



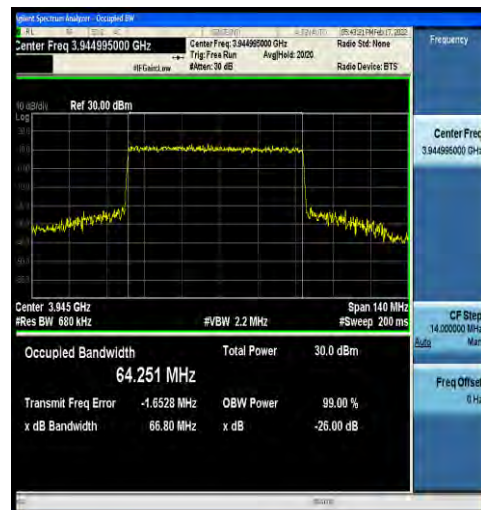
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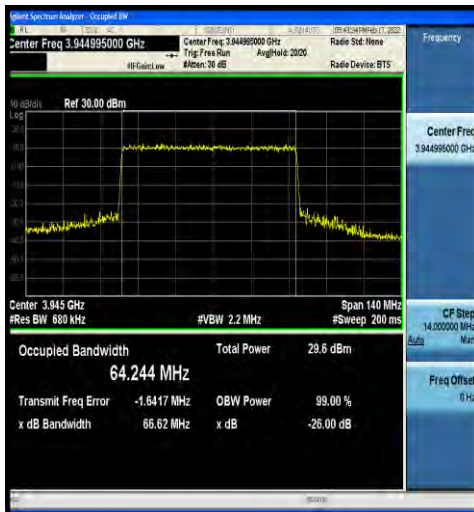


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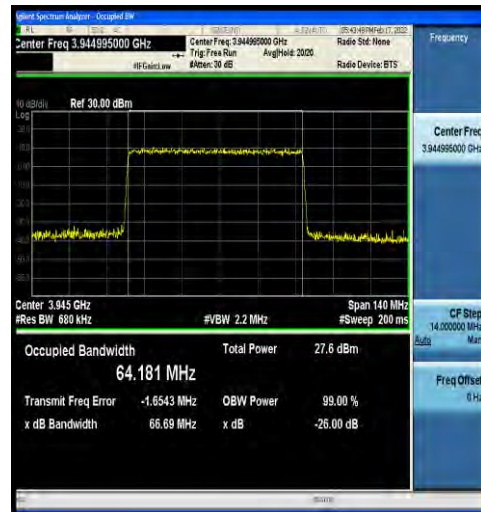


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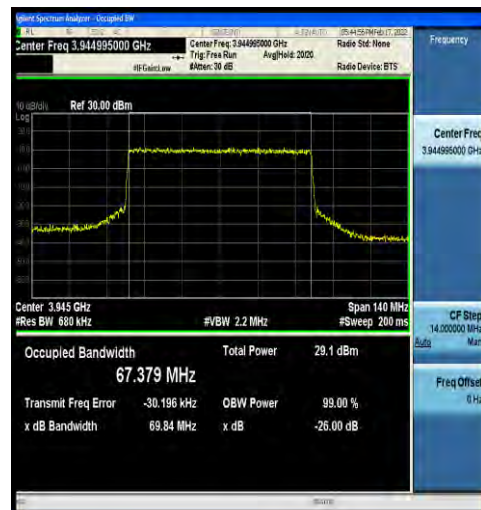
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1-N77-3700-3980-30-70-H-5-DFT-256QAM-Outer_Full-180@0-Ant4-64.181-66.69-≤70-PASS



1-N77-3700-3980-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant4-67.439-69.77-≤70-PASS



1-N77-3700-3980-30-70-H-7-CP-16QAM-Outer_Full-189@0-Ant4-67.379-69.84-≤70-PASS



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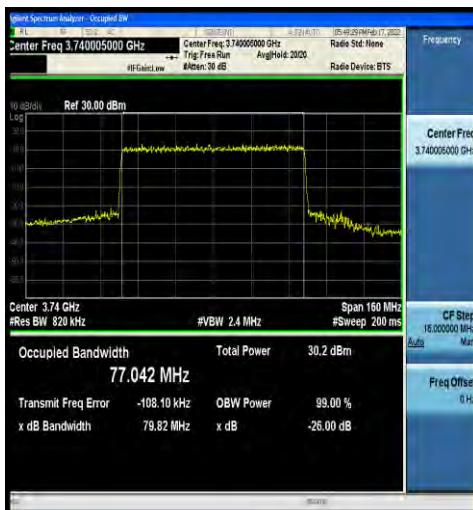
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1-N77-3700-3980-30-70-H-9-CP-256QAM-Outer_Full-189@0-Ant4-67.335-69.90-\leq70-PASS



1-N77-3700-3980-30-80-L-1-DFT-QPSK-Outer_Full-216@0-Ant4-77.042-79.82-\leq80-PASS



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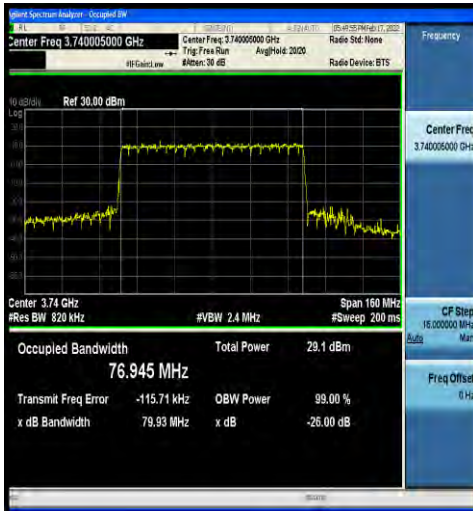


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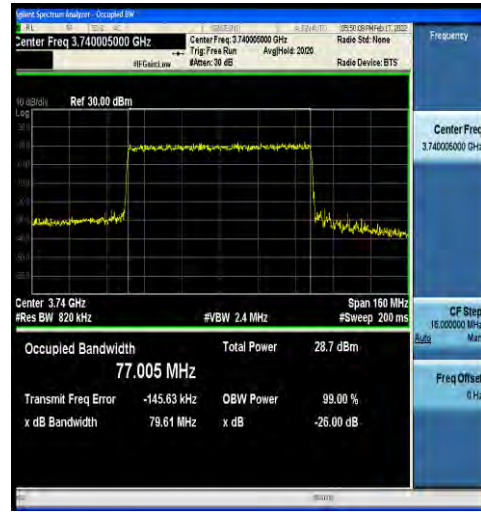
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 Wireless Laboratory

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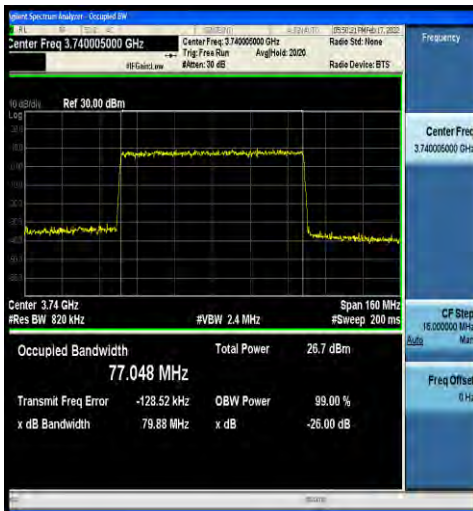
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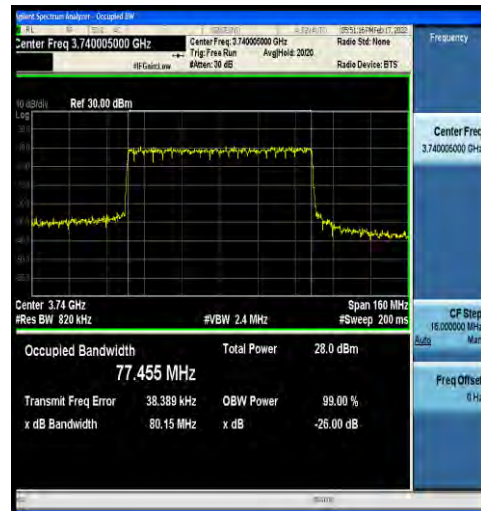
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-216@0-Ant4-76.945-79.93-≤ 80-PASS



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-216@0-Ant4-77.005-79.61-≤ 80-PASS



1-N77-3700-3980-30-80-L-5-DFT-256QAM-Outer_Fu
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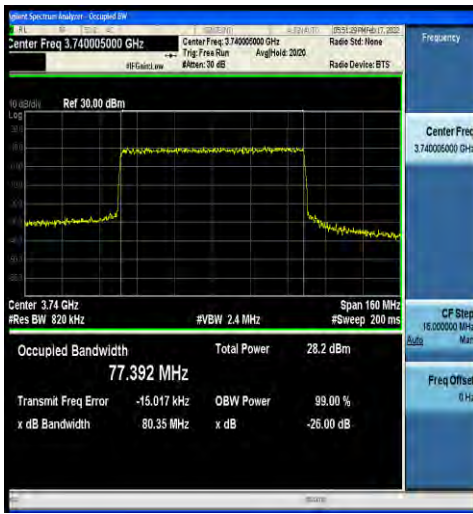
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17@0-Ant4-77.455-80.15-≤ 80-PASS



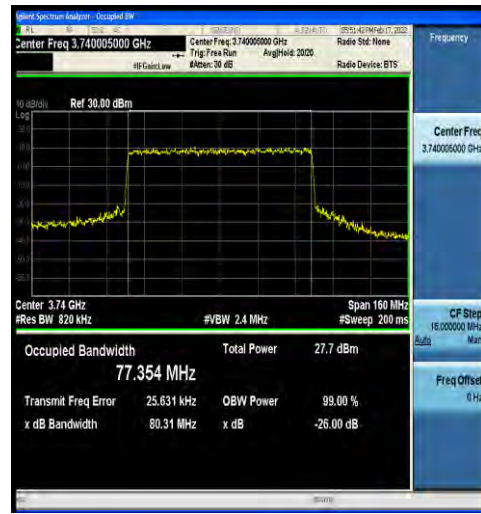
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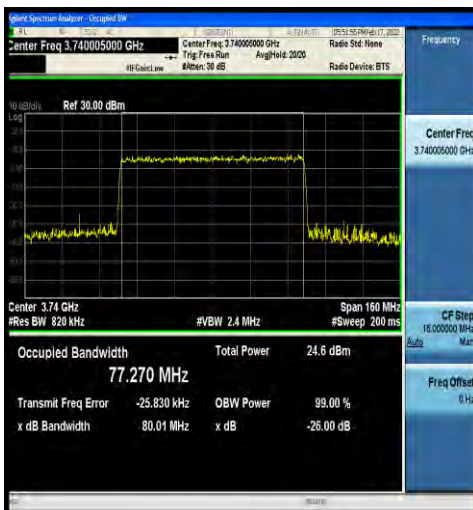
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1-N77-3700-3980-30-80-L-7-CP-16QAM-Outer_Full-217@0-Ant4-77.392-80.35- ≤ 80 -PASS



1-N77-3700-3980-30-80-L-8-CP-64QAM-Outer_Full-217@0-Ant4-77.354-80.31- ≤ 80 -PASS



1-N77-3700-3980-30-80-L-9-CP-256QAM-Outer_Full-217@0-Ant4-77.270-80.01- ≤ 80 -PASS



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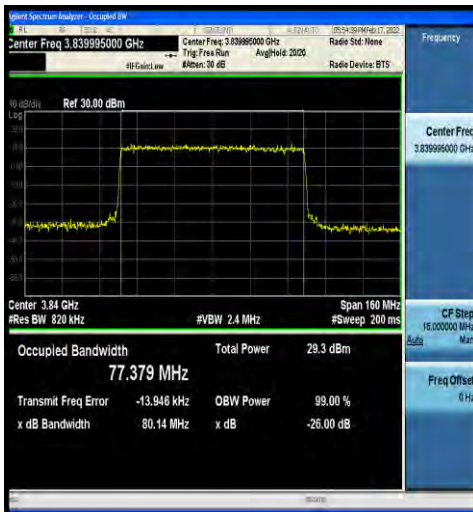


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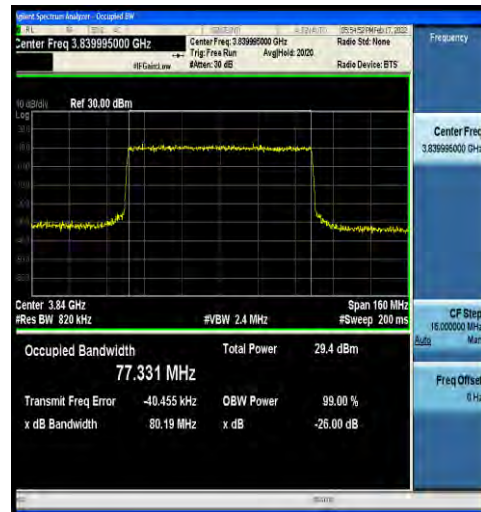
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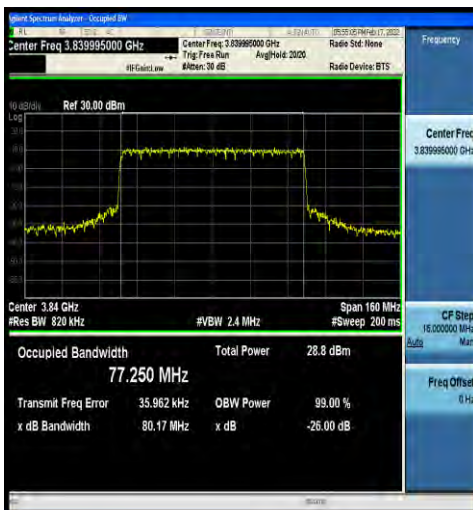
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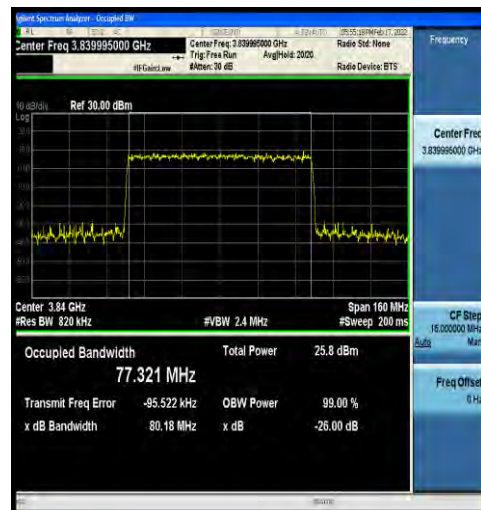
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-217@0-Ant4-77.331-80.19-≤80-PASS



1-N77-3700-3980-30-80-M-8-CP-64QAM-Outer_Full-
217@0-Ant4-77.250-80.17-≤80-PASS



1-N77-3700-3980-30-80-M-9-CP-256QAM-Outer_Fu
II-217@0-Ant4-77.321-80.18-≤80-PASS



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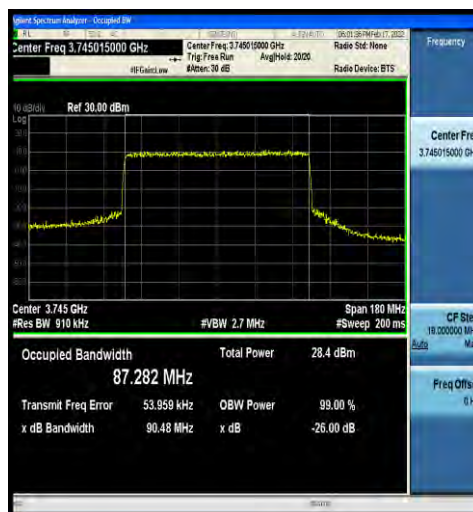
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1-N77-3700-3980-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant4-87.341-90.54-<=90-PASS



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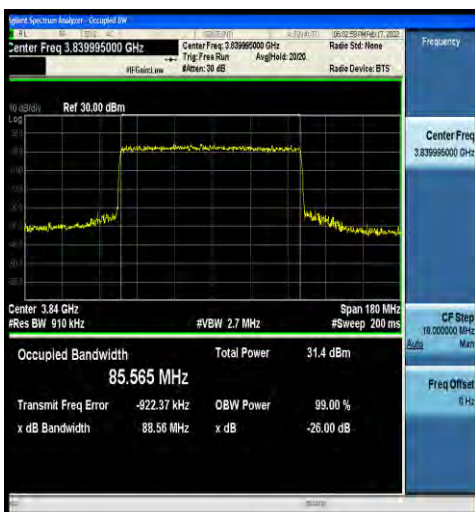




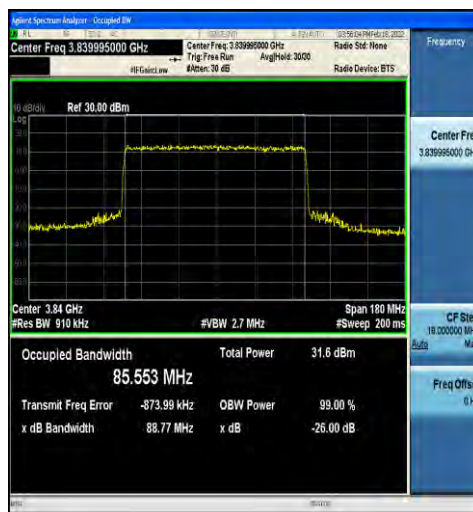
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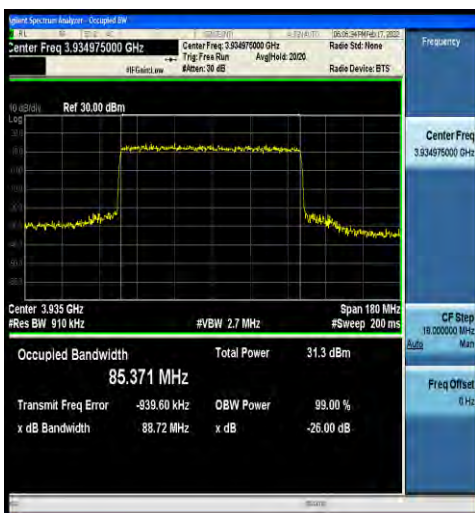


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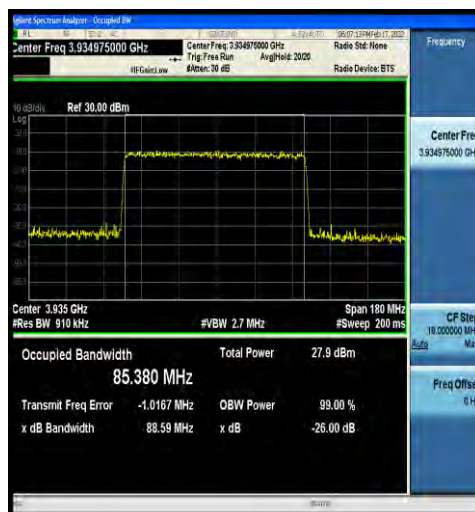
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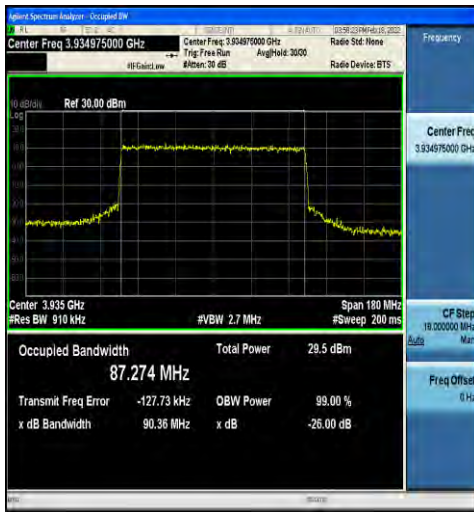


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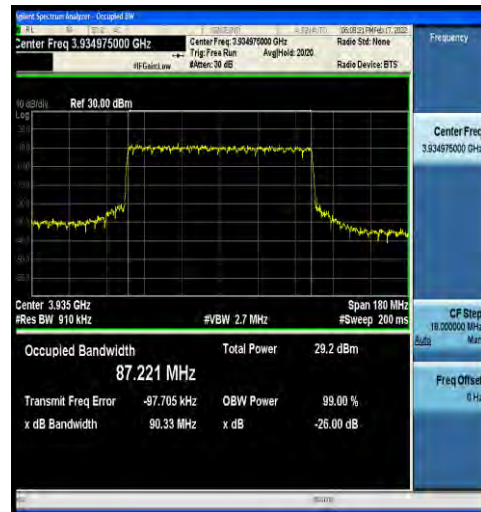


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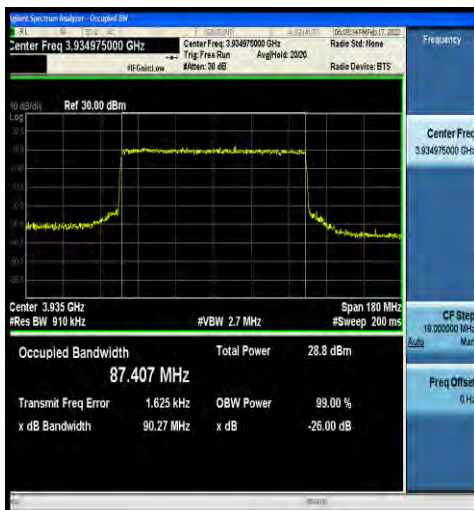




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1-N77-3700-3980-30-90-H-8-CP-64QAM-Outer_Full-245@0-Ant4-87.407-90.27-≤90-PASS



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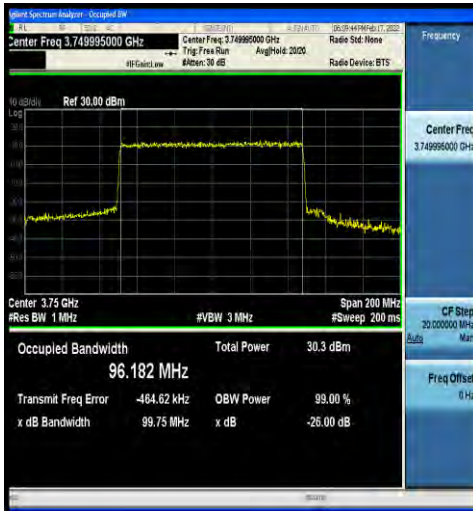


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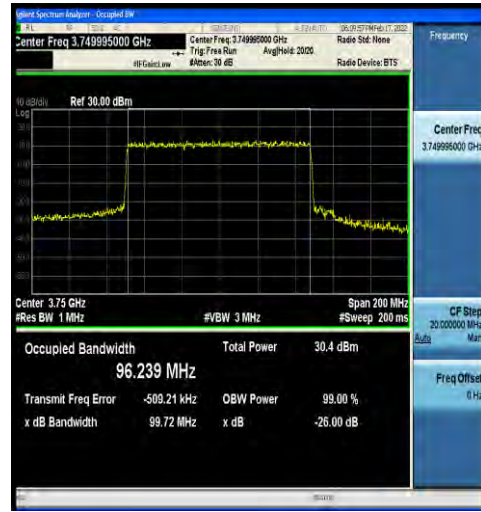
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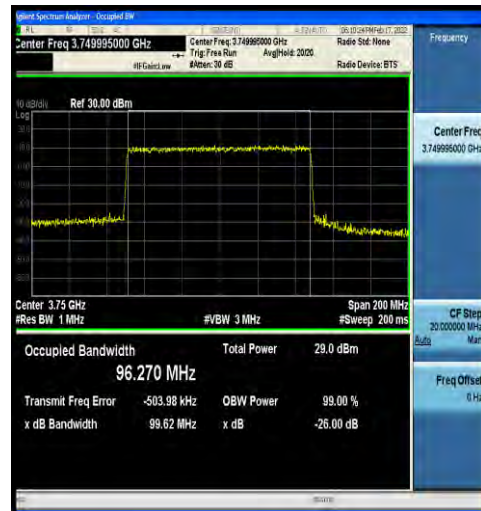
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-270@0-Ant4-96.239-99.72-≤100-PASS



1-N77-3700-3980-30-100-L-3-DFT-16QAM-Outer_Full
-270@0-Ant4-96.201-99.75-≤100-PASS



1-N77-3700-3980-30-100-L-4-DFT-64QAM-Outer_Full
-270@0-Ant4-96.270-99.62-≤100-PASS



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1-N77-3700-3980-30-100-M-8-CP-64QAM-Outer_Full-I-273@0-Ant4-97.245-100.6-≤100-PASS



1-N77-3700-3980-30-100-M-9-CP-256QAM-Outer_Full-I-273@0-Ant4-97.285-100.8-≤100-PASS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Outer_Full-I-270@0-Ant4-96.189-99.69-≤100-PASS



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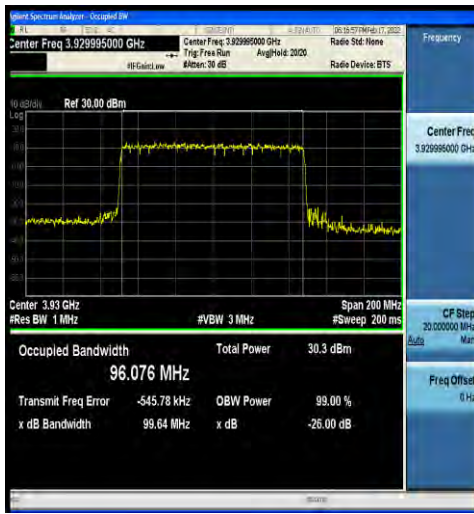


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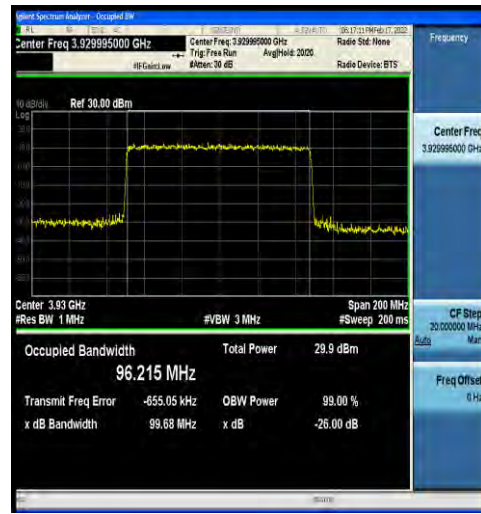
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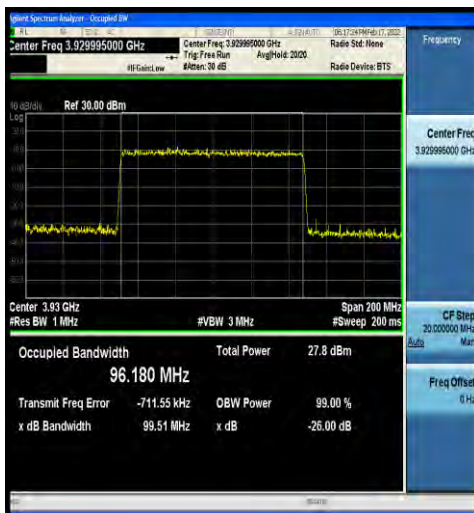
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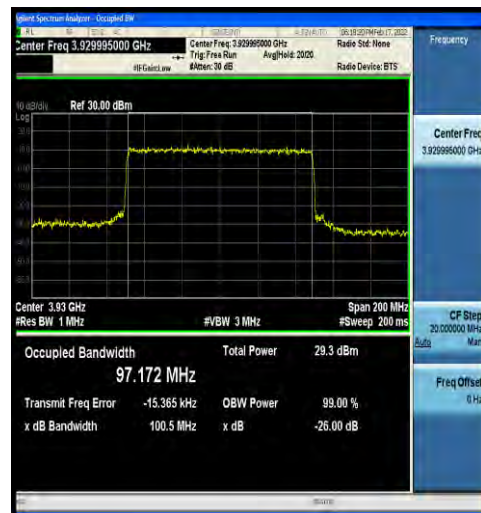
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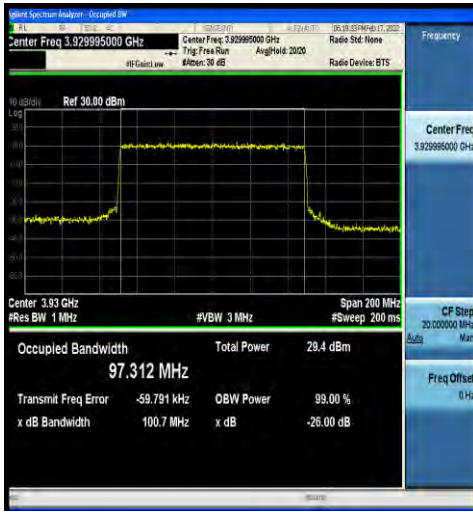
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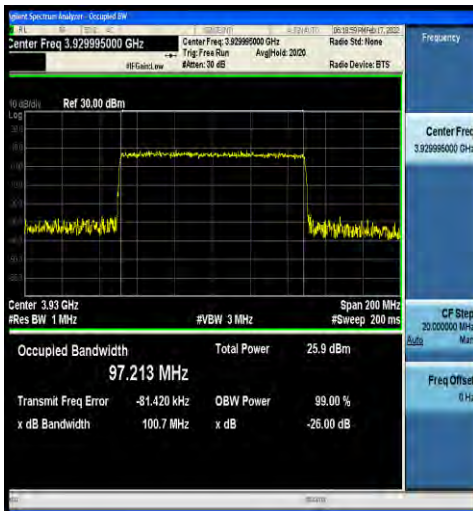
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1-N77-3700-3980-30-100-H-7-CP-16QAM-Outer_Ful
I-273@0-Ant4-97.312-100.7-≤100-PASS



1-N77-3700-3980-30-100-H-8-CP-64QAM-Outer_Ful
I-273@0-Ant4-97.216-100.7-≤100-PASS



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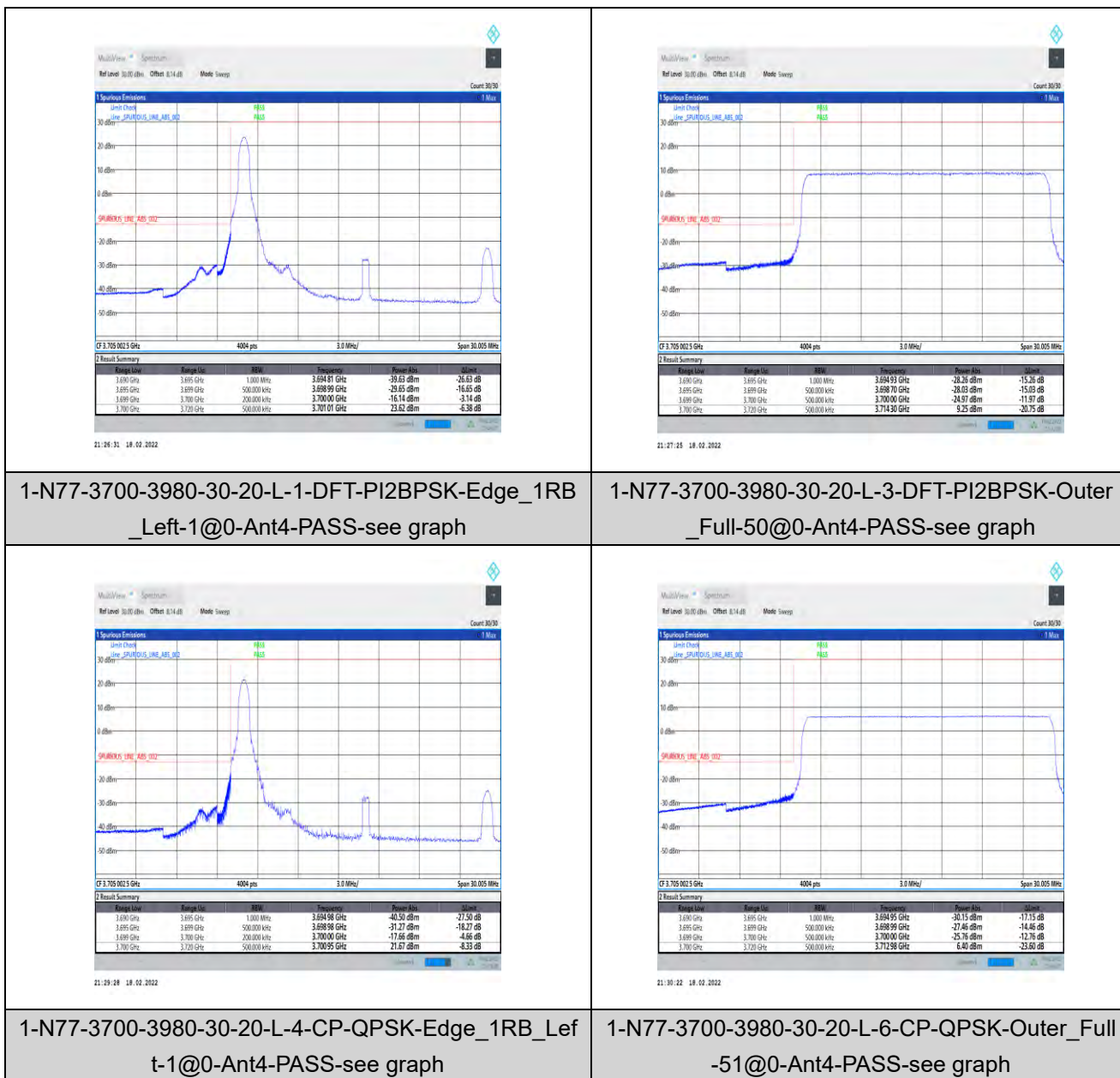
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Band Edge for SA

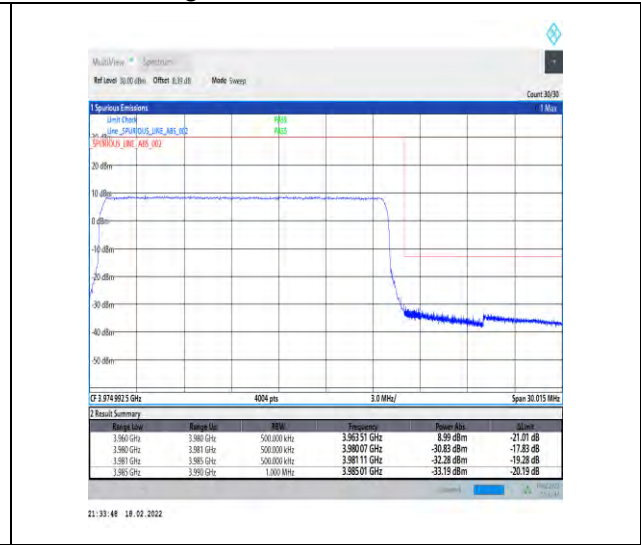
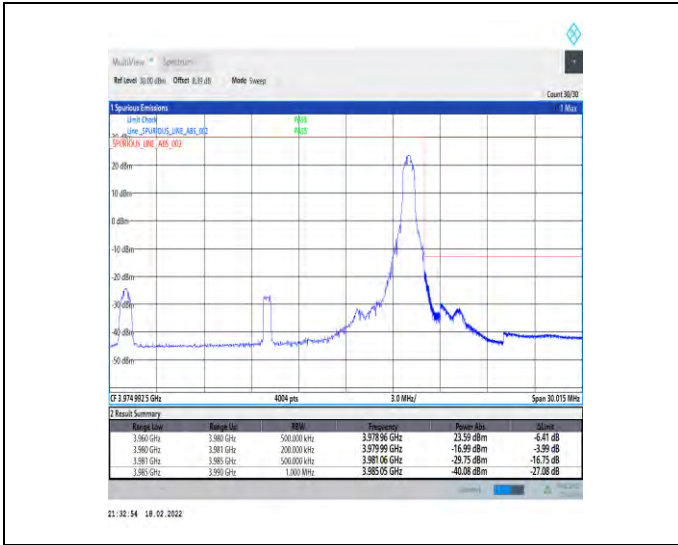
Test Graphs



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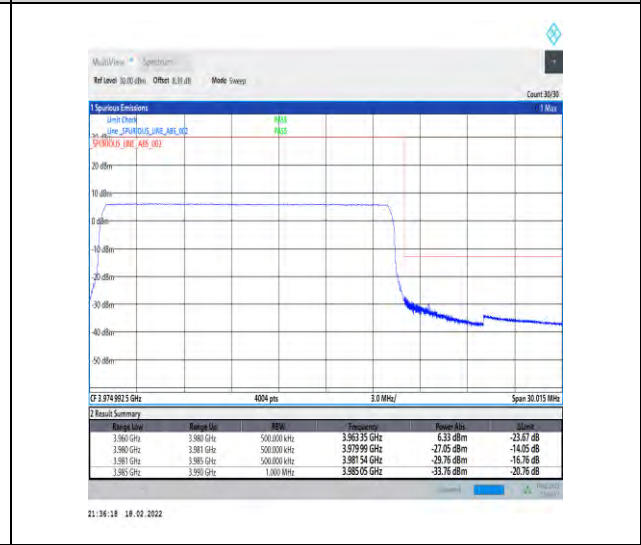
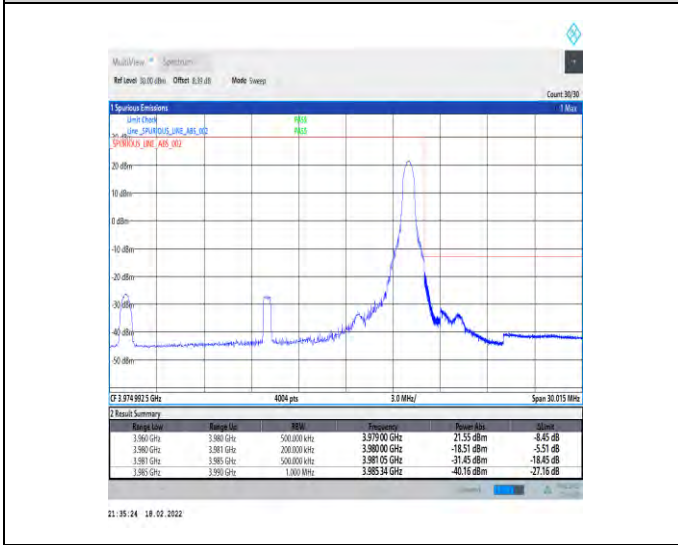
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1-N77-3700-3980-30-20-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@50-Ant4-PASS-see graph

1-N77-3700-3980-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-PASS-see graph



1-N77-3700-3980-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant4-PASS-see graph

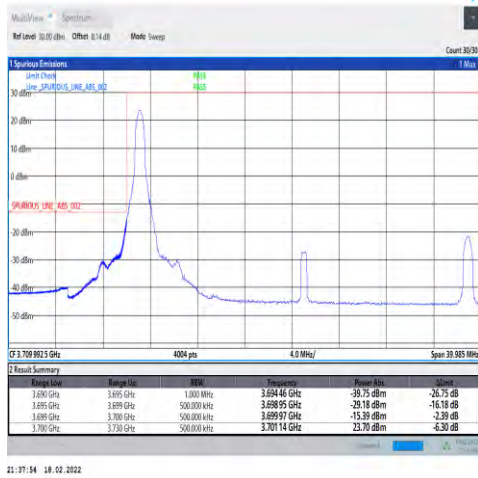
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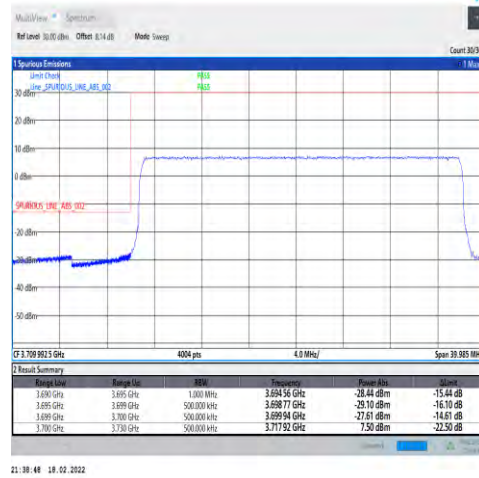
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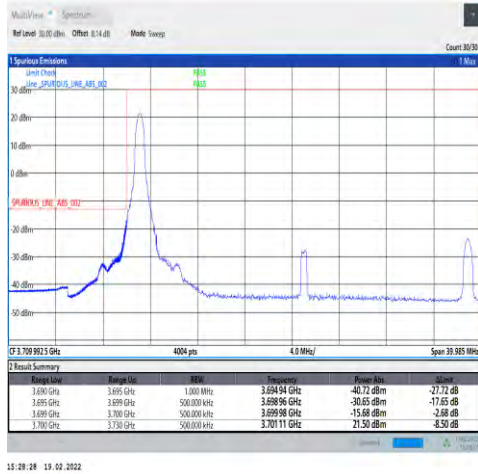
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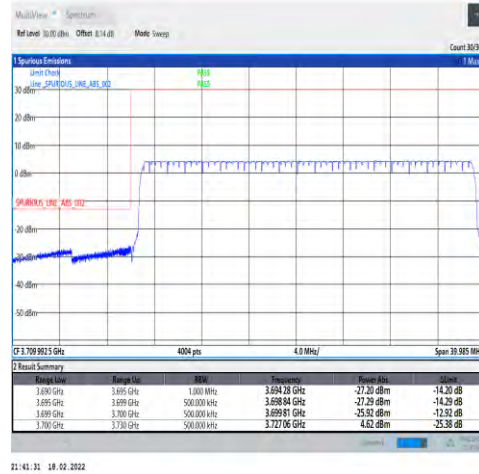
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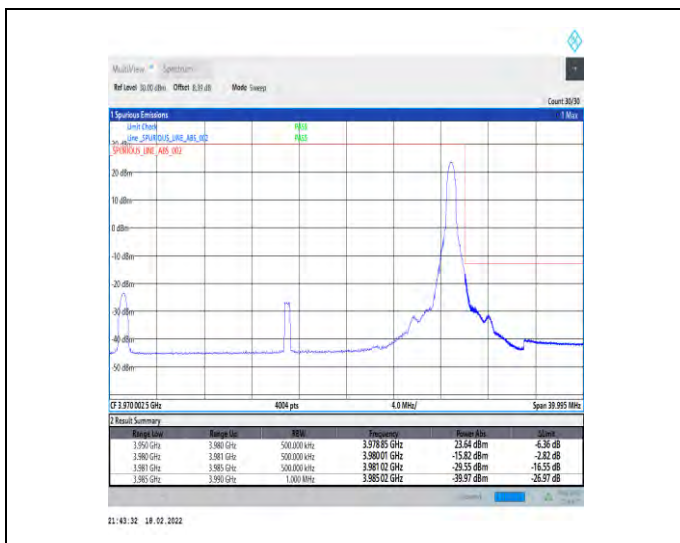


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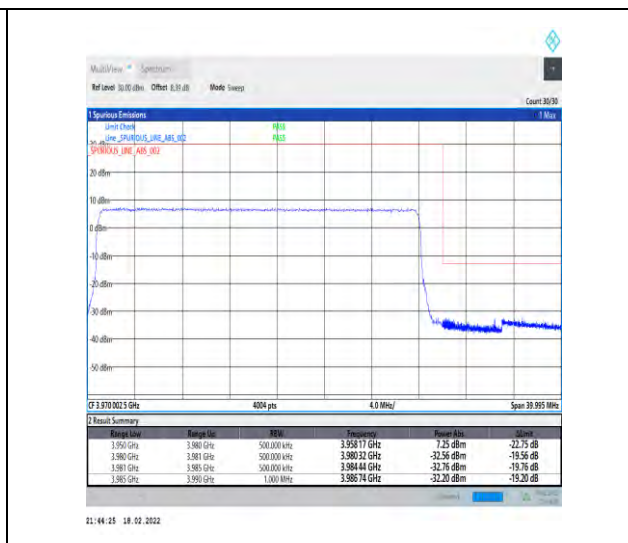
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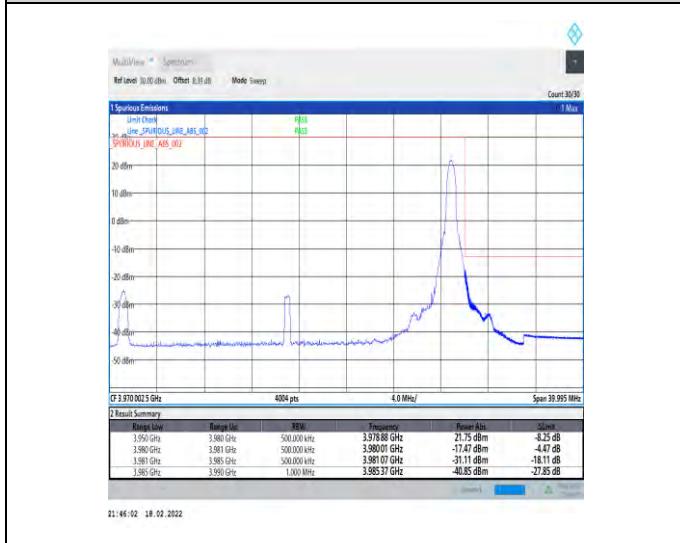
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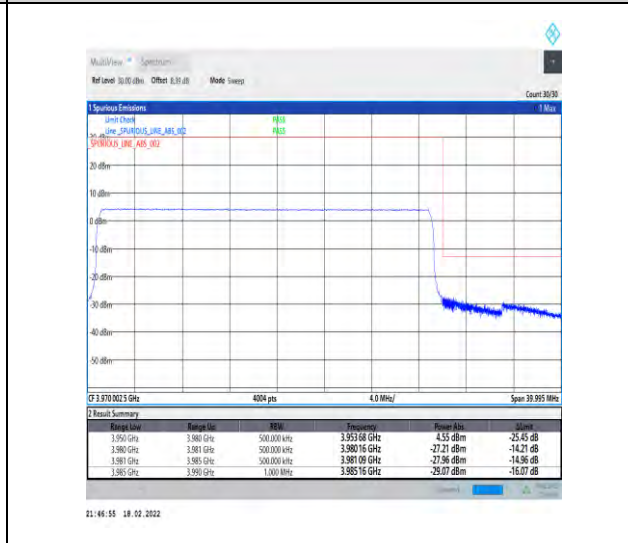
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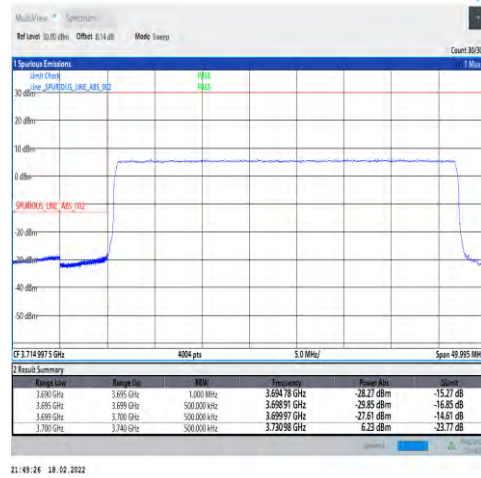
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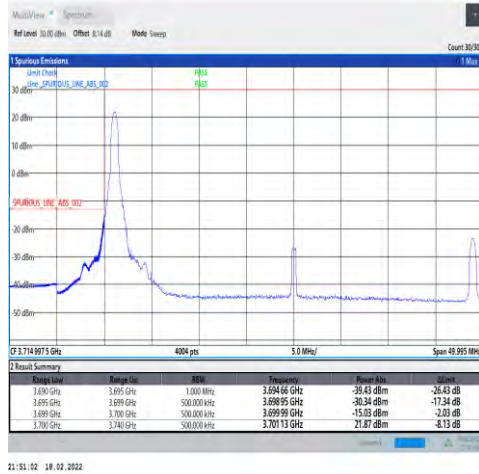
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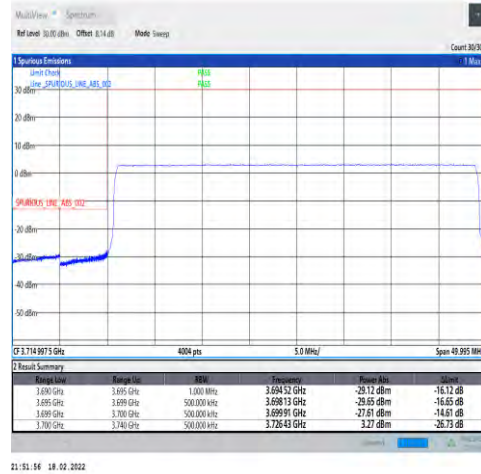
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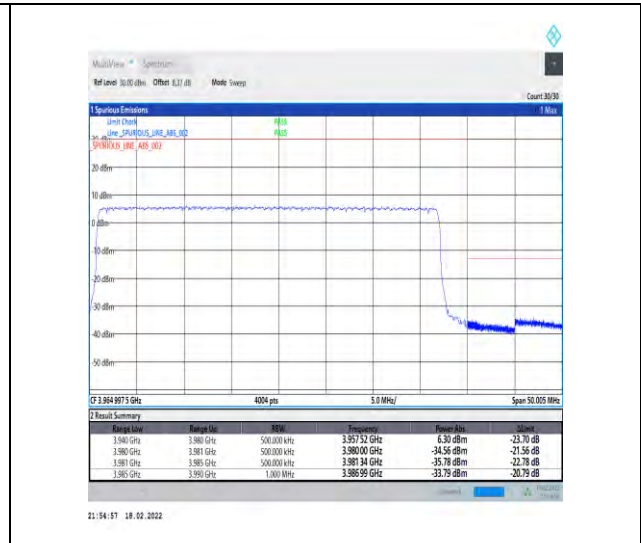
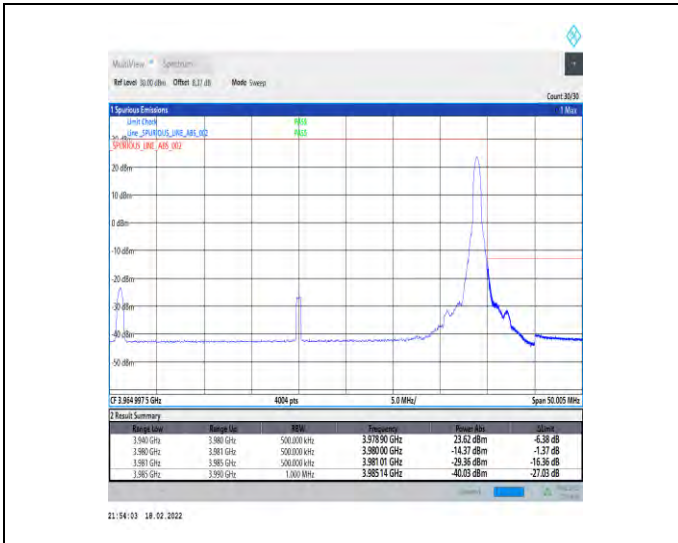


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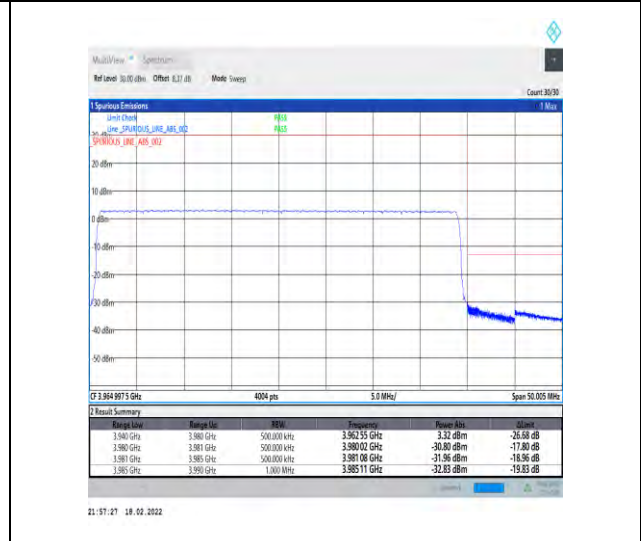
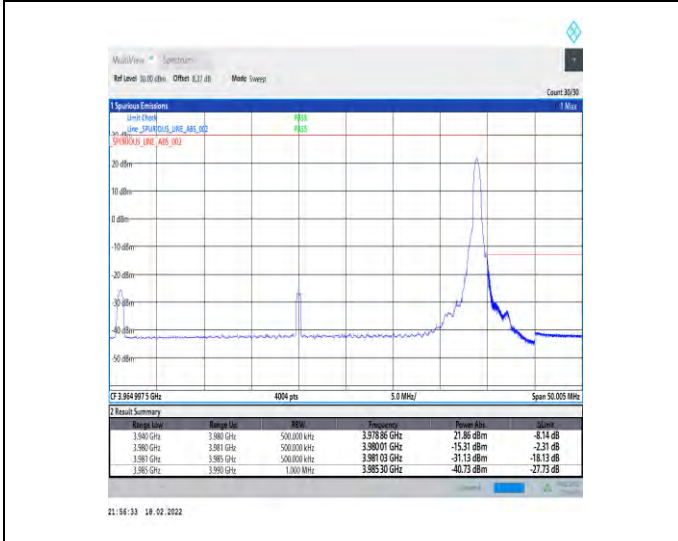
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1-N77-3700-3980-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-PASS-see graph



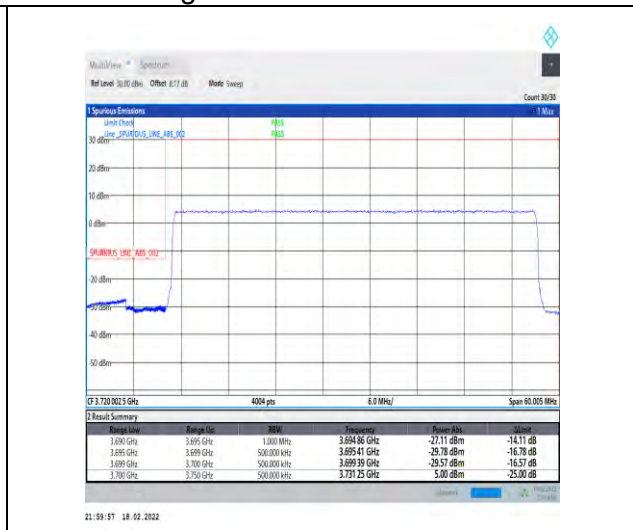
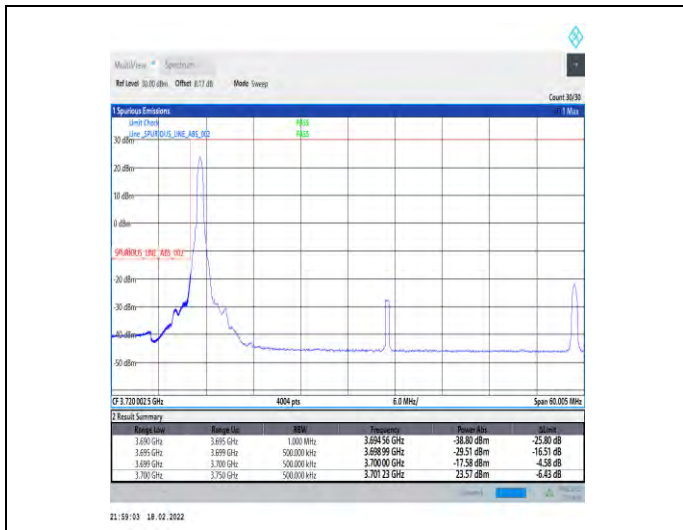
1-N77-3700-3980-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-PASS-see graph

1-N77-3700-3980-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant4-PASS-see graph



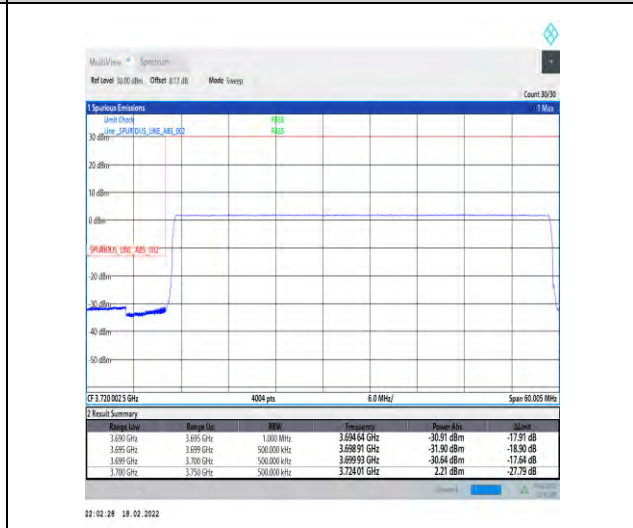
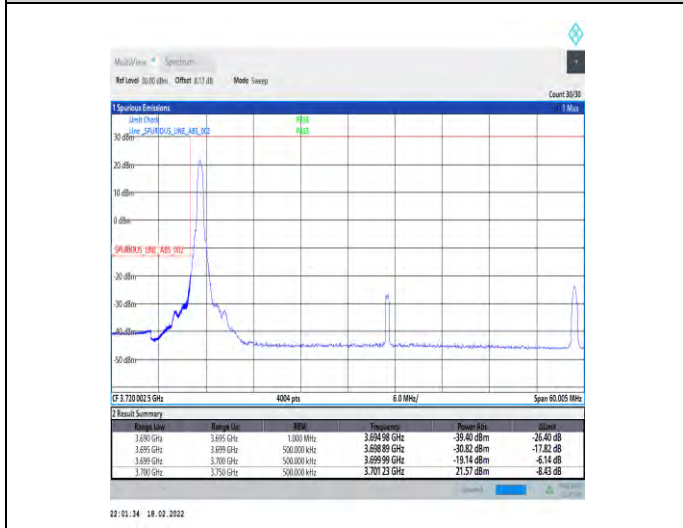
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1-N77-3700-3980-30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-PASS-see graph

1-N77-3700-3980-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-PASS-see graph



1-N77-3700-3980-30-50-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant4-PASS-see graph

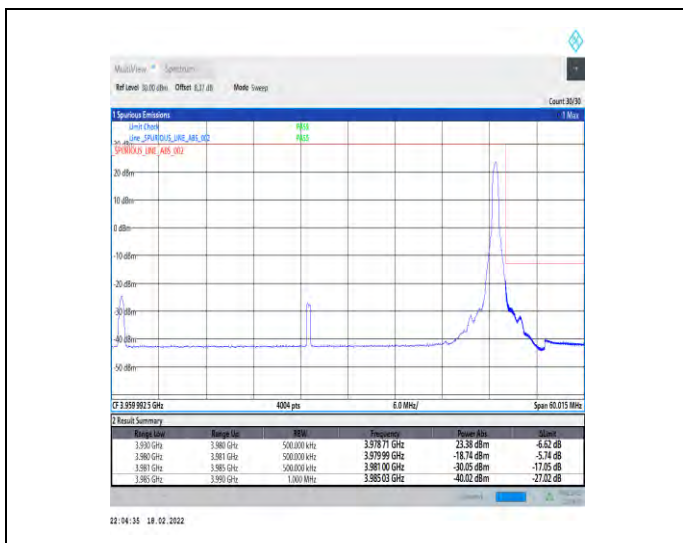
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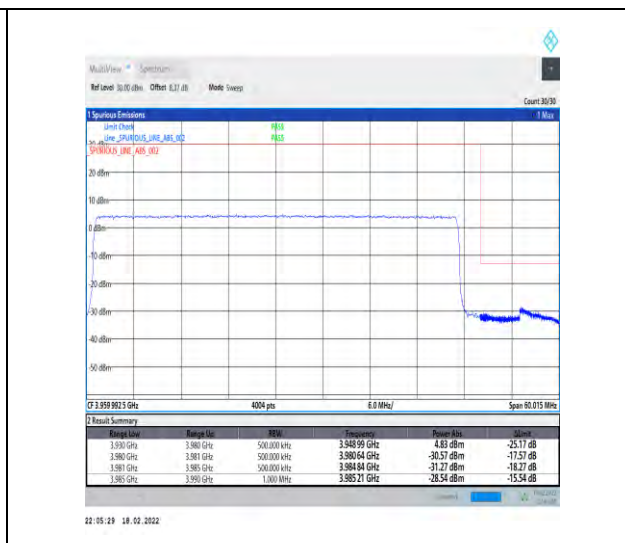
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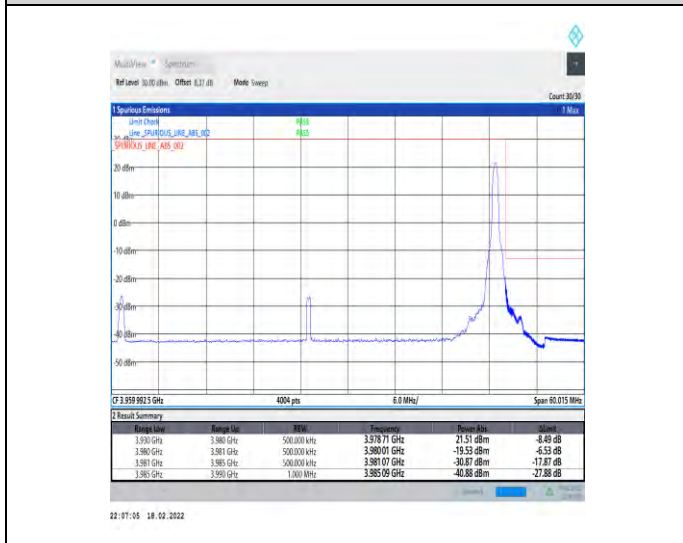
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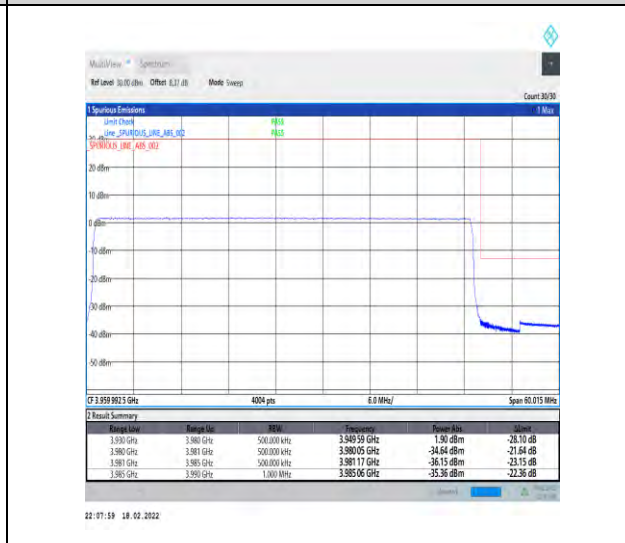
1-N77-3700-3980-30-50-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@132-Ant4-PASS-see graph



1-N77-3700-3980-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-PASS-see graph



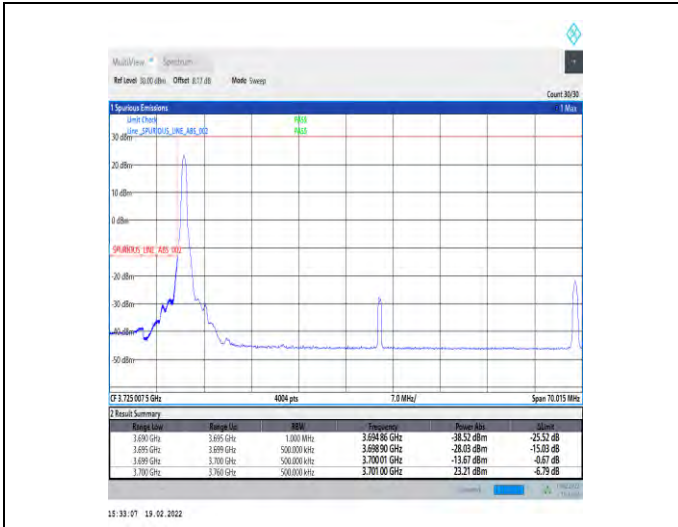
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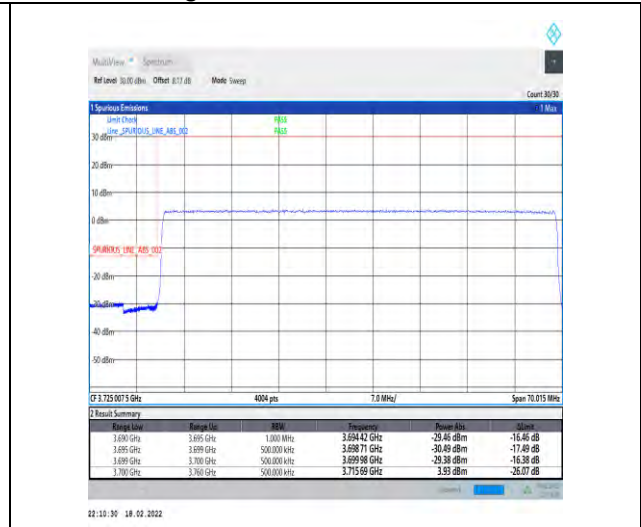
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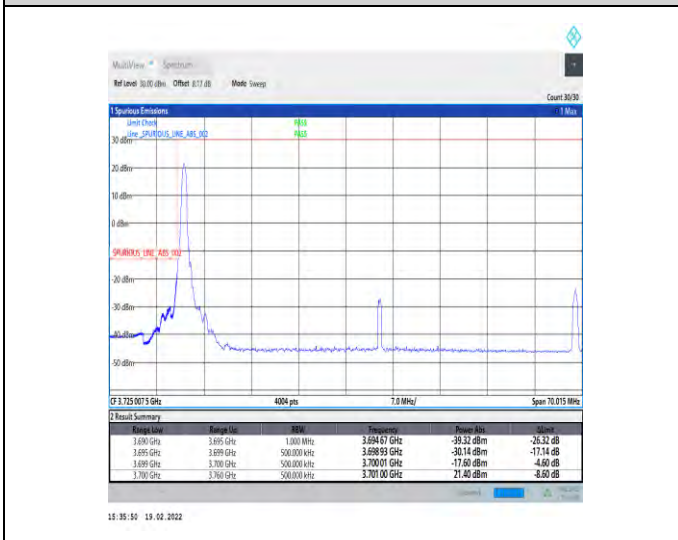
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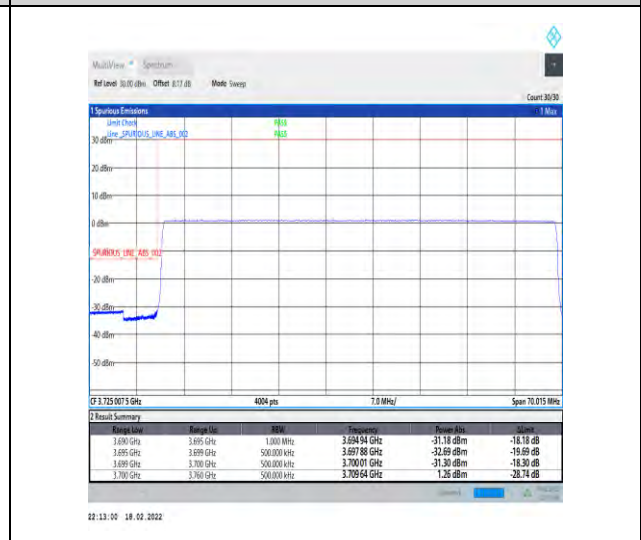
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_Left-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-60-L-3-DFT-PI2BPSK-Outer
_Full-162@0-Ant4-PASS-see graph



1-N77-3700-3980-30-60-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-60-L-6-CP-QPSK-Outer_Full
-162@0-Ant4-PASS-see graph

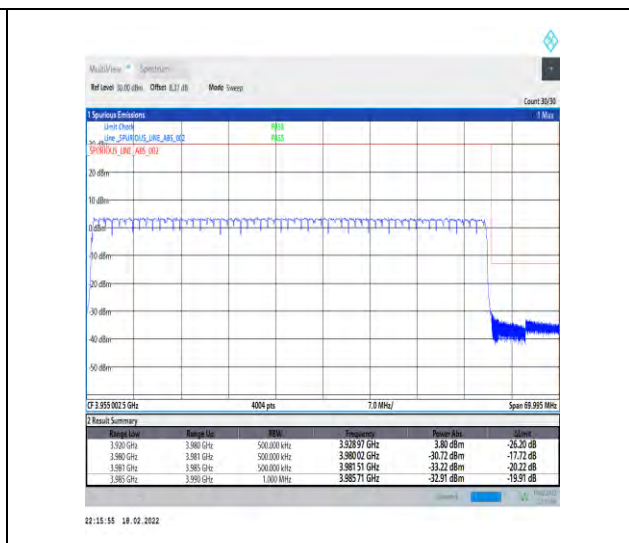
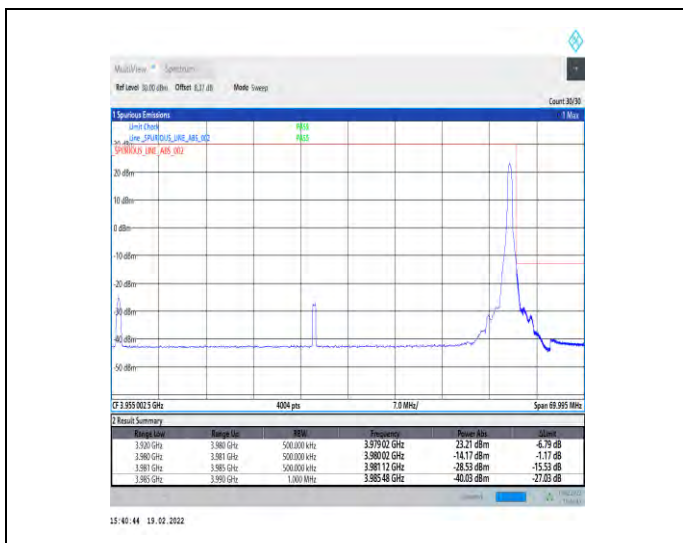


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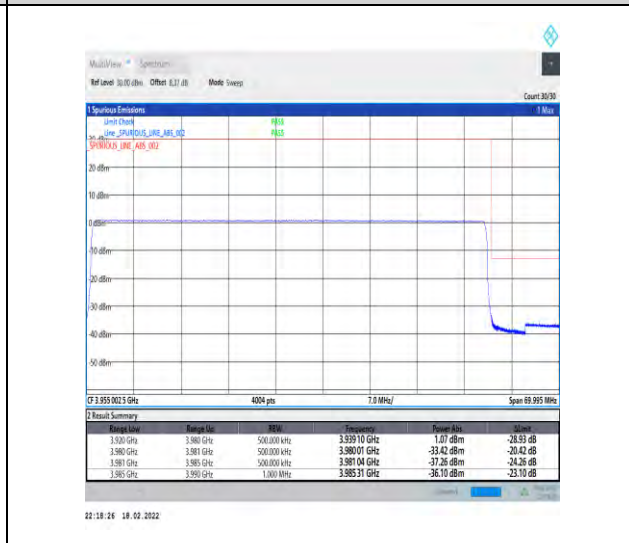
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1-N77-3700-3980-30-60-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@161-Ant4-PASS-see graph

1-N77-3700-3980-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant4-PASS-see graph

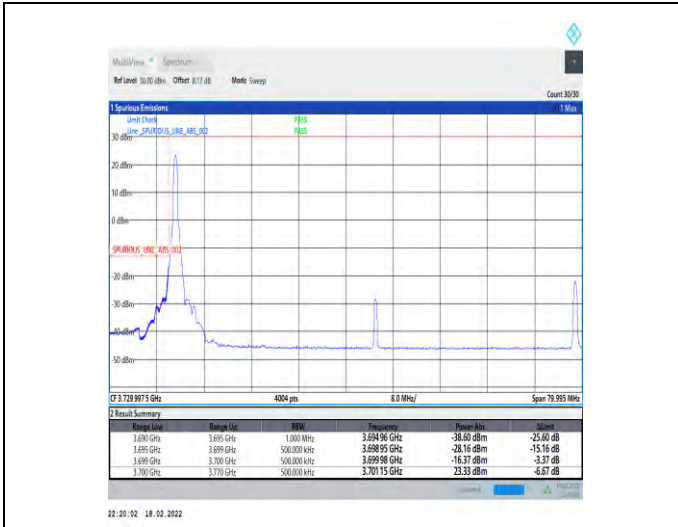


1-N77-3700-3980-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant4-PASS-see graph

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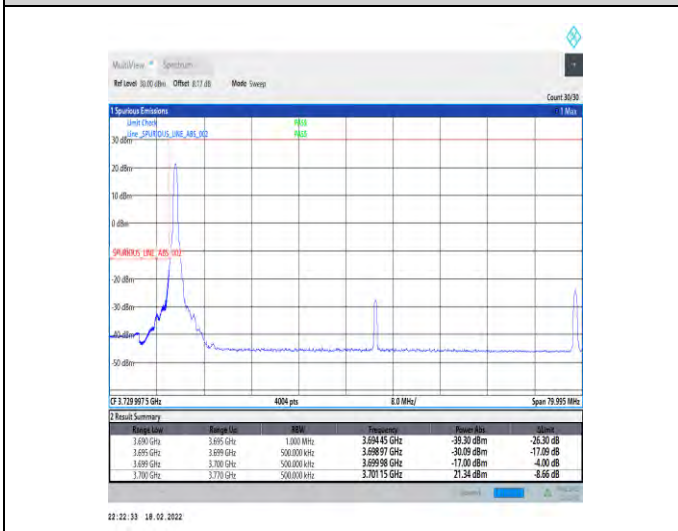
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1-N77-3700-3980-30-70-L-1-DFT-PI2BPSK-Edge_1RB
_Left-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-70-L-3-DFT-PI2BPSK-Outer
_Full-180@0-Ant4-PASS-see graph



1-N77-3700-3980-30-70-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-70-L-6-CP-QPSK-Outer_Full
-189@0-Ant4-PASS-see graph

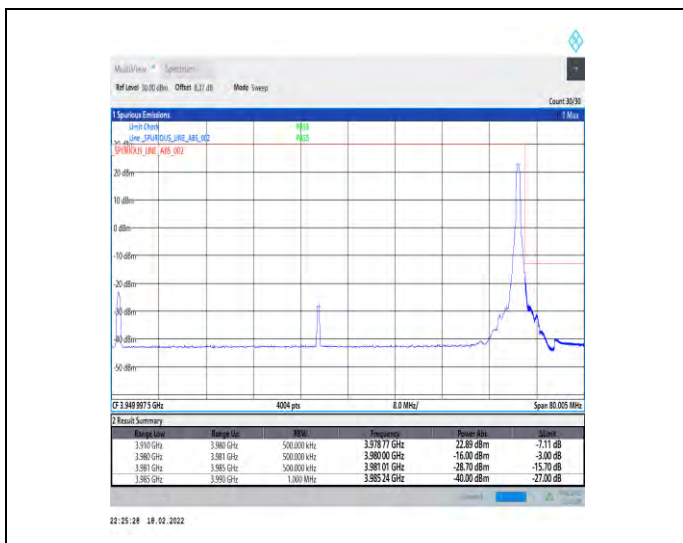


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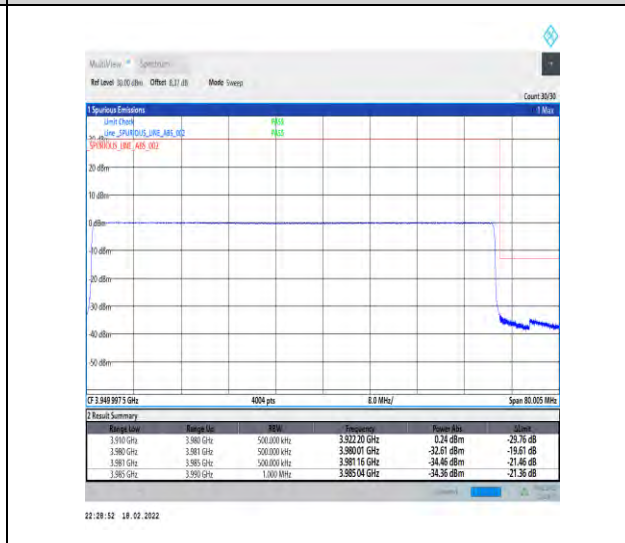
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1-N77-3700-3980-30-70-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant4-PASS-see graph



1-N77-3700-3980-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant4-PASS-see graph



1-N77-3700-3980-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant4-PASS-see graph

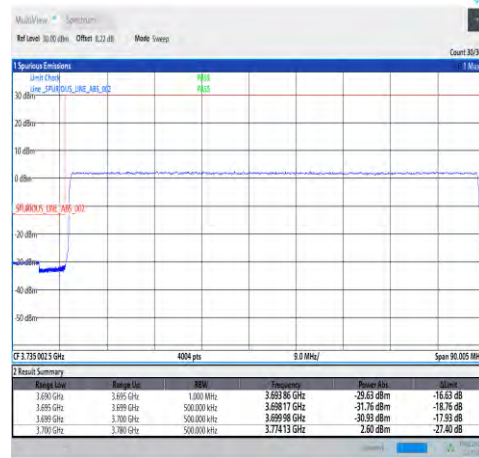


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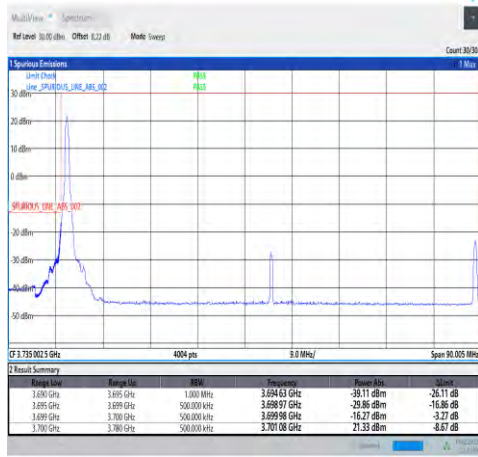
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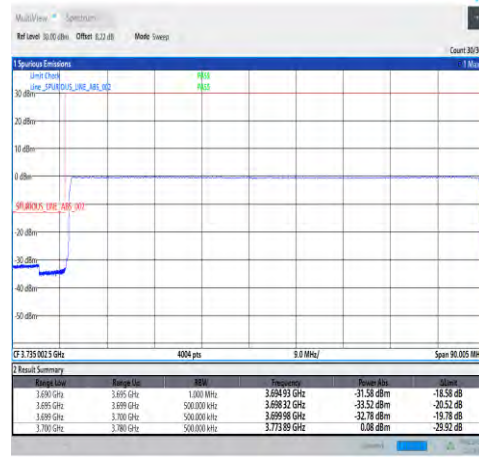
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1-N77-3700-3980-30-80-L-3-DFT-PI2BPSK-Outer
_Full-216@0-Ant4-PASS-see graph



1-N77-3700-3980-30-80-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant4-PASS-see graph



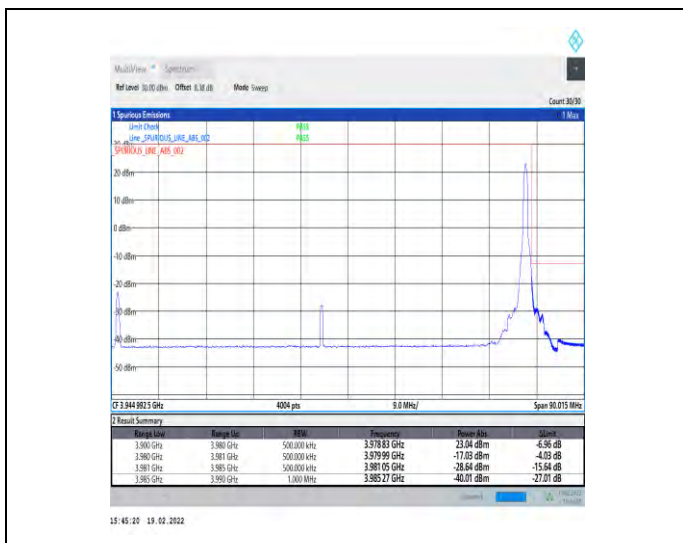
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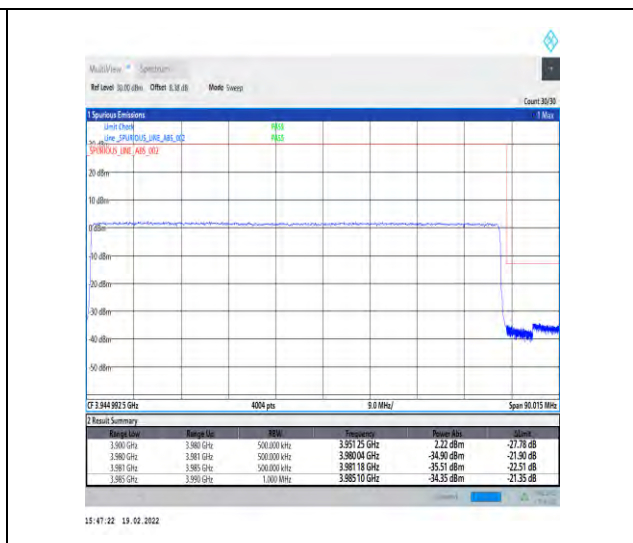
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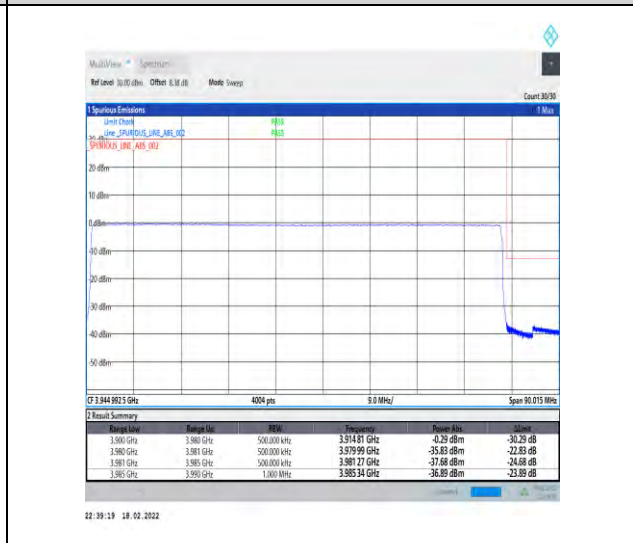
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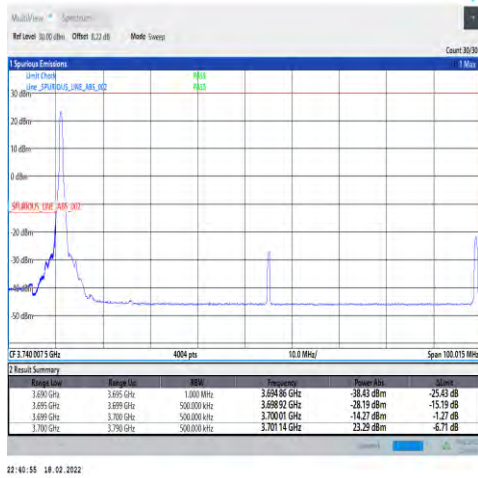


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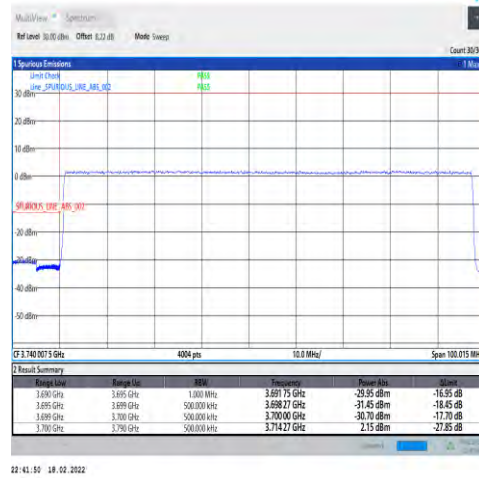


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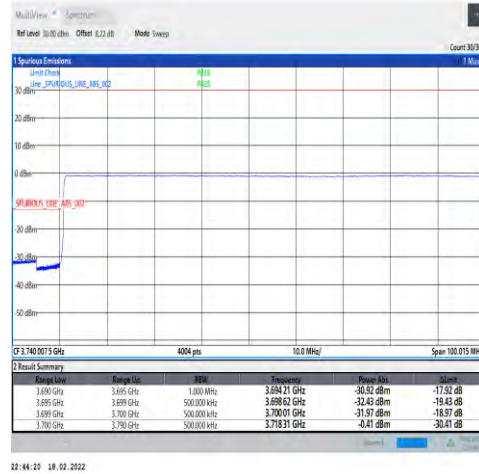
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_Full-240@0-Ant4-PASS-see graph



1-N77-3700-3980-30-90-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-90-L-6-CP-QPSK-Outer_Full
-245@0-Ant4-PASS-see graph

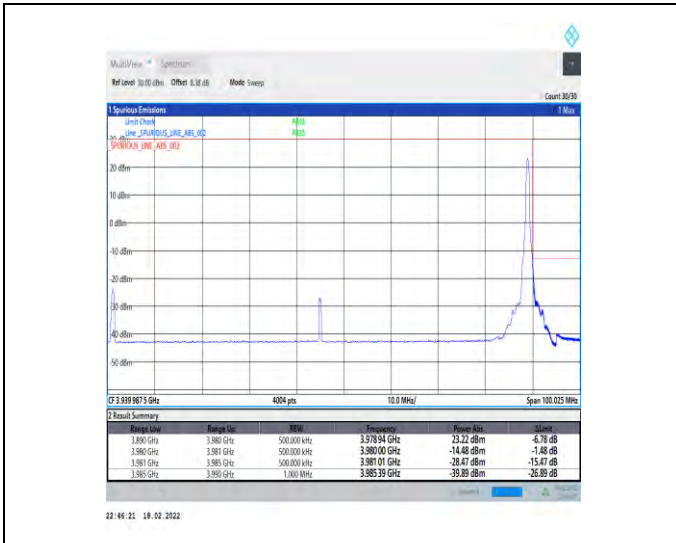


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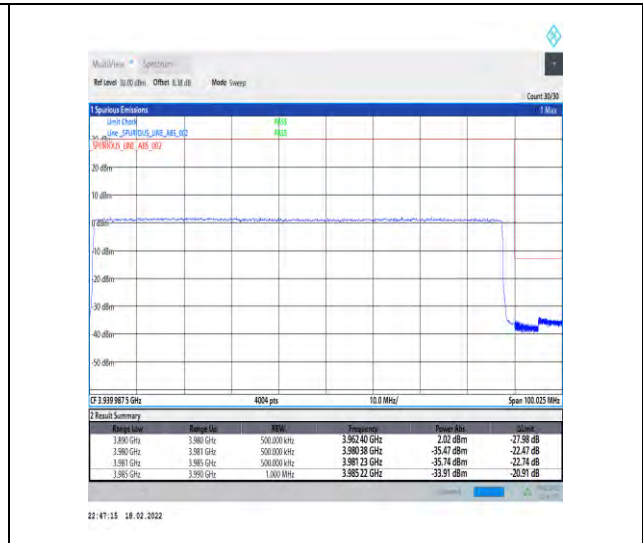
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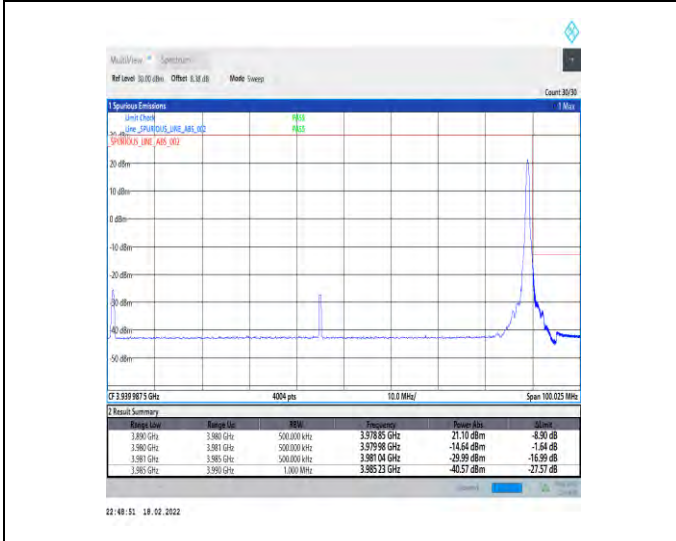
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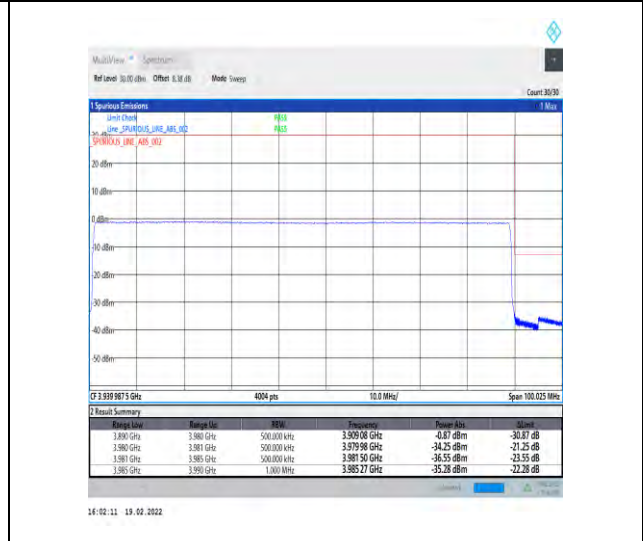
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1-N77-3700-3980-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant4-PASS-see graph



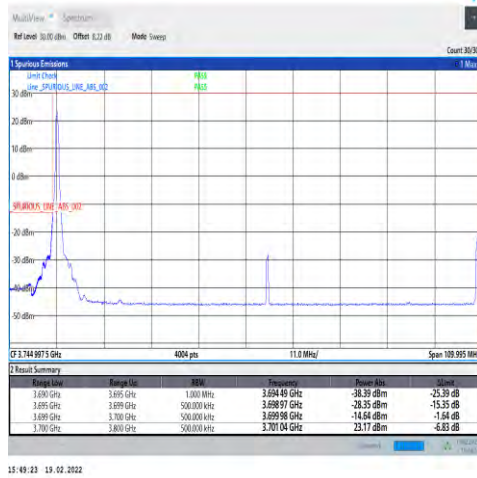
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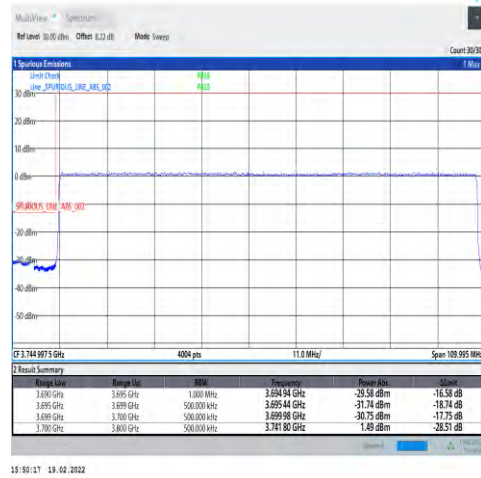
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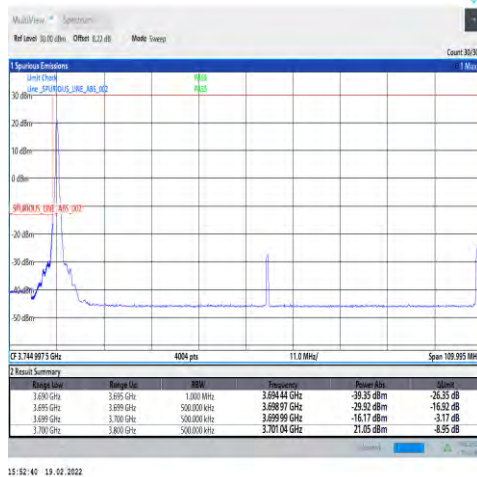
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1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant4-PASS-see graph



1-N77-3700-3980-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant4-PASS-see graph



1-N77-3700-3980-30-100-L-4-CP-QPSK-Edge_1RB_L_eft-1@0-Ant4-PASS-see graph



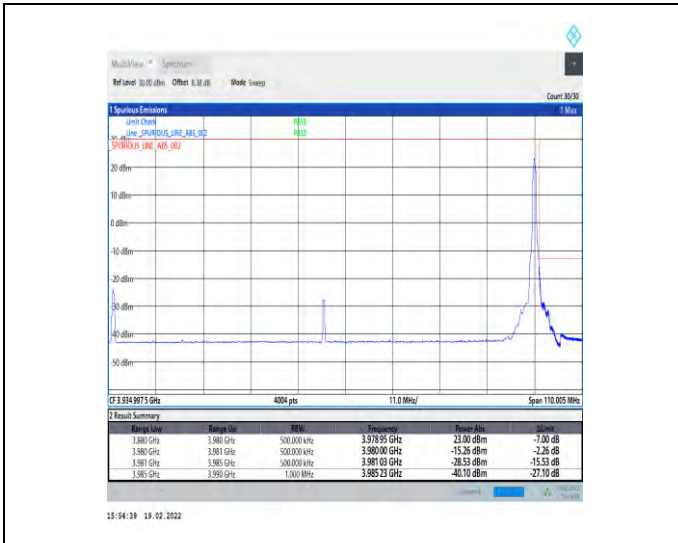
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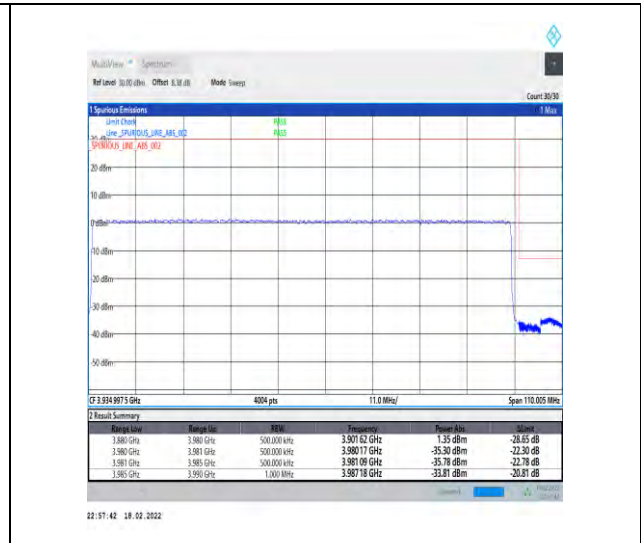
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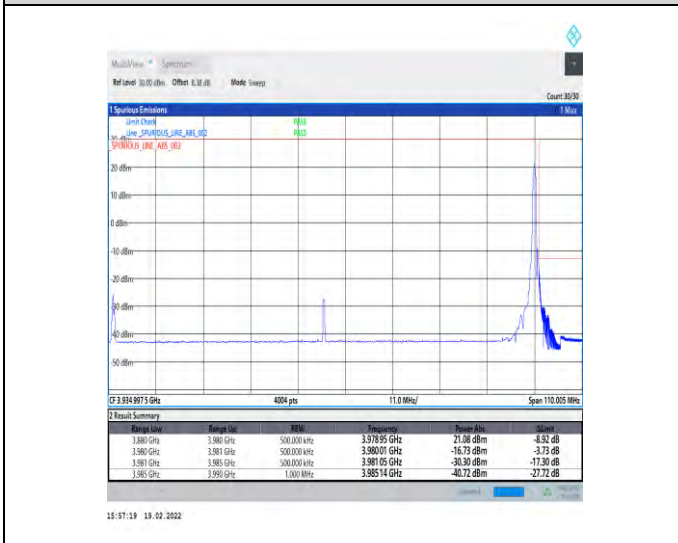
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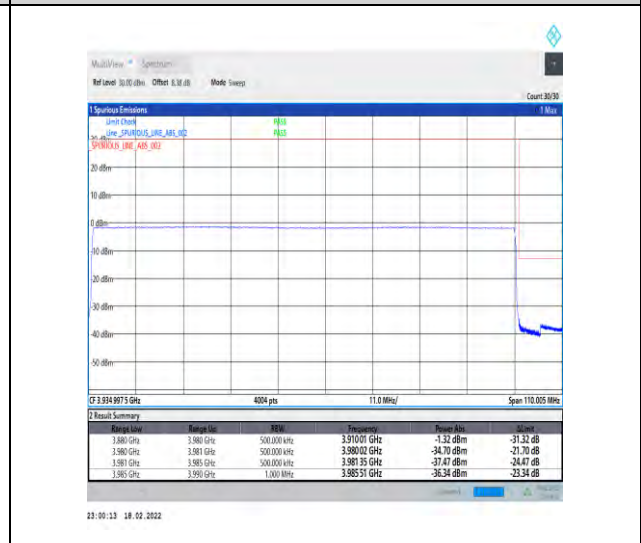
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1-N77-3700-3980-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant4-PASS-see graph



1-N77-3700-3980-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant4-PASS-see graph



1-N77-3700-3980-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant4-PASS-see graph



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Conducted Spurious Emission for SA

Test Result

Band	SCS	Ban dwi dth	Modulation	C ha nn el	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	0.009	0.15	-69.79	-43	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	0.15	30	-88.89	-33	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	30	1000	-71.22	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	1000	6000	-43.33	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	6000	18000	-63.49	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	L	Inner_1RB_Left	18000	40000	-53.51	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	0.009	0.15	-68.20	-43	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	0.15	30	-89.53	-33	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	30	1000	-71.87	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	1000	6000	-43.74	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	6000	18000	-63.88	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Inner_1RB_Left	18000	40000	-54.01	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	0.009	0.15	-69.79	-43	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	0.15	30	-89.71	-33	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	30	1000	-71.76	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	1000	6000	-43.49	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	6000	18000	-61.01	-13	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	H	Inner_1RB_Left	18000	40000	-53.42	-13	PASS



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Test Graphs

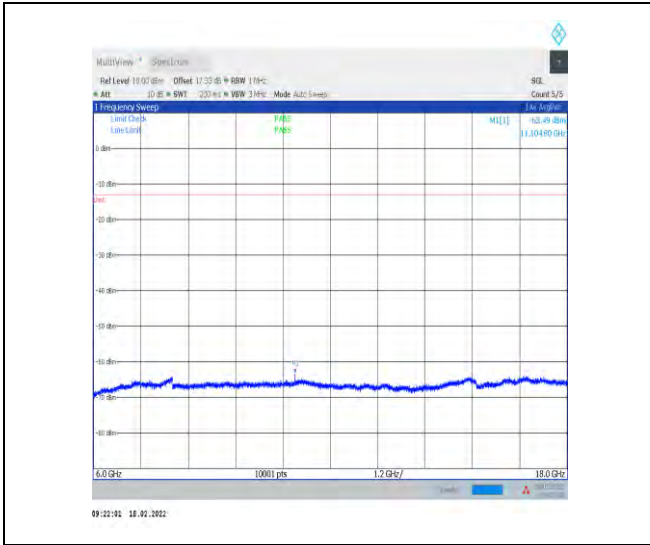
<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant4--69.79--43-PASS</p>	<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant4--88.89--33-PASS</p>
<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant4--71.22--13-PASS</p>	<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant4--43.33--13-PASS</p>



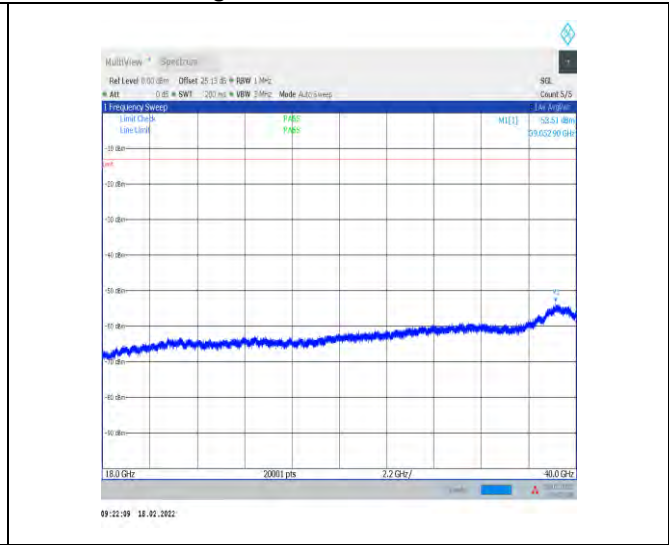
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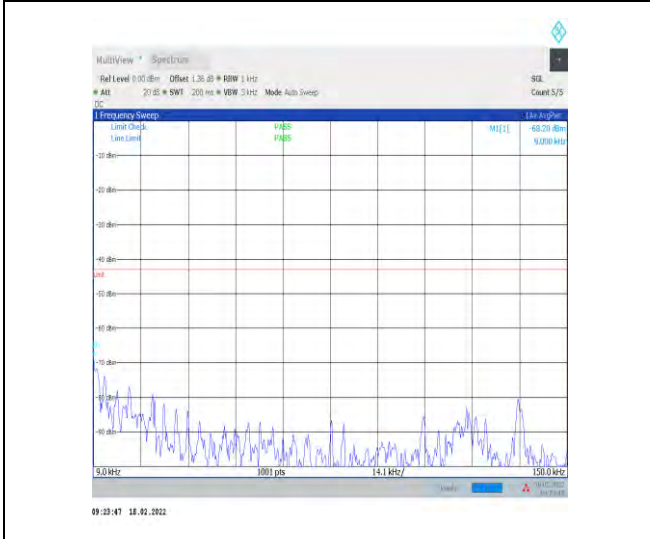
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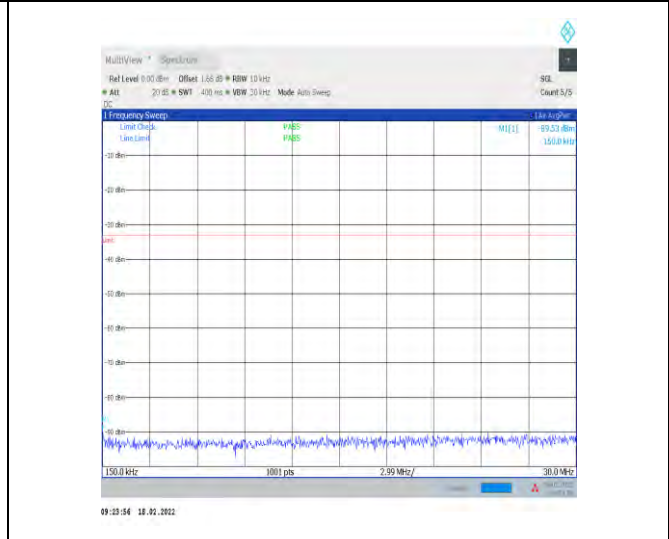
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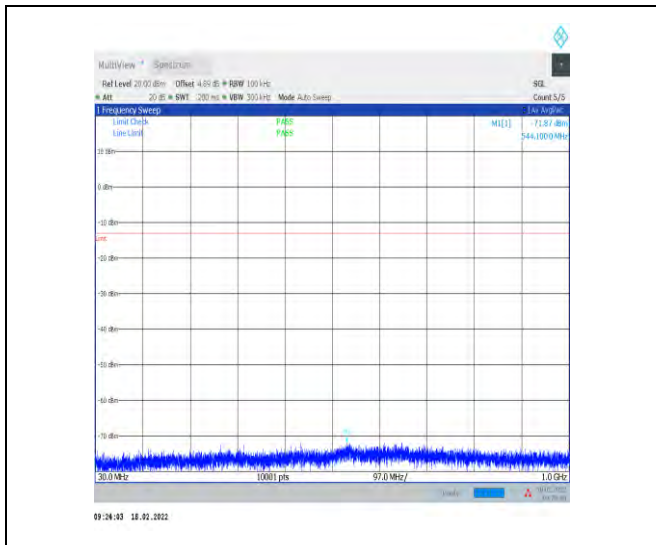
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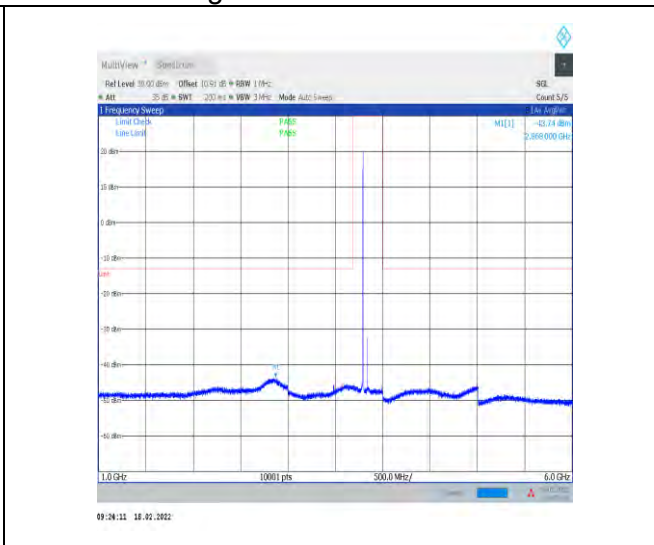
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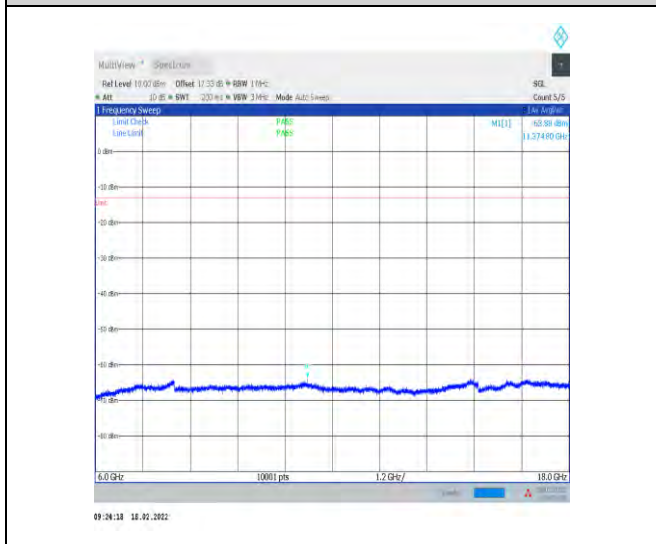
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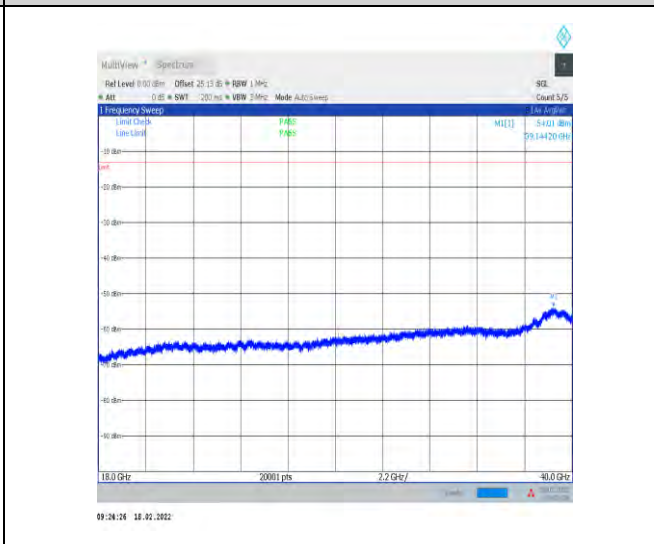
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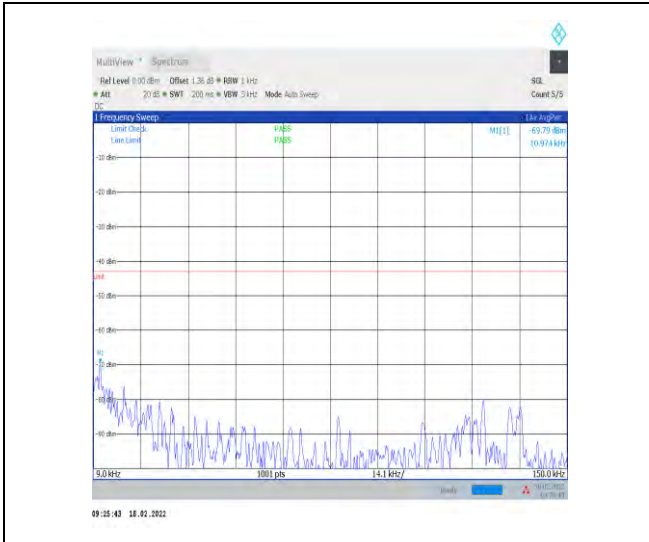
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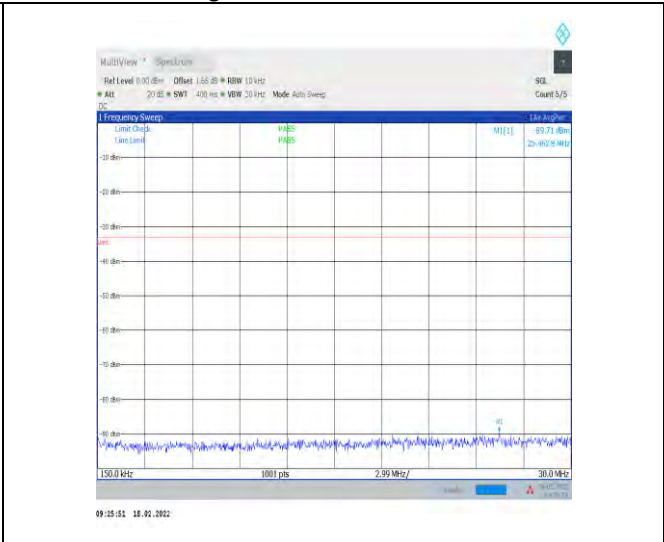
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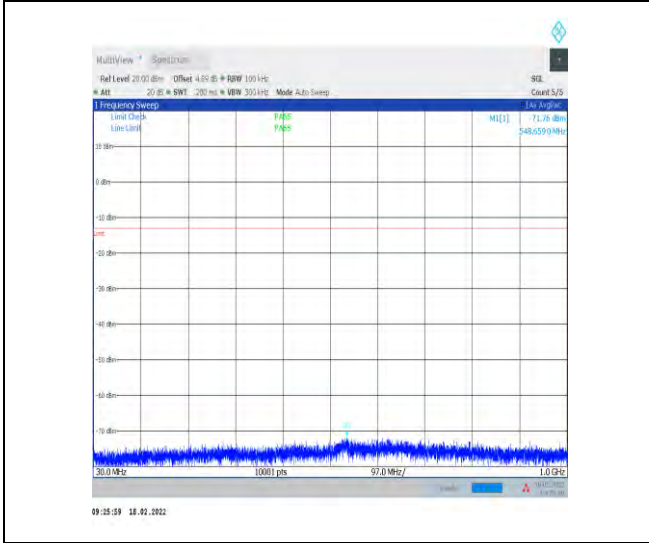
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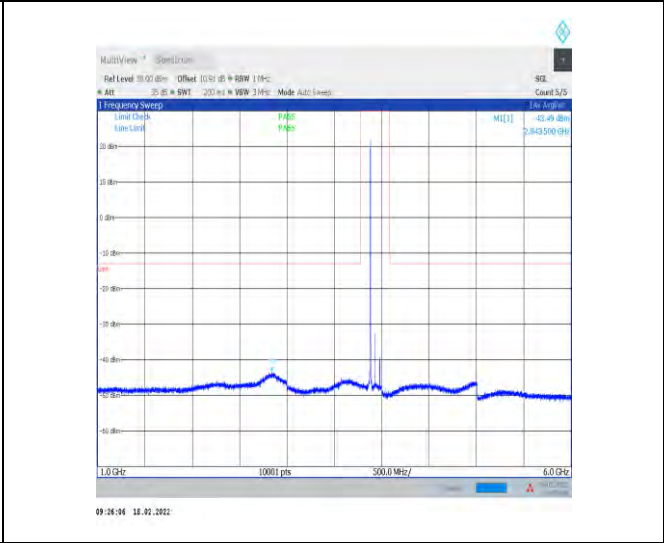
1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant4--69.79--43-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant4--89.71--33-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant4--71.76--13-PASS



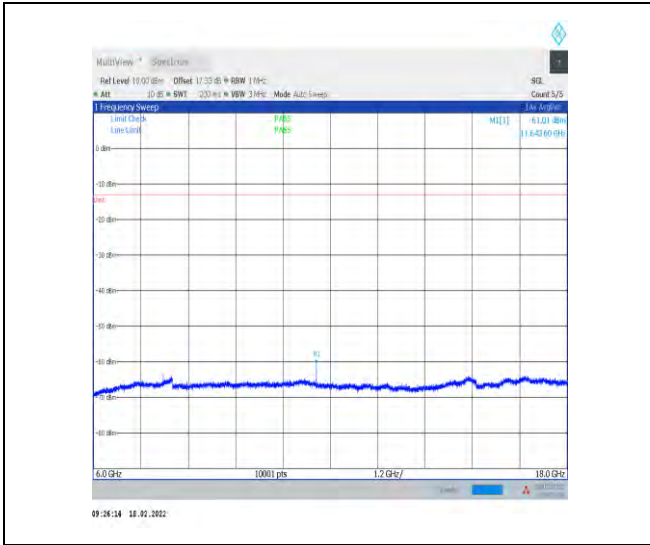
1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant4--43.49--13-PASS



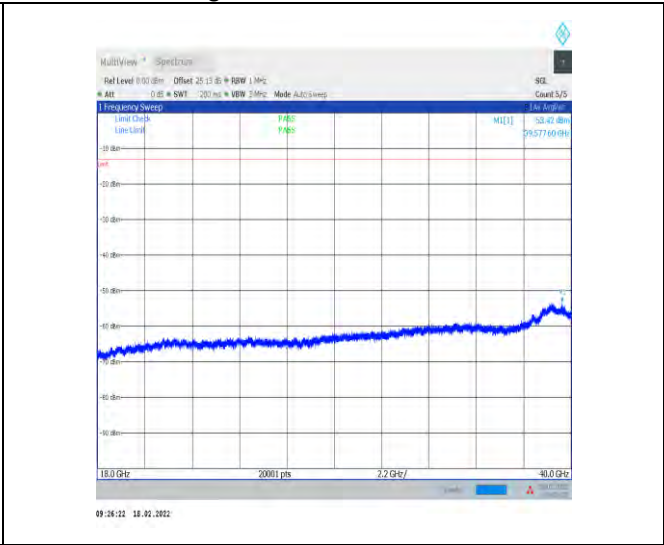
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1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant4--61.01--13-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant4--53.42--13-PASS



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Field Strength of Spurious Radiation

Test Band =NR_SA_Band77 _ TM1 ANT 4 (3450M-3550MHz)

Test Channel =Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.40	-101.66	-53.26	-13.00	40.26	186	128	Horizontal
2	8290.7143	50.65	-97.54	-46.89	-13.00	33.89	185	66	Horizontal
3	10215.27	44.34	-92.60	-48.26	-13.00	35.26	261	37	Horizontal
4	13520.36	42.35	-89.59	-47.24	-13.00	34.24	215	169	Horizontal
5	15811.7143	45.89	-90.84	-44.95	-13.00	31.95	102	332	Horizontal
6	17025.45	42.09	-88.50	-46.41	-13.00	33.41	185	147	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	49.11	-101.66	-52.55	-13.00	39.55	152	3	Vertical
2	7668.0714	52.58	-99.43	-46.85	-13.00	33.85	126	278	Vertical
3	10215.27	44.17	-92.60	-48.43	-13.00	35.43	145	360	Vertical
4	11957.5714	44.90	-91.40	-46.50	-13.00	33.50	290	337	Vertical
5	13520.36	42.35	-89.59	-47.24	-13.00	34.24	121	267	Vertical
6	17025.45	41.50	-88.50	-47.00	-13.00	34.00	264	220	Vertical



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Test Band =NR_SA_Band77 _ TM1 ANT 4 (3450M-3550MHz)
Test Channel =Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	48.85	-101.58	-52.73	-13.00	39.73	174	279	Horizontal
2	8248	50.34	-97.48	-47.14	-13.00	34.14	122	68	Horizontal
3	9324.0714	49.75	-94.75	-45.00	-13.00	32.00	235	359	Horizontal
4	10365.27	42.68	-92.76	-50.08	-13.00	37.08	149	291	Horizontal
5	13615.2143	44.83	-88.55	-43.72	-13.00	30.72	261	357	Horizontal
6	17986.8571	42.35	-83.65	-41.30	-13.00	28.30	188	303	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	48.38	-101.58	-53.20	-13.00	40.20	175	45	Vertical
2	8160.9286	50.81	-97.60	-46.79	-13.00	33.79	249	360	Vertical
3	9315.8571	49.86	-94.75	-44.89	-13.00	31.89	155	12	Vertical
4	10365.27	43.24	-92.76	-49.52	-13.00	36.52	237	45	Vertical
5	13820.36	43.38	-90.17	-46.79	-13.00	33.79	201	33	Vertical
6	17275.45	39.61	-86.62	-47.01	-13.00	34.01	222	104	Vertical



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Test Band =NR_SA_Band77 _ TM1 ANT 4 (3450M-3550MHz)

Test Channel =High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	47.69	-100.96	-53.27	-13.00	40.27	122	357	Horizontal
2	8259.5	51.21	-97.50	-46.29	-13.00	33.29	288	221	Horizontal
3	9207.4286	49.35	-94.79	-45.44	-13.00	32.44	194	359	Horizontal
4	10515.27	42.91	-92.32	-49.41	-13.00	36.41	172	106	Horizontal
5	14020.36	41.87	-90.10	-48.23	-13.00	35.23	266	3	Horizontal
6	17525.45	39.08	-86.18	-47.10	-13.00	34.10	114	151	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	49.22	-100.96	-51.74	-13.00	38.74	174	243	Vertical
2	7755.1429	50.34	-99.03	-48.69	-13.00	35.69	235	82	Vertical
3	9191	49.13	-94.85	-45.72	-13.00	32.72	188	220	Vertical
4	10515.27	44.60	-92.32	-47.72	-13.00	34.72	196	210	Vertical
5	14020.36	41.98	-90.10	-48.12	-13.00	35.12	234	142	Vertical
6	17525.45	39.69	-86.18	-46.49	-13.00	33.49	102	267	Vertical



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Test Band =NR_SA_Band77 _ TM1 ANT 4 (3700M-3980MHz)

Test Channel =Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.18	48.03	-100.45	-52.42	-13.00	39.42	162	222	Horizontal
2	8359.7143	49.05	-97.35	-48.30	-13.00	35.30	185	198	Horizontal
3	9306	48.10	-94.76	-46.66	-13.00	33.66	214	314	Horizontal
4	10965.27	41.19	-91.12	-49.93	-13.00	36.93	261	80	Horizontal
5	13626.7143	44.86	-88.76	-43.90	-13.00	30.90	185	234	Horizontal
6	14620.36	41.05	-89.74	-48.69	-13.00	35.69	216	129	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.18	47.64	-100.45	-52.81	-13.00	39.81	126	163	Vertical
2	8287.4286	49.32	-97.53	-48.21	-13.00	35.21	142	34	Vertical
3	9902.3571	52.83	-93.88	-41.05	-13.00	28.05	186	303	Vertical
4	10965.27	42.03	-91.12	-49.09	-13.00	36.09	244	174	Vertical
5	13600.4286	43.95	-88.28	-44.33	-13.00	31.33	185	303	Vertical
6	14620.36	40.37	-89.74	-49.37	-13.00	36.37	261	360	Vertical



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Test Band =NR_SA_Band77 _ TM1 ANT 4 (3700M-3980MHz)

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.18	47.85	-99.81	-51.96	-13.00	38.96	162	209	Horizontal
2	8266.0714	49.64	-97.51	-47.87	-13.00	34.87	185	315	Horizontal
3	9294.5	48.44	-94.76	-46.32	-13.00	33.32	264	347	Horizontal
4	11385.27	40.66	-91.16	-50.50	-13.00	37.50	196	3	Horizontal
5	13682.5714	45.22	-89.79	-44.57	-13.00	31.57	215	360	Horizontal
6	15180.36	41.46	-89.51	-48.05	-13.00	35.05	181	44	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.18	48.64	-99.81	-51.17	-13.00	38.17	162	139	Vertical
2	8716.2143	48.29	-96.07	-47.78	-13.00	34.78	185	33	Vertical
3	9304.3571	48.18	-94.76	-46.58	-13.00	33.58	215	302	Vertical
4	11385.27	41.33	-91.16	-49.83	-13.00	36.83	161	221	Vertical
5	13679.2857	45.73	-89.73	-44.00	-13.00	31.00	194	360	Vertical
6	15180.36	41.71	-89.51	-47.80	-13.00	34.80	185	245	Vertical



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Test Band =NR_SA_Band77 _ TM1 ANT 4 (3700M-3980MHz)

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.18	46.68	-98.71	-52.03	-13.00	39.03	261	360	Horizontal
2	8773.7143	47.93	-95.81	-47.88	-13.00	34.88	196	46	Horizontal
3	9287.9286	48.39	-94.76	-46.37	-13.00	33.37	264	138	Horizontal
4	11221.5714	44.54	-90.30	-45.76	-13.00	32.76	185	353	Horizontal
5	13584	43.76	-88.54	-44.78	-13.00	31.78	214	353	Horizontal
6	15740.36	41.09	-90.98	-49.89	-13.00	36.89	183	104	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.18	46.80	-98.71	-51.91	-13.00	38.91	261	221	Vertical
2	8852.5714	48.46	-95.85	-47.39	-13.00	34.39	196	105	Vertical
3	9386.5	48.49	-94.72	-46.23	-13.00	33.23	321	245	Vertical
4	11231.4286	45.14	-90.45	-45.31	-13.00	32.31	185	302	Vertical
5	13643.1429	44.63	-89.06	-44.43	-13.00	31.43	218	268	Vertical
6	15740.36	41.32	-90.98	-49.66	-13.00	36.66	264	360	Vertical

Remark: all the antenna were tested, but only showed the worst case in this report.



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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
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-7.870000	-0.002049	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-9.692000	-0.002524	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-3.667000	-0.000955	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-1.661000	-0.000433	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-6.597000	-0.001718	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-12.735000	-0.003316	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.034000	-0.001311	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-7.517000	-0.001958	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-9.423000	-0.002454	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-8.904000	-0.002319	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	0.451000	0.000117	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.076000	-0.001061	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-8.926000	-0.002324	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-3.085000	-0.000803	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-6.182000	-0.001610	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	0.335000	0.000087	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-9.748000	-0.002539	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-2.812000	-0.000732	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-5.135000	-0.001337	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-0.120000	-0.000031	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-3.317000	-0.000864	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-4.862000	-0.001266	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-3.821000	-0.000995	PASS



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0-3980										
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-2.405000	-0.000626	PASS

The End



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