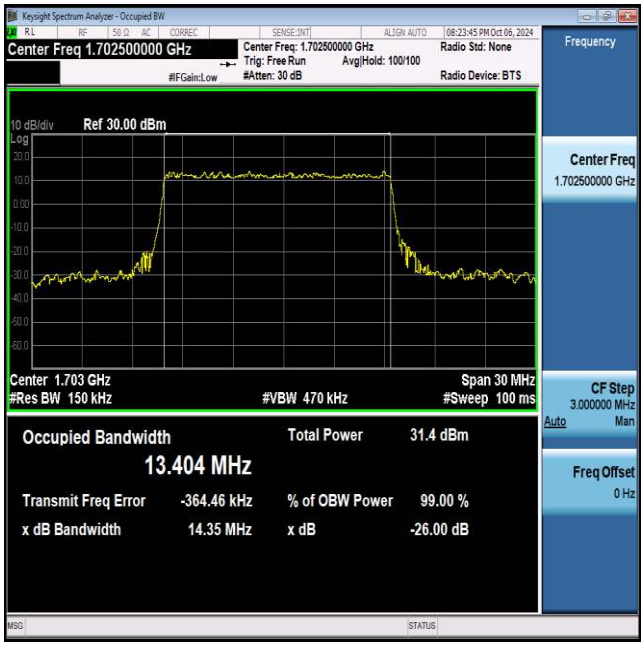


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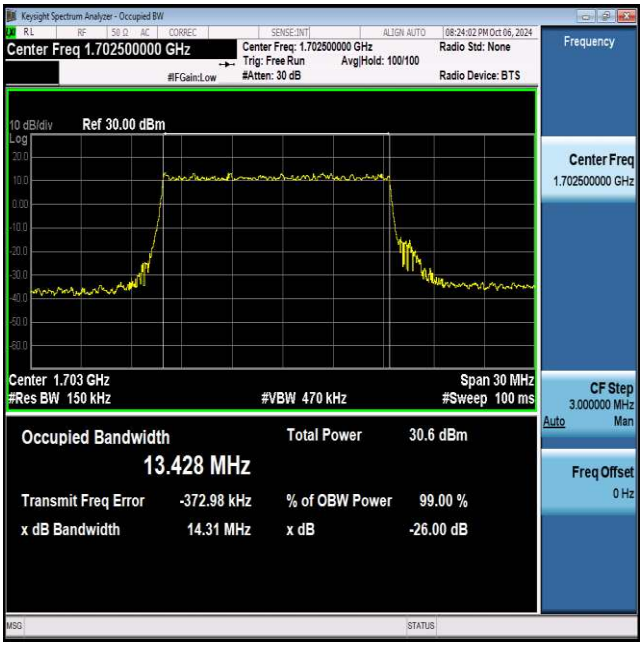


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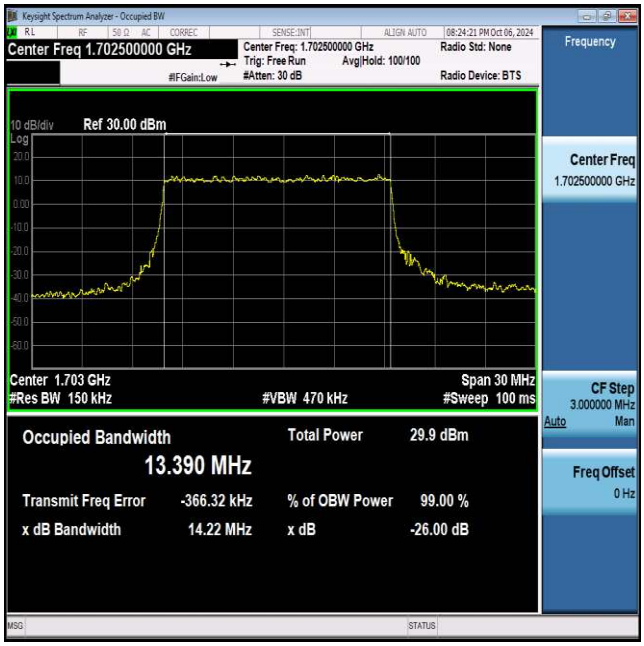


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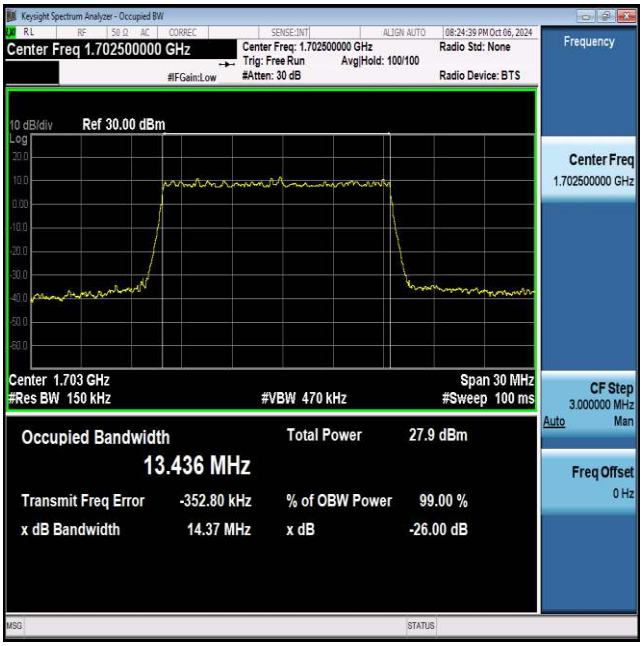


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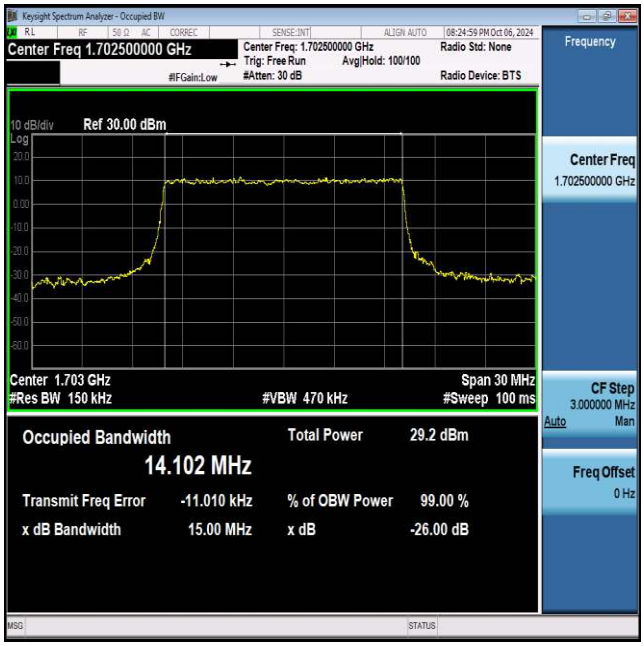


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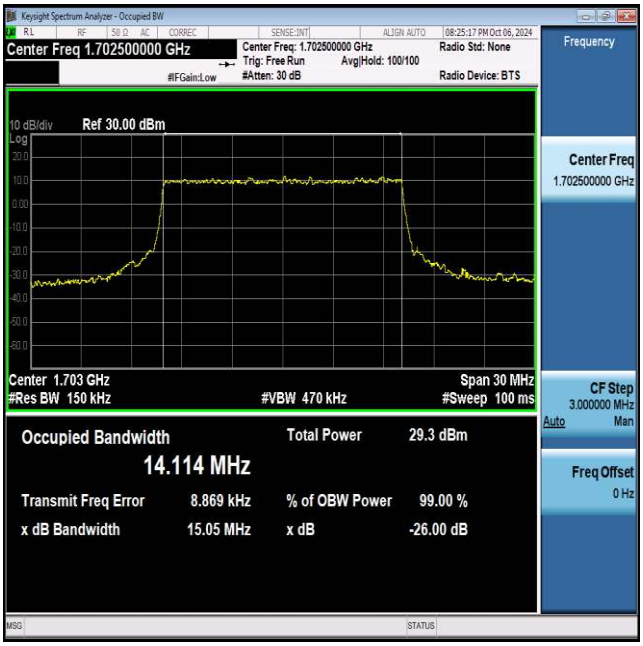


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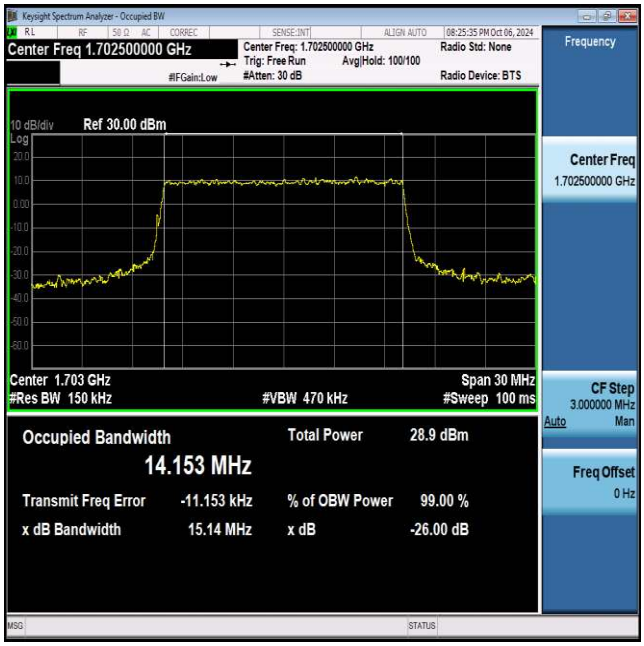


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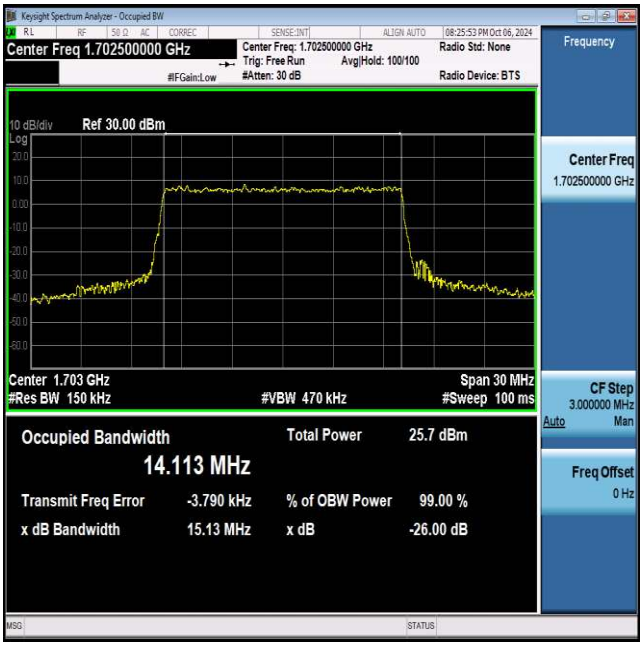


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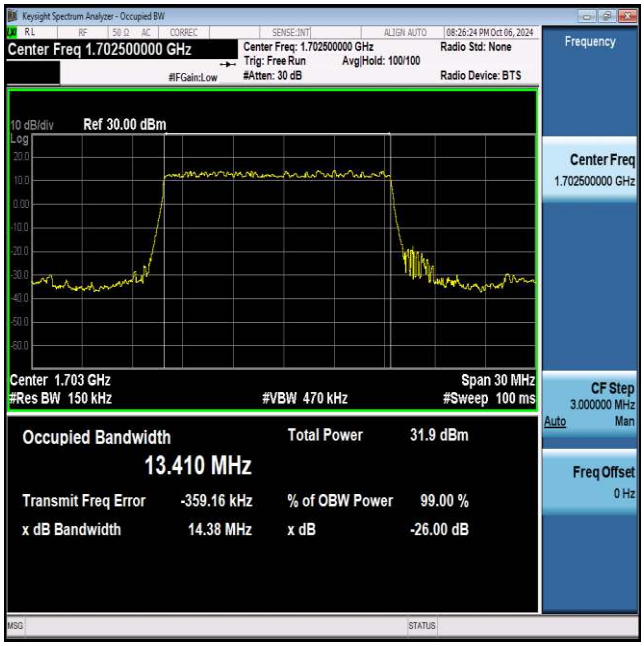


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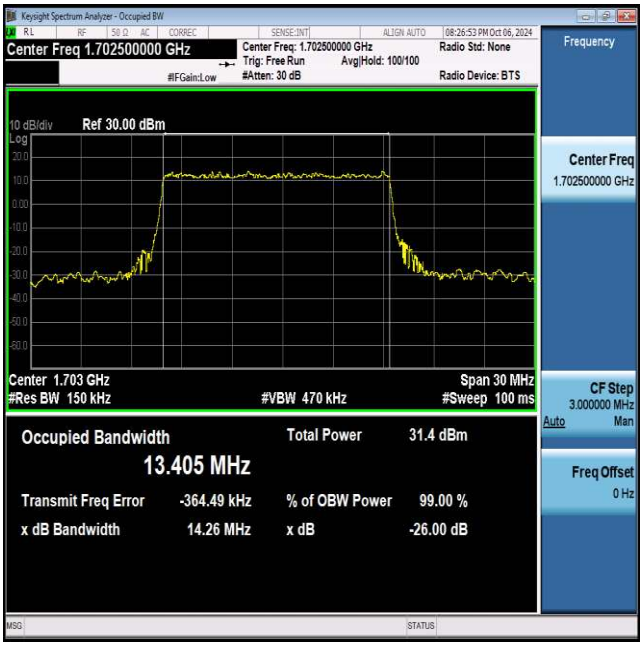


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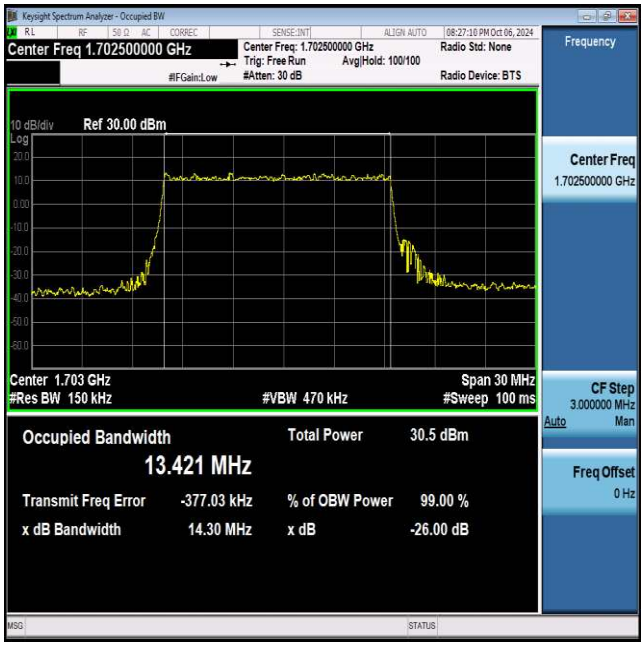


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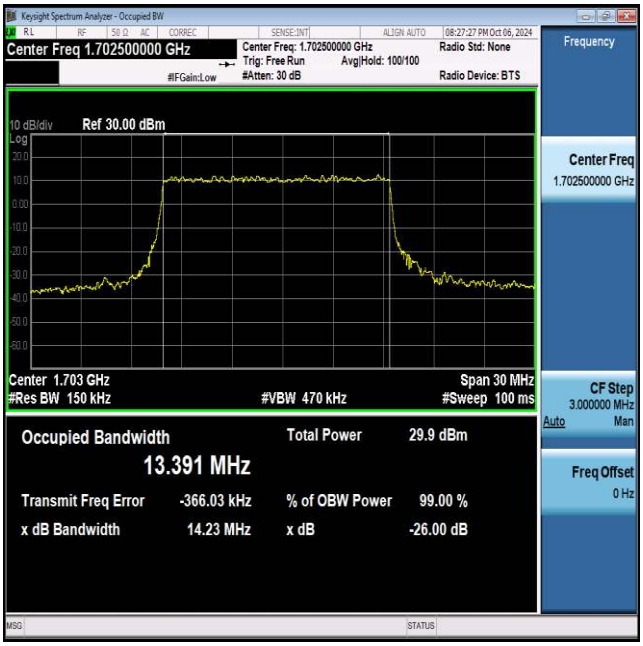


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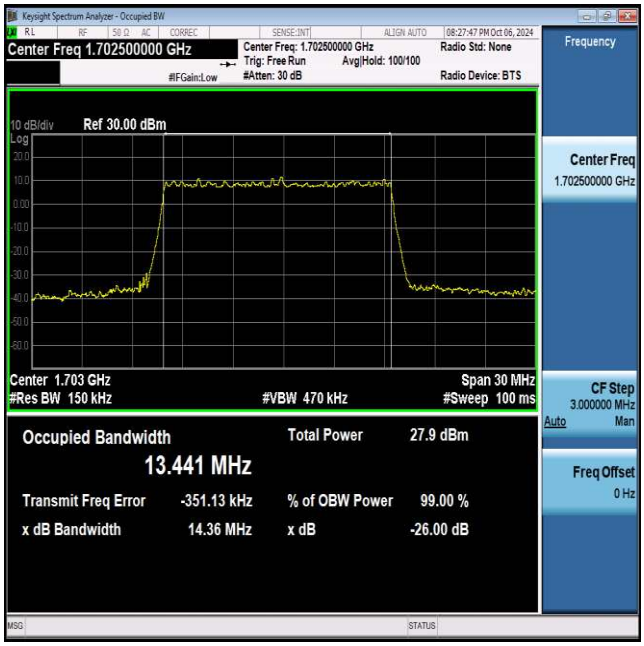


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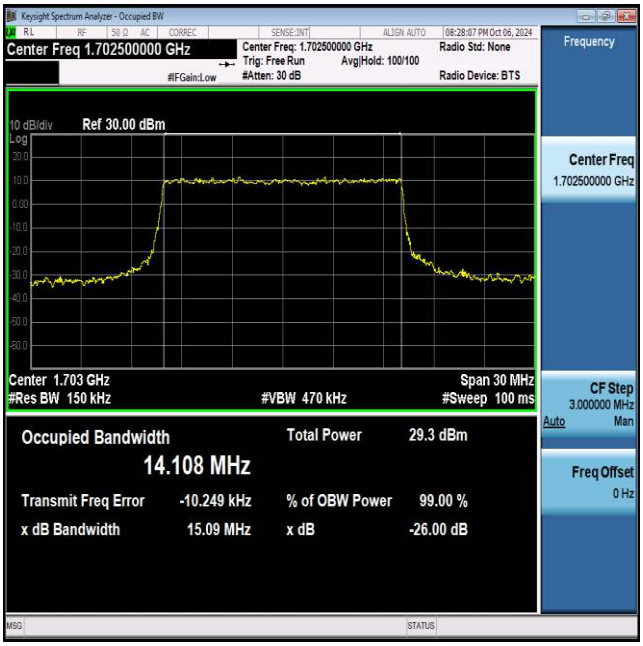


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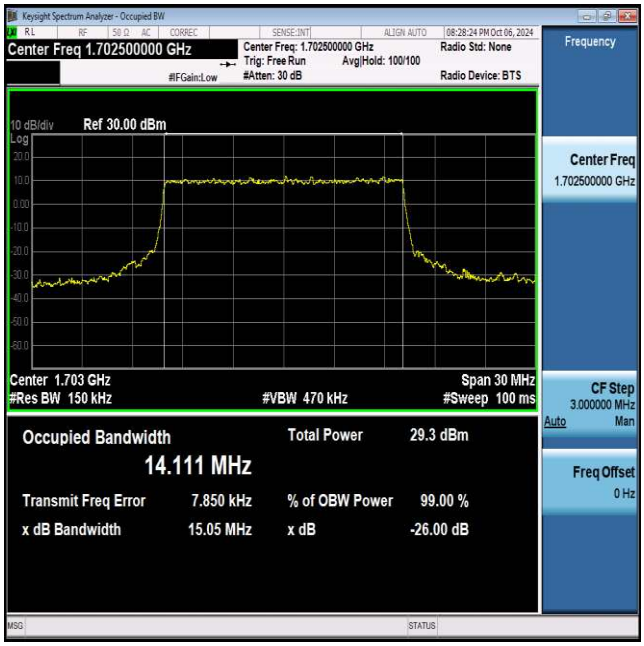


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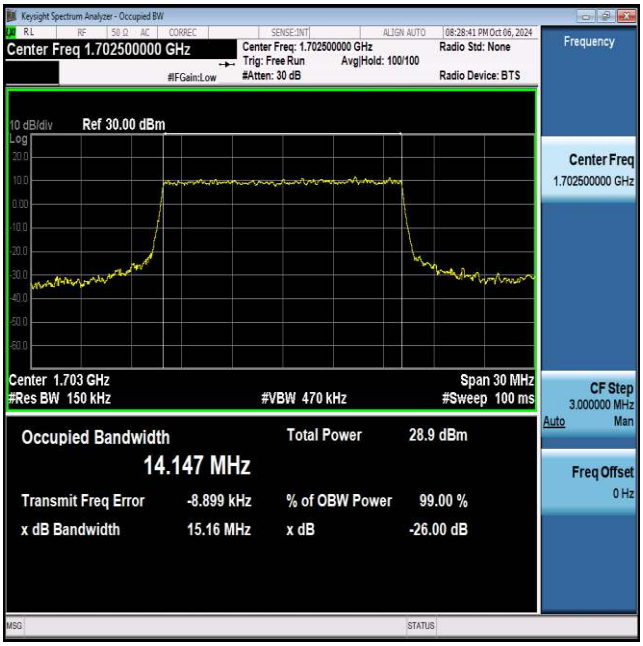


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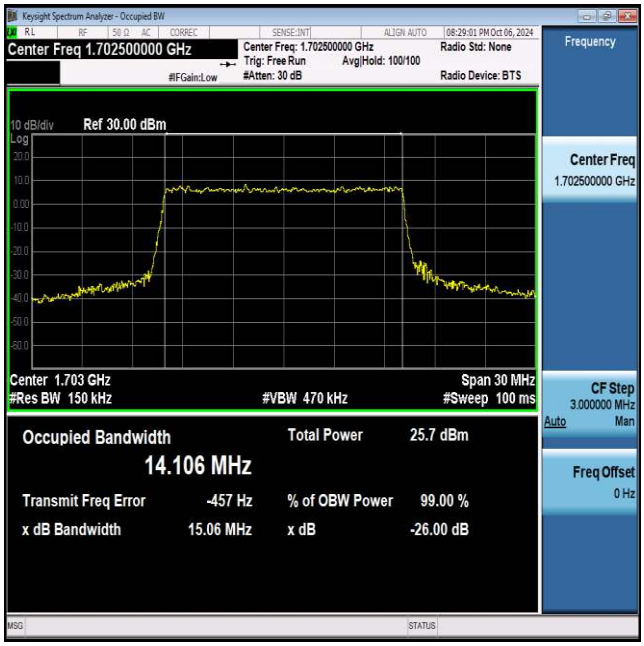


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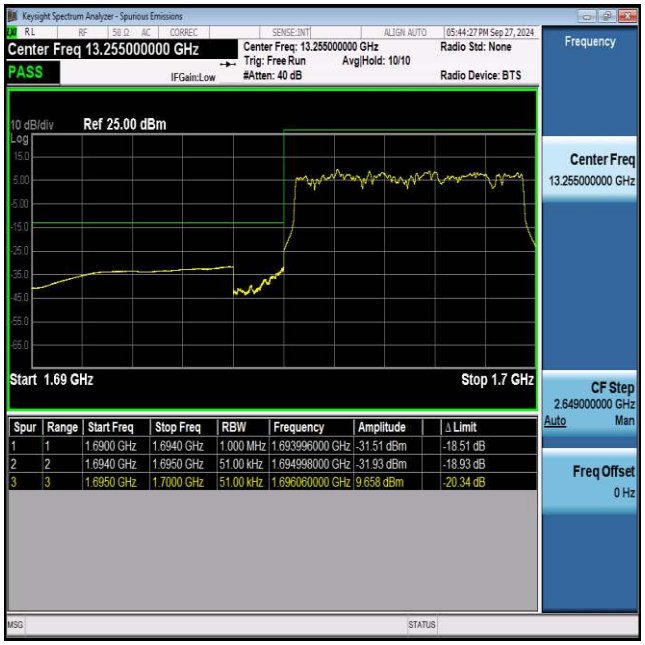
# Band Edge for SA

## Test Graphs

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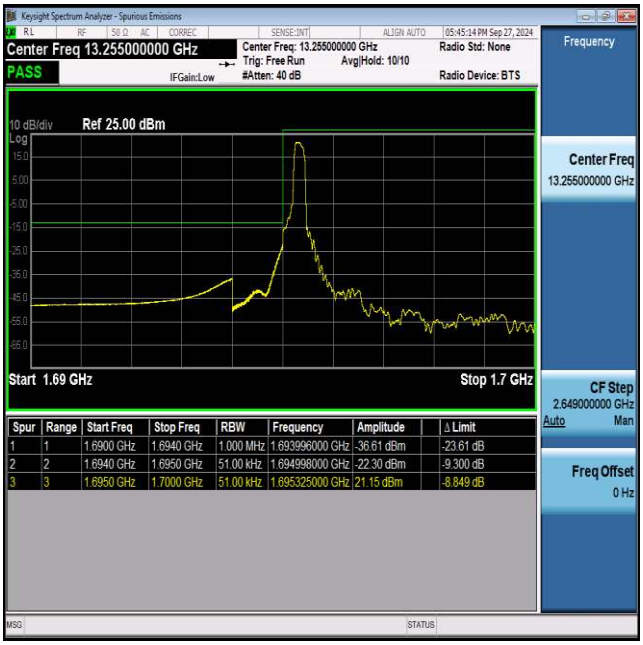


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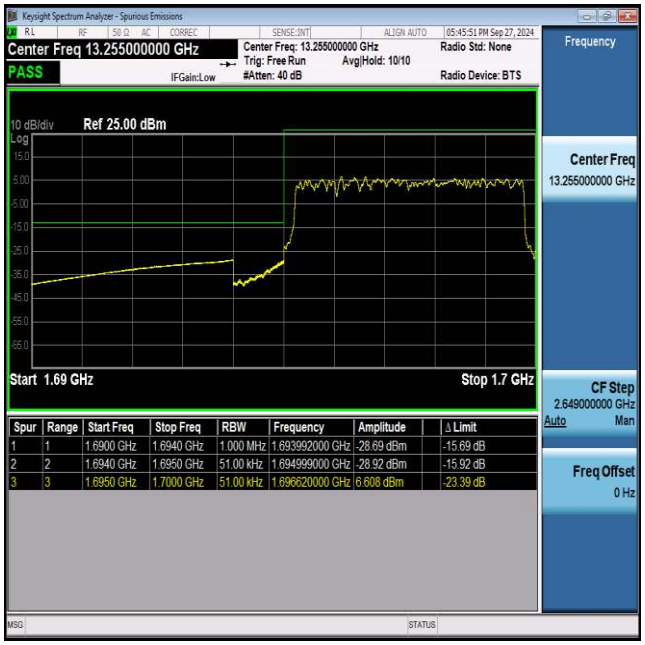


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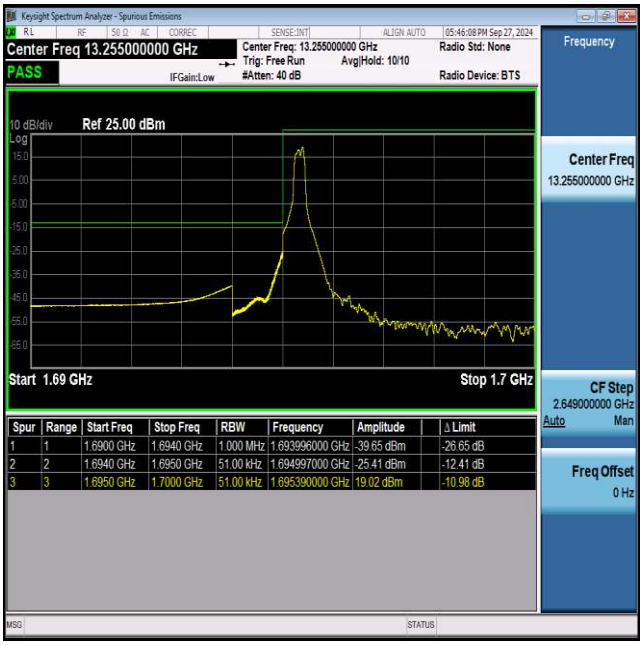


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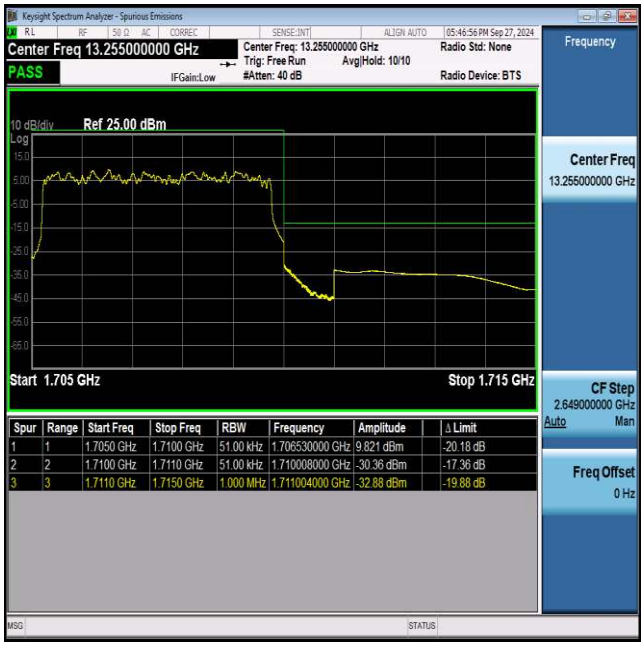


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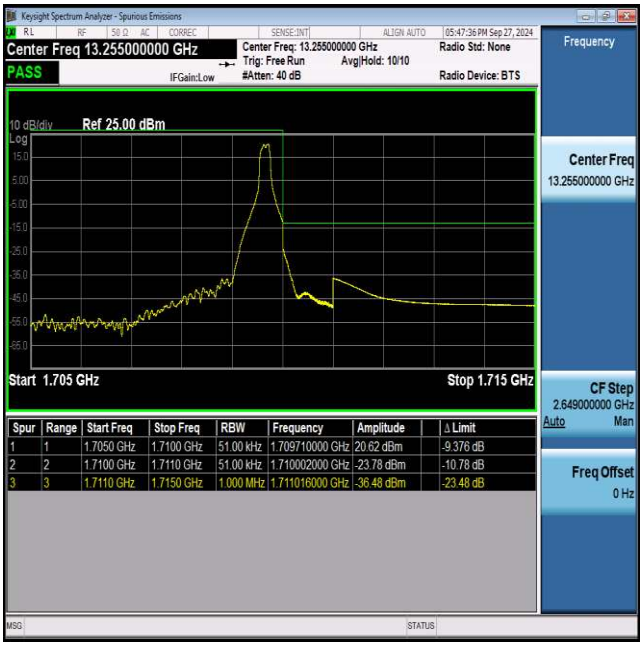


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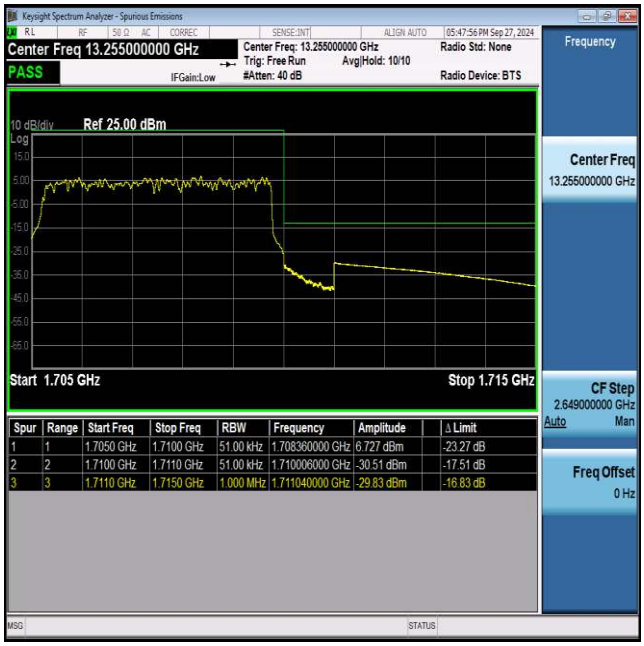


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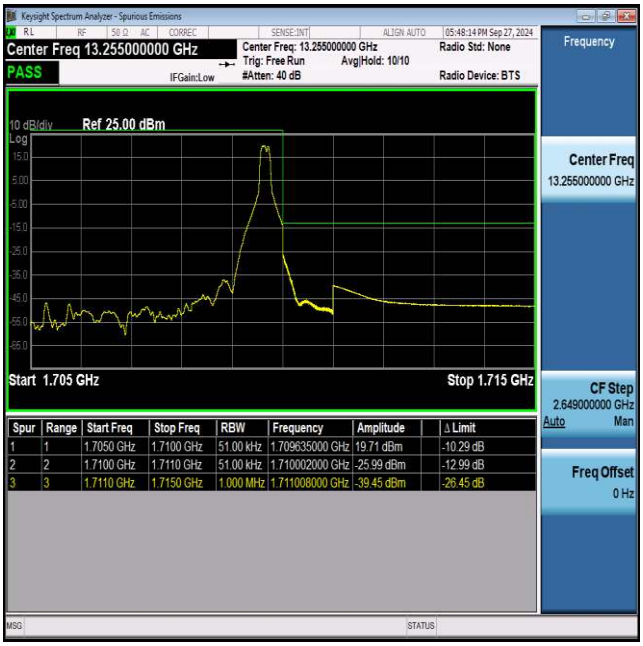


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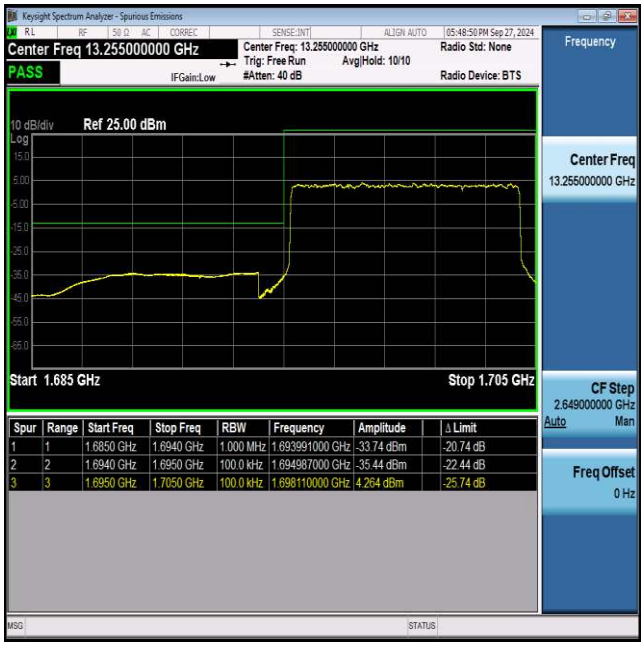


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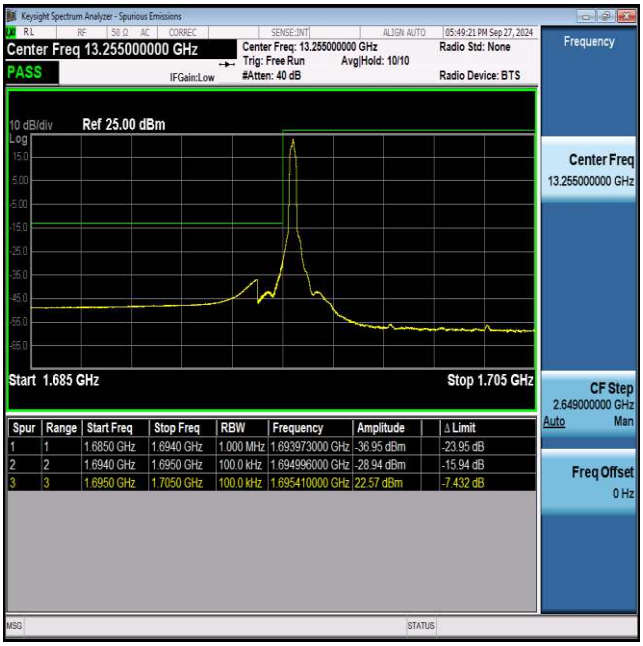


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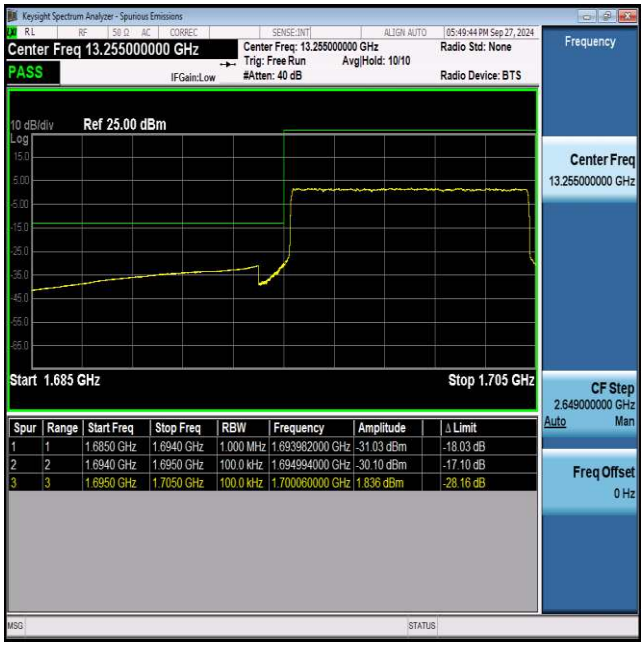


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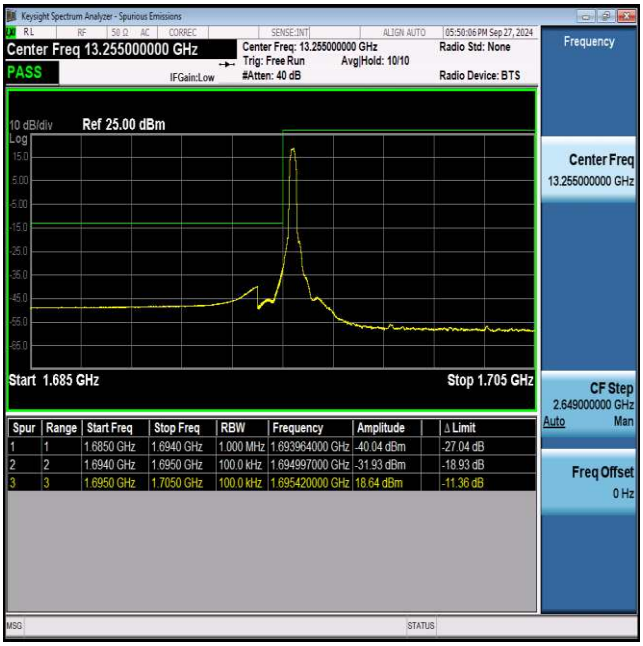


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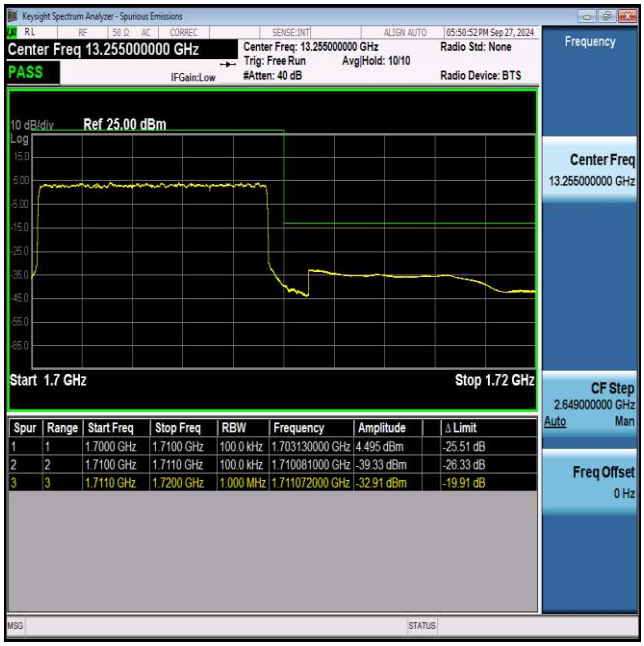


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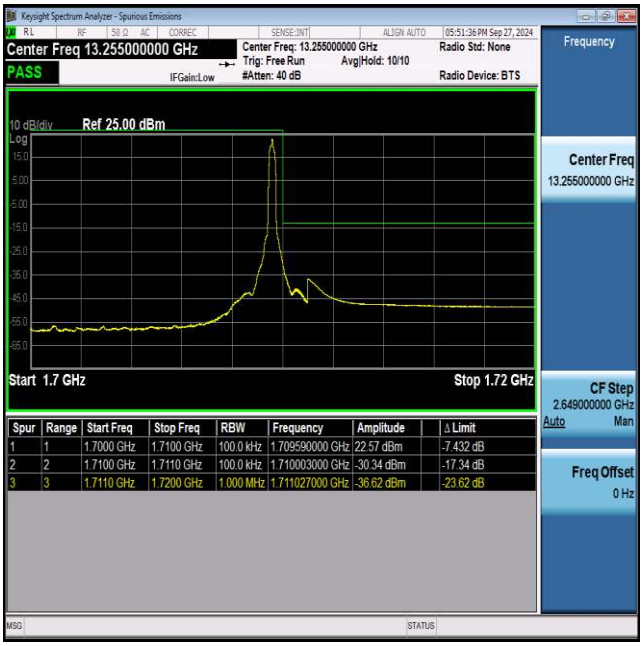


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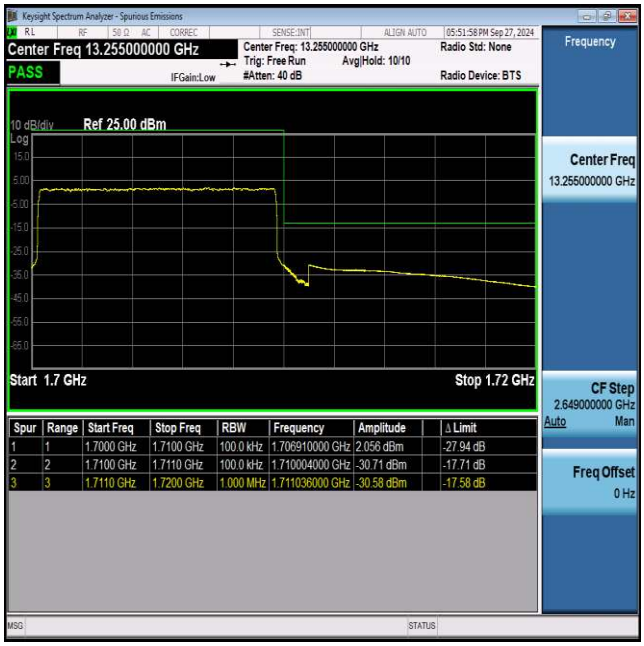


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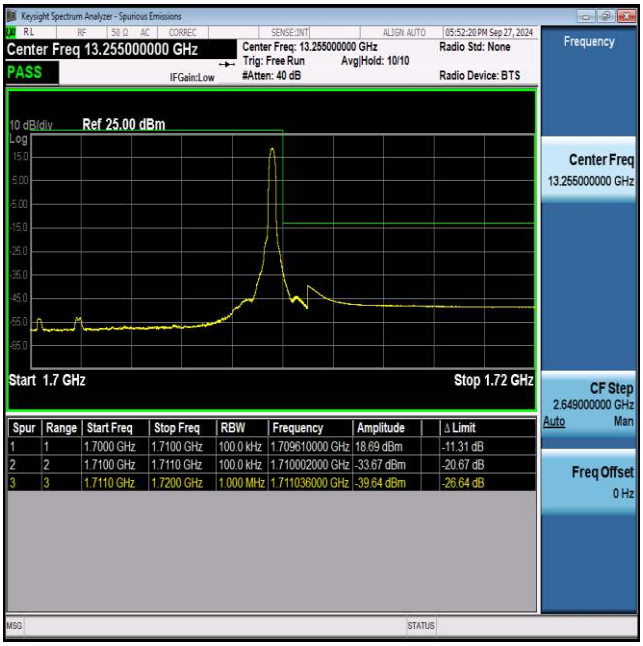


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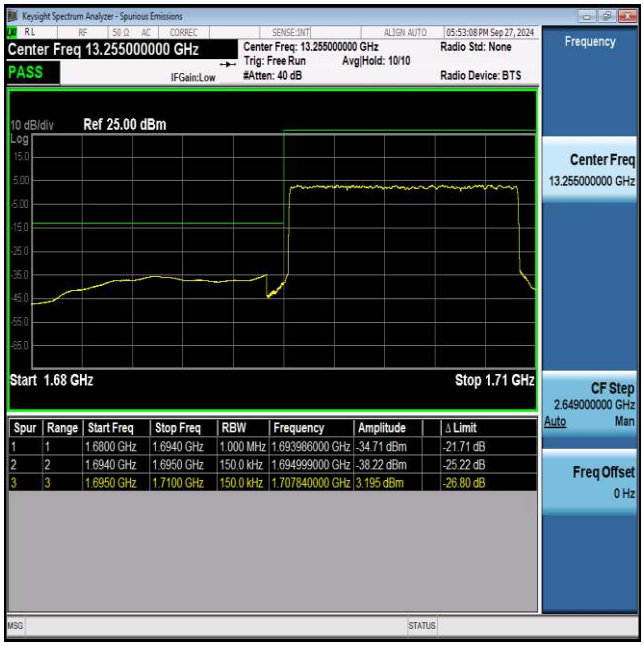


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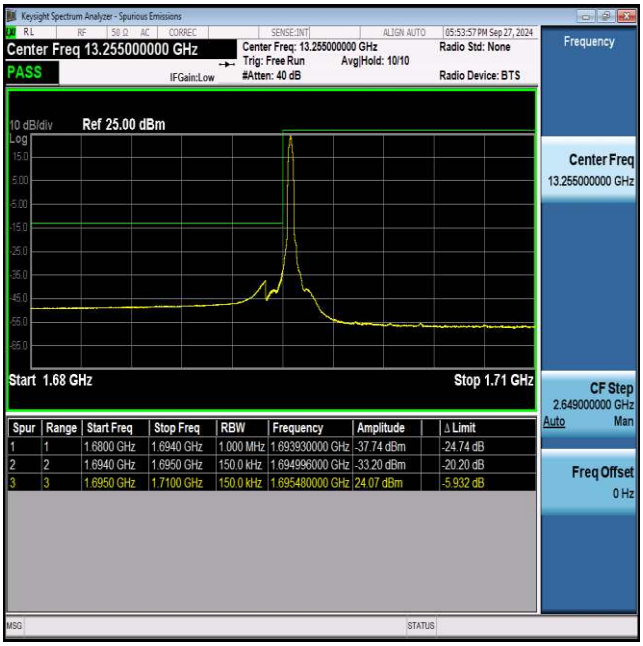


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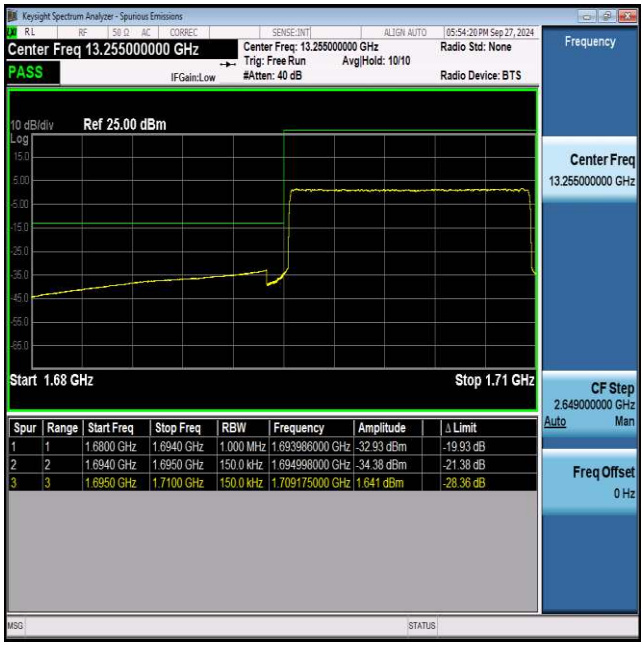


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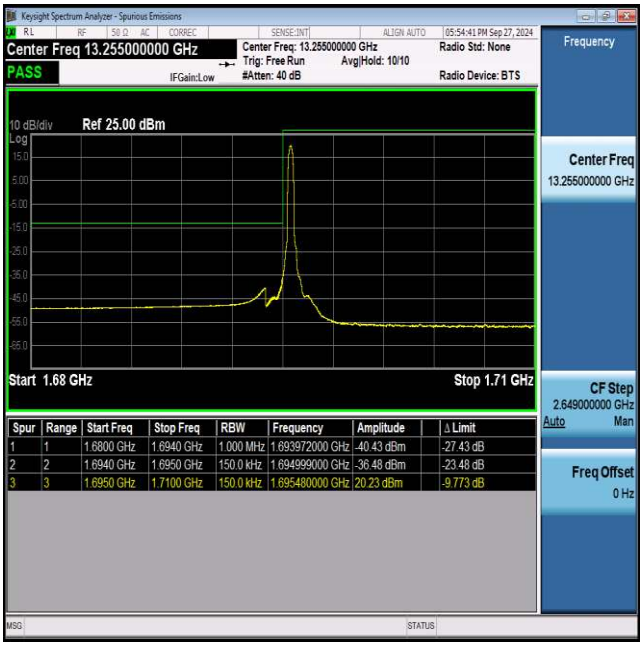


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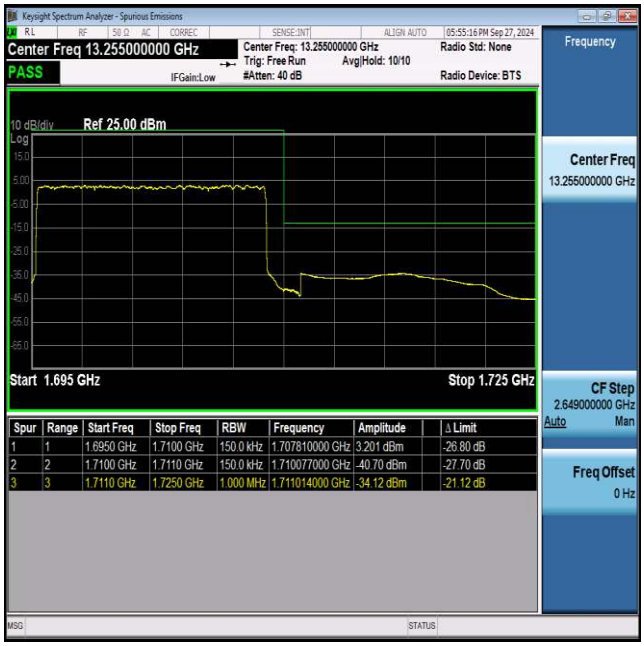


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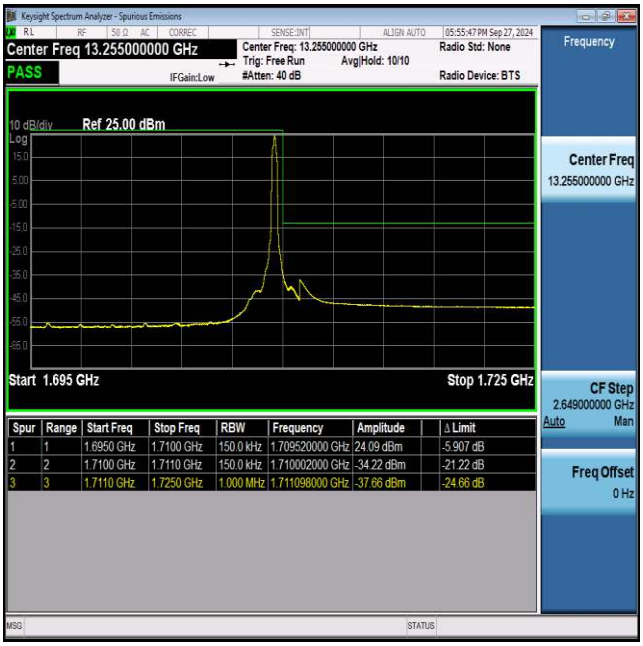


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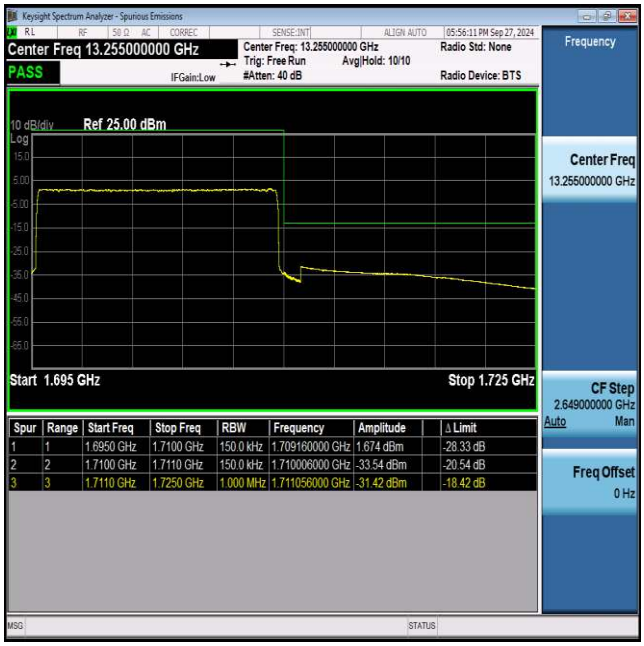


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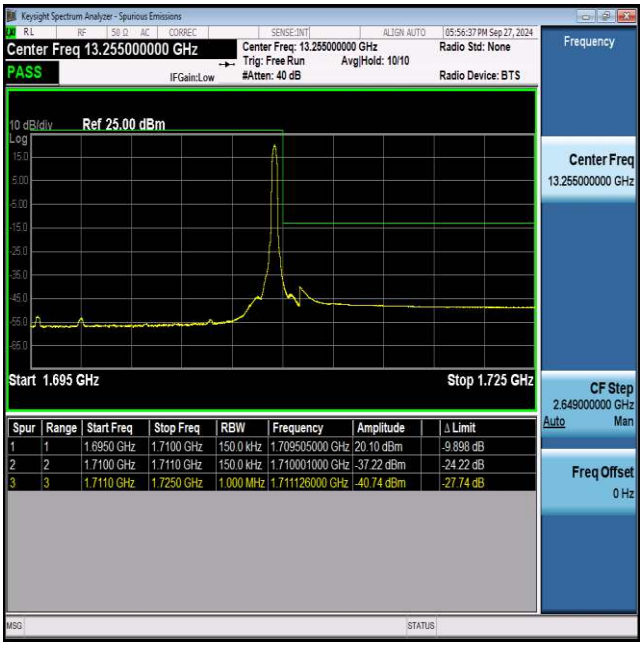


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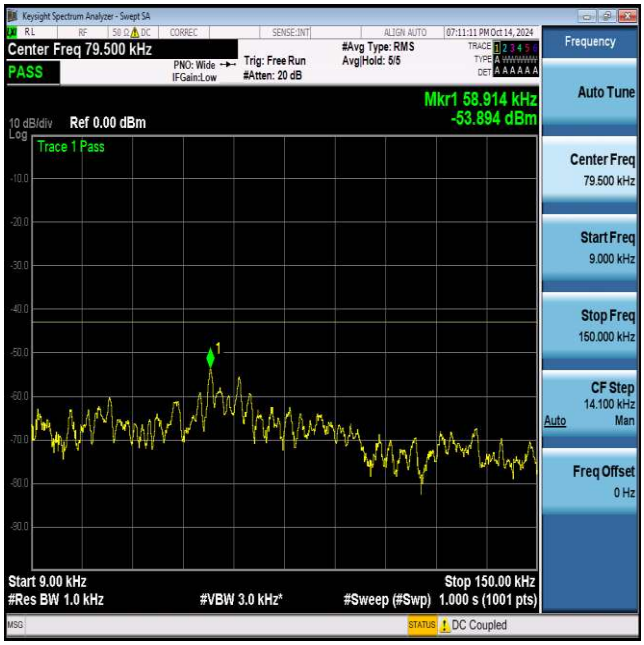
# Conducted Spurious Emission for SA

## Test Graphs

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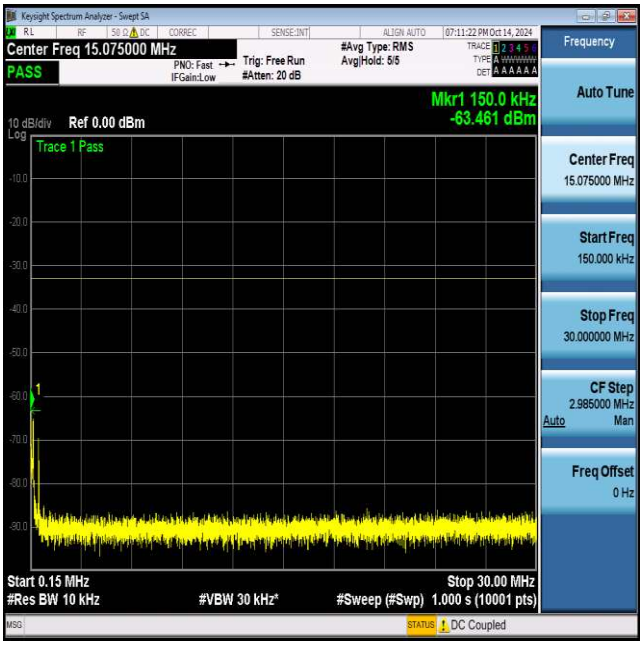


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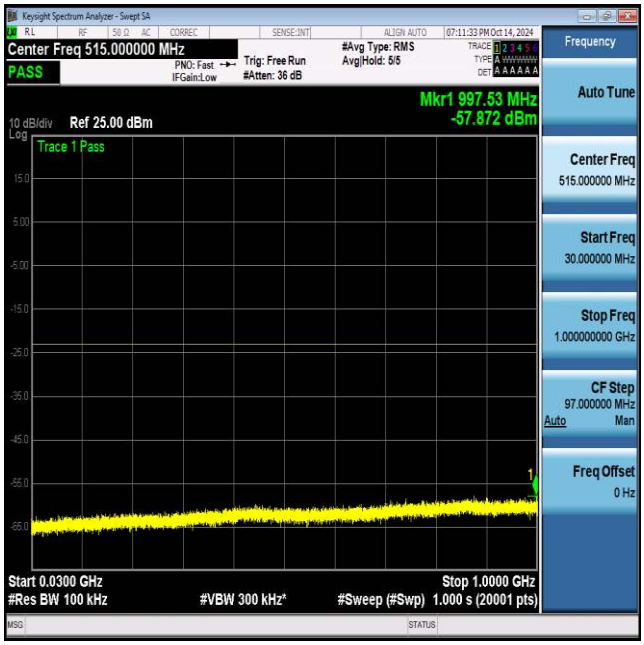


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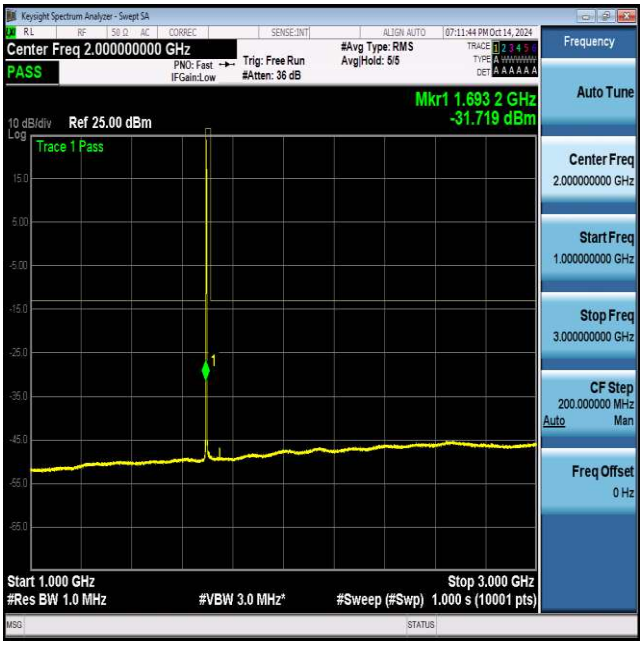


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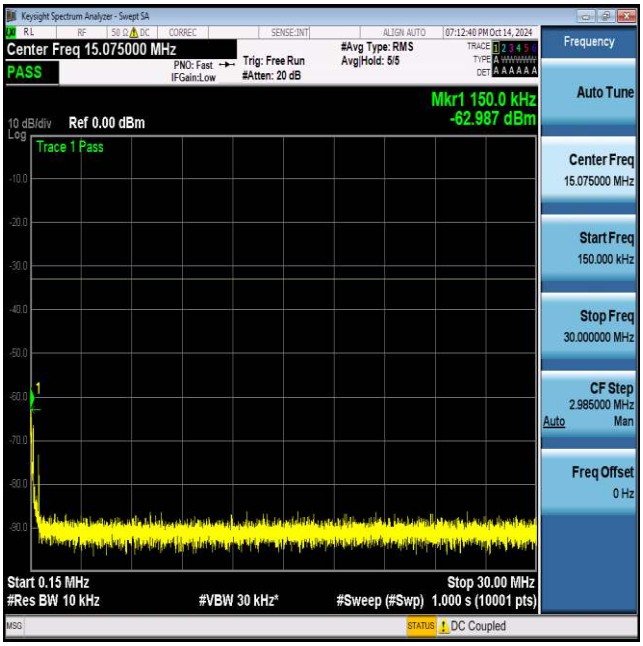


NTNV_N70_PC3_15_15_M_TID2_NS_01_0.15_30_#1


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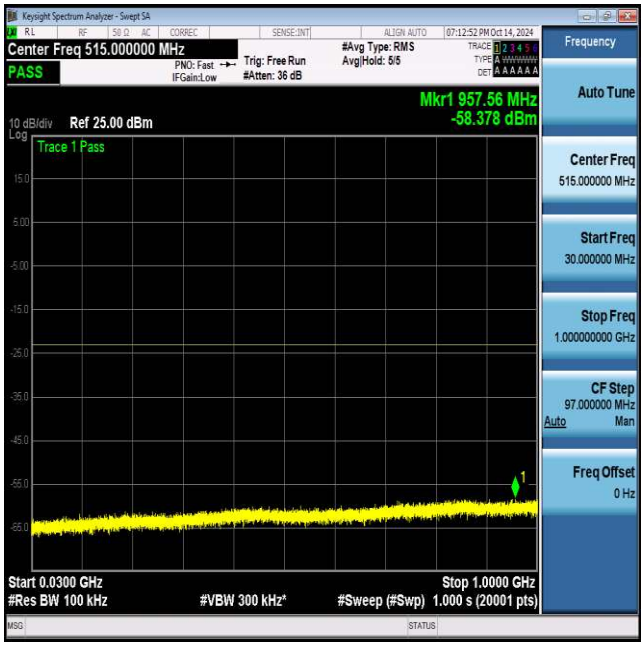


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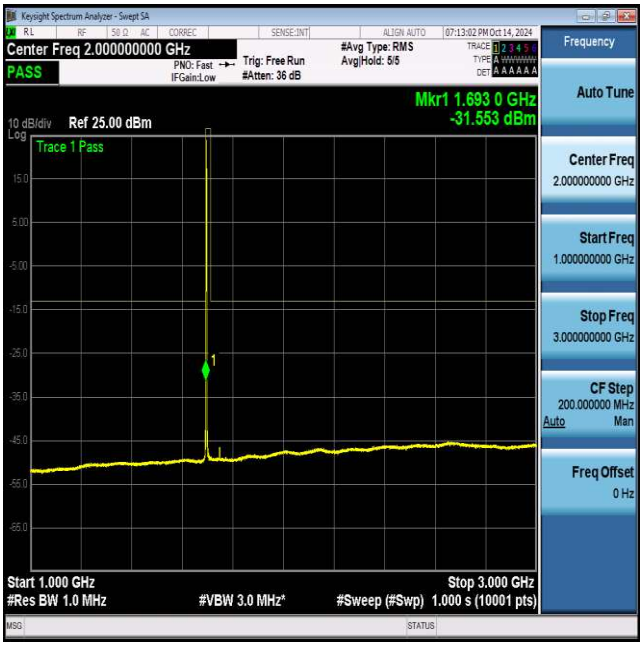


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NTNV_N70_PC3_15_15_M_TID2_NS_01_12000_20000_#1


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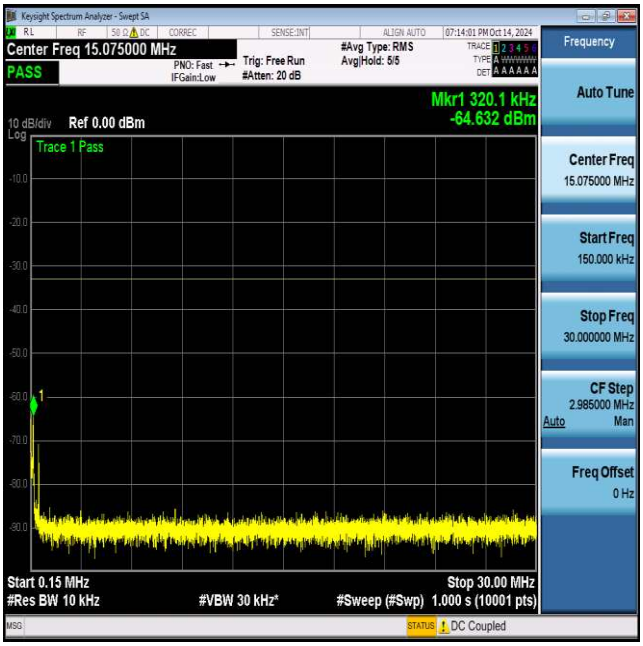


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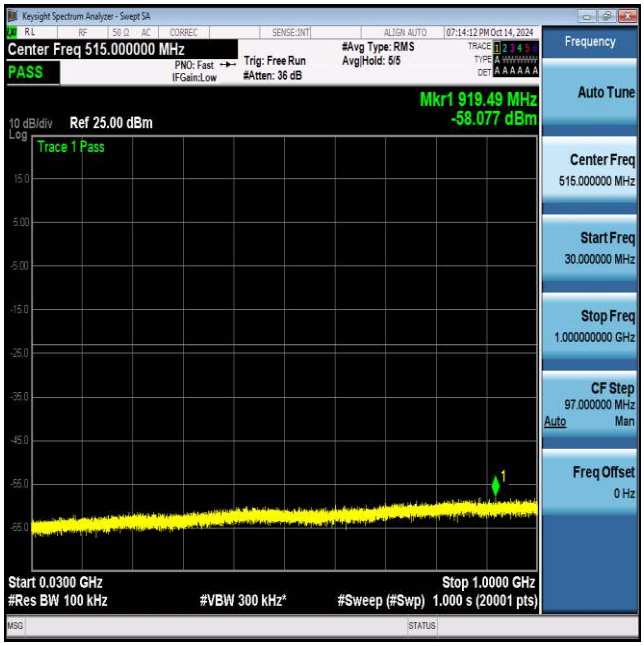


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NTNV_N70_PC3_15_15_H_TID2_NS_01_1000_3000_#1


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NTNV_N70_PC3_15_15_H_TID2_NS_01_3000_12000_#1

NTNV_N70_PC3_15_15_H_TID2_NS_01_12000_20000_#1


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# Frequency Stability for SA

## Test Result

## Frequency Error VS. Voltage

| Voltage | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | VL | NT | -2.600000 | -0.001527 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | VN | NT | 2.300000 | 0.001351 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | VH | NT | 3.300000 | 0.001938 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | VL | NT | -6.700000 | -0.003935 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | VN | NT | -4.500000 | -0.002643 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | VH | NT | -6.900000 | -0.004053 | PASS |

## Frequency Error VS. Temperature

| Temperature | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temp | Deviation (Hz) | Deviation (ppm) | Verdict |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | -30 | -1.900000 | -0.001116 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | -20 | 2.000000 | 0.001175 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | -10 | -2.800000 | -0.001645 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 0 | -3.500000 | -0.002056 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 10 | -1.200000 | -0.000705 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 20 | -2.800000 | -0.001645 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 30 | 0.500000 | 0.000294 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 40 | -5.000000 | -0.002937 | PASS |
| N70 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full | NV | 50 | 1.500000 | 0.000881 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -30 | -8.400000 | -0.004934 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -20 | -5.800000 | -0.003407 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -10 | -5.800000 | -0.003407 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 0 | -7.200000 | -0.004229 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 10 | -6.700000 | -0.003935 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 20 | -5.900000 | -0.003465 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 30 | -3.400000 | -0.001997 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 40 | -6.300000 | -0.003700 | PASS |
| N70 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 50 | -4.200000 | -0.002467 | PASS |

~The End~


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