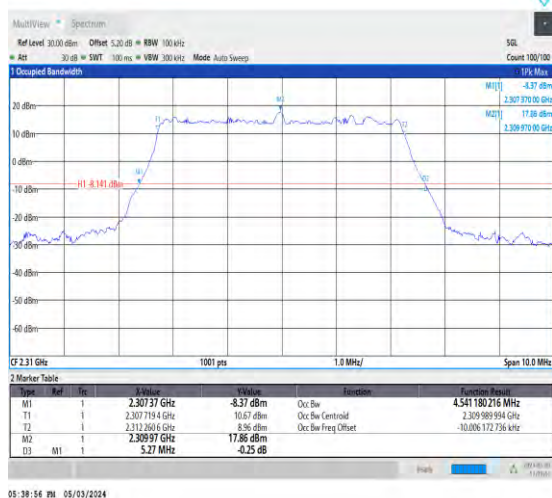
### Test Graphs



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1-N30-PC3-15-5-M-3-DFT-16QAM-Outet\_Full-25@0-Ant0-4.541-5.270-≤5-PASS



1-N30-PC3-15-5-M-4-DFT-64QAM-Outet\_Full-25@0-Ant0-4.497-5.150-≤5-PASS



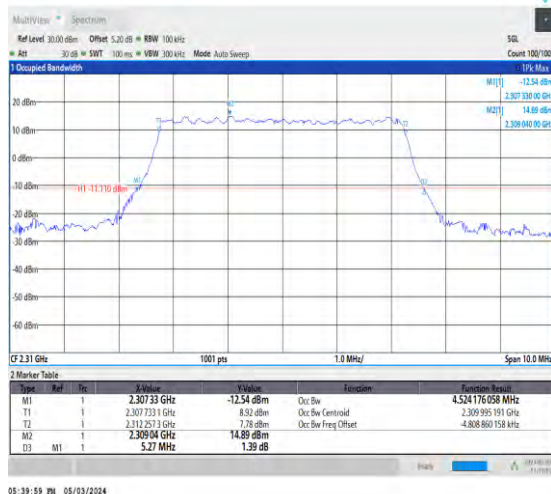
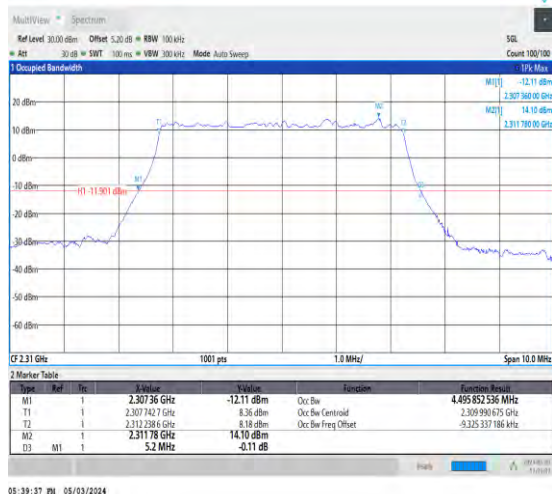
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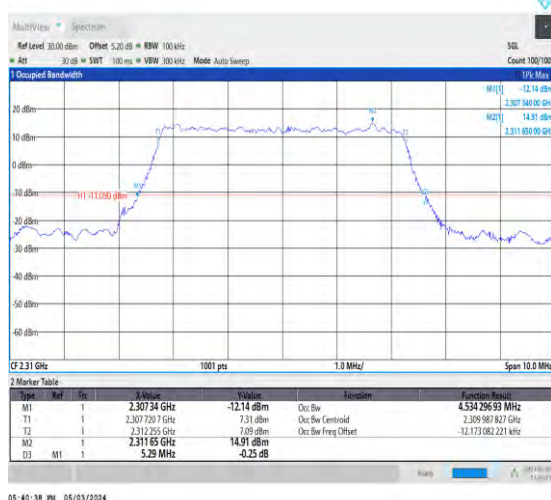
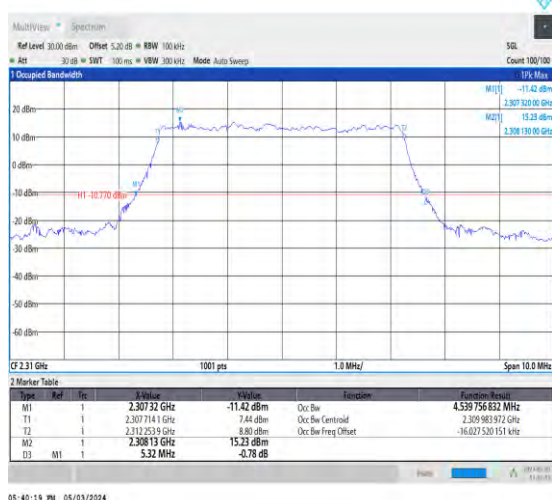
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1-N30-PC3-15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant0-4.524-5.270-≤5-PASS



1-N30-PC3-15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant0-4.54-5.320-≤5-PASS

1-N30-PC3-15-5-M-8-CP-64QAM-Outer\_Full-25@0-Ant0-4.534-5.290-≤5-PASS



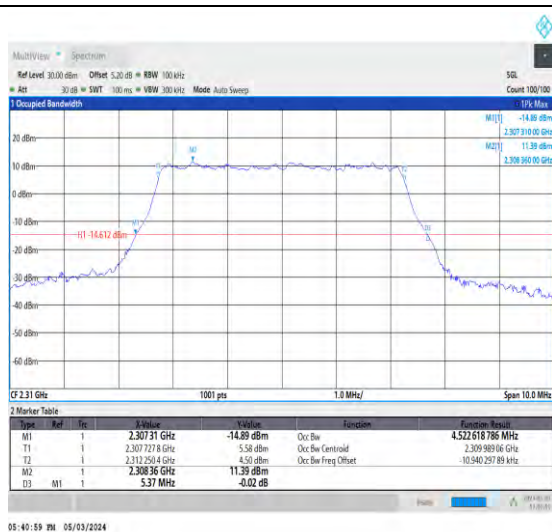
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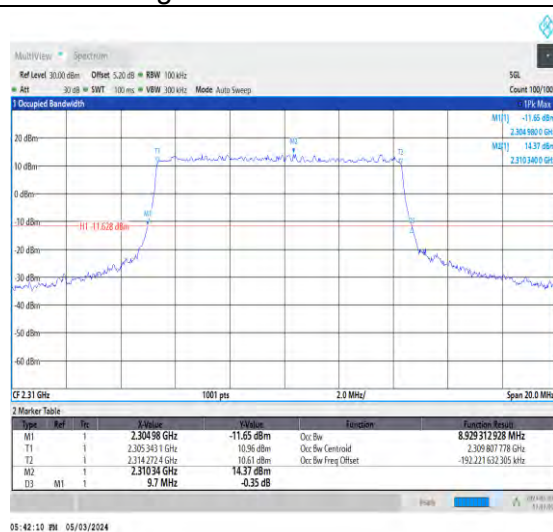
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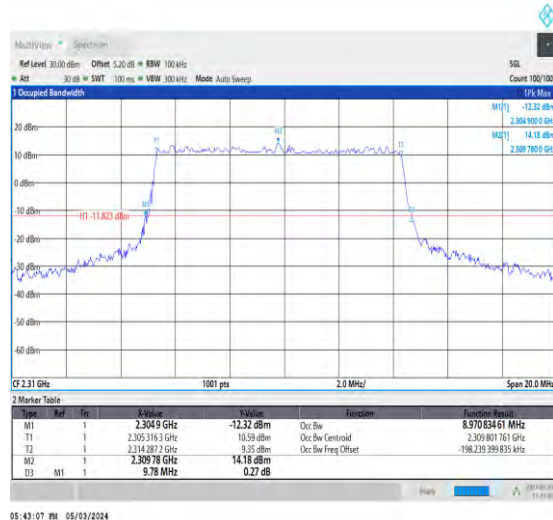
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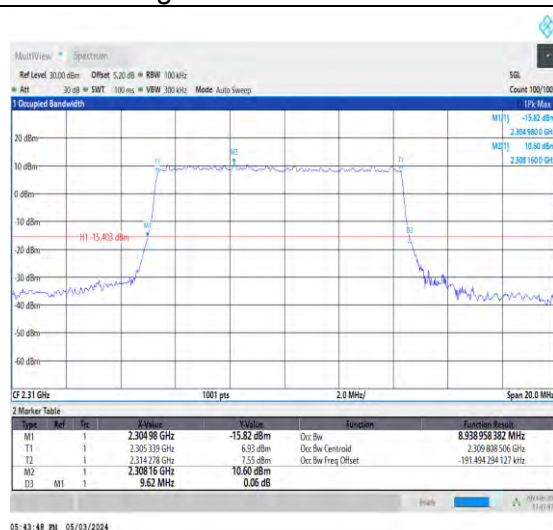
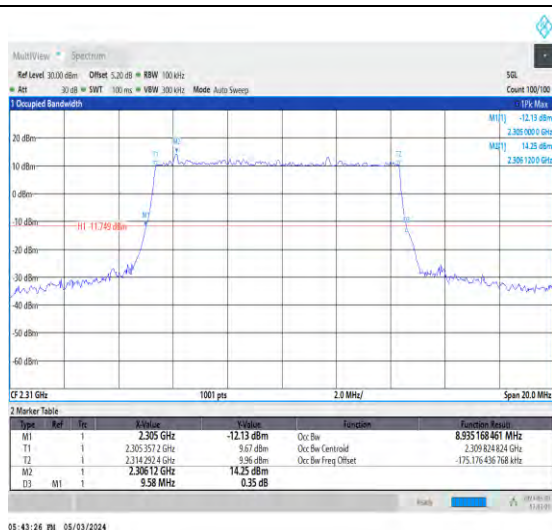
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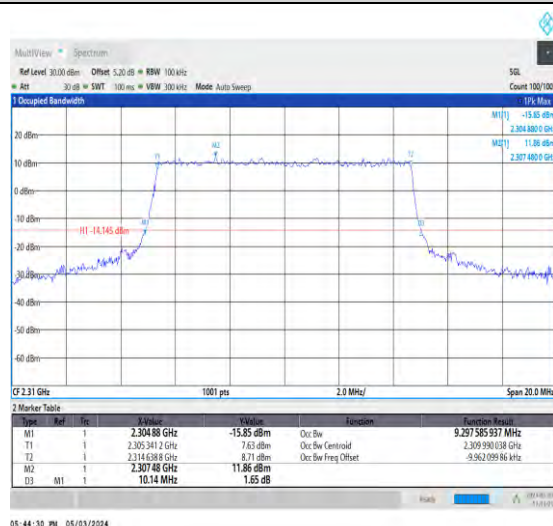
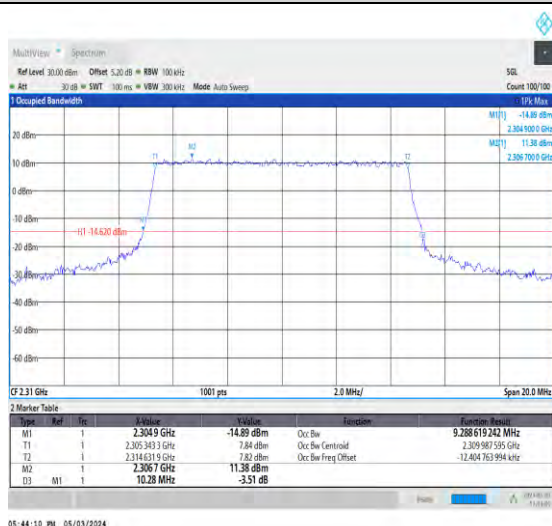
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1-N30-PC3-15-10-M-4-DFT-64QAM-Outer\_Full-50@  
0-Ant0-8.935-9.580-≤10-PASS

1-N30-PC3-15-10-M-5-DFT-256QAM-Outer\_Full-50  
@0-Ant0-8.939-9.620-≤10-PASS



1-N30-PC3-15-10-M-6-CP-QPSK-Outer\_Full-52@0-  
Ant0-9.289-10.280-≤10-PASS

1-N30-PC3-15-10-M-7-CP-16QAM-Outer\_Full-52@0  
-Ant0-9.298-10.140-≤10-PASS



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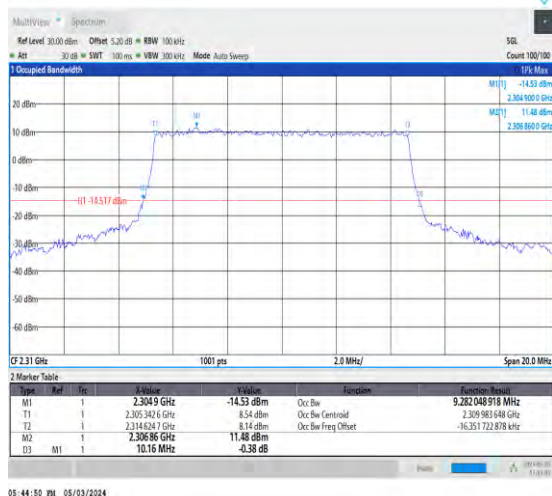
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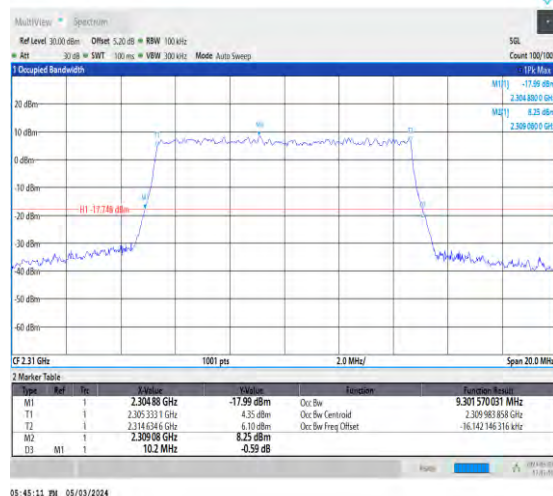
Report No.: SUCR240400008902

Rev.: 01

Page: 24 of 41



1-N30-PC3-15-10-M-8-CP-64QAM-Outer\_Full-52@0  
-Ant0-9.282-10.160≤10-PASS



1-N30-PC3-15-10-M-9-CP-256QAM-Outer\_Full-52@0  
0-Ant0-9.302-10.200≤10-PASS



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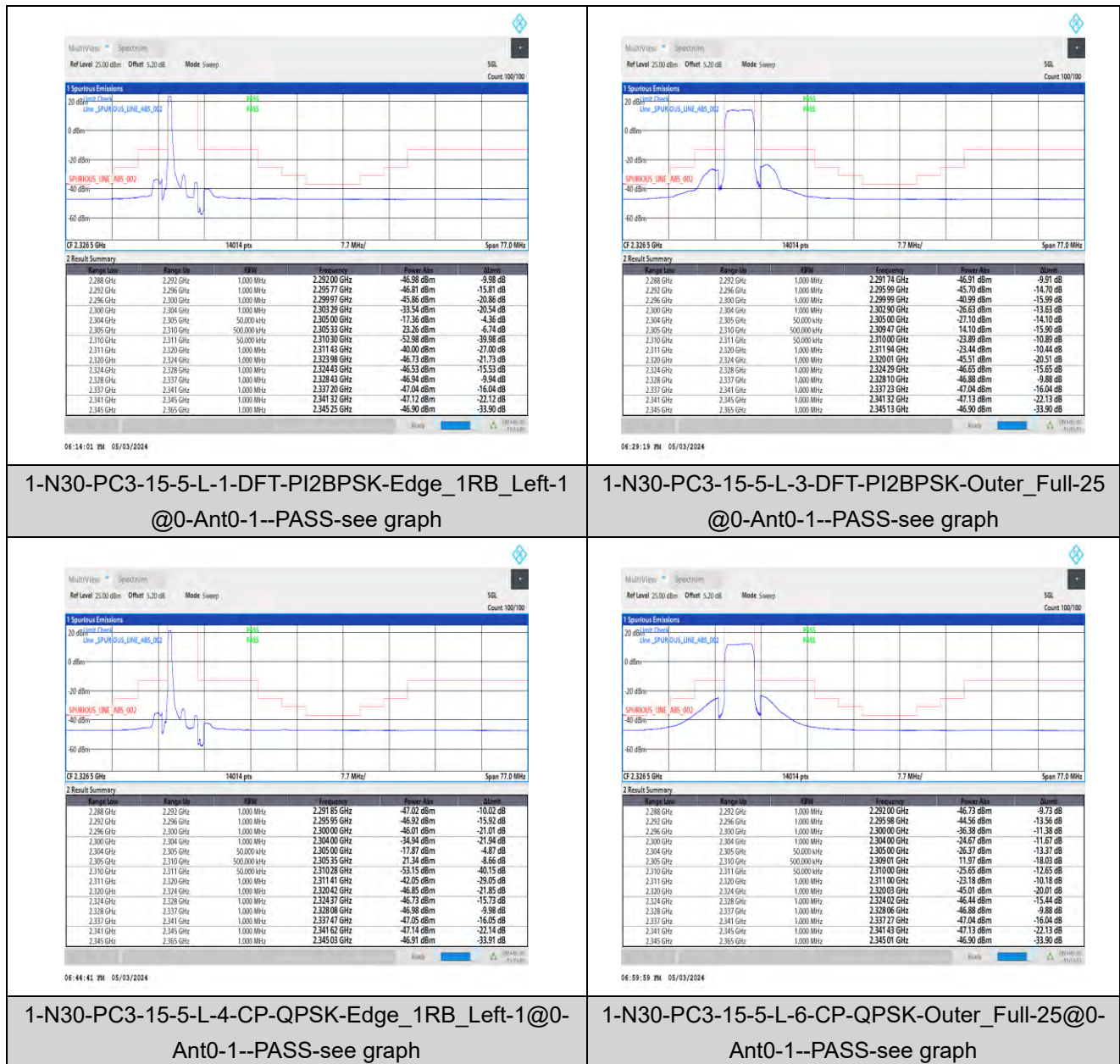
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## Band Edge for SA

## Test Graphs



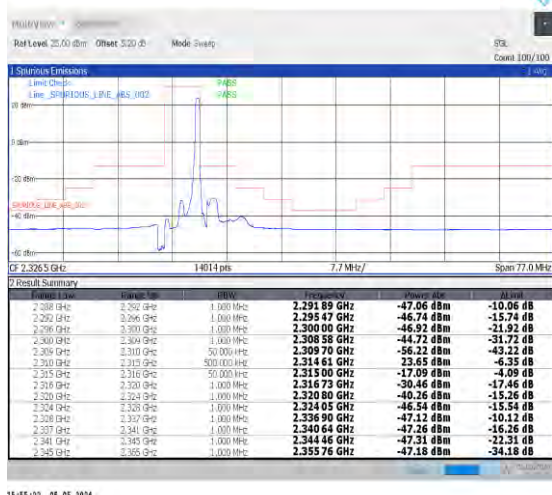
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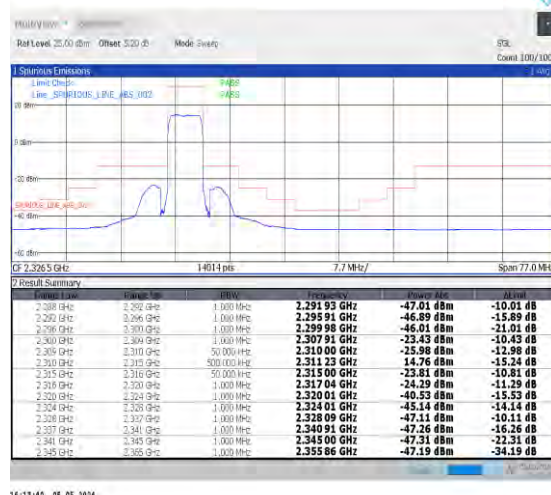
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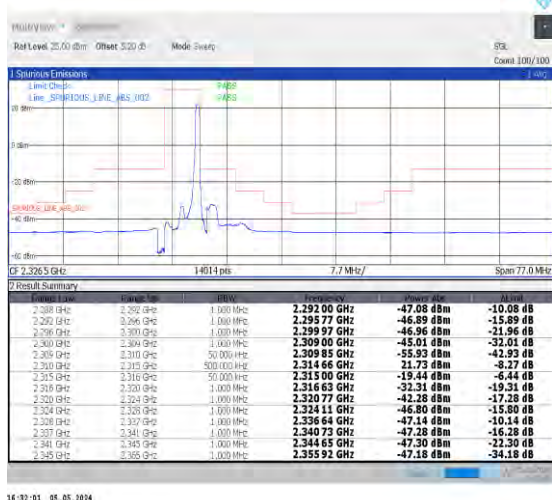
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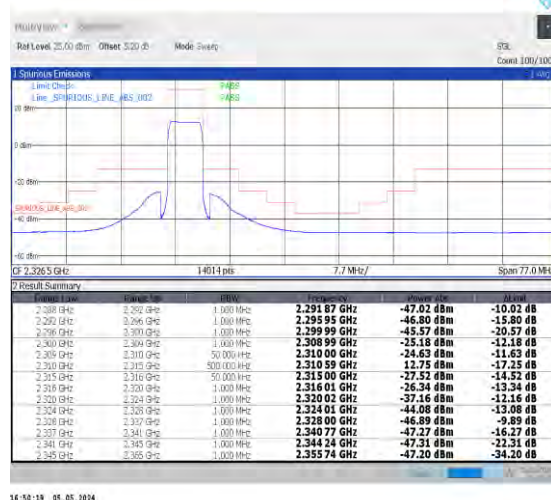
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1@24-Ant0-1--PASS-see graph



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@0-Ant0-1--PASS-see graph



1-N30-PC3-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@  
24-Ant0-1--PASS-see graph



1-N30-PC3-15-5-H-6-CP-QPSK-Outer\_Full-25@0-  
Ant0-1--PASS-see graph



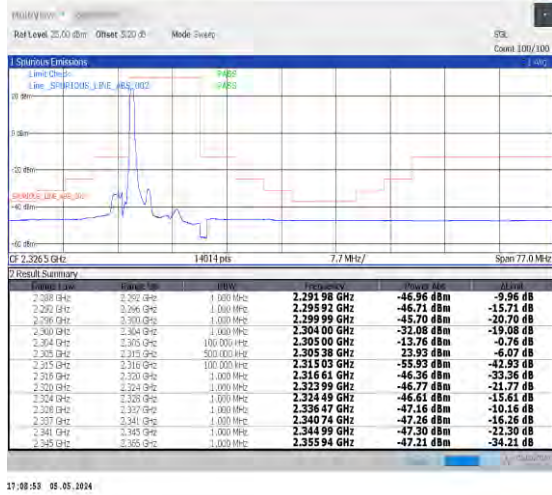
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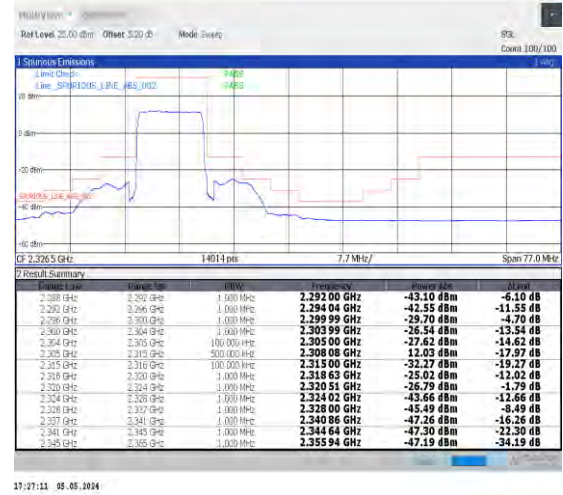
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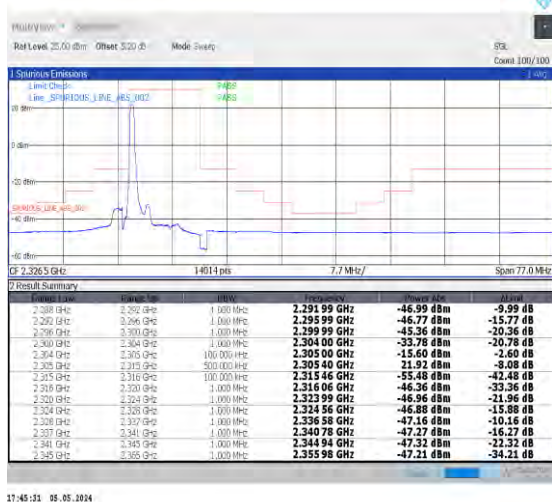
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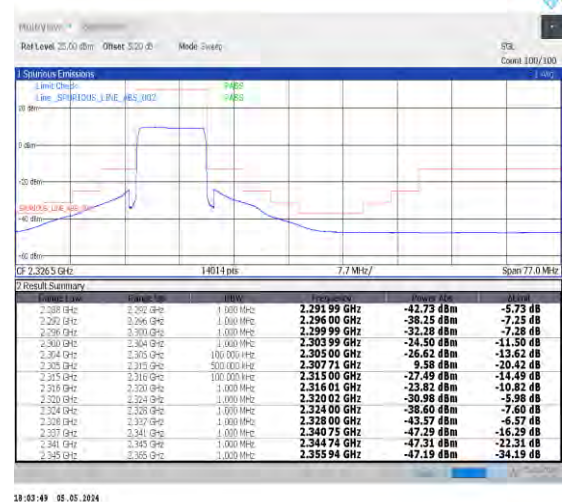
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17:05:35 05.05.2024

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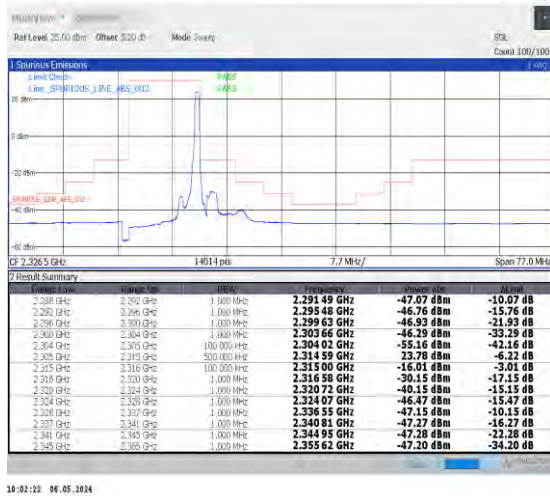
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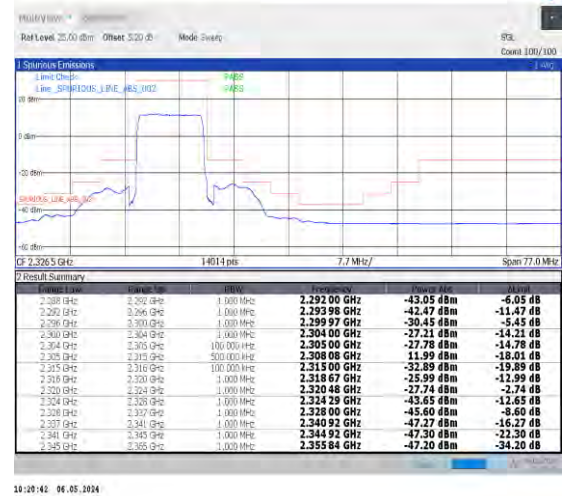
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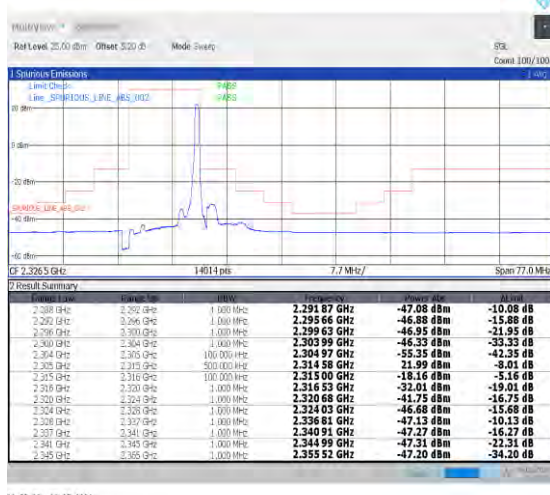
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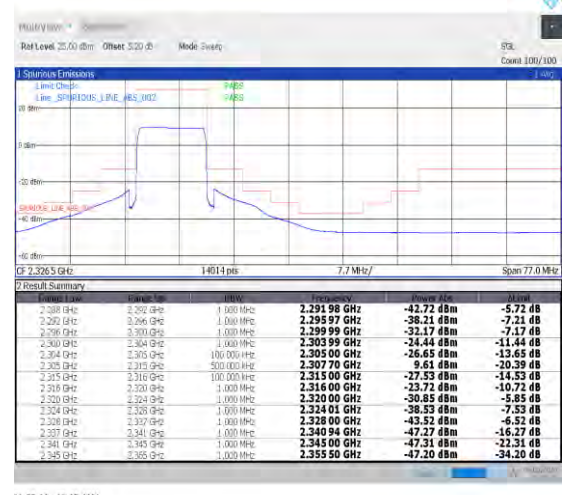
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10:39:02 06.05.2024

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10:51:20 06.05.2024

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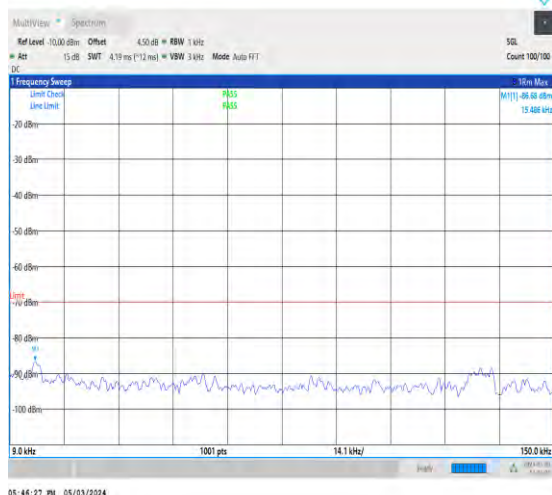
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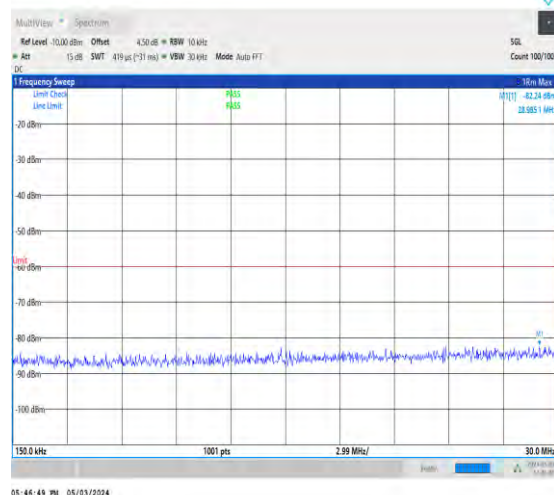
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Rev.: 01  
Page: 29 of 41

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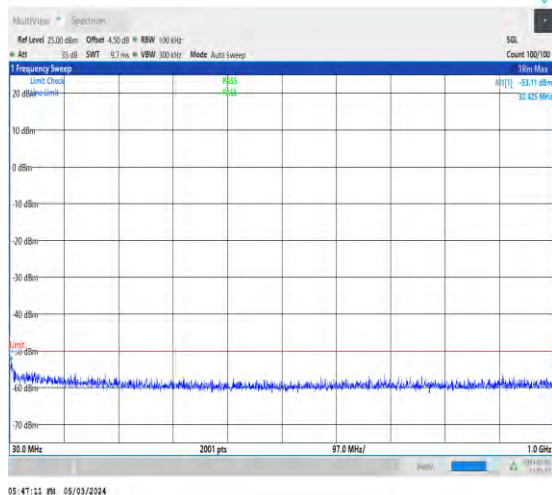
#### Test Graphs



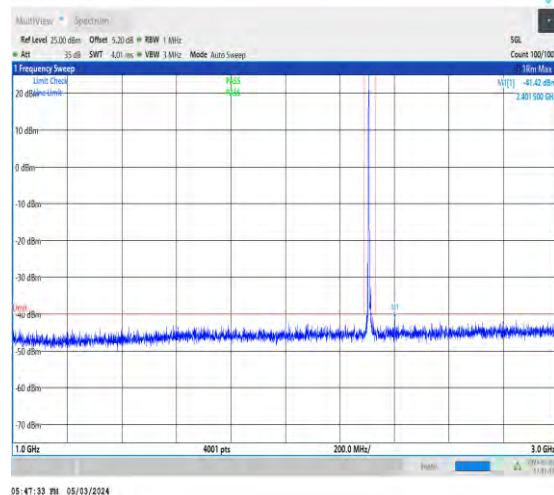
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ft-1@1-30-1000-Ant0-32.43--53.11--50-PASS



1-N30-PC3-15-10-L-1-DFT-PI2BPSK-Inner\_1RB\_Left  
-1@1-1000-3000-Ant0-2401.50--41.42--40-PASS



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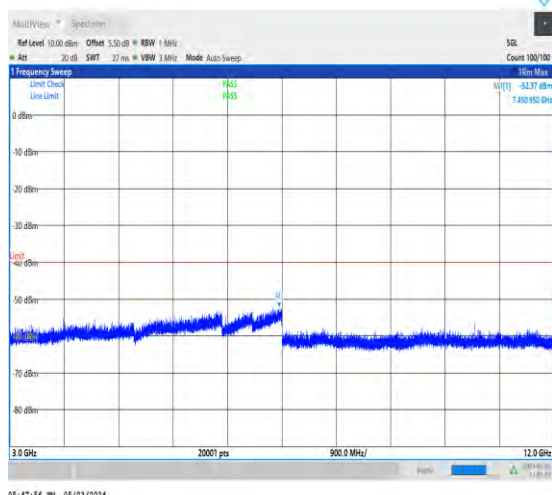
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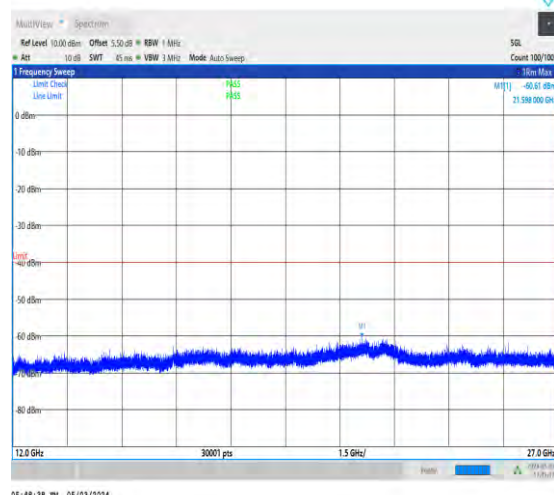
Report No.: SUCR240400008902

Rev.: 01

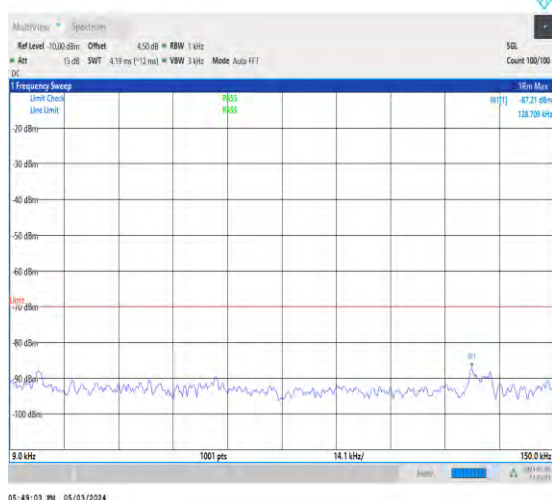
Page: 30 of 41



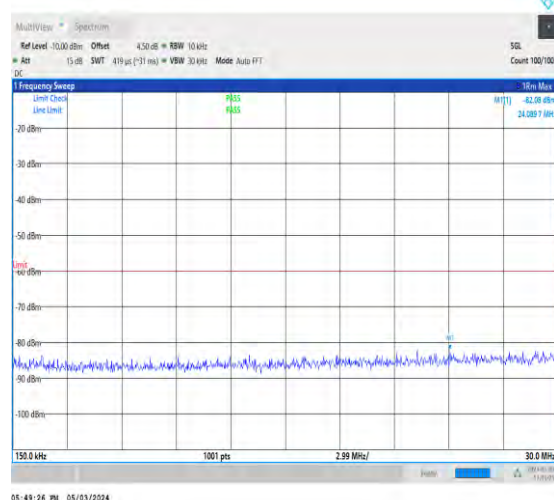
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1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant0-0.13--87.21--70-PASS



1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant0-24.09--82.08--60-PASS



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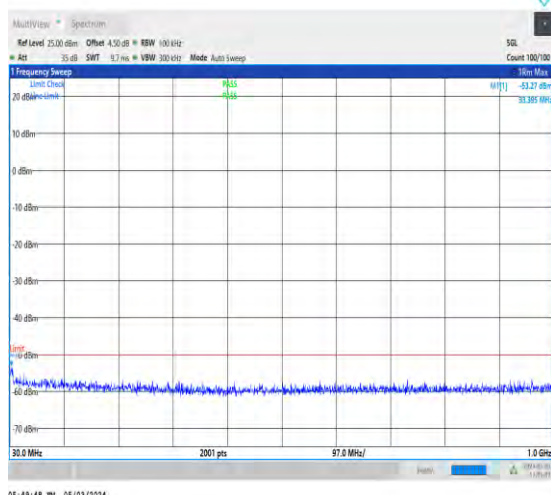
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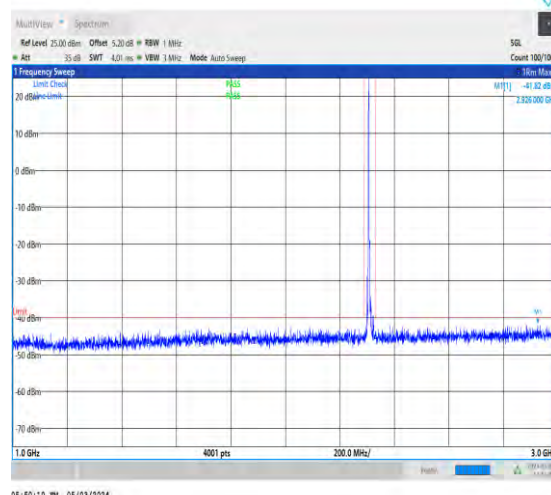
Report No.: SUCR240400008902

Rev.: 01

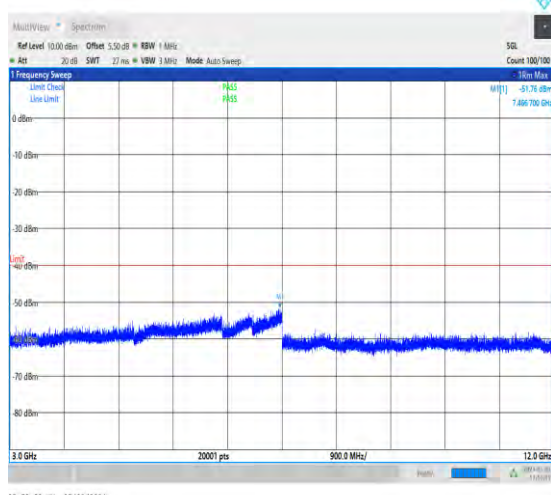
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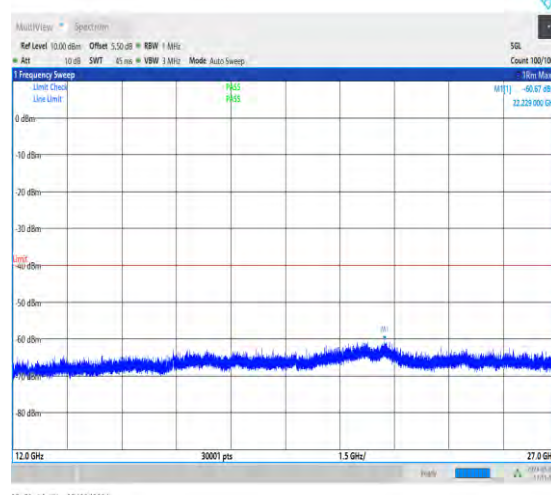
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1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_L ef  
t-1@1-1000-3000-Ant0-2926.00--41.82--40-PASS



1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_L  
eft-1@1-3000-12000-Ant0-7466.70--51.76--40-PAS  
S



1-N30-PC3-15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_L ef  
t-1@1-12000-27000-Ant0-22229.00--60.67--40-PASS



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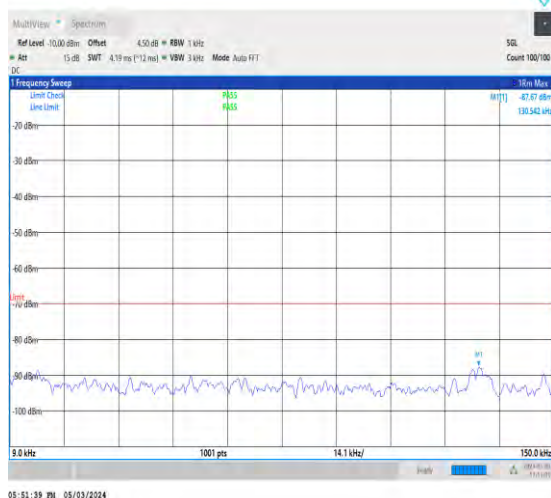
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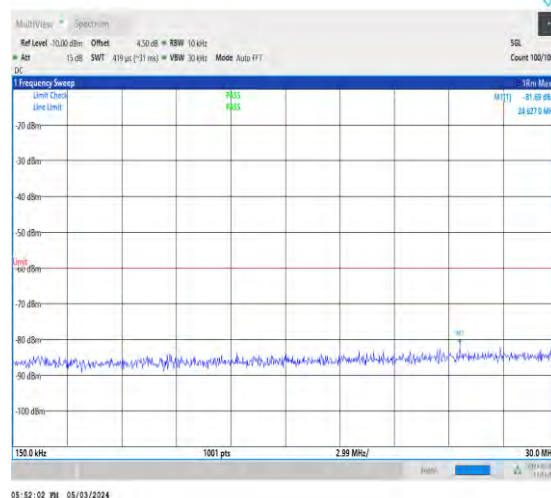
Report No.: SUCR240400008902

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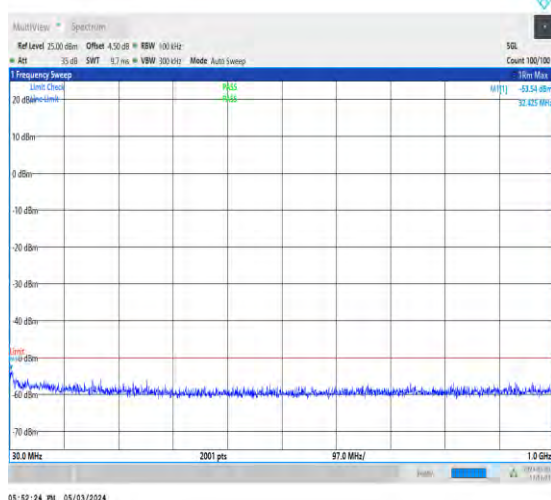
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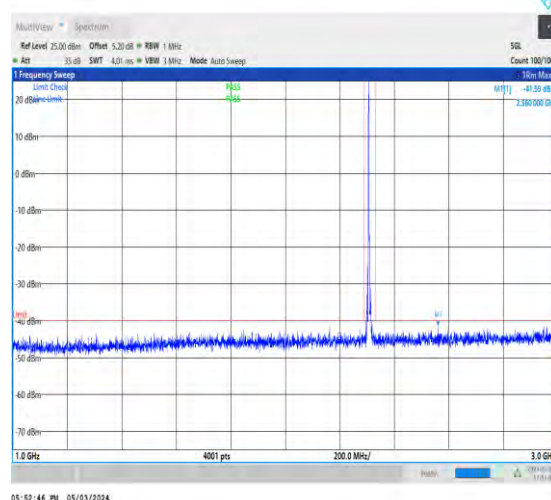
1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_L  
eft-1@1-0.009-0.15-Ant0-0.13--87.67--70-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_L ef  
t-1@1-0.15-30-Ant0-24.63--81.69--60-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_L  
eft-1@1-30-1000-Ant0-32.43--53.54--50-PASS



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_L ef  
t-1@1-1000-3000-Ant0-2560.00--41.59--40-PASS



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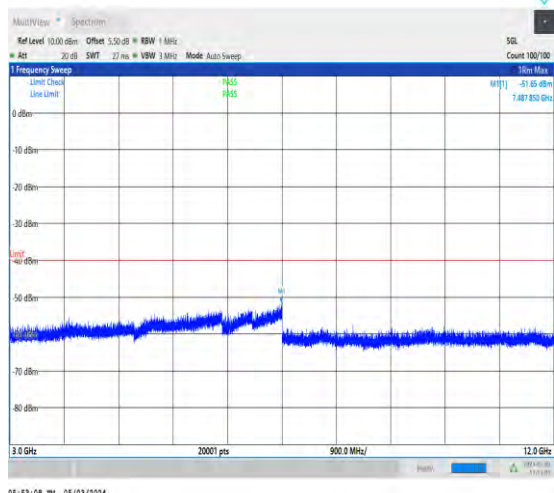
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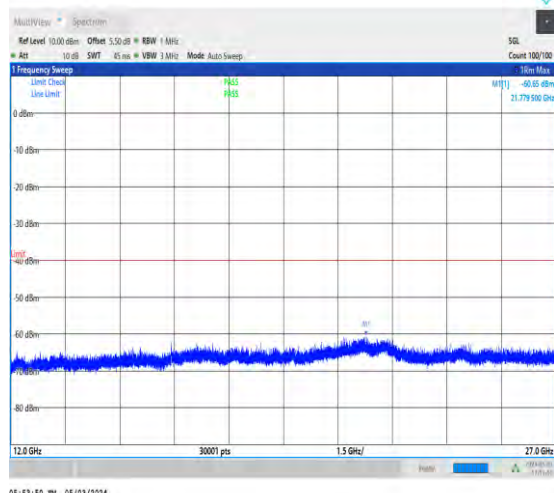
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1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_L  
eft-1@1-3000-12000-Ant0-7487.85--51.65--40-PAS  
S



1-N30-PC3-15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Lef  
t-1@1-12000-27000-Ant0-21779.50--60.65--40-PASS



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## Field Strength of Spurious Radiation

For report SUCR240400009002:

Test Band = SA\_N30\_10MHz

Test Channel = MCH

| Final Data List |                |                   |                |          |                |                |                |            |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1               | 3628.5         | 54.07             | -49.52         | 30.31    | -60.40         | -40.00         | 20.40          | Horizontal |
| 2               | 5096           | 52.73             | -47.47         | 33.49    | -56.51         | -40.00         | 16.51          | Horizontal |
| 3               | 6936           | 50.79             | -44.44         | 36.34    | -52.57         | -40.00         | 12.57          | Horizontal |
| 4               | 8545.5         | 48.70             | -41.45         | 38.99    | -49.02         | -40.00         | 9.02           | Horizontal |
| 5               | 11472.5        | 47.64             | -38.33         | 39.56    | -46.39         | -40.00         | 6.39           | Horizontal |
| 6               | 16392          | 48.24             | -35.58         | 38.22    | -44.38         | -40.00         | 4.38           | Horizontal |

| Final Data List |                |                   |                |          |                |                |                |          |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1               | 3650           | 54.24             | -49.50         | 30.40    | -60.12         | -40.00         | 20.12          | Vertical |
| 2               | 4030.5         | 53.90             | -48.98         | 30.98    | -59.36         | -40.00         | 19.36          | Vertical |
| 3               | 6642.5         | 51.17             | -44.69         | 36.00    | -52.78         | -40.00         | 12.78          | Vertical |
| 4               | 8544.5         | 48.79             | -41.47         | 38.97    | -48.97         | -40.00         | 8.97           | Vertical |
| 5               | 9512           | 49.75             | -40.73         | 39.18    | -47.06         | -40.00         | 7.06           | Vertical |
| 6               | 16399.5        | 47.63             | -35.42         | 38.20    | -44.85         | -40.00         | 4.85           | Vertical |



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Test Band = NSA\_B12+N30

Test Channel = MCH

| Final Data List |                |                   |                |          |                |                |                |            |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1               | 3618           | 54.50             | -49.53         | 30.27    | -60.02         | -40.00         | 20.02          | Horizontal |
| 2               | 4627           | 52.68             | -47.84         | 32.05    | -58.37         | -40.00         | 18.37          | Horizontal |
| 3               | 6245           | 51.25             | -45.18         | 34.38    | -54.81         | -40.00         | 14.81          | Horizontal |
| 4               | 8539           | 49.78             | -41.58         | 38.84    | -48.22         | -40.00         | 8.22           | Horizontal |
| 5               | 11075          | 47.73             | -39.20         | 39.43    | -47.30         | -40.00         | 7.30           | Horizontal |
| 6               | 16020.5        | 47.43             | -35.50         | 38.18    | -45.15         | -40.00         | 5.15           | Horizontal |

| Final Data List |                |                   |                |          |                |                |                |          |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1               | 3293.5         | 53.06             | -50.57         | 30.69    | -62.08         | -40.00         | 22.08          | Vertical |
| 2               | 4251           | 52.98             | -48.41         | 32.09    | -58.60         | -40.00         | 18.60          | Vertical |
| 3               | 6064           | 51.81             | -45.74         | 34.43    | -54.76         | -40.00         | 14.76          | Vertical |
| 4               | 8054           | 50.43             | -42.82         | 37.59    | -50.06         | -40.00         | 10.06          | Vertical |
| 5               | 11328.5        | 48.22             | -38.69         | 39.63    | -46.10         | -40.00         | 6.10           | Vertical |
| 6               | 17132.5        | 47.68             | -36.96         | 38.27    | -46.27         | -40.00         | 6.27           | 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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**For report SUCR240400008902:**
**Test Band = SA Band 30 BW 10M\_ TM1**
**Test Channel = Mid Channel**

| Final Data List |                    |                   |                |          |                |                |                |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1               | 4611               | 39.24             | -41.60         | 32.34    | -65.27         | -40.00         | 25.27          | Horizontal |
| 2               | 6916.77            | 33.96             | -38.34         | 35.97    | -63.67         | -40.00         | 23.67          | Horizontal |
| 3               | 9222.36            | 30.75             | -34.37         | 37.67    | -61.21         | -40.00         | 21.21          | Horizontal |
| 4               | 11527.95           | 30.01             | -29.93         | 38.40    | -56.78         | -40.00         | 16.78          | Horizontal |
| 5               | 13833.54           | 29.35             | -29.31         | 40.18    | -55.04         | -40.00         | 15.04          | Horizontal |
| 6               | 16139.13           | 28.89             | -27.16         | 38.30    | -55.23         | -40.00         | 15.23          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1               | 4611               | 41.43             | -41.60         | 32.34    | -63.08         | -40.00         | 23.08          | Vertical |
| 2               | 6916.77            | 32.58             | -38.34         | 35.97    | -65.05         | -40.00         | 25.05          | Vertical |
| 3               | 9222.36            | 29.93             | -34.37         | 37.67    | -62.03         | -40.00         | 22.03          | Vertical |
| 4               | 11527.95           | 27.44             | -29.93         | 38.40    | -59.35         | -40.00         | 19.35          | Vertical |
| 5               | 13833.54           | 29.00             | -29.31         | 40.18    | -55.39         | -40.00         | 15.39          | Vertical |
| 6               | 16139.13           | 28.87             | -27.16         | 38.30    | -55.25         | -40.00         | 15.25          | Vertical |



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Test Band = SA Band 30 BW 5M\_ TM1

Test Channel = Low Channel

| Final Data List |                    |                   |                |          |                |                |                |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1               | 4610.68            | 37.42             | -41.60         | 32.34    | -67.09         | -40.00         | 27.09          | Horizontal |
| 2               | 6916.02            | 32.94             | -38.34         | 35.97    | -64.69         | -40.00         | 24.69          | Horizontal |
| 3               | 9221.36            | 29.82             | -34.37         | 37.67    | -62.15         | -40.00         | 22.15          | Horizontal |
| 4               | 11526.7            | 27.91             | -29.93         | 38.40    | -58.88         | -40.00         | 18.88          | Horizontal |
| 5               | 13832.04           | 28.98             | -29.31         | 40.18    | -55.41         | -40.00         | 15.41          | Horizontal |
| 6               | 16137.38           | 27.85             | -27.16         | 38.30    | -56.27         | -40.00         | 16.27          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1               | 4610.68            | 40.11             | -41.60         | 32.34    | -64.40         | -40.00         | 24.40          | Vertical |
| 2               | 6916.02            | 33.71             | -38.34         | 35.97    | -63.92         | -40.00         | 23.92          | Vertical |
| 3               | 9221.36            | 29.09             | -34.37         | 37.67    | -62.88         | -40.00         | 22.88          | Vertical |
| 4               | 11526.7            | 26.99             | -29.93         | 38.40    | -59.80         | -40.00         | 19.80          | Vertical |
| 5               | 13832.04           | 28.41             | -29.31         | 40.18    | -55.98         | -40.00         | 15.98          | Vertical |
| 6               | 16137.38           | 28.65             | -27.16         | 38.30    | -55.47         | -40.00         | 15.47          | Vertical |



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Test Band = SA Band 30 BW 5M\_ TM1

Test Channel = Mid Channel

| Final Data List |                    |                   |                |          |                |                |                |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1               | 4615.68            | 36.47             | -41.59         | 32.36    | -68.03         | -40.00         | 28.03          | Horizontal |
| 2               | 6923.52            | 33.29             | -38.34         | 35.97    | -64.34         | -40.00         | 24.34          | Horizontal |
| 3               | 9231.36            | 30.02             | -34.34         | 37.67    | -61.92         | -40.00         | 21.92          | Horizontal |
| 4               | 11539.2            | 27.64             | -29.90         | 38.40    | -59.12         | -40.00         | 19.12          | Horizontal |
| 5               | 13847.04           | 28.60             | -29.29         | 40.19    | -55.76         | -40.00         | 15.76          | Horizontal |
| 6               | 16154.88           | 28.09             | -27.14         | 38.31    | -56.00         | -40.00         | 16.00          | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1               | 4615.5             | 39.11             | -41.59         | 32.35    | -65.39         | -40.00         | 25.39          | Vertical |
| 2               | 6923.52            | 32.81             | -38.34         | 35.97    | -64.82         | -40.00         | 24.82          | Vertical |
| 3               | 9231.36            | 29.11             | -34.34         | 37.67    | -62.83         | -40.00         | 22.83          | Vertical |
| 4               | 11539.2            | 27.77             | -29.90         | 38.40    | -58.99         | -40.00         | 18.99          | Vertical |
| 5               | 13847.04           | 28.60             | -29.29         | 40.19    | -55.76         | -40.00         | 15.76          | Vertical |
| 6               | 16154.88           | 28.84             | -27.14         | 38.31    | -55.25         | -40.00         | 15.25          | Vertical |



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**Test Band = SA Band 30 BW 5M\_ TM1**
**Test Channel = High Channel**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 4620.68         | 35.93          | -41.59      | 32.37    | -68.55      | -40.00      | 28.55       | Horizontal |
| 2               | 6931.02         | 32.31          | -38.35      | 35.97    | -65.32      | -40.00      | 25.32       | Horizontal |
| 3               | 9241.32         | 29.51          | -34.32      | 37.67    | -62.40      | -40.00      | 22.40       | Horizontal |
| 4               | 11551.7         | 27.49          | -29.88      | 38.40    | -59.25      | -40.00      | 19.25       | Horizontal |
| 5               | 13862.04        | 28.76          | -29.27      | 40.20    | -55.56      | -40.00      | 15.56       | Horizontal |
| 6               | 16172.38        | 29.00          | -27.12      | 38.32    | -55.06      | -40.00      | 15.06       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 4620.68         | 36.65          | -41.59      | 32.37    | -67.83      | -40.00      | 27.83       | Vertical |
| 2               | 6931.02         | 32.09          | -38.35      | 35.97    | -65.54      | -40.00      | 25.54       | Vertical |
| 3               | 9241.32         | 28.68          | -34.32      | 37.67    | -63.23      | -40.00      | 23.23       | Vertical |
| 4               | 11551.7         | 27.10          | -29.88      | 38.40    | -59.64      | -40.00      | 19.64       | Vertical |
| 5               | 13862.04        | 28.36          | -29.27      | 40.20    | -55.96      | -40.00      | 15.96       | Vertical |
| 6               | 16172.38        | 28.53          | -27.12      | 38.32    | -55.53      | -40.00      | 15.53       | 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

| Voltage |     |           |             |         |            |         |             |               |                 |         |
|---------|-----|-----------|-------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band    | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N30     | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VH      | NT          | -7.400000     | -0.003203       | PASS    |
| N30     | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VN      | NT          | -1.000000     | -0.000433       | PASS    |
| N30     | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | VL      | NT          | -7.600000     | -0.003290       | PASS    |
| N30     | 15  | 10        | CP-QPSK     | M       | Outer_Full | VH      | NT          | -6.400000     | -0.002771       | PASS    |
| N30     | 15  | 10        | CP-QPSK     | M       | Outer_Full | VN      | NT          | -4.700000     | -0.002035       | PASS    |
| N30     | 15  | 10        | CP-QPSK     | M       | Outer_Full | VL      | NT          | -2.800000     | -0.001212       | PASS    |



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## Frequency Error VS. Temperature

| Temperature |     |           |             |         |            |         |             |               |                 |         |
|-------------|-----|-----------|-------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band        | SCS | Bandwidth | Modulation  | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 50          | -5.500000     | -0.002381       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -20         | -0.500000     | -0.000216       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -10         | -5.100000     | -0.002208       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 0           | -8.300000     | -0.003593       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 10          | 2.300000      | 0.000996        | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 20          | -1.700000     | -0.000736       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 30          | -2.500000     | -0.001082       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | -30         | -5.600000     | -0.002424       | PASS    |
| N30         | 15  | 10        | DFT-PI2BPSK | M       | Outer_Full | NV      | 40          | 1.100000      | 0.000476        | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 50          | -7.400000     | -0.003203       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -20         | -4.200000     | -0.001818       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -10         | -6.200000     | -0.002684       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 0           | 1.000000      | 0.000433        | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 10          | -4.900000     | -0.002121       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 20          | 0.000000      | 0.000000        | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 30          | -2.700000     | -0.001169       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | 40          | -7.400000     | -0.003203       | PASS    |
| N30         | 15  | 10        | CP-QPSK     | M       | Outer_Full | NV      | -30         | -6.400000     | -0.002771       | PASS    |

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