

1-N66--15-20-L-8-CP-64QAM-Outer_Full-106@0-An
t1-18.913-19.840-<=20-PASS

1-N66--15-20-L-9-CP-256QAM-Outer_Full-106@0-A
nt1-18.837-19.720-<=20-PASS



1-N66--15-20-M-1-DFT-QPSK-Outer_Full-100@0-An
t1-17.858-18.720-<=20-PASS

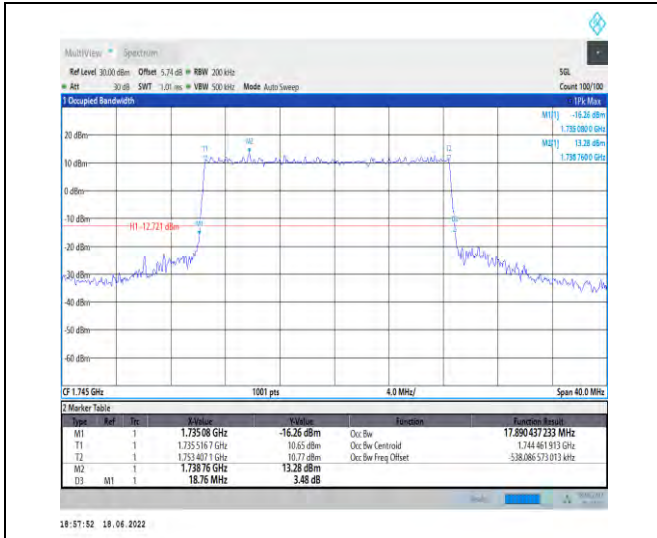
1-N66--15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0
-Ant1-17.888-18.640-<=20-PASS



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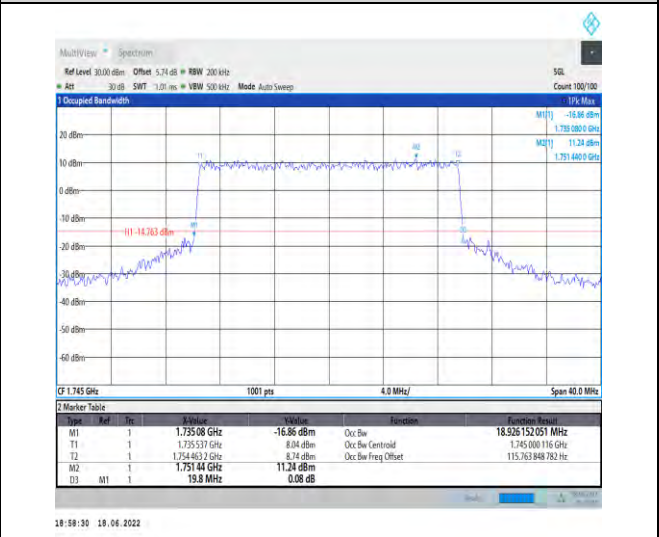
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nt1-17.89-18.760-<20-PASS



1-N66--15-20-M-4-DFT-64QAM-Outer_Full-100@0-A
nt1-17.904-18.760-<20-PASS



1-N66--15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
Ant1-17.877-18.800-<20-PASS



1-N66--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
1-18.926-19.800-<20-PASS

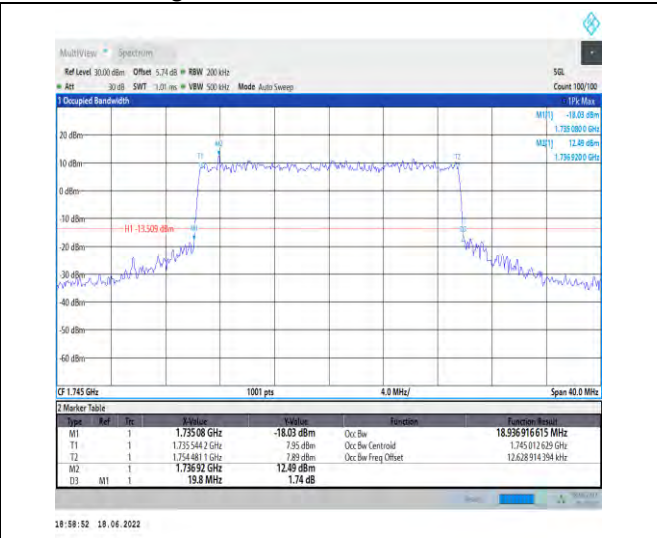
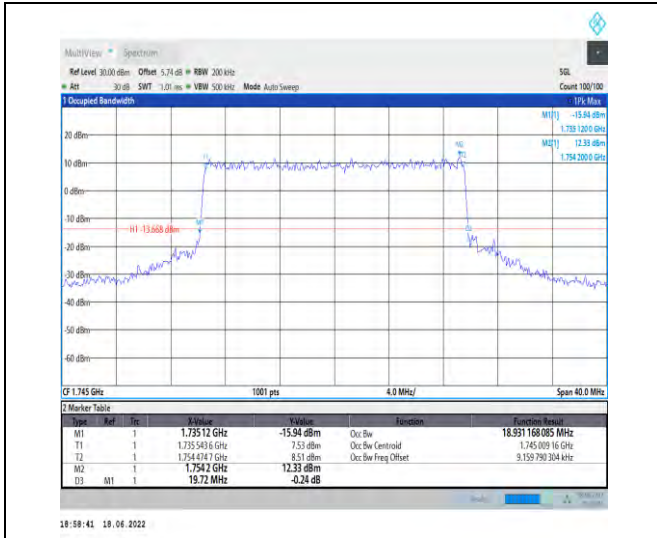


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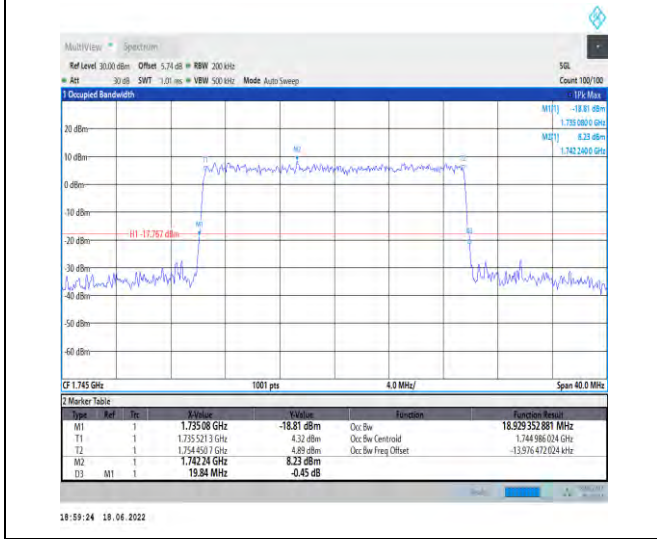
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1-N66--15-20-M-7-CP-16QAM-Outer_Full-106@0-A
nt1-18.931-19.720-≤20-PASS

1-N66--15-20-M-8-CP-64QAM-Outer_Full-106@0-A
nt1-18.937-19.800-≤20-PASS



1-N66--15-20-M-9-CP-256QAM-Outer_Full-106@0-A
Ant1-18.929-19.840-≤20-PASS

1-N66--15-20-H-1-DFT-QPSK-Outer_Full-100@0-An
t1-17.894-18.720-≤20-PASS



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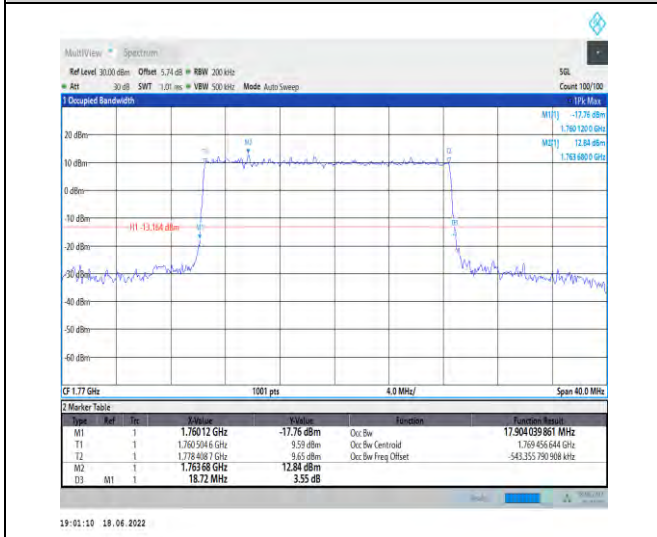
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1-N66--15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.887-18.640-≤ 20-PASS



1-N66--15-20-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.884-18.760-≤ 20-PASS



1-N66--15-20-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.904-18.720-≤ 20-PASS



1-N66--15-20-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.884-18.800-≤ 20-PASS



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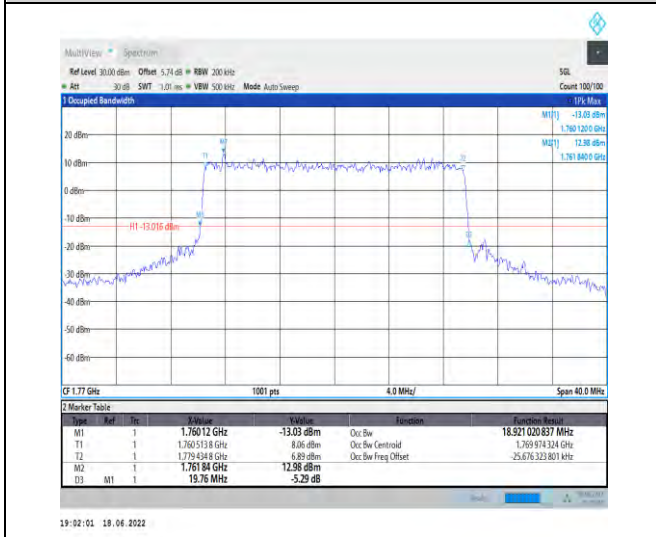
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1-N66--15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant
t1-18.925-19.800-≤20-PASS



1-N66--15-20-H-7-CP-16QAM-Outer_Full-106@0-An
t1-18.98-19.720-≤20-PASS



1-N66--15-20-H-8-CP-64QAM-Outer_Full-106@0-An
t1-18.921-19.760-≤20-PASS



1-N66--15-20-H-9-CP-256QAM-Outer_Full-106@0-A
nt1-18.902-19.720-≤20-PASS

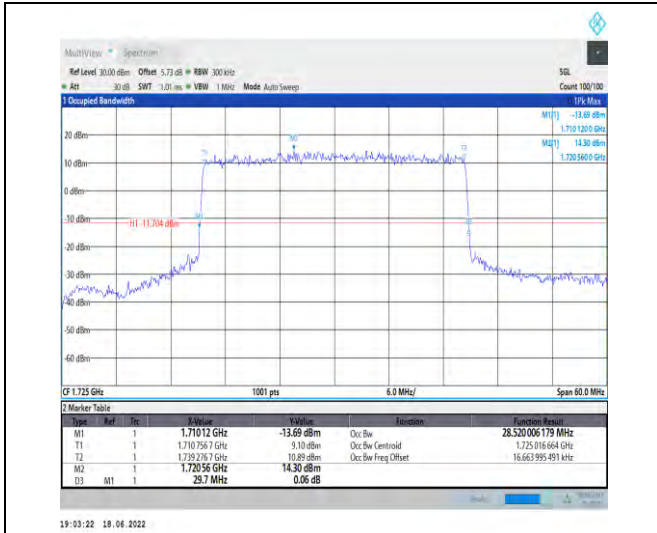


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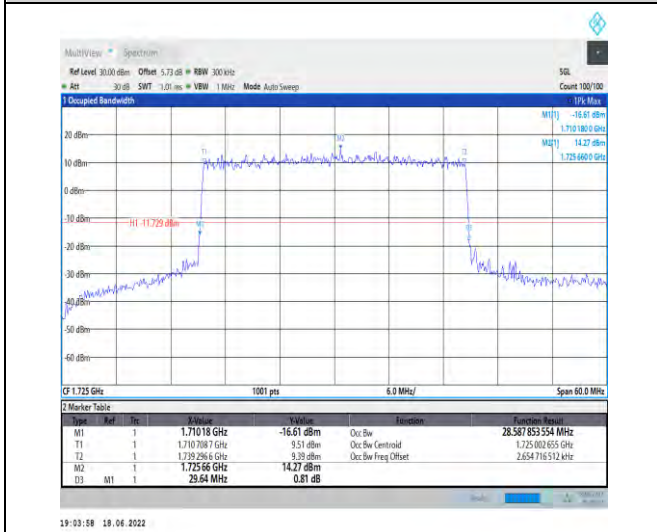
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1-N66--15-30-L-1-DFT-QPSK-Outer_Full-160@0-Ant
1-28.52-29.700-≤30-PASS



1-N66--15-30-L-2-DFT-PI2BPSK-Outer_Full-160@0-Ant
1-28.533-29.760-≤30-PASS



1-N66--15-30-L-3-DFT-16QAM-Outer_Full-160@0-Ant
1-28.588-29.640-≤30-PASS



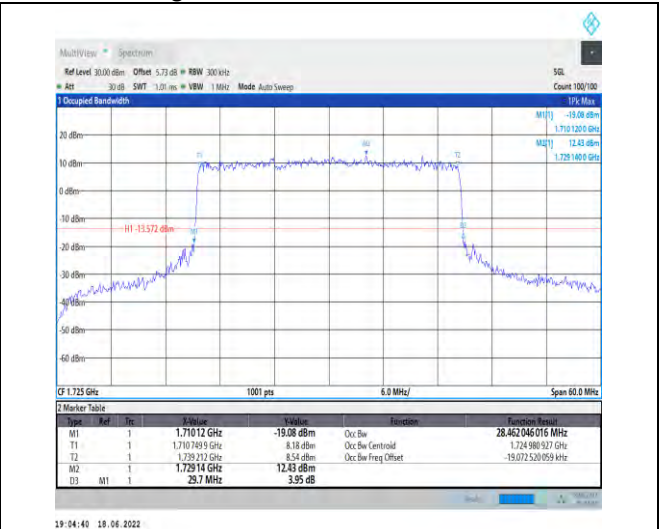
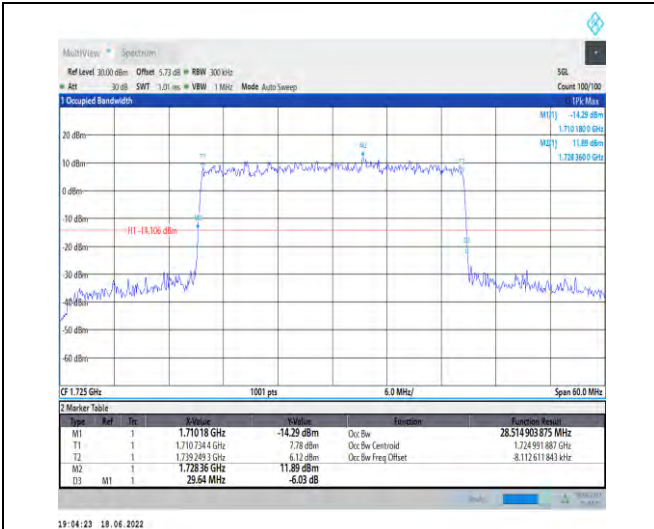
1-N66--15-30-L-4-DFT-64QAM-Outer_Full-160@0-Ant
1-28.476-29.700-≤30-PASS



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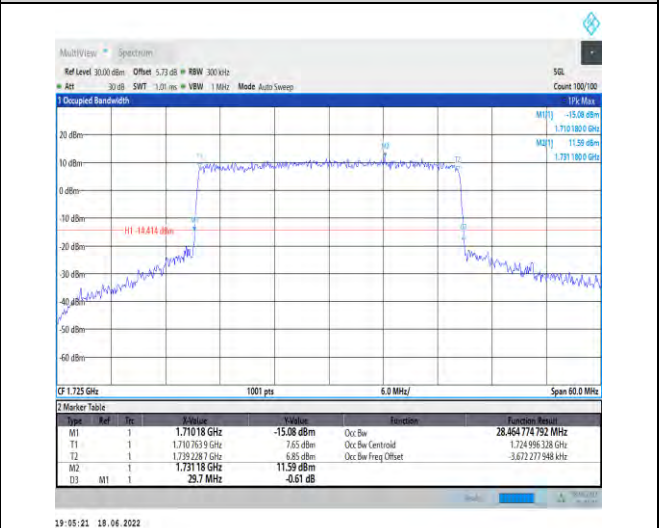
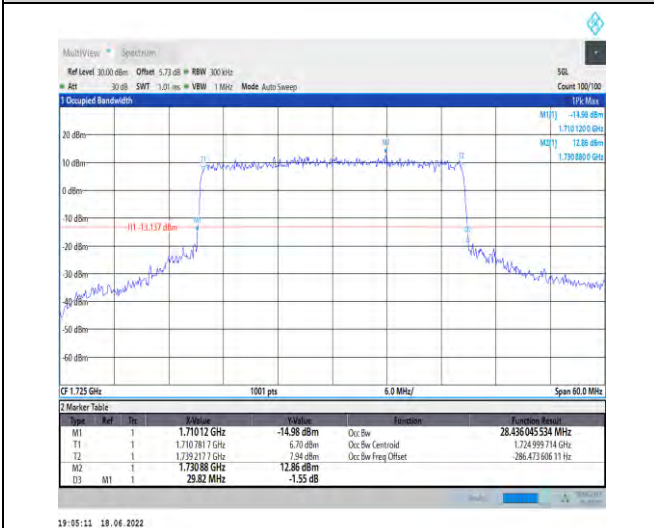
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1-N66--15-30-L-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.515-29.640-<=30-PASS

1-N66--15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant1-28.462-29.700-<=30-PASS



1-N66--15-30-L-7-CP-16QAM-Outer_Full-160@0-Ant1-28.436-29.820-<=30-PASS

1-N66--15-30-L-8-CP-64QAM-Outer_Full-160@0-Ant1-28.465-29.700-<=30-PASS



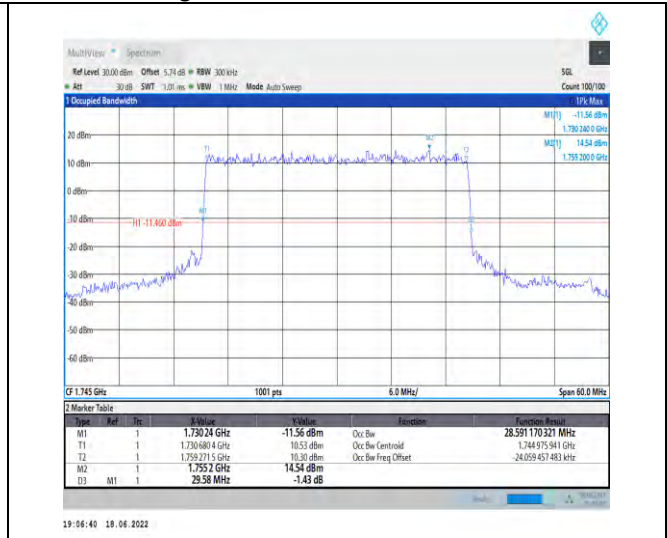
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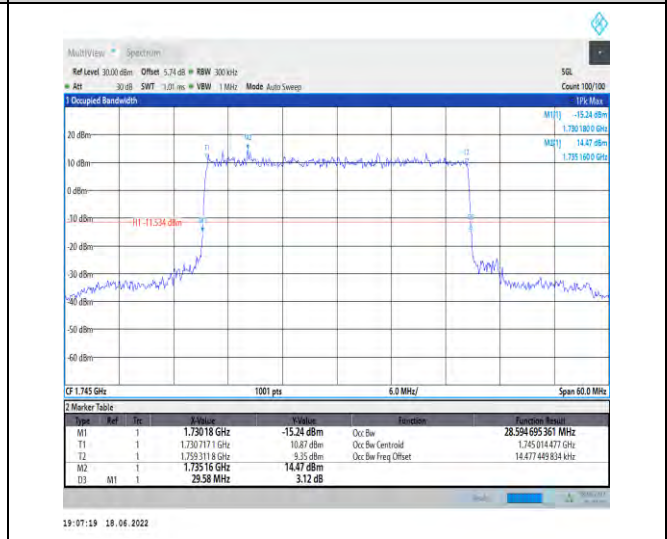
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1-N66--15-30-M-1-DFT-QPSK-Outer_Full-160@0-An
t1-28.591-29.580- ≤ 30 -PASS



1-N66--15-30-M-2-DFT-PI2BPSK-Outer_Full-160@0-A
-Ant1-28.548-29.700- ≤ 30 -PASS



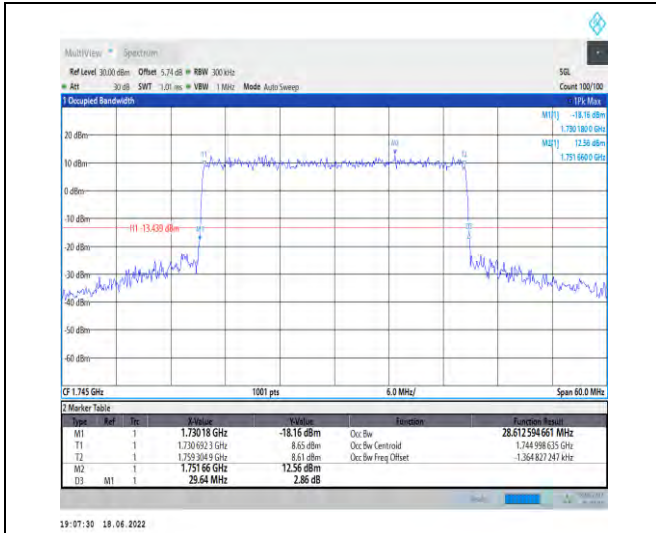
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nt1-28.595-29.580- ≤ 30 -PASS



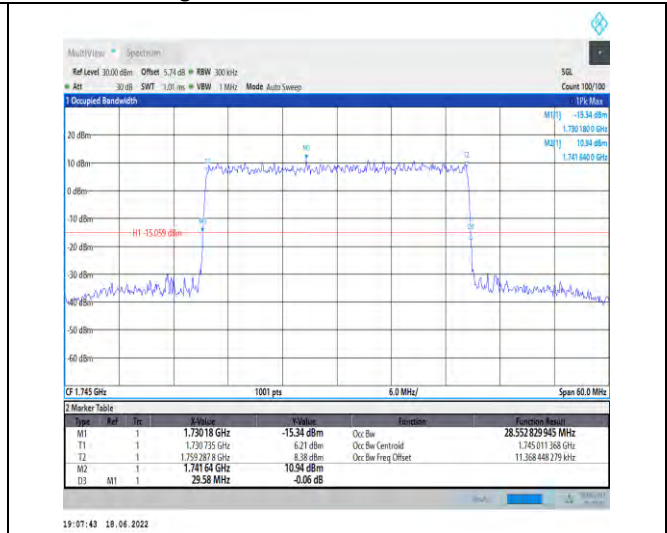
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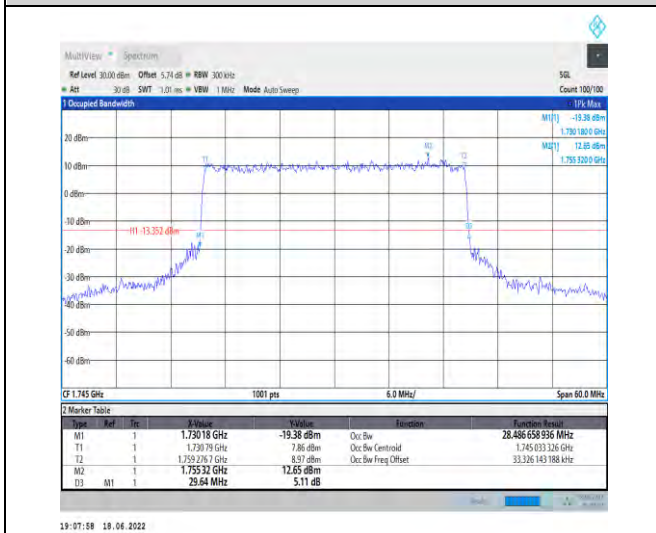
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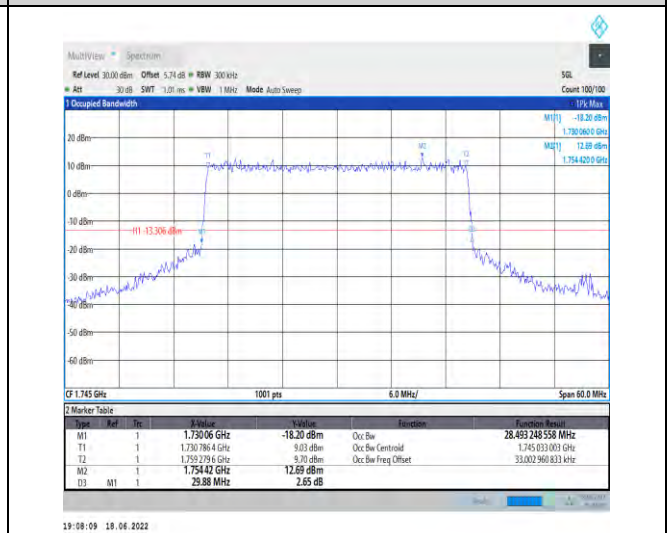
1-N66--15-30-M-4-DFT-64QAM-Outer_Full-160@0-A
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1-N66--15-30-M-5-DFT-256QAM-Outer_Full-160@0-A
Ant1-28.553-29.580-≤30-PASS



1-N66--15-30-M-6-CP-QPSK-Outer_Full-160@0-Ant
1-28.487-29.640-≤30-PASS



1-N66--15-30-M-7-CP-16QAM-Outer_Full-160@0-A
nt1-28.493-29.880-≤30-PASS

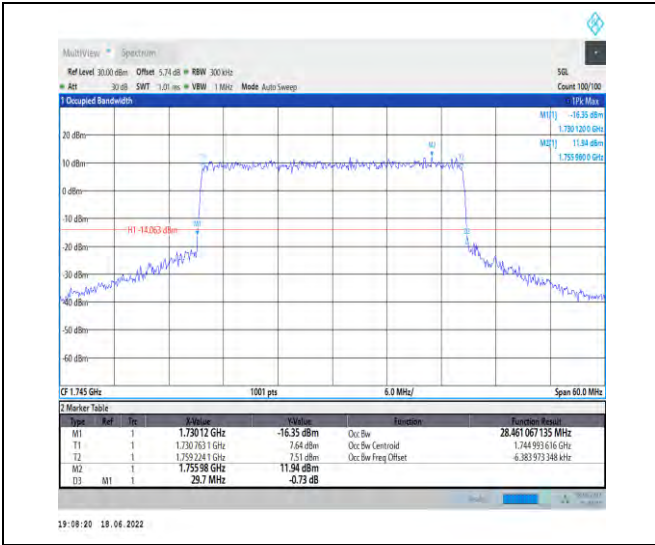


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1-N66--15-30-M-8-CP-64QAM-Outer_Full-160@0-A
nt1-28.461-29.700-≤30-PASS



1-N66--15-30-M-9-CP-256QAM-Outer_Full-160@0-
Ant1-28.465-29.700-≤30-PASS



1-N66--15-30-H-1-DFT-QPSK-Outer_Full-160@0-An
t1-28.538-29.700-≤30-PASS



1-N66--15-30-H-2-DFT-PI2BPSK-Outer_Full-160@0-
Ant1-28.575-29.640-≤30-PASS

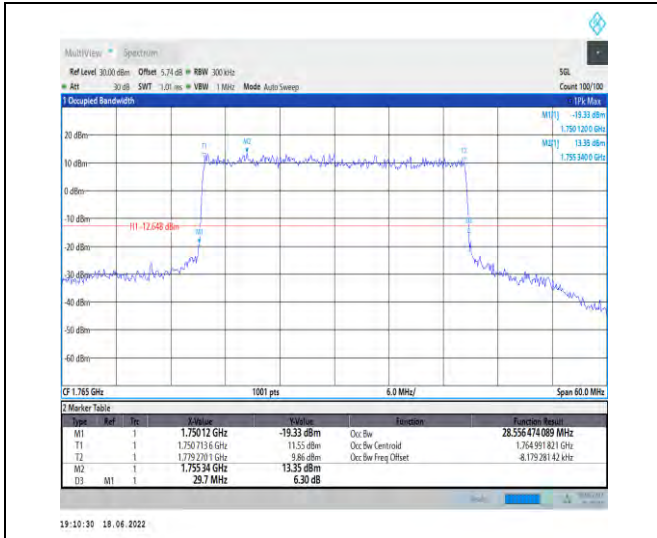


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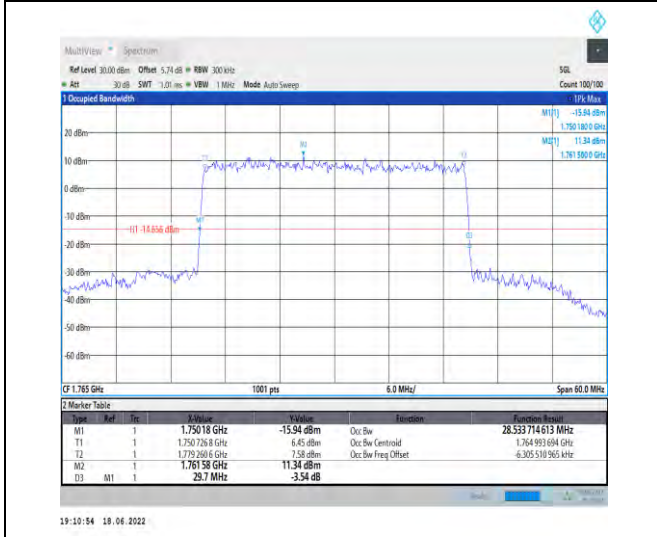
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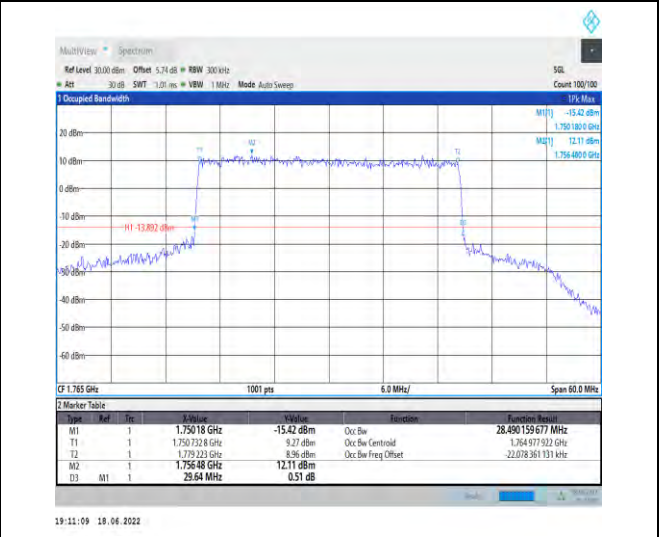
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 nt1-28.556-29.700-≤30-PASS



1-N66--15-30-H-4-DFT-64QAM-Outer_Full-160@0-A
 nt1-28.553-29.640-≤30-PASS



1-N66--15-30-H-5-DFT-256QAM-Outer_Full-160@0-Ant1
 Ant1-28.534-29.700-≤30-PASS



1-N66--15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant
 1-28.49-29.640-≤30-PASS



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1-N66--15-30-H-7-CP-16QAM-Outer_Full-160@0-An
t1-28.517-29.640-<30-PASS



1-N66--15-30-H-8-CP-64QAM-Outer_Full-160@0-An
t1-28.536-29.580-<30-PASS



1-N66--15-30-H-9-CP-256QAM-Outer_Full-160@0-A
nt1-28.476-29.760-<30-PASS



1-N66--15-40-L-1-DFT-QPSK-Outer_Full-216@0-Ant
1-38.407-40.240-<40-PASS



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1-N66--15-40-L-2-DFT-PI2BPSK-Outer_Full-216@0-Ant1-38.354-40.080-≤ 40-PASS

1-N66--15-40-L-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.454-40.160-≤ 40-PASS



1-N66--15-40-L-4-DFT-64QAM-Outer_Full-216@0-Ant1-38.464-40.160-≤ 40-PASS

1-N66--15-40-L-5-DFT-256QAM-Outer_Full-216@0-Ant1-38.446-40.160-≤ 40-PASS



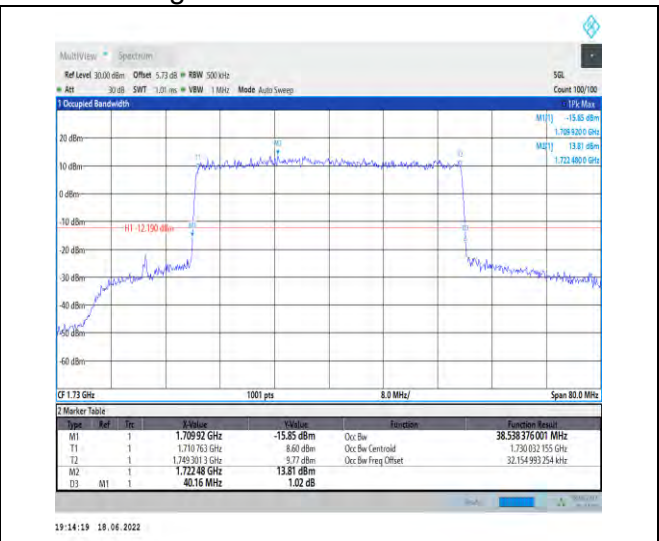
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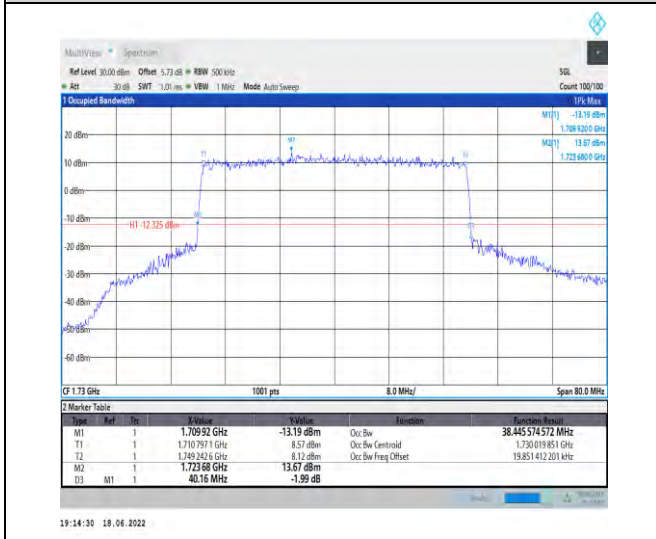
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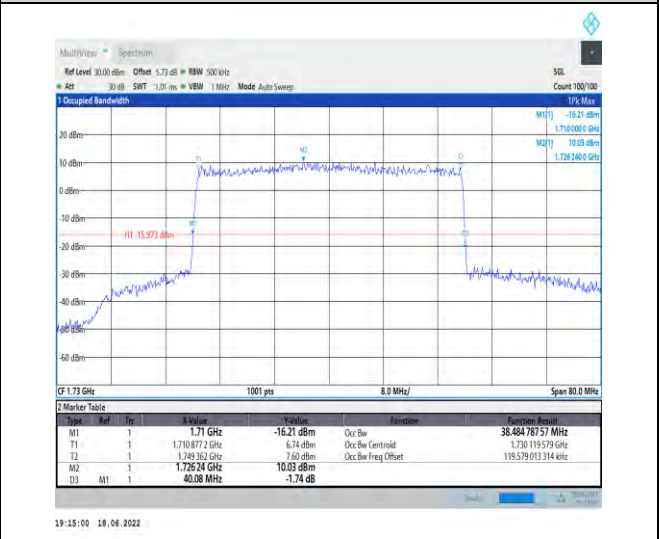
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-38.417-40.160-≤40-PASS



1-N66--15-40-L-7-CP-16QAM-Outer_Full-216@0-Ant1
t1-38.538-40.160-≤40-PASS



1-N66--15-40-L-8-CP-64QAM-Outer_Full-216@0-Ant1
t1-38.446-40.160-≤40-PASS



1-N66--15-40-L-9-CP-256QAM-Outer_Full-216@0-Ant1
t1-38.485-40.080-≤40-PASS



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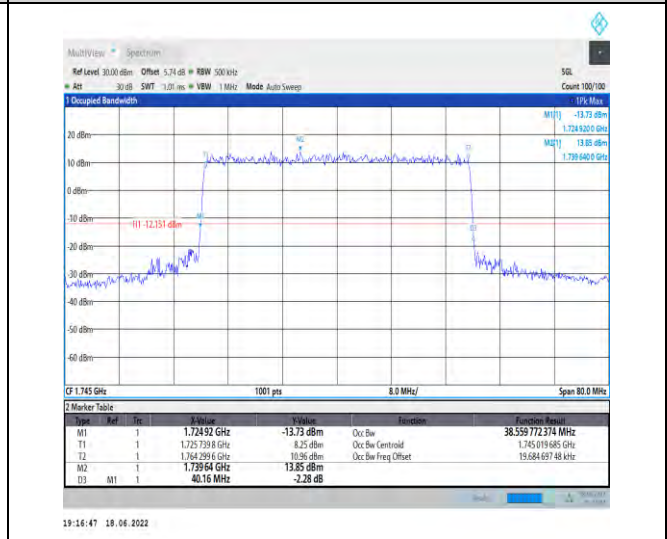
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1-N66--15-40-M-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.493-40.160-≤40-PASS



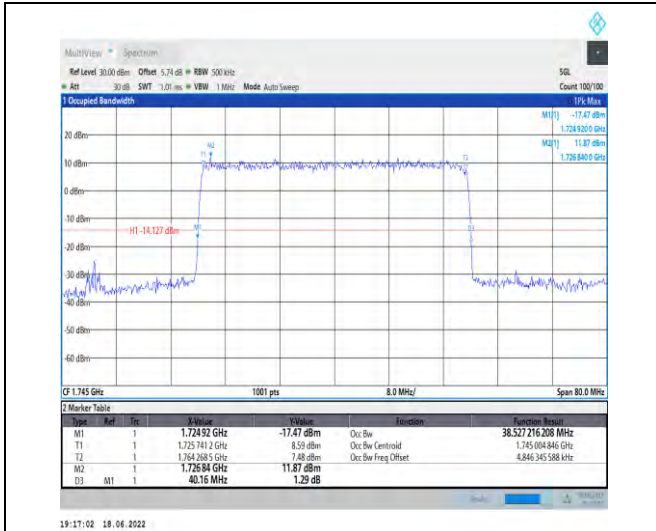
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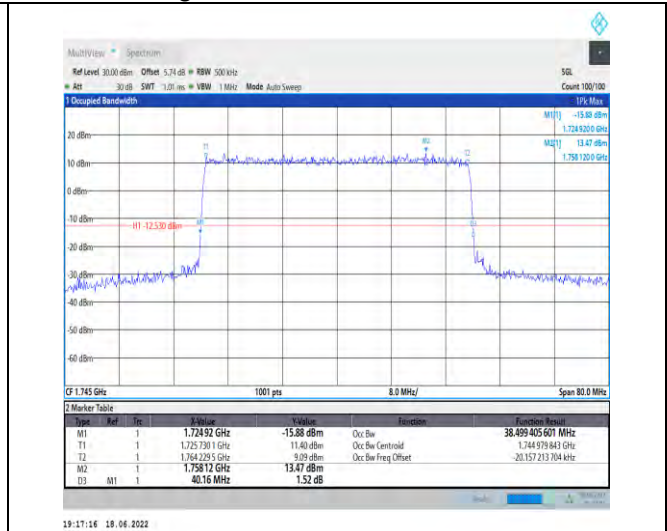
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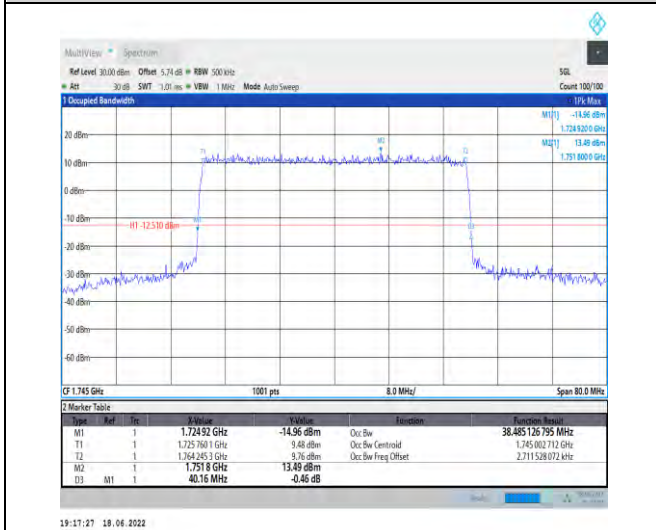
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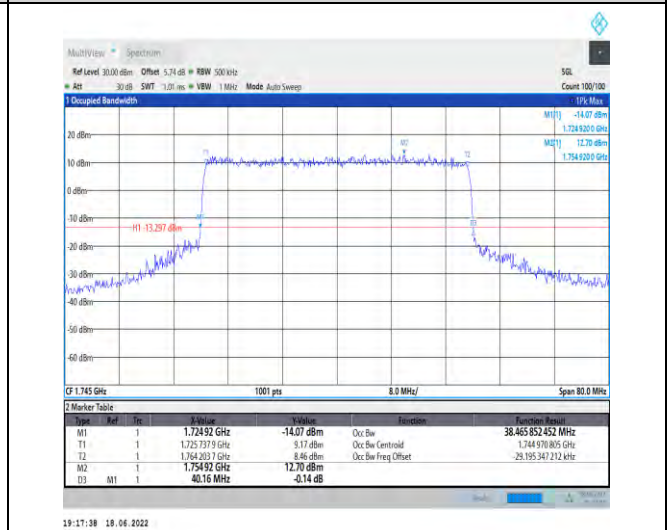
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1-N66--15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant1-38.485-40.160-≤ 40-PASS



1-N66--15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant1-38.466-40.160-≤ 40-PASS

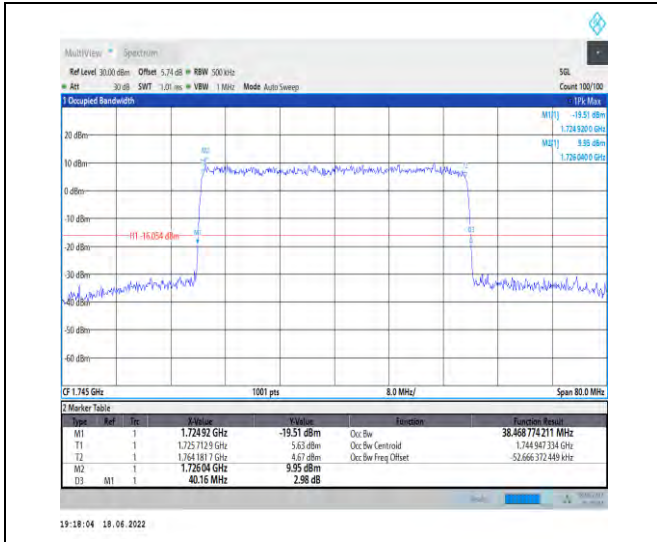


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1-N66--15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant1-38.469-40.160-≤ 40-PASS

1-N66--15-40-H-1-DFT-QPSK-Outer_Full-216@0-An t1-38.531-40.160-≤ 40-PASS



1-N66--15-40-H-2-DFT-PI2BPSK-Outer_Full-216@0-Ant1-38.301-40.080-≤ 40-PASS

1-N66--15-40-H-3-DFT-16QAM-Outer_Full-216@0-A nt1-38.491-40.160-≤ 40-PASS



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1-N66--15-40-H-4-DFT-64QAM-Outer_Full-216@0-A
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1-N66--15-40-H-5-DFT-256QAM-Outer_Full-216@0-
Ant1-38.374-40.160-≤40-PASS



1-N66--15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant
1-38.461-40.160-≤40-PASS



1-N66--15-40-H-7-CP-16QAM-Outer_Full-216@0-Ant
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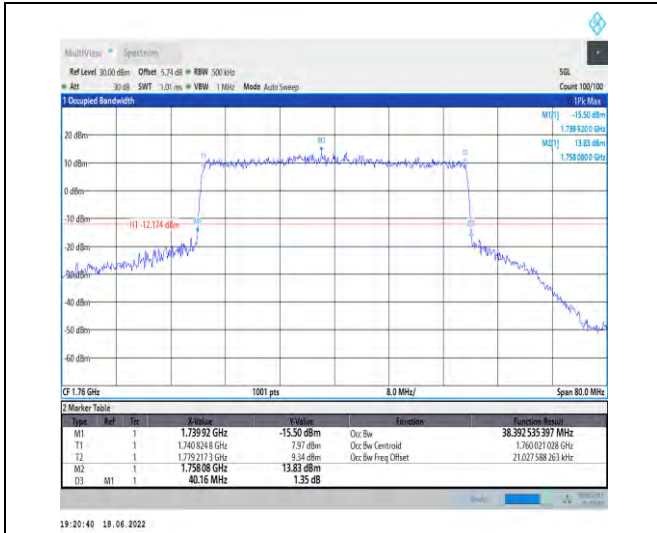


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1-N66--15-40-H-8-CP-64QAM-Outer_Full-216@0-An
t1-38.393-40.160-<40-PASS



1-N66--15-40-H-9-CP-256QAM-Outer_Full-216@0-A
nt1-38.513-40.160-<40-PASS



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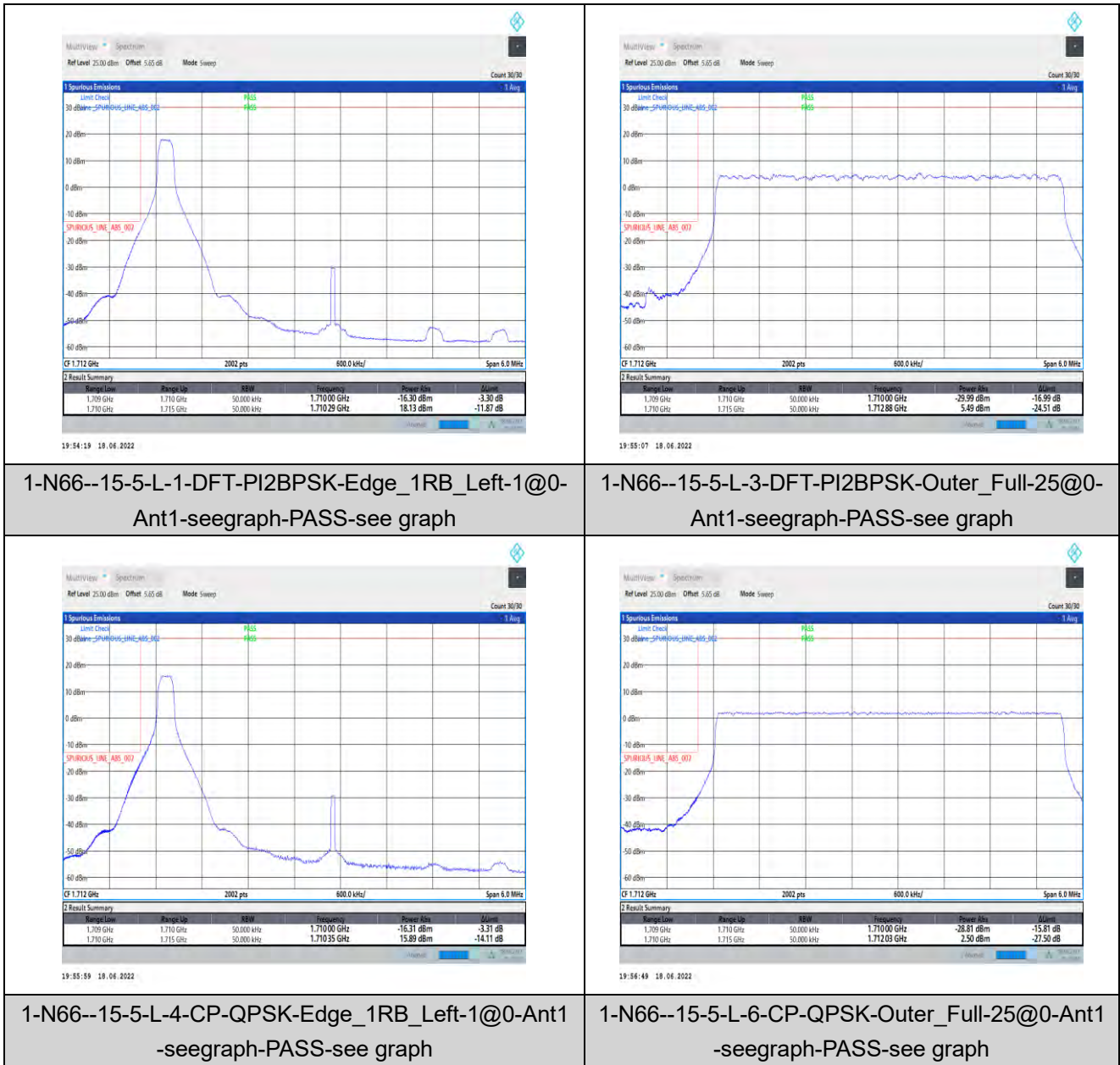
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Band Edge for SA

Test Graphs



1-N66--15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N66--15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph

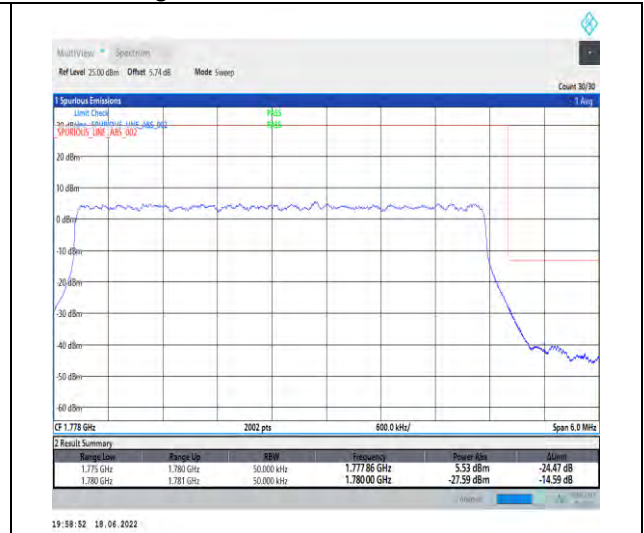
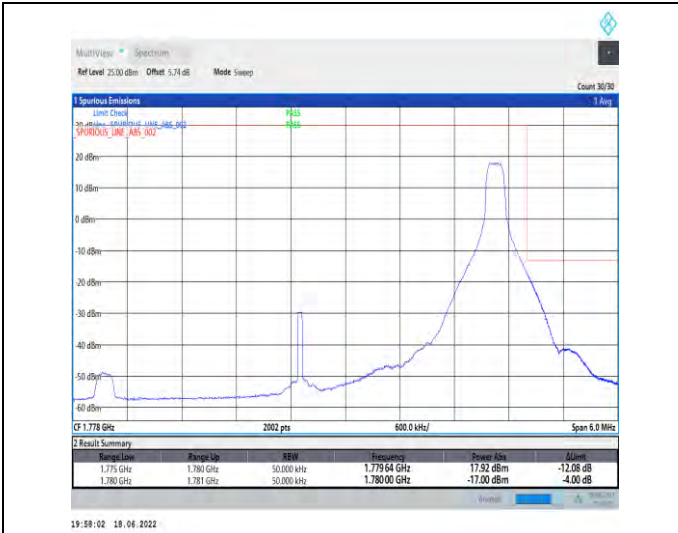
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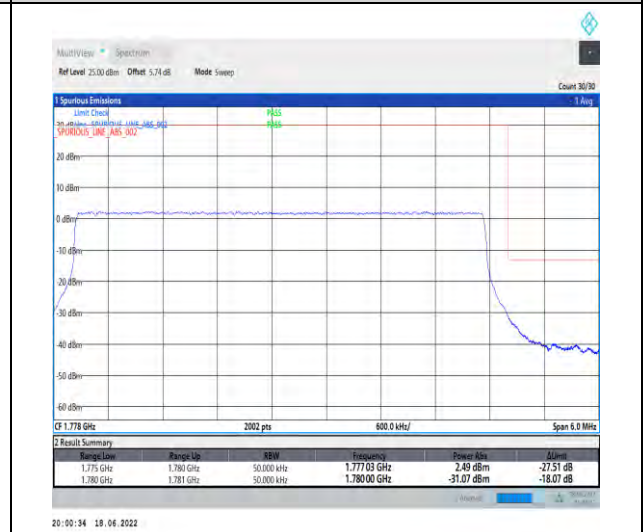
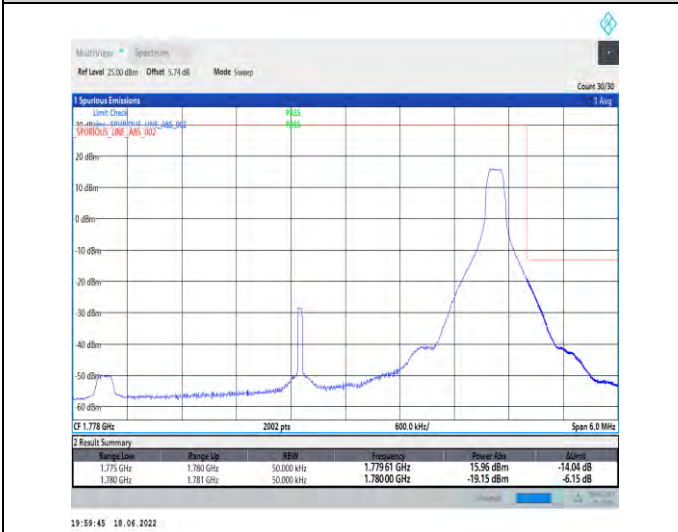
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1-N66--15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-seegraph-PASS-see graph

1-N66--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph



1-N66--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-seegraph-PASS-see graph

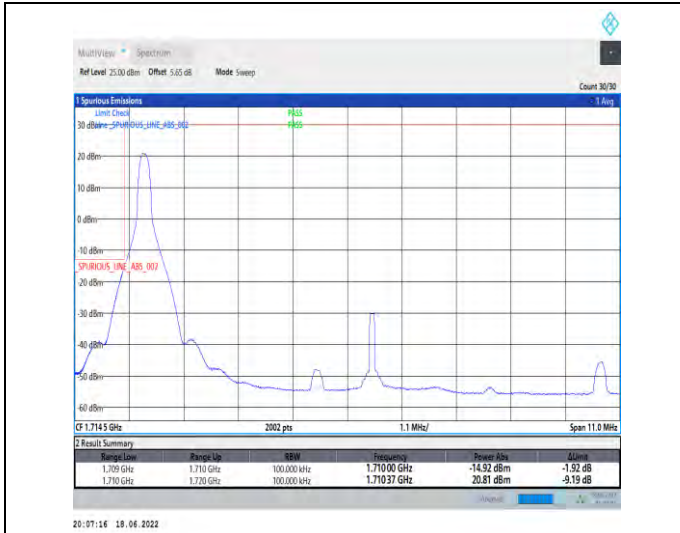
1-N66--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph



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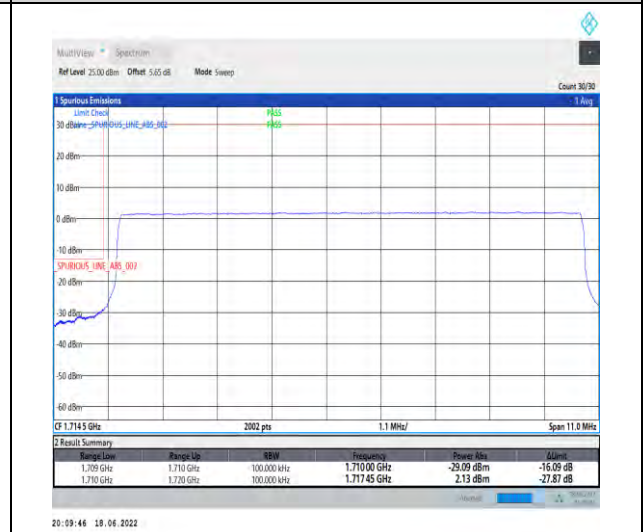
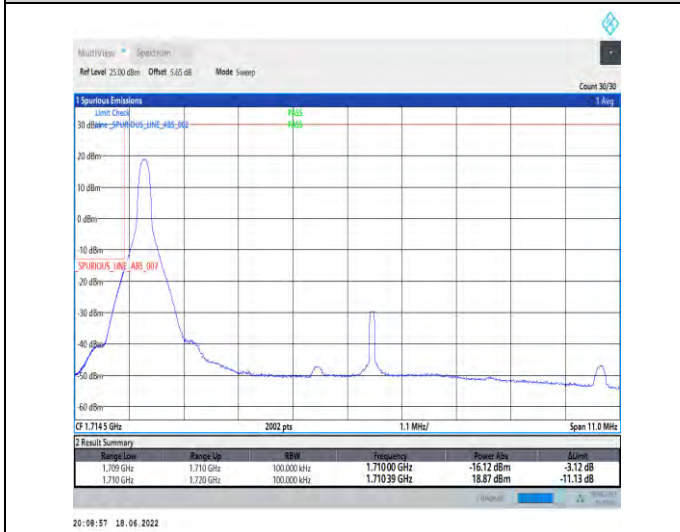
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1-N66--15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N66--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



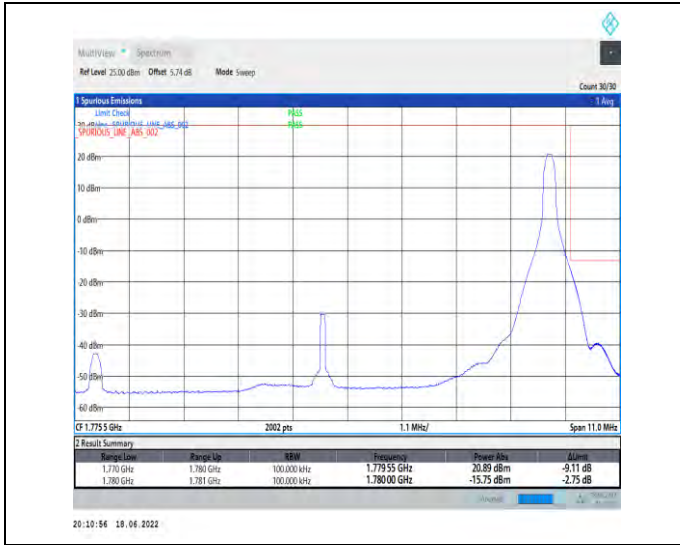
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1-N66--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph



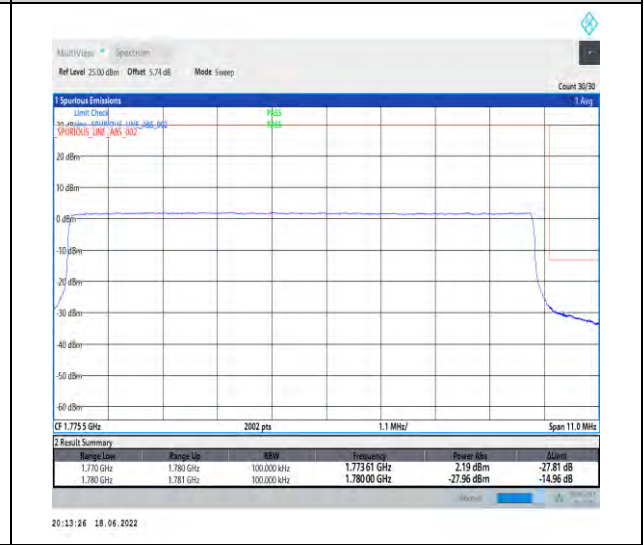
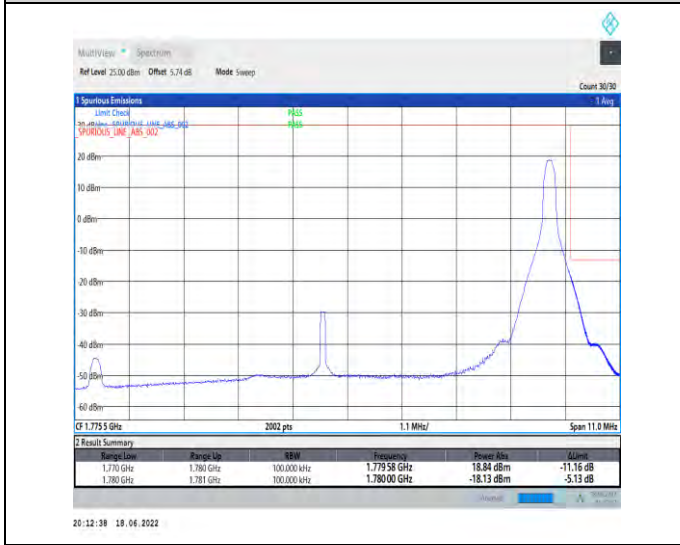
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1-N66--15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-seegraph-PASS-see graph

1-N66--15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



1-N66--15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-seegraph-PASS-see graph

1-N66--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph



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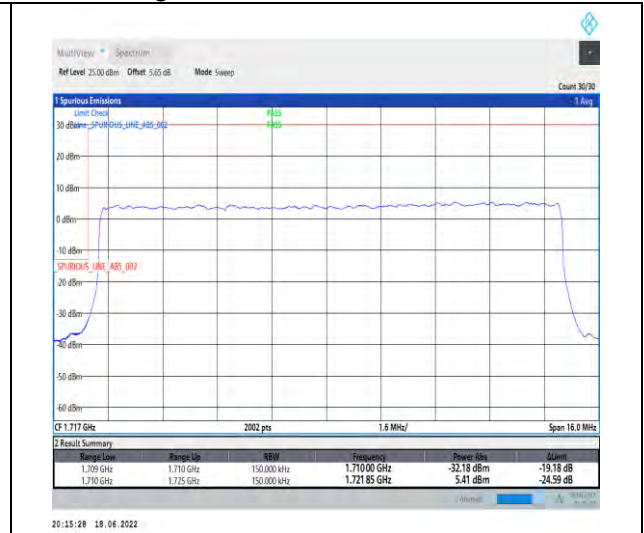
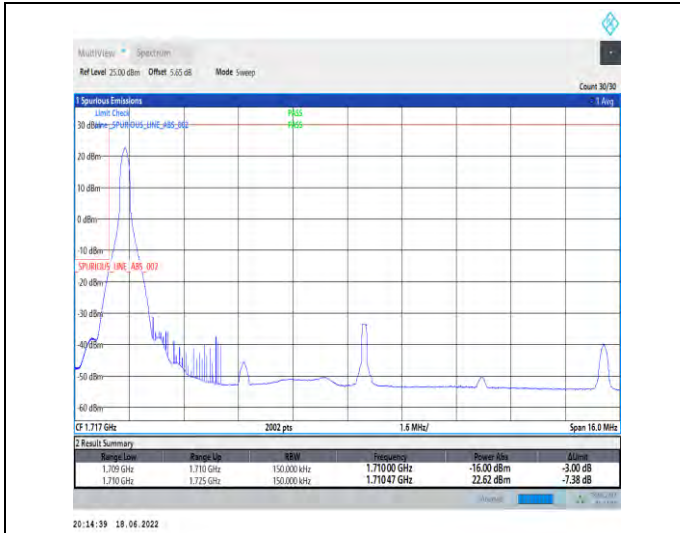
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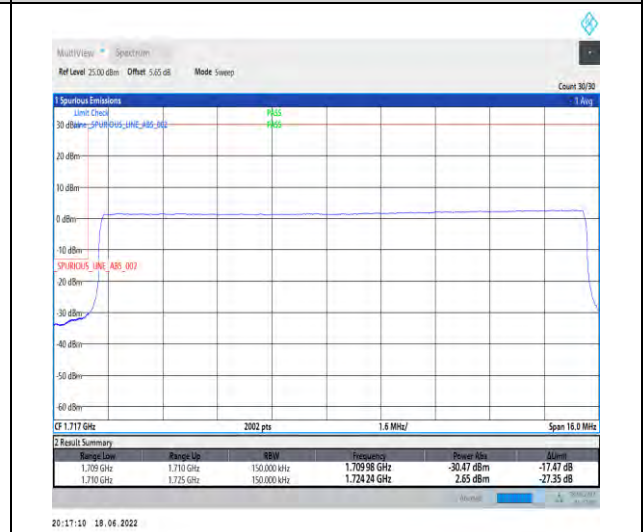
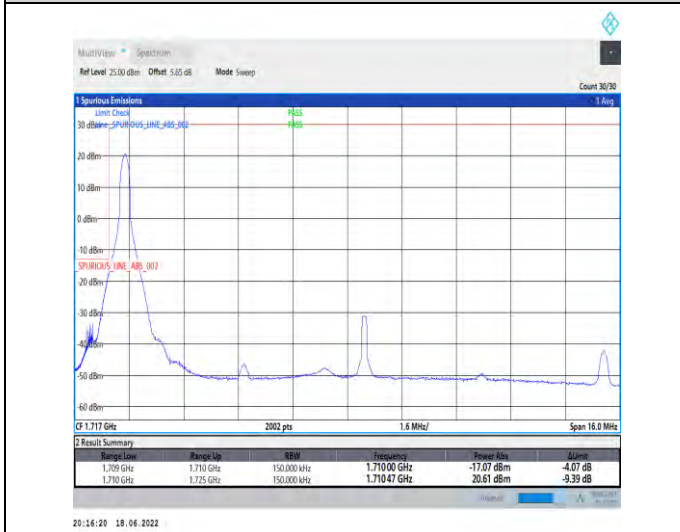
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1-N66--15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N66--15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph



1-N66--15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

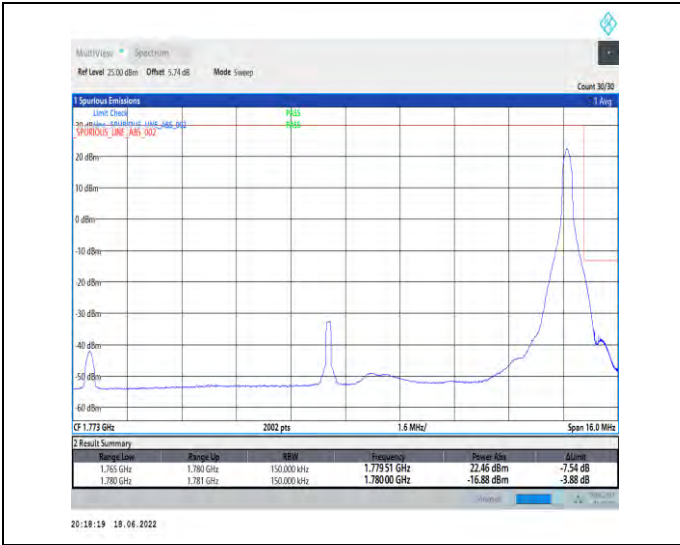
1-N66--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph



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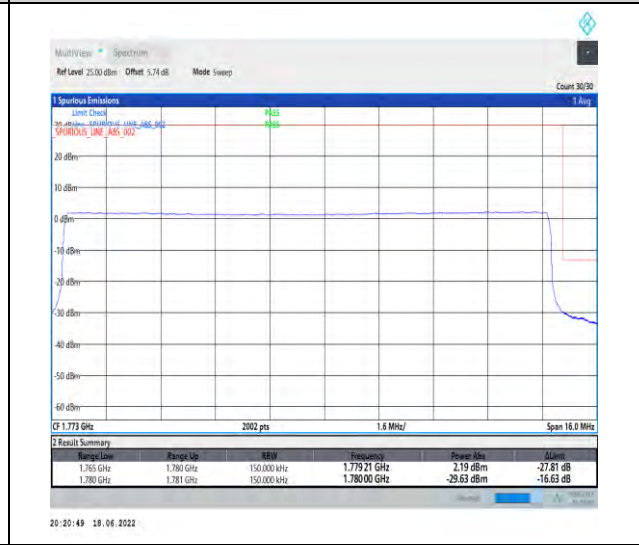
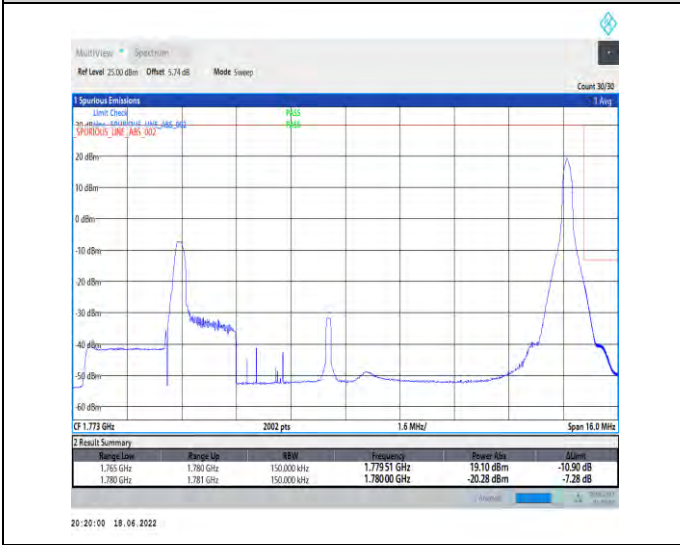
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1-N66--15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-seegraph-PASS-see graph

1-N66--15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph



1-N66--15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-seegraph-PASS-see graph

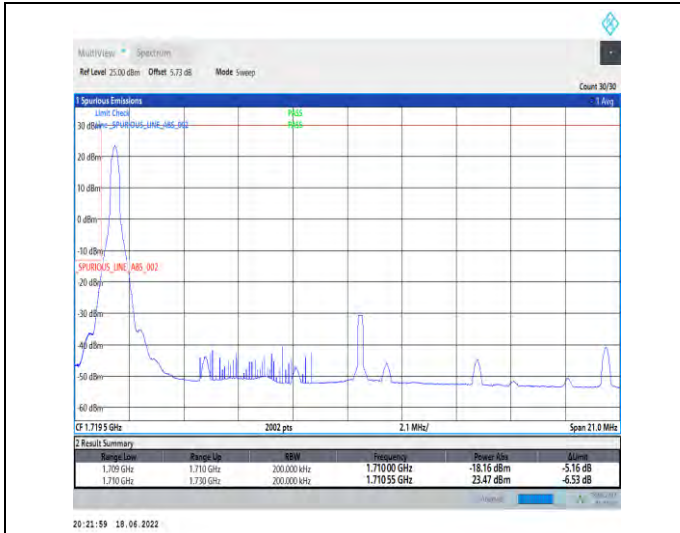
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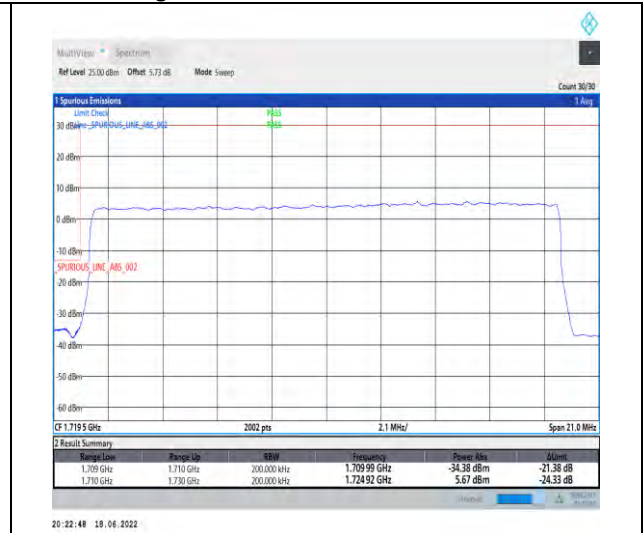
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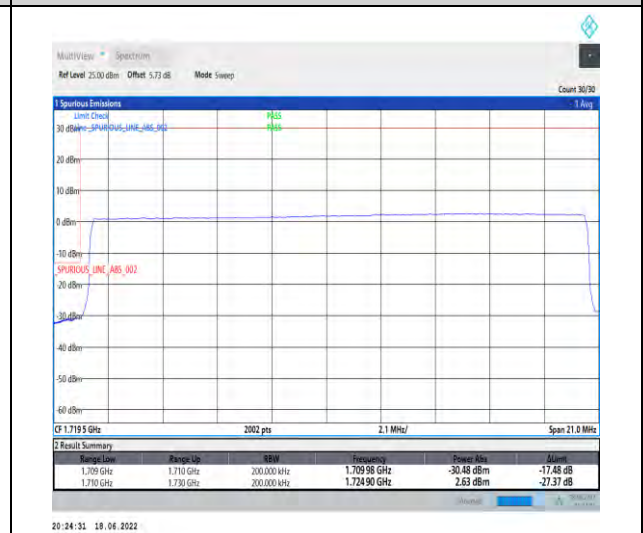
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-Ant1-seegraph-PASS-see graph



1-N66--15-20-L-3-DFT-PI2BPSK-Outer_Full-100@
0-Ant1-seegraph-PASS-see graph



1-N66--15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant
1-seegraph-PASS-see graph

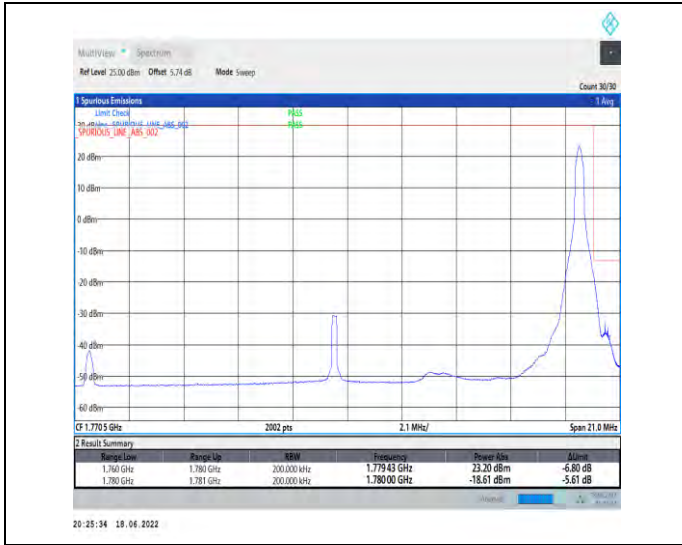


1-N66--15-20-L-6-CP-QPSK-Outer_Full-106@0-A
nt1-seegraph-PASS-see graph



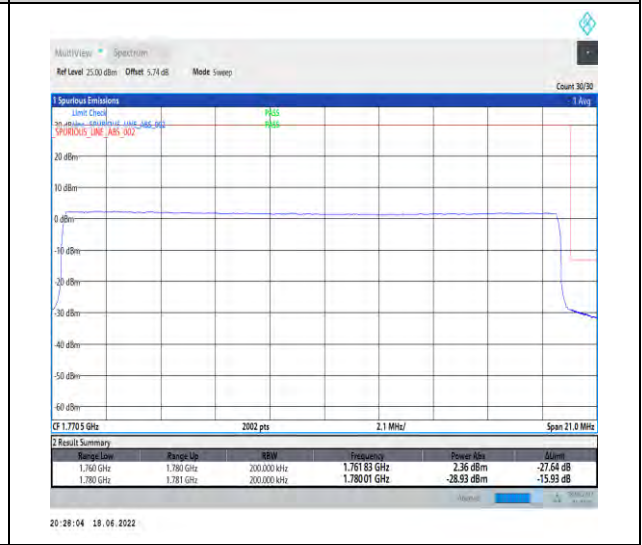
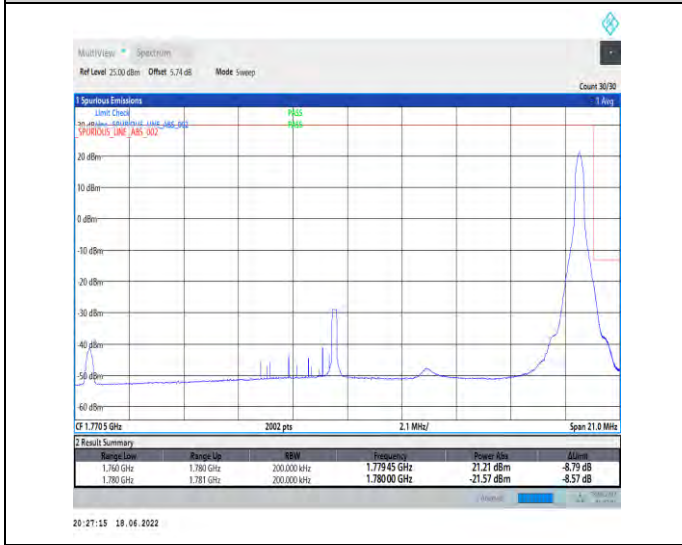
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1-N66--15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @105-Ant1-seegraph-PASS-see graph

1-N66--15-20-H-3-DFT-PI2BPSK-Outer_Full-100 @0-Ant1-seegraph-PASS-see graph



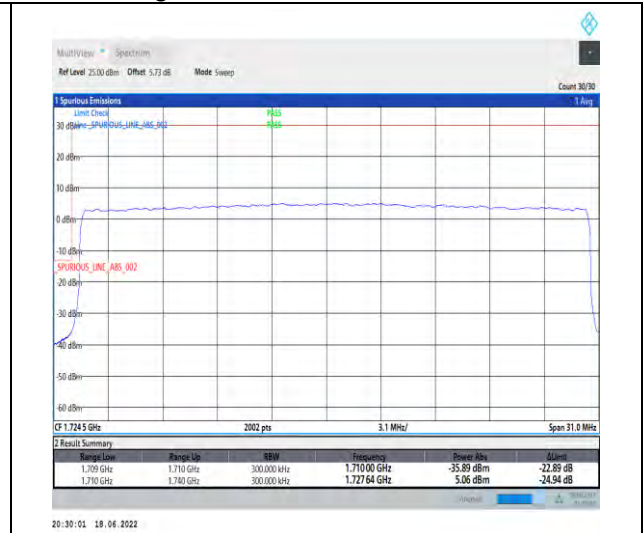
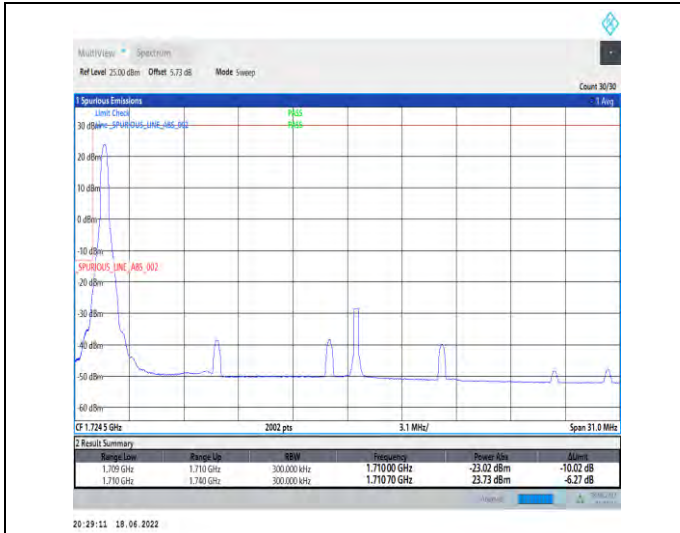
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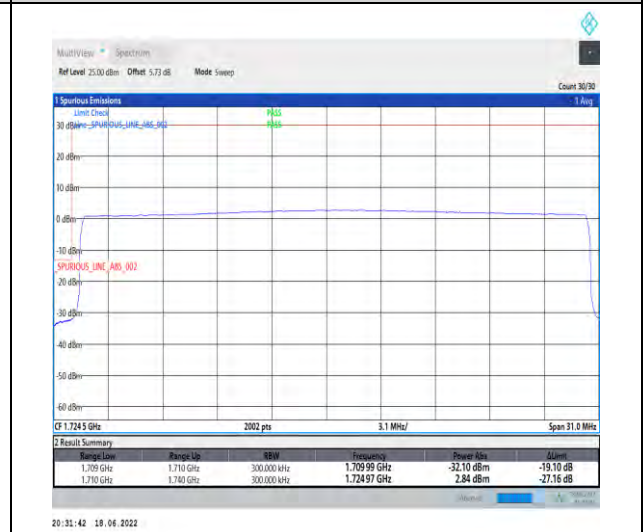
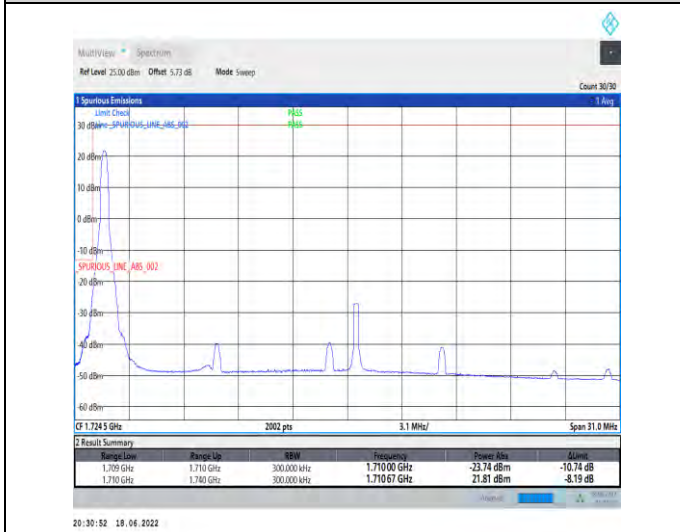
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1-N66--15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N66--15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-seegraph-PASS-see graph



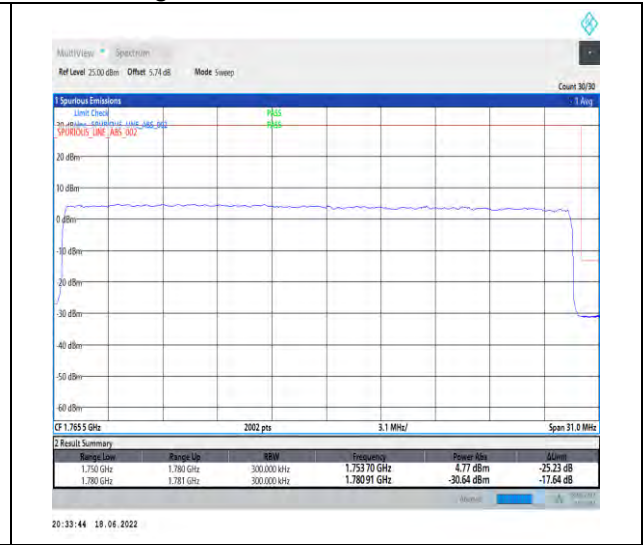
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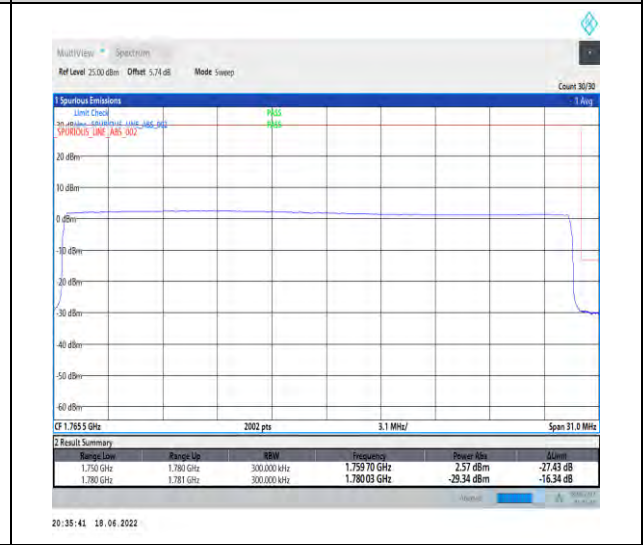
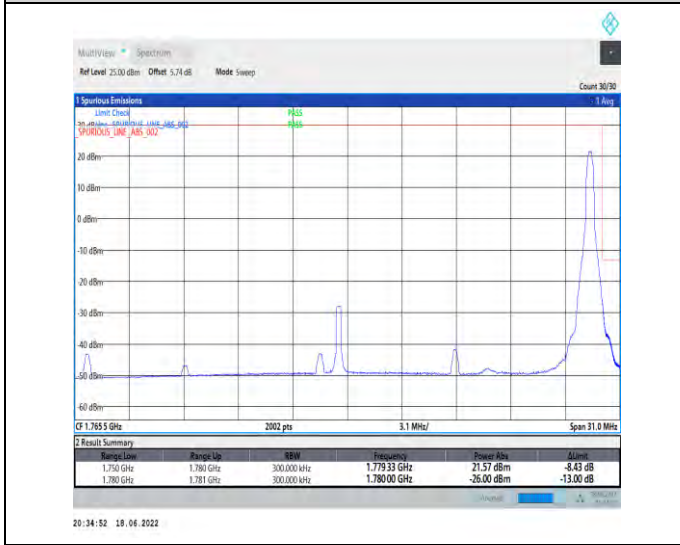
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1-N66--15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @159-Ant1-seegraph-PASS-see graph

1-N66--15-30-H-3-DFT-PI2BPSK-Outer_Full-160 @0-Ant1-seegraph-PASS-see graph



1-N66--15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159 -Ant1-seegraph-PASS-see graph

1-N66--15-30-H-6-CP-QPSK-Outer_Full-160@0-A -nt1-seegraph-PASS-see graph

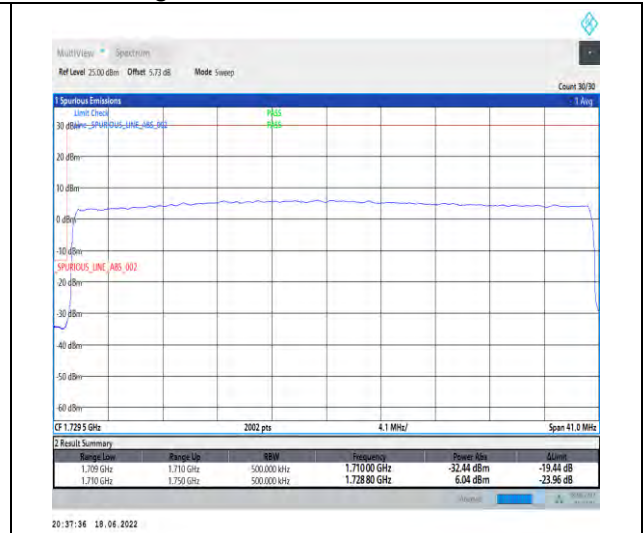


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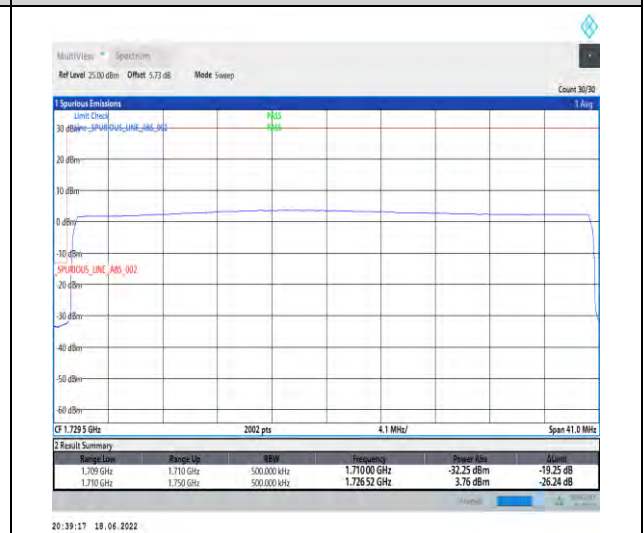
1-N66--15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



1-N66--15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-seegraph-PASS-see graph



1-N66--15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



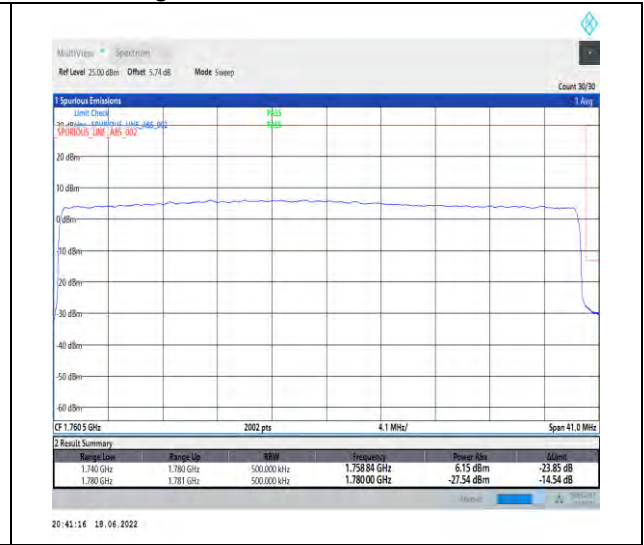
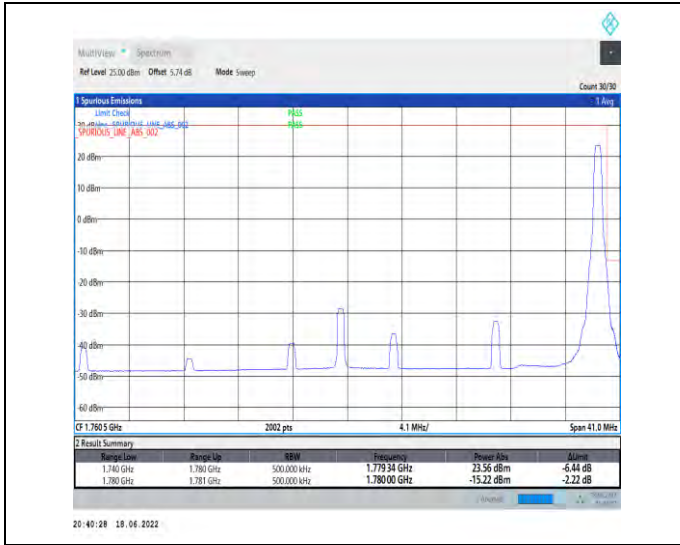
1-N66--15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-seegraph-PASS-see graph



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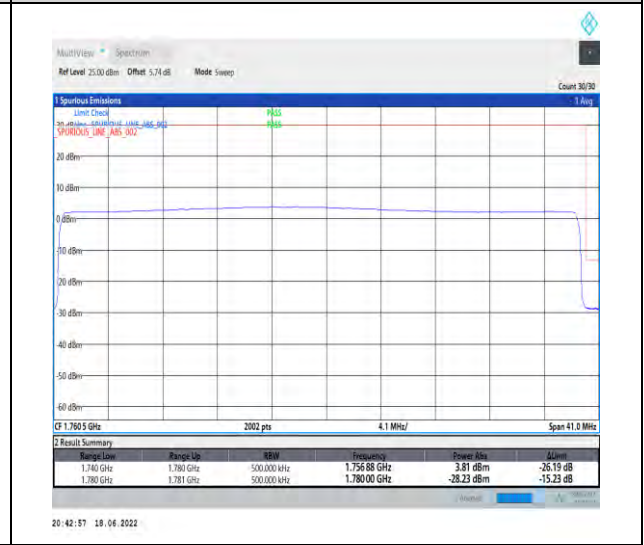
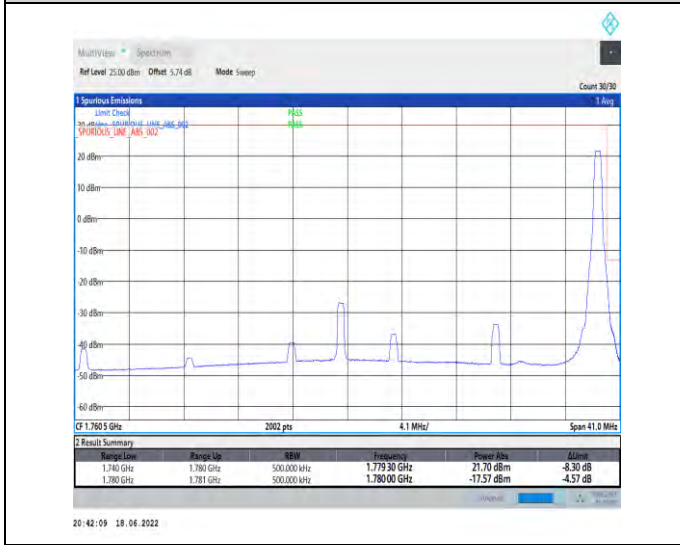
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1-N66--15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @215-Ant1-seegraph-PASS-see graph

1-N66--15-40-H-3-DFT-PI2BPSK-Outer_Full-216 @0-Ant1-seegraph-PASS-see graph



1-N66--15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215 -Ant1-seegraph-PASS-see graph

1-N66--15-40-H-6-CP-QPSK-Outer_Full-216@0-A -nt1-seegraph-PASS-see graph



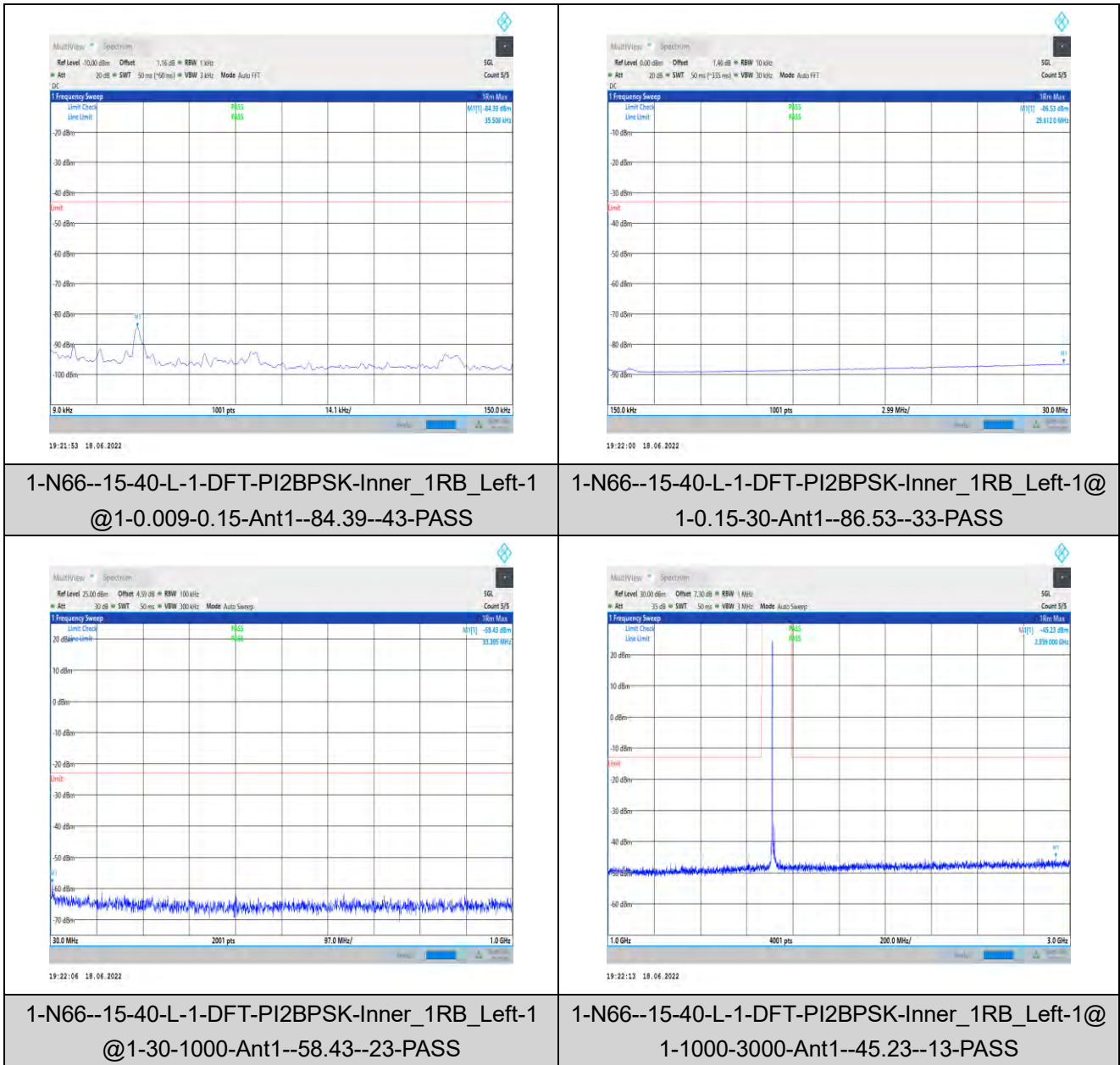
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Conducted Spurious Emission for SA

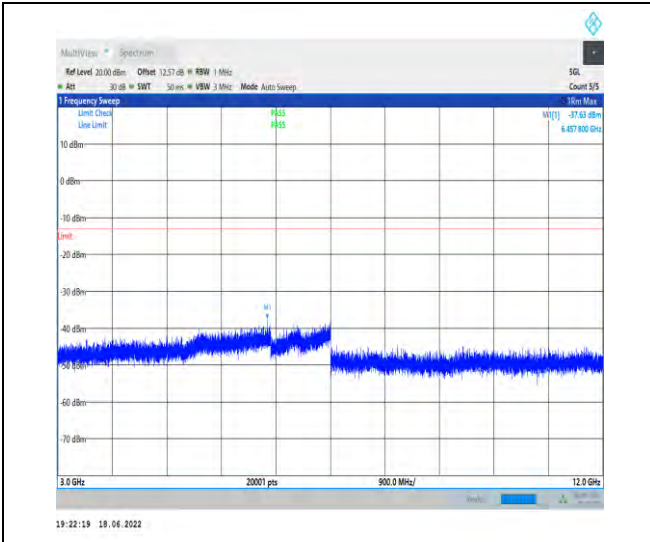
Test Graphs



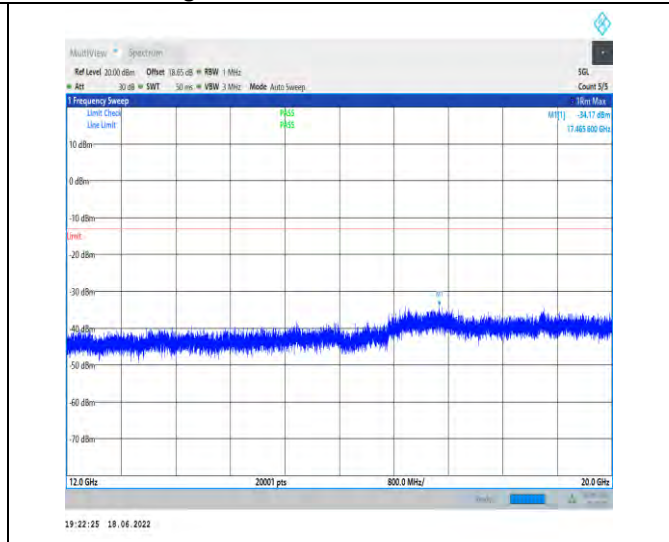
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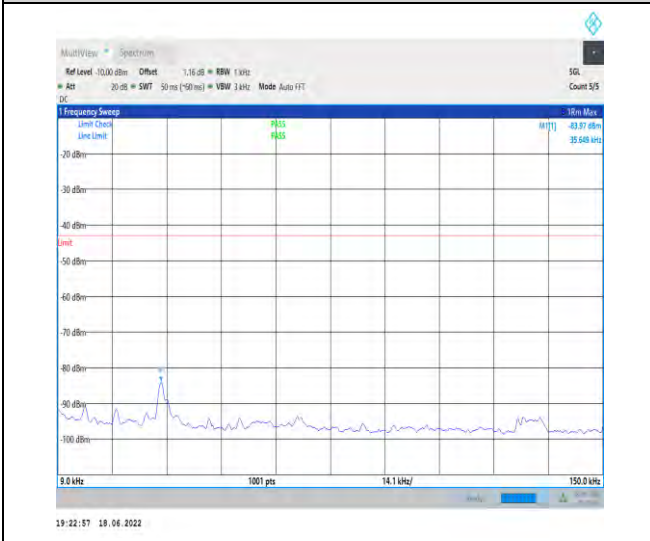
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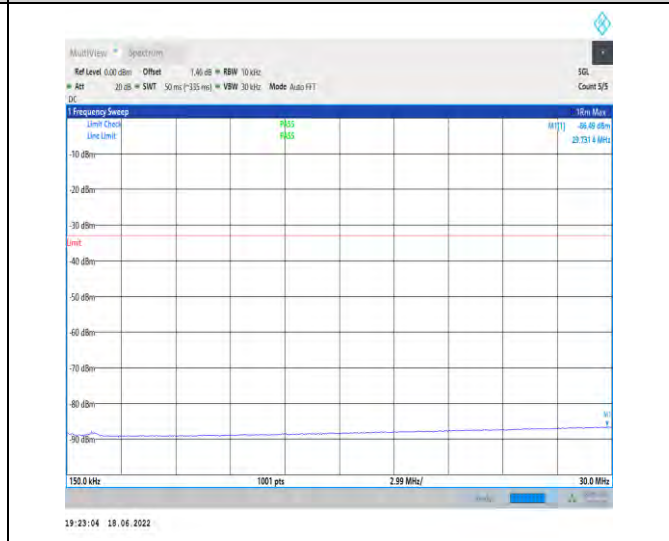
1-N66--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant1--37.63--13-PASS



1-N66--15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-12000-20000-Ant1--34.17--13-PASS



1-N66--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-0.009-0.15-Ant1--83.97--43-PASS



1-N66--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-0.15-30-Ant1--86.49--33-PASS



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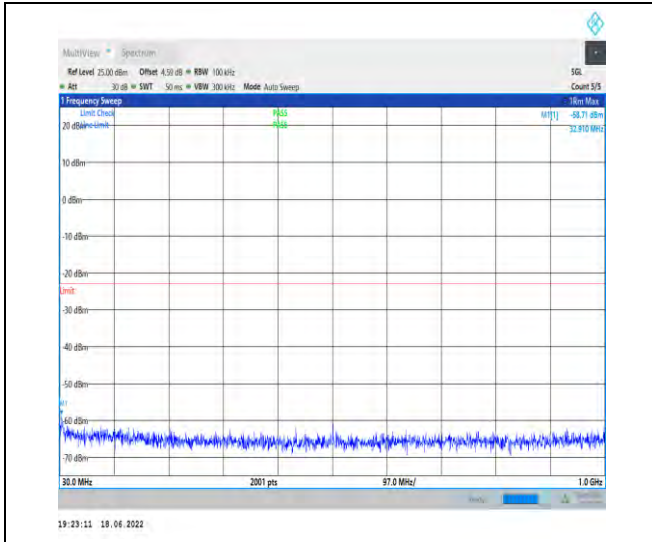
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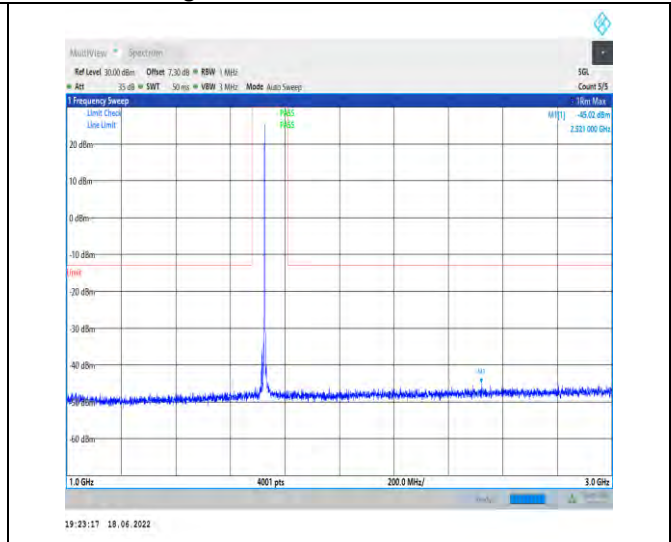
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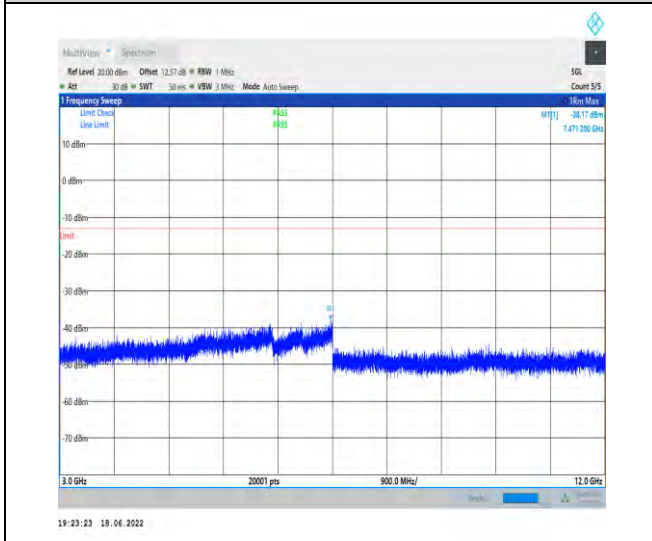
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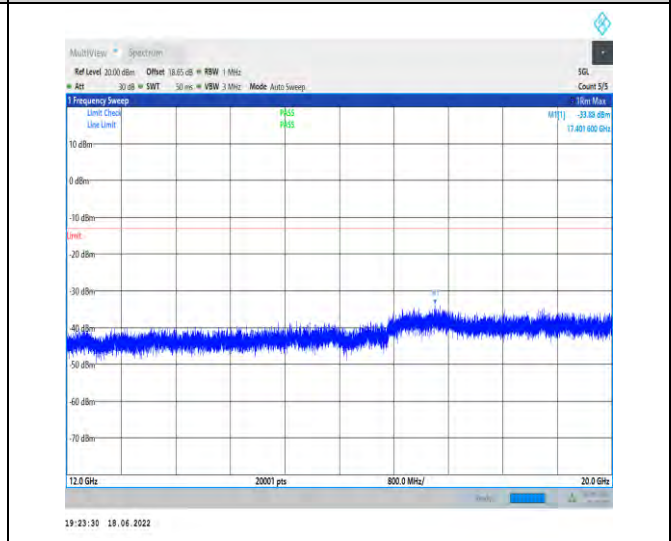
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1-N66--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-1000-3000-Ant1--45.02--13-PASS



1-N66--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant1--38.17--13-PASS



1-N66--15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-12000-20000-Ant1--33.88--13-PASS



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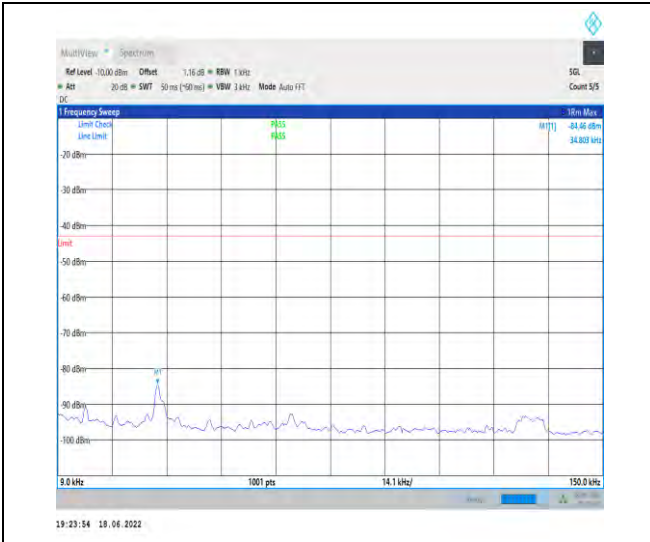
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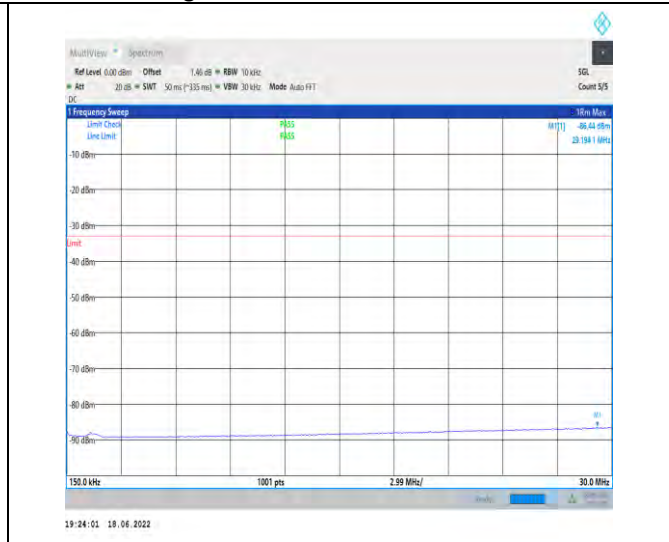
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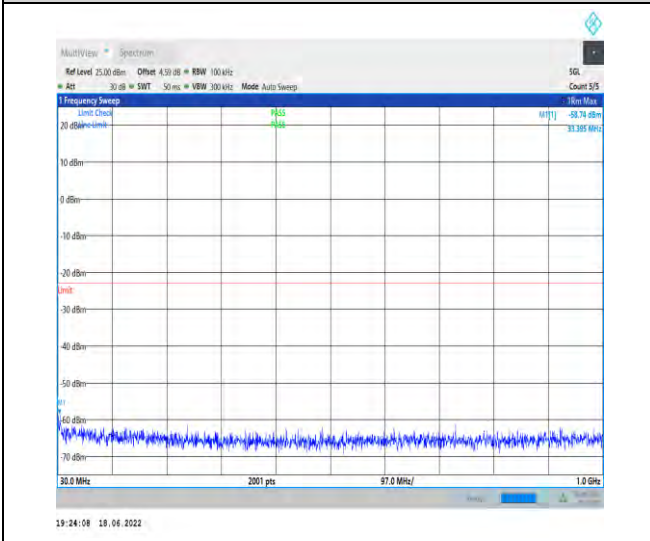
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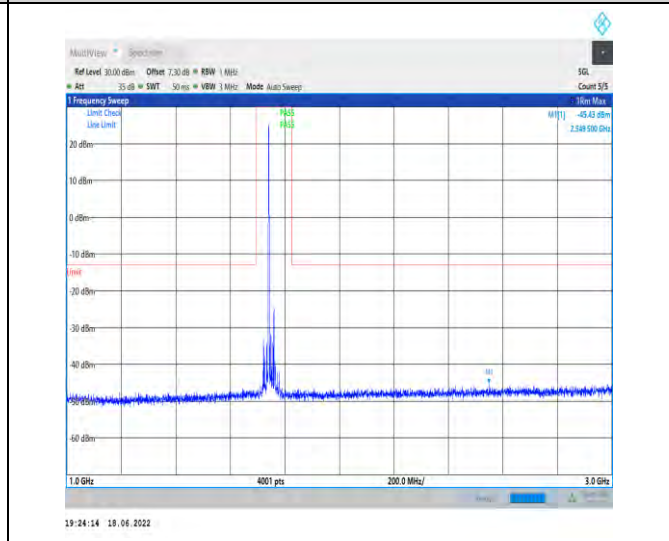
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1-N66--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-0.15-30-Ant1--86.44--33-PASS



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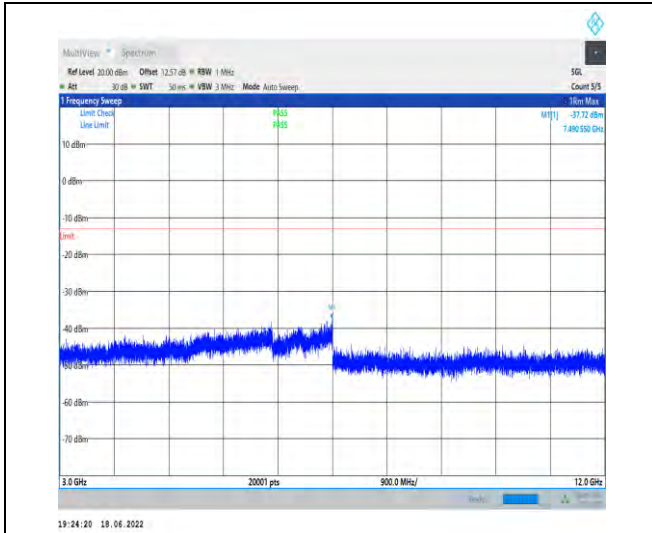


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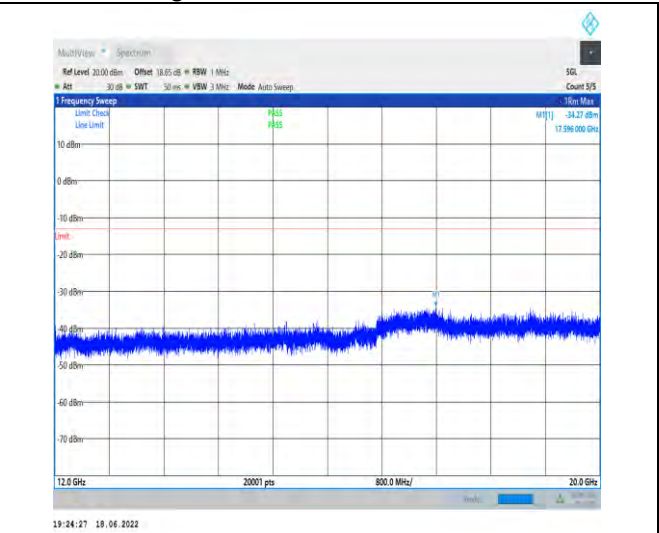


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1-N66--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1--37.72--13-PASS



1-N66--15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-12000-20000-Ant1--34.27--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band66_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	50.56	-112.09	-61.53	-13.00	48.53	136	224	Horizontal
2	5133.2700	49.00	-107.65	-58.65	-13.00	45.65	251	164	Horizontal
3	6844.3600	48.84	-103.51	-54.67	-13.00	41.67	164	0	Horizontal
4	8555.4500	46.40	-99.06	-52.66	-13.00	39.66	195	316	Horizontal
5	10266.5400	43.36	-95.66	-52.30	-13.00	39.30	172	118	Horizontal
6	11977.6300	40.35	-93.83	-53.48	-13.00	40.48	230	286	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	51.97	-112.09	-60.12	-13.00	47.12	136	225	Vertical
2	5133.2700	49.62	-107.65	-58.03	-13.00	45.03	251	105	Vertical
3	6844.3600	49.86	-103.51	-53.65	-13.00	40.65	164	105	Vertical
4	8555.4500	45.58	-99.06	-53.48	-13.00	40.48	195	211	Vertical
5	10266.5400	43.18	-95.66	-52.48	-13.00	39.48	174	3	Vertical
6	11977.6300	41.08	-93.83	-52.75	-13.00	39.75	180	125	Vertical



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Test Band = SA Band66_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	51.79	-112.03	-60.24	-13.00	47.24	236	150	Horizontal
2	5208.2700	49.00	-107.54	-58.54	-13.00	45.54	161	164	Horizontal
3	6944.3600	48.34	-103.10	-54.76	-13.00	41.76	154	150	Horizontal
4	8680.4500	46.98	-99.00	-52.02	-13.00	39.02	195	344	Horizontal
5	10416.5400	42.76	-95.36	-52.60	-13.00	39.60	142	209	Horizontal
6	12152.6300	43.51	-93.59	-50.08	-13.00	37.08	231	135	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	50.80	-112.03	-61.23	-13.00	48.23	251	212	Vertical
2	5208.2700	49.81	-107.54	-57.73	-13.00	44.73	188	2	Vertical
3	6944.3600	49.24	-103.10	-53.86	-13.00	40.86	194	301	Vertical
4	8680.4500	47.83	-99.00	-51.17	-13.00	38.17	172	347	Vertical
5	10416.5400	42.62	-95.36	-52.74	-13.00	39.74	230	16	Vertical
6	12152.6300	42.35	-93.59	-51.24	-13.00	38.24	132	150	Vertical



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Test Band = SA Band66_ TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	50.32	-111.95	-61.63	-13.00	48.63	189	125	Horizontal
2	5283.2700	49.37	-107.47	-58.10	-13.00	45.10	174	344	Horizontal
3	7044.3600	47.86	-102.91	-55.05	-13.00	42.05	169	41	Horizontal
4	8805.4500	46.37	-98.43	-52.06	-13.00	39.06	154	238	Horizontal
5	10566.5400	42.98	-94.81	-51.83	-13.00	38.83	182	26	Horizontal
6	12327.6300	42.17	-93.62	-51.45	-13.00	38.45	230	300	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	53.28	-111.95	-58.67	-13.00	45.67	111	316	Vertical
2	5283.2700	49.66	-107.47	-57.81	-13.00	44.81	269	29	Vertical
3	7044.3600	48.40	-102.91	-54.51	-13.00	41.51	199	1	Vertical
4	8805.4500	46.30	-98.43	-52.13	-13.00	39.13	184	29	Vertical
5	10566.5400	42.94	-94.81	-51.87	-13.00	38.87	175	332	Vertical
6	12327.6300	42.51	-93.62	-51.11	-13.00	38.11	211	58	Vertical



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Test Band = NSA 13A-n66A_TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	50.79	-112.08	-61.29	-13.00	48.29	158	1	Horizontal
2	5136.2700	48.59	-107.64	-59.05	-13.00	46.05	148	15	Horizontal
3	6848.3600	47.87	-103.50	-55.63	-13.00	42.63	195	314	Horizontal
4	8560.4500	45.93	-99.04	-53.11	-13.00	40.11	162	2	Horizontal
5	10272.5400	42.88	-95.63	-52.75	-13.00	39.75	145	266	Horizontal
6	11984.6300	41.30	-93.86	-52.56	-13.00	39.56	233	272	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	50.71	-112.08	-61.37	-13.00	48.37	165	15	Vertical
2	5136.2700	48.70	-107.64	-58.94	-13.00	45.94	145	89	Vertical
3	6848.3600	48.36	-103.50	-55.14	-13.00	42.14	182	193	Vertical
4	8560.4500	46.67	-99.04	-52.37	-13.00	39.37	165	7	Vertical
5	10272.5400	43.05	-95.63	-52.58	-13.00	39.58	135	164	Vertical
6	11984.6300	40.83	-93.86	-53.03	-13.00	40.03	147	166	Vertical



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Test Band = NSA 13A-n66A_TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	50.73	-112.05	-61.32	-13.00	48.32	255	346	Horizontal
2	5181.2700	48.56	-107.58	-59.02	-13.00	46.02	122	144	Horizontal
3	6908.3600	49.09	-103.34	-54.25	-13.00	41.25	195	1	Horizontal
4	8635.4500	45.32	-98.91	-53.59	-13.00	40.59	125	285	Horizontal
5	10362.5400	43.62	-95.45	-51.83	-13.00	38.83	145	6	Horizontal
6	12089.6300	40.06	-93.59	-53.53	-13.00	40.53	261	239	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	51.25	-112.05	-60.80	-13.00	47.80	184	112	Vertical
2	5181.2700	48.39	-107.58	-59.19	-13.00	46.19	175	210	Vertical
3	6908.3600	48.58	-103.34	-54.76	-13.00	41.76	126	236	Vertical
4	8635.4500	45.57	-98.91	-53.34	-13.00	40.34	269	287	Vertical
5	10362.5400	43.26	-95.45	-52.19	-13.00	39.19	191	287	Vertical
6	12089.6300	41.17	-93.59	-52.42	-13.00	39.42	145	1	Vertical



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Test Band = NSA 13A-n66A_TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	50.95	-112.02	-61.07	-13.00	48.07	169	125	Horizontal
2	5226.2700	48.88	-107.52	-58.64	-13.00	45.64	154	181	Horizontal
3	6968.3600	47.62	-102.94	-55.32	-13.00	42.32	185	104	Horizontal
4	8710.4500	45.74	-98.97	-53.23	-13.00	40.23	142	74	Horizontal
5	10452.5400	42.78	-95.25	-52.47	-13.00	39.47	233	3	Horizontal
6	12194.6300	40.86	-93.62	-52.76	-13.00	39.76	261	240	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	51.65	-112.02	-60.37	-13.00	47.37	214	240	Vertical
2	5226.2700	48.67	-107.52	-58.85	-13.00	45.85	253	255	Vertical
3	6968.3600	48.04	-102.94	-54.90	-13.00	41.90	200	330	Vertical
4	8710.4500	47.57	-98.97	-51.40	-13.00	38.40	211	255	Vertical
5	10452.5400	43.58	-95.25	-51.67	-13.00	38.67	306	118	Vertical
6	12194.6300	41.47	-93.62	-52.15	-13.00	39.15	145	104	Vertical



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Test Band = NSA 2A-n66A_TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	50.93	-112.08	-61.15	-13.00	48.15	111	269	Horizontal
2	5136.2700	48.02	-107.64	-59.62	-13.00	46.62	230	286	Horizontal
3	6848.3600	49.13	-103.50	-54.37	-13.00	41.37	215	269	Horizontal
4	8560.4500	45.98	-99.04	-53.06	-13.00	40.06	211	209	Horizontal
5	10272.5400	43.12	-95.63	-52.51	-13.00	39.51	266	134	Horizontal
6	11984.6300	40.87	-93.86	-52.99	-13.00	39.99	177	41	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	50.93	-112.08	-61.15	-13.00	48.15	162	13	Vertical
2	5136.2700	49.14	-107.64	-58.50	-13.00	45.50	265	55	Vertical
3	6848.3600	48.45	-103.50	-55.05	-13.00	42.05	241	26	Vertical
4	8560.4500	45.62	-99.04	-53.42	-13.00	40.42	284	162	Vertical
5	10272.5400	42.74	-95.63	-52.89	-13.00	39.89	194	26	Vertical
6	11984.6300	39.71	-93.86	-54.15	-13.00	41.15	173	162	Vertical



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Test Band = NSA 2A-n66A_TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	52.00	-112.05	-60.05	-13.00	47.05	241	26	Horizontal
2	5181.2700	48.04	-107.58	-59.54	-13.00	46.54	212	26	Horizontal
3	6908.3600	47.88	-103.34	-55.46	-13.00	42.46	236	330	Horizontal
4	8635.4500	46.97	-98.91	-51.94	-13.00	38.94	254	144	Horizontal
5	10362.5400	42.43	-95.45	-53.02	-13.00	40.02	285	150	Horizontal
6	12089.6300	41.06	-93.59	-52.53	-13.00	39.53	126	104	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	50.07	-112.05	-61.98	-13.00	48.98	148	330	Vertical
2	5181.2700	49.67	-107.58	-57.91	-13.00	44.91	255	6	Vertical
3	6908.3600	48.30	-103.34	-55.04	-13.00	42.04	142	73	Vertical
4	8635.4500	46.65	-98.91	-52.26	-13.00	39.26	223	104	Vertical
5	10362.5400	43.09	-95.45	-52.36	-13.00	39.36	269	42	Vertical
6	12089.6300	40.65	-93.59	-52.94	-13.00	39.94	285	330	Vertical



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Test Band = NSA 2A-n66A_TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	51.24	-112.02	-60.78	-13.00	47.78	126	287	Horizontal
2	5226.2700	48.58	-107.52	-58.94	-13.00	45.94	235	164	Horizontal
3	6968.3600	47.76	-102.94	-55.18	-13.00	42.18	142	240	Horizontal
4	8710.4500	47.33	-98.97	-51.64	-13.00	38.64	169	1	Horizontal
5	10452.5400	42.55	-95.25	-52.70	-13.00	39.70	195	104	Horizontal
6	12194.6300	40.86	-93.62	-52.76	-13.00	39.76	148	8	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	51.39	-112.02	-60.63	-13.00	47.63	185	254	Vertical
2	5226.2700	49.85	-107.52	-57.67	-13.00	44.67	164	209	Vertical
3	6968.3600	48.69	-102.94	-54.25	-13.00	41.25	175	68	Vertical
4	8710.4500	47.42	-98.97	-51.55	-13.00	38.55	148	68	Vertical
5	10452.5400	45.33	-95.25	-49.92	-13.00	36.92	192	162	Vertical
6	12194.6300	42.39	-93.62	-51.23	-13.00	38.23	154	5	Vertical



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Test Band = NSA 5A-n66A_TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	51.15	-112.08	-60.93	-13.00	47.93	166	117	Horizontal
2	5136.2700	48.66	-107.64	-58.98	-13.00	45.98	154	1	Horizontal
3	6848.3600	49.70	-103.50	-53.80	-13.00	40.80	185	194	Horizontal
4	8560.4500	46.55	-99.04	-52.49	-13.00	39.49	146	103	Horizontal
5	10272.5400	44.14	-95.63	-51.49	-13.00	38.49	192	163	Horizontal
6	11984.6300	42.86	-93.86	-51.00	-13.00	38.00	170	331	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	51.37	-112.08	-60.71	-13.00	47.71	169	356	Vertical
2	5136.2700	49.02	-107.64	-58.62	-13.00	45.62	145	316	Vertical
3	6848.3600	48.71	-103.50	-54.79	-13.00	41.79	185	125	Vertical
4	8560.4500	46.78	-99.04	-52.26	-13.00	39.26	146	118	Vertical
5	10272.5400	43.17	-95.63	-52.46	-13.00	39.46	192	211	Vertical
6	11984.6300	40.71	-93.86	-53.15	-13.00	40.15	177	71	Vertical



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Test Band = NSA 5A-n66A_TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	50.71	-112.05	-61.34	-13.00	48.34	251	89	Horizontal
2	5181.2700	48.37	-107.58	-59.21	-13.00	46.21	148	356	Horizontal
3	6908.3600	49.45	-103.34	-53.89	-13.00	40.89	196	270	Horizontal
4	8635.4500	47.91	-98.91	-51.00	-13.00	38.00	265	330	Horizontal
5	10362.5400	42.89	-95.45	-52.56	-13.00	39.56	148	1	Horizontal
6	12089.6300	40.98	-93.59	-52.61	-13.00	39.61	172	103	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	51.23	-112.05	-60.82	-13.00	47.82	145	120	Vertical
2	5181.2700	48.80	-107.58	-58.78	-13.00	45.78	195	357	Vertical
3	6908.3600	48.38	-103.34	-54.96	-13.00	41.96	184	196	Vertical
4	8635.4500	46.59	-98.91	-52.32	-13.00	39.32	175	165	Vertical
5	10362.5400	42.70	-95.45	-52.75	-13.00	39.75	236	272	Vertical
6	12089.6300	41.47	-93.59	-52.12	-13.00	39.12	156	213	Vertical



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Test Band = NSA 5A-n66A_TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	51.48	-112.02	-60.54	-13.00	47.54	199	227	Horizontal
2	5226.2700	48.59	-107.52	-58.93	-13.00	45.93	154	356	Horizontal
3	6968.3600	47.19	-102.94	-55.75	-13.00	42.75	178	43	Horizontal
4	8710.4500	45.89	-98.97	-53.08	-13.00	40.08	196	210	Horizontal
5	10452.5400	42.52	-95.25	-52.73	-13.00	39.73	162	300	Horizontal
6	12194.6300	40.06	-93.62	-53.56	-13.00	40.56	142	179	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	50.77	-112.02	-61.25	-13.00	48.25	169	165	Vertical
2	5226.2700	50.60	-107.52	-56.92	-13.00	43.92	194	302	Vertical
3	6968.3600	48.13	-102.94	-54.81	-13.00	41.81	175	317	Vertical
4	8710.4500	46.08	-98.97	-52.89	-13.00	39.89	155	197	Vertical
5	10452.5400	41.44	-95.25	-53.81	-13.00	40.81	184	302	Vertical
6	12194.6300	40.87	-93.62	-52.75	-13.00	39.75	139	3	Vertical



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Test Band = NSA 12A-n66A_TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	51.15	-112.08	-60.93	-13.00	47.93	154	16	Horizontal
2	5136.2700	48.16	-107.64	-59.48	-13.00	46.48	165	166	Horizontal
3	6848.3600	47.41	-103.50	-56.09	-13.00	43.09	195	269	Horizontal
4	8560.4500	45.29	-99.04	-53.75	-13.00	40.75	148	74	Horizontal
5	10272.5400	42.43	-95.63	-53.20	-13.00	40.20	172	285	Horizontal
6	11984.6300	38.71	-93.86	-55.15	-13.00	42.15	230	44	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.1800	49.98	-112.08	-62.10	-13.00	49.10	269	347	Vertical
2	5136.2700	48.70	-107.64	-58.94	-13.00	45.94	184	257	Vertical
3	6848.3600	48.37	-103.50	-55.13	-13.00	42.13	172	180	Vertical
4	8560.4500	45.31	-99.04	-53.73	-13.00	40.73	251	257	Vertical
5	10272.5400	42.05	-95.63	-53.58	-13.00	40.58	299	317	Vertical
6	11984.6300	39.22	-93.86	-54.64	-13.00	41.64	142	243	Vertical



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Test Band = NSA 12A-n66A_TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	49.48	-112.05	-62.57	-13.00	49.57	154	312	Horizontal
2	5181.2700	49.02	-107.58	-58.56	-13.00	45.56	126	117	Horizontal
3	6908.3600	47.32	-103.34	-56.02	-13.00	43.02	194	132	Horizontal
4	8635.4500	44.89	-98.91	-54.02	-13.00	41.02	175	283	Horizontal
5	10362.5400	42.64	-95.45	-52.81	-13.00	39.81	182	1	Horizontal
6	12089.6300	41.18	-93.59	-52.41	-13.00	39.41	133	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	50.52	-112.05	-61.53	-13.00	48.53	145	43	Vertical
2	5181.2700	48.71	-107.58	-58.87	-13.00	45.87	185	102	Vertical
3	6908.3600	48.09	-103.34	-55.25	-13.00	42.25	196	356	Vertical
4	8635.4500	45.77	-98.91	-53.14	-13.00	40.14	142	299	Vertical
5	10362.5400	41.98	-95.45	-53.47	-13.00	40.47	185	154	Vertical
6	12089.6300	40.13	-93.59	-53.46	-13.00	40.46	133	89	Vertical



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Test Band = NSA 12A-n66A_TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	50.91	-112.02	-61.11	-13.00	48.11	158	42	Horizontal
2	5226.2700	48.30	-107.52	-59.22	-13.00	46.22	148	330	Horizontal
3	6968.3600	48.92	-102.94	-54.02	-13.00	41.02	195	285	Horizontal
4	8710.4500	45.05	-98.97	-53.92	-13.00	40.92	146	356	Horizontal
5	10452.5400	42.13	-95.25	-53.12	-13.00	40.12	176	237	Horizontal
6	12194.6300	40.15	-93.62	-53.47	-13.00	40.47	266	6	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3484.1800	50.09	-112.02	-61.93	-13.00	48.93	155	356	Vertical
2	5226.2700	48.84	-107.52	-58.68	-13.00	45.68	145	6	Vertical
3	6968.3600	47.41	-102.94	-55.53	-13.00	42.53	169	41	Vertical
4	8710.4500	45.99	-98.97	-52.98	-13.00	39.98	195	1	Vertical
5	10452.5400	41.36	-95.25	-53.89	-13.00	40.89	148	144	Vertical
6	12194.6300	39.23	-93.62	-54.39	-13.00	41.39	172	272	Vertical

Remark:

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

$$\text{Level} = \text{Reading Level(dB}\mu\text{V)} + \text{Factor(dB)}$$

$$\text{Factor} = \text{AF(dB/m)} + \text{Cable Factor(dB)} - \text{Preamplifier gain(dB)}$$

$$\text{AF} = \text{Antenna Factor(dB/m)}$$

$$\text{Margin} = \text{Limit(dBm)} - \text{Level(dBm)}$$



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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
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	5.800000	0.003324	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	6.500000	0.003725	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	7.600000	0.004355	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	9.100000	0.005215	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	7.600000	0.004355	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	7.600000	0.004355	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	13.000000	0.007450	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	7.700000	0.004413	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	6.300000	0.003610	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	7.400000	0.004241	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	5.900000	0.003381	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	12.400000	0.007106	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	11.100000	0.006361	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	6.100000	0.003496	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	7.200000	0.004126	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	5.800000	0.003324	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	10.300000	0.005903	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	10.200000	0.005845	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	6.200000	0.003553	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	12.000000	0.006877	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	8.600000	0.004928	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	10.900000	0.006246	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	12.000000	0.006877	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	13.500000	0.007736	PASS

The End



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