

Appendix B.23

NR Band n71

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	23.8	22.56	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	22.69	21.45	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	23.75	22.51	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	22.7	21.46	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	23.56	22.32	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	22.59	21.35	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	23.68	22.44	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	22.7	21.46	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	23.77	22.53	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	22.7	21.46	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	23.71	22.47	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	22.53	21.29	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	23.72	22.48	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	22.73	21.49	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	23.86	22.62	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	22.78	21.54	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	23.69	22.45	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	22.54	21.3	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.79	22.55	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.66	22.42	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	23.24	22	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	23.67	22.43	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	23.54	22.3	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	22.82	21.58	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	22.62	21.38	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Right	22.59	21.35	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	21.87	20.63	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	21.45	20.21	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Right	21.39	20.15	34.77	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	21.46	20.22	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Left	18.78	17.54	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	18.77	17.53	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	19.38	18.14	34.77	PASS

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N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.9	22.66	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.59	22.35	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	23.25	22.01	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	23.77	22.53	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	23.49	22.25	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	22.8	21.56	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	22.85	21.61	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	22.42	21.18	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	21.83	20.59	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	21.65	20.41	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	21.32	20.08	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	21.43	20.19	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	18.89	17.65	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	18.68	17.44	34.77	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	19.36	18.12	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.82	22.58	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.45	22.21	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	23.08	21.84	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	23.69	22.45	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	23.42	22.18	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	22.62	21.38	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	22.73	21.49	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	22.41	21.17	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	21.63	20.39	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	21.58	20.34	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	21.2	19.96	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	21.16	19.92	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	18.81	17.57	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	18.59	17.35	34.77	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	19.16	17.92	34.77	PASS

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Peak-to-Average Ratio for SA

Test Graphs



1-N71-PC3-15-20-L-15-NS_01-DFT-256QAM-Outer_
Full-100@0-7.90



1-N71-PC3-15-20-L-15-NS_01-CP-256QAM-Outer_
Full-100@0-6.25



1-N71-PC3-15-20-M-15-NS_01-DFT-256QAM-Outer_
_Full-100@0-7.70



1-N71-PC3-15-20-M-15-NS_01-CP-256QAM-Outer_
Full-100@0-6.00

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1-N71-PC3-15-20-H-15-NS_01-DFT-256QAM-Outer_
Full-100@0-7.90



1-N71-PC3-15-20-H-15-NS_01-CP-256QAM-Outer_
Full-100@0-6.10

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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

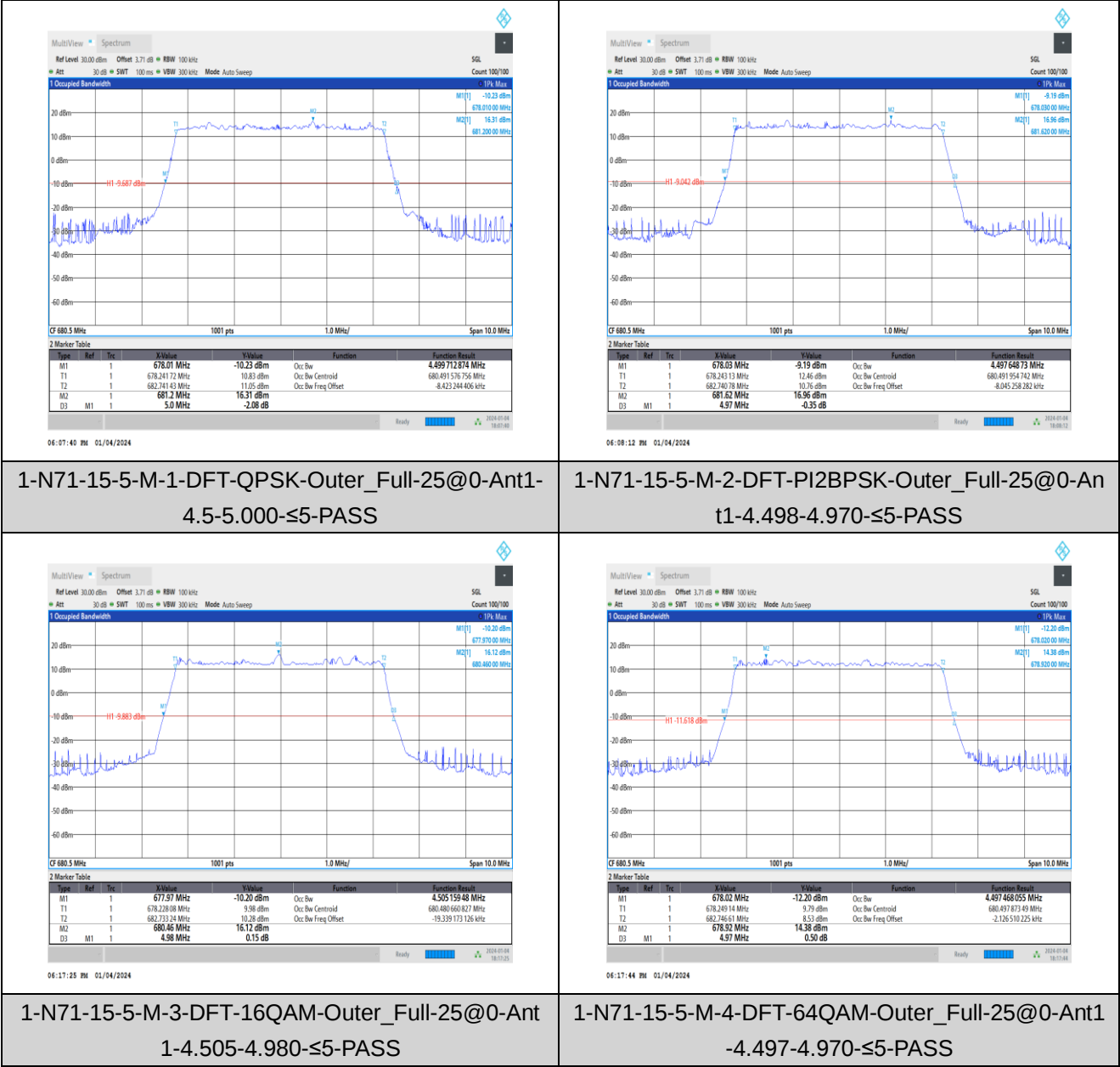
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	M	Outer_Full	4.5	5.000	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.498	4.970	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.505	4.980	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.497	4.970	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.486	5.010	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.489	5.040	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.524	5.090	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.516	5.090	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.494	5.000	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.926	9.600	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.898	9.520	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.939	9.560	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.931	9.500	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.921	9.600	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.273	10.040	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.267	10.000	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.266	9.940	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.282	9.900	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.443	14.490	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.407	14.430	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.485	17.130	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.404	14.460	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.461	14.490	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.141	15.180	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.139	15.360	PASS
N71	15	15	CP-64QAM	M	Outer_Full	14.169	15.210	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.124	15.360	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.827	19.200	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.928	18.880	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.855	19.000	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.823	18.960	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.858	19.200	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.881	20.000	PASS

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N71	15	20	CP-16QAM	M	Outer_Full	18.926	20.040	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.901	20.000	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.961	20.040	PASS

Test Graphs

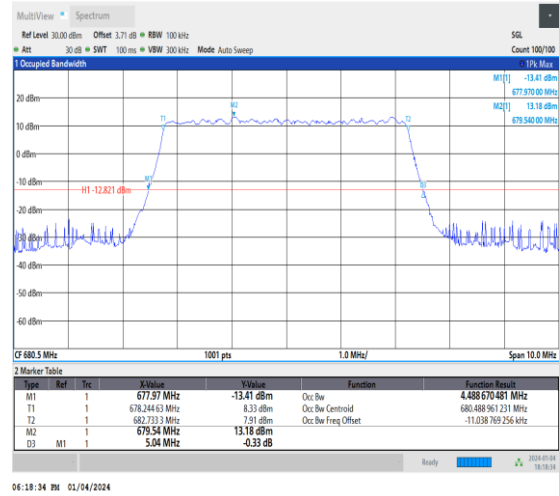
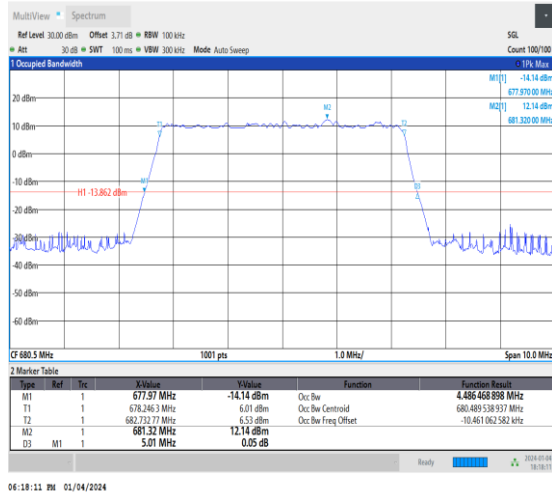


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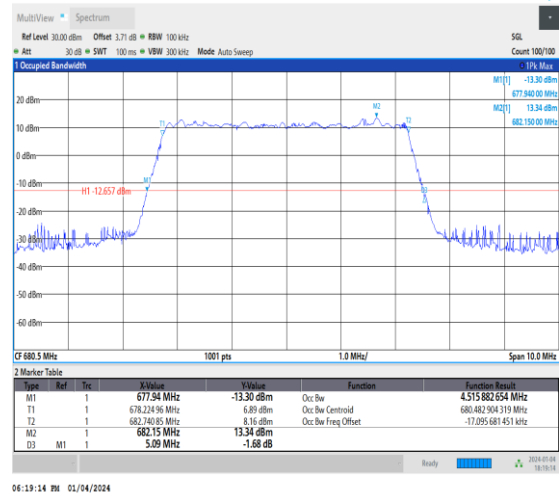
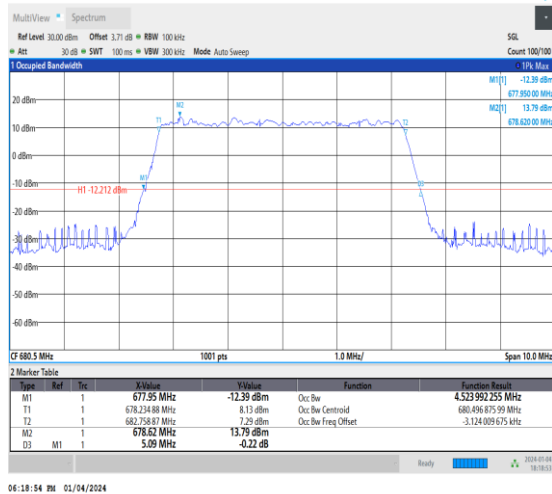
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1-N71-15-5-M-5-DFT-256QAM-Outer_Full-25@0-An
t1-4.486-5.010-≤5-PASS

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489-5.040-≤5-PASS



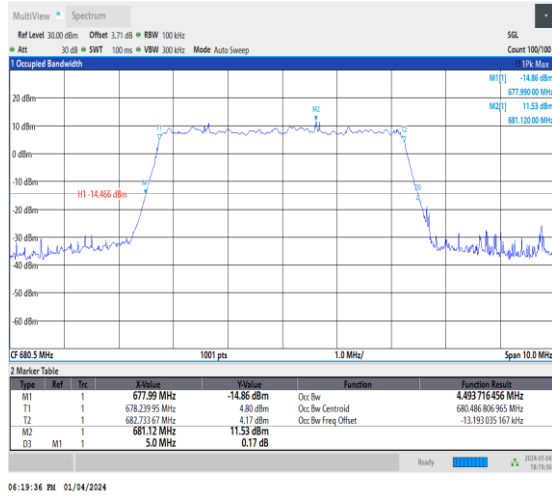
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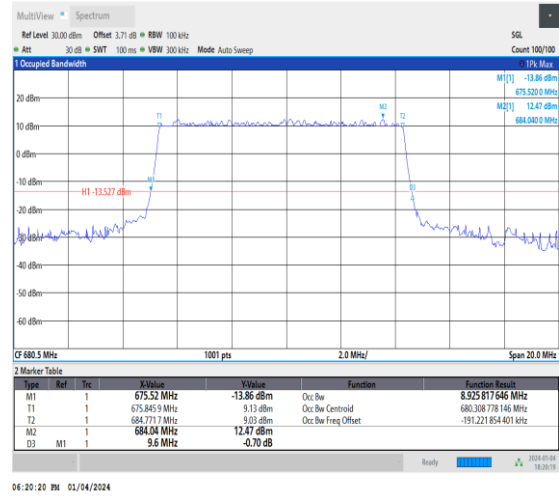
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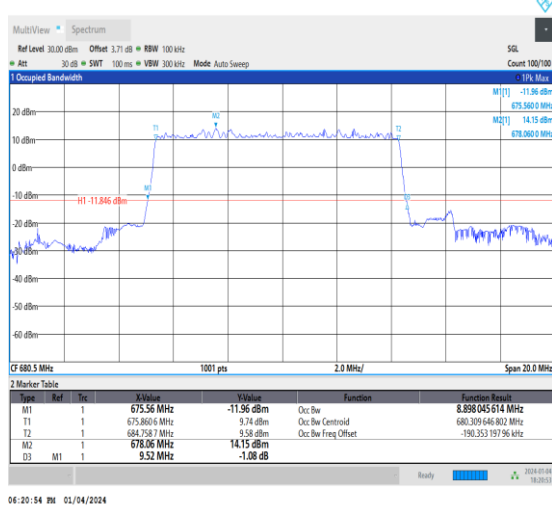
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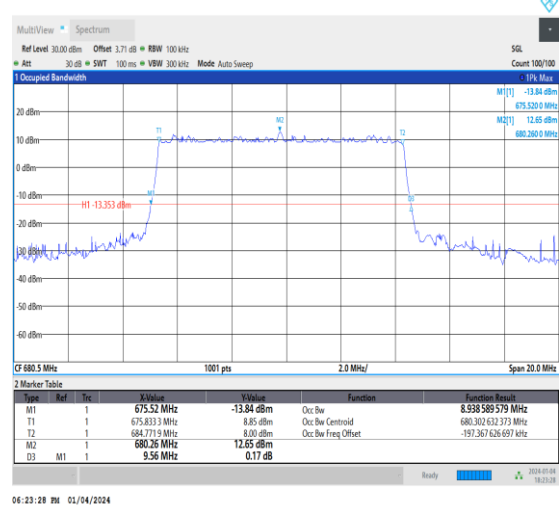
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1-4.494-5.000-≤5-PASS



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-8.926-9.600-≤10-PASS



1-N71-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.898-9.520-≤10-PASS

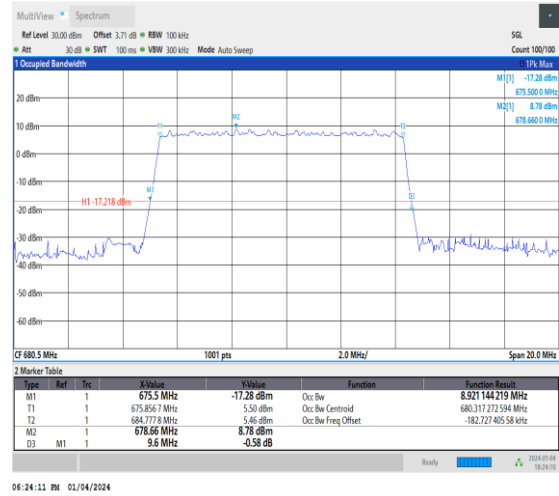
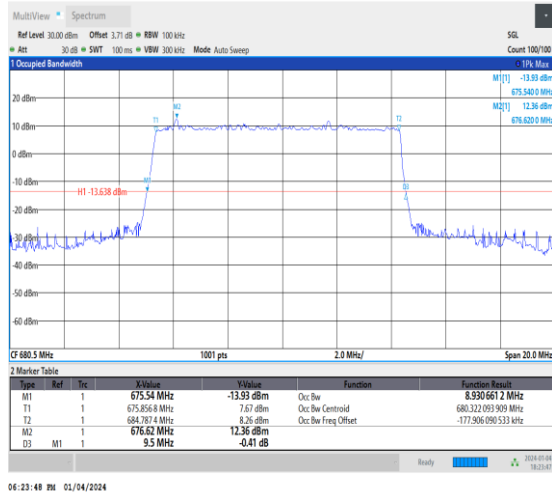


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1-8.939-9.560-≤10-PASS

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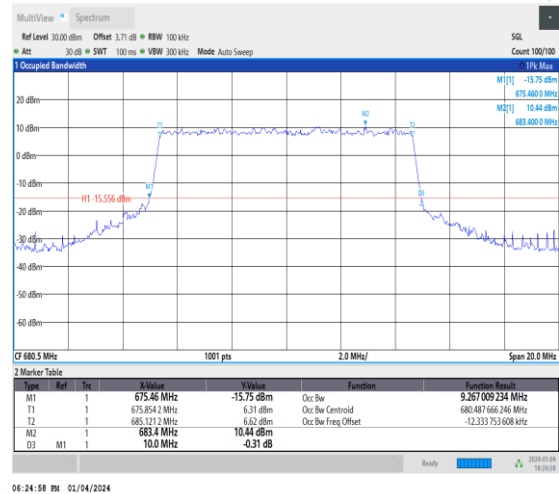
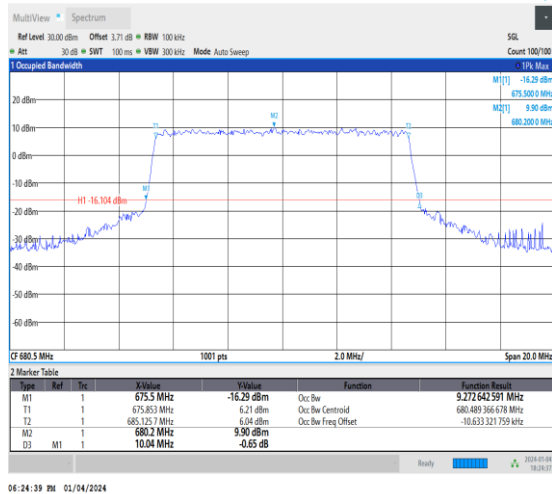
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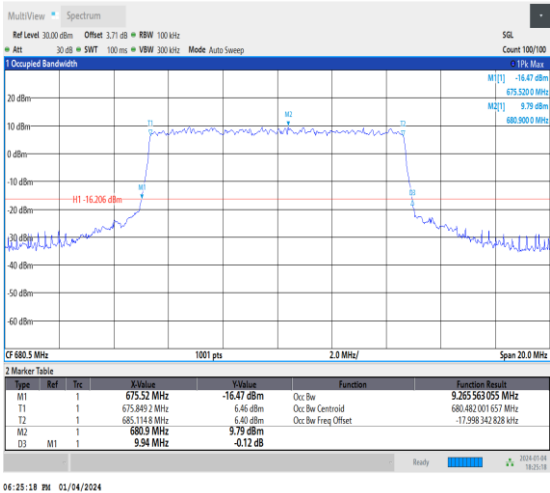
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t1-8.931-9.500-≤10-PASS

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nt1-8.921-9.600-≤10-PASS

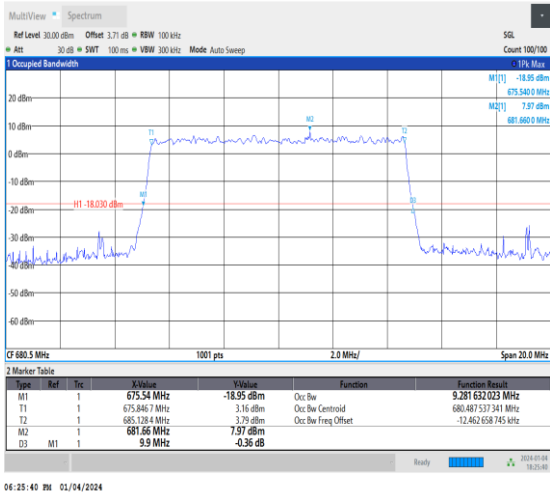


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9.273-10.040-≤10-PASS

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-9.267-10.000-≤10-PASS



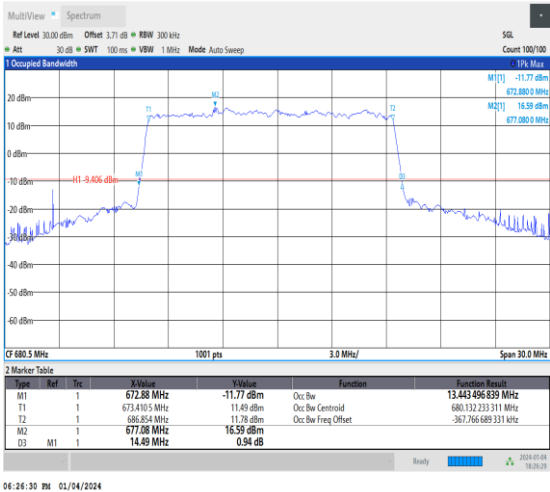
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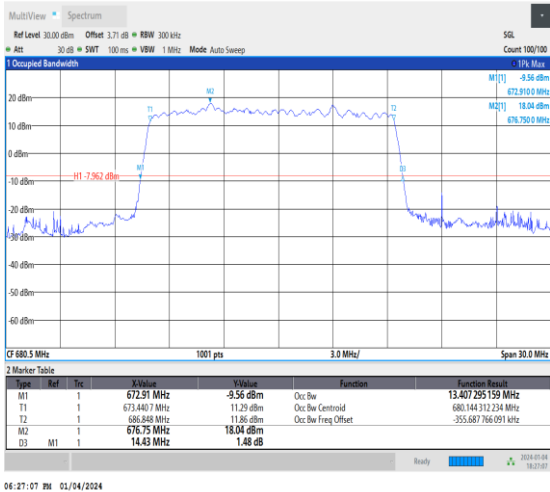
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1-9.266-9.940≤10-PASS

1-N71-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.282-9.900≤10-PASS



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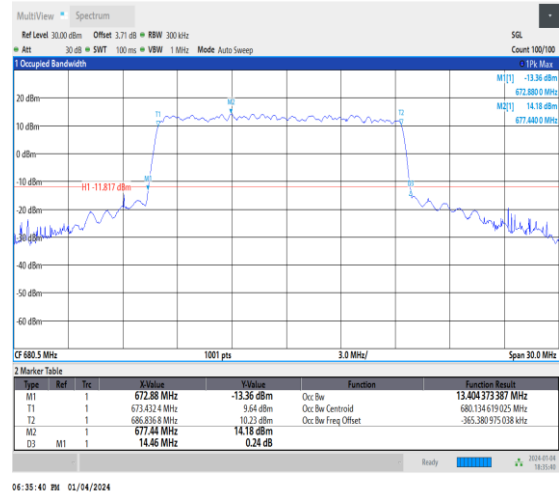
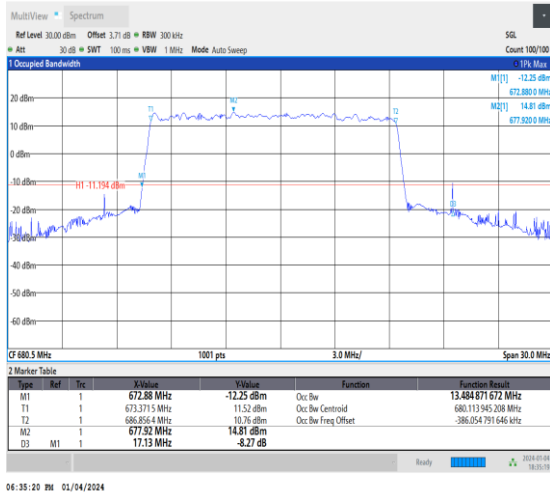
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-13.443-14.490≤15-PASS

1-N71-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1
-13.407-14.430≤15-PASS

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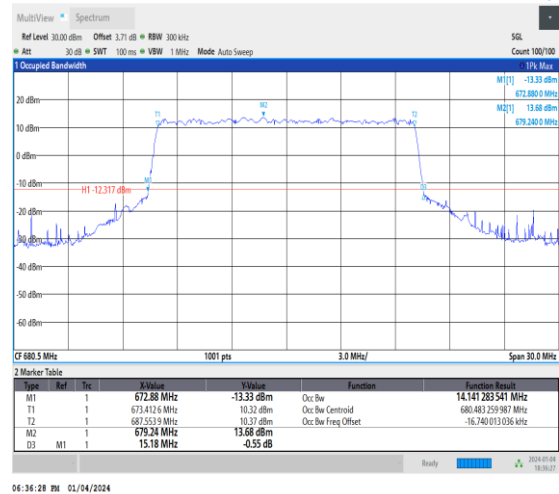
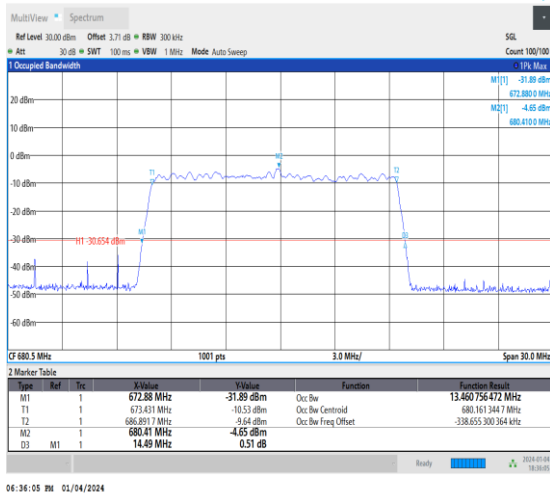
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1-N71-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
t1-13.485-17.130-≤15-PASS

1-N71-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
1-13.404-14.460-≤15-PASS



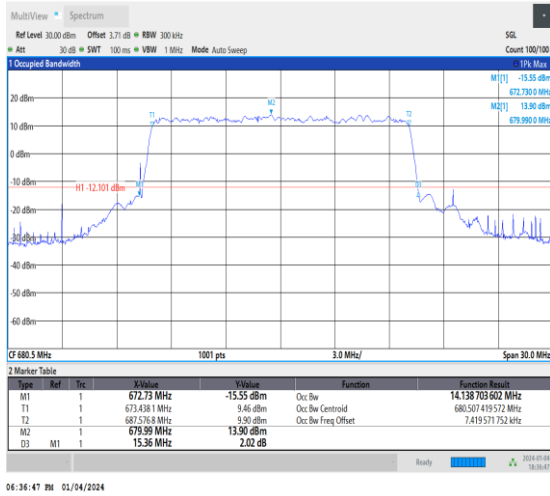
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nt1-13.461-14.490-≤15-PASS

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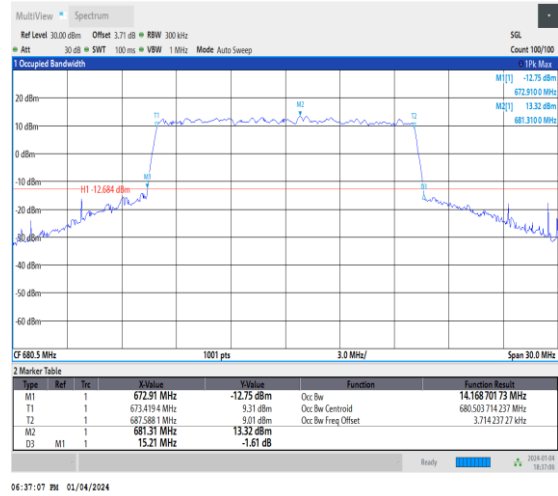
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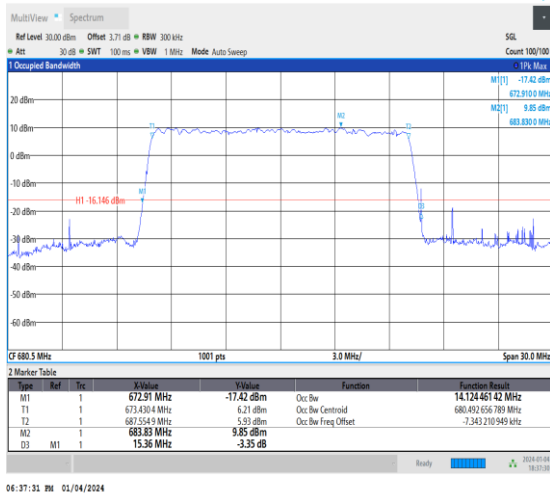
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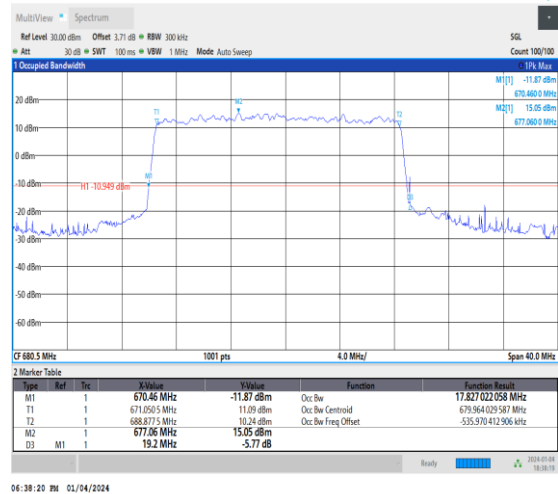
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1-14.139-15.360≤15-PASS

1-N71-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1
-14.169-15.210≤15-PASS



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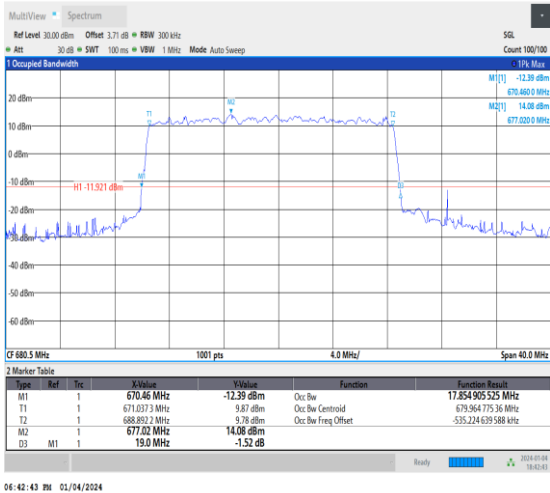
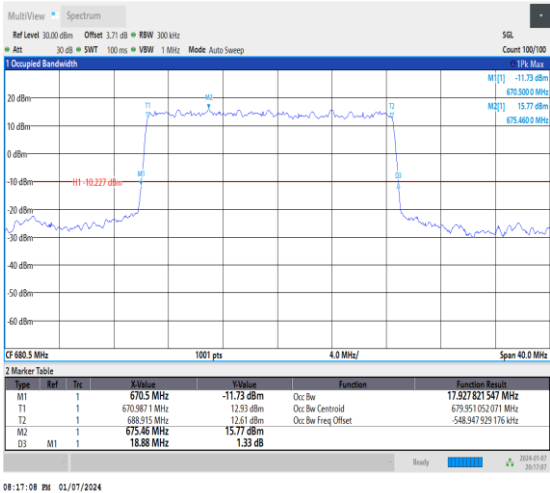
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t1-14.124-15.360≤15-PASS

1-N71-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.827-19.200≤20-PASS

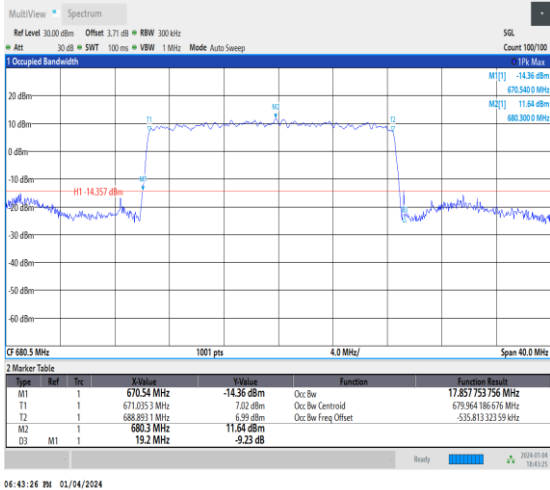
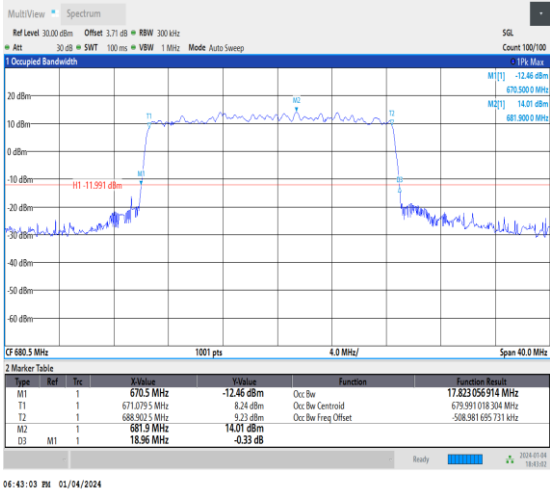
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1-N71-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-39.594-40.000-≤20-FAIL

1-N71-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.855-19.000-≤20-PASS



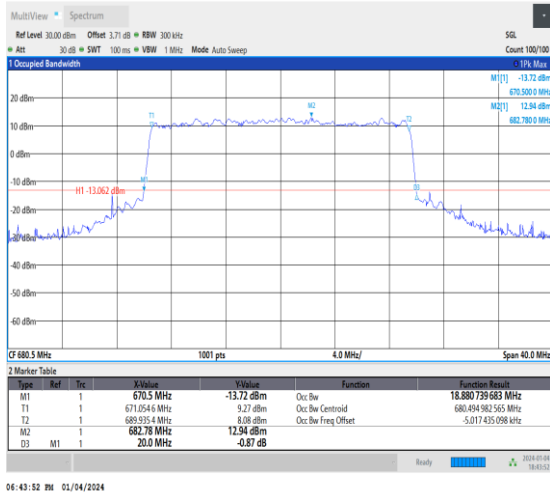
1-N71-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.823-18.960-≤20-PASS

1-N71-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.858-19.200-≤20-PASS

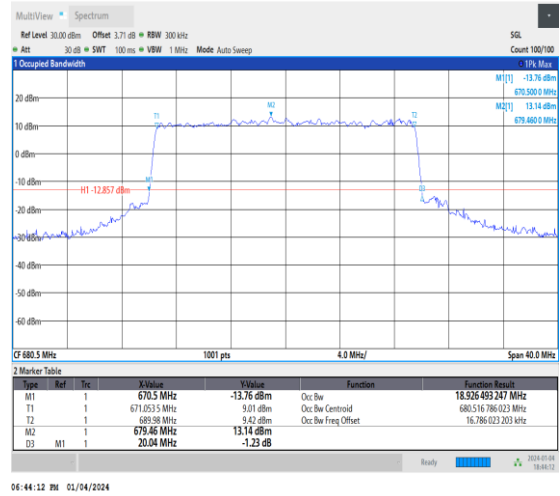
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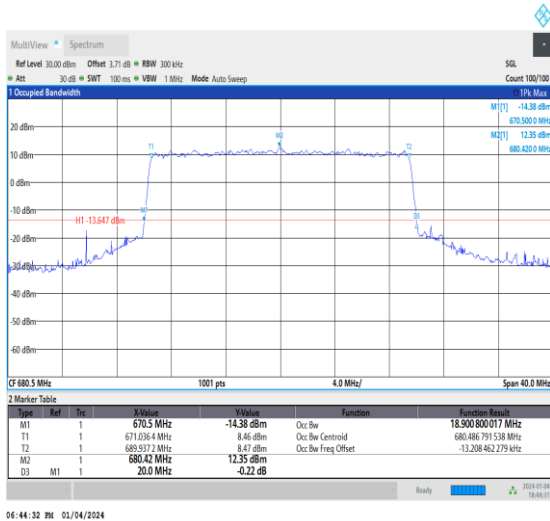
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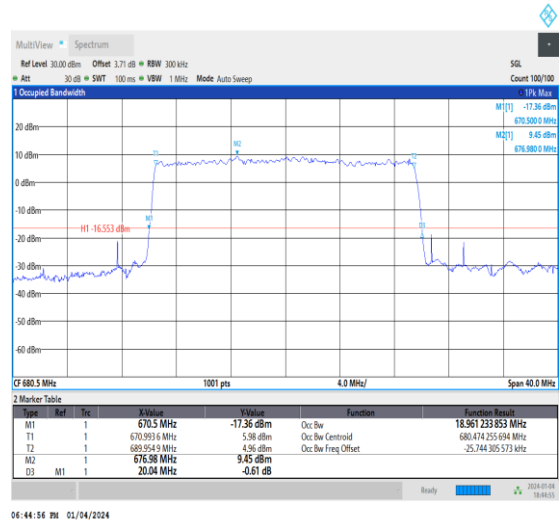
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1-N71-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
1-18.881-20.000-≤20-PASS

1-N71-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant
1-18.926-20.040-≤20-PASS



06:44:32 PM 01/04/2024



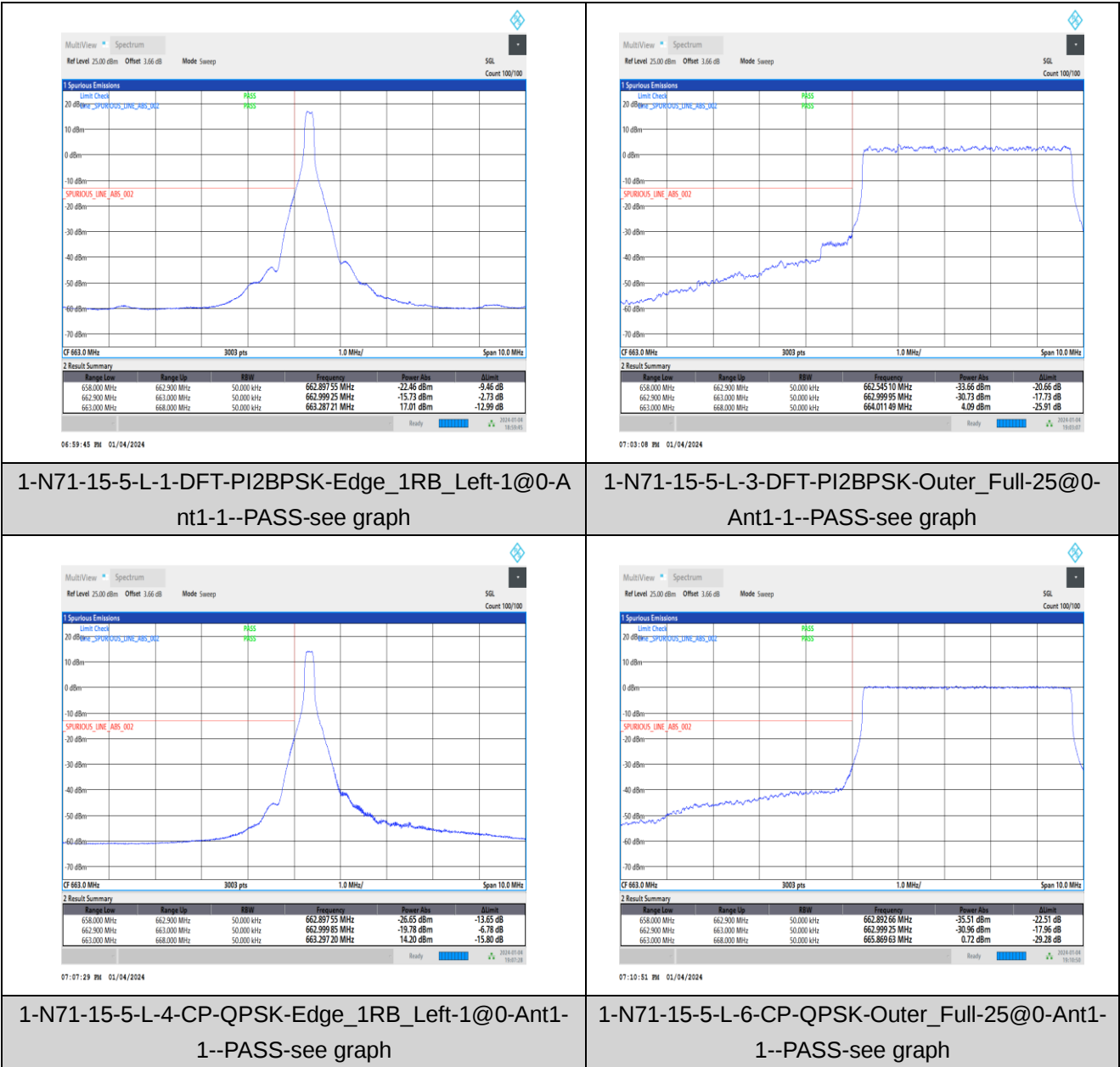
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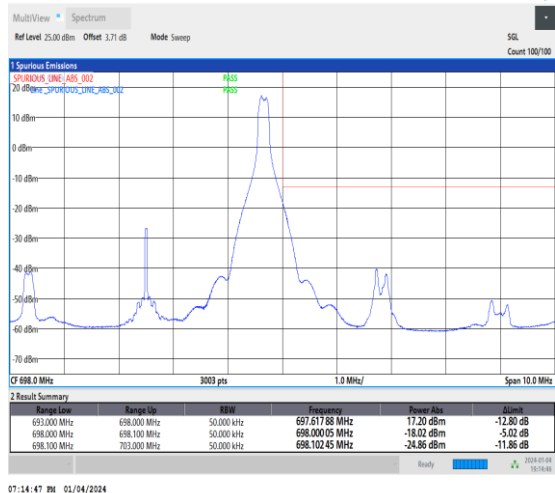
1-N71-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
t1-18.901-20.000-≤20-PASS

1-N71-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant
nt1-18.961-20.040-≤20-PASS

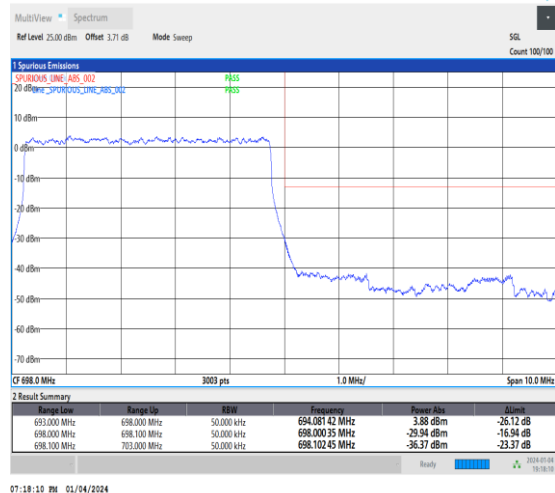
Band Edge for SA

Test Graphs

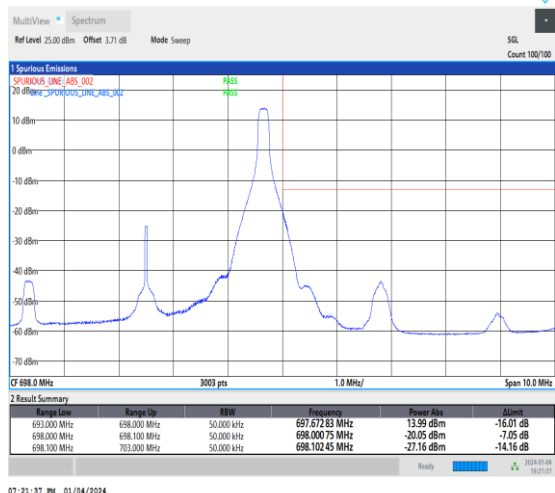




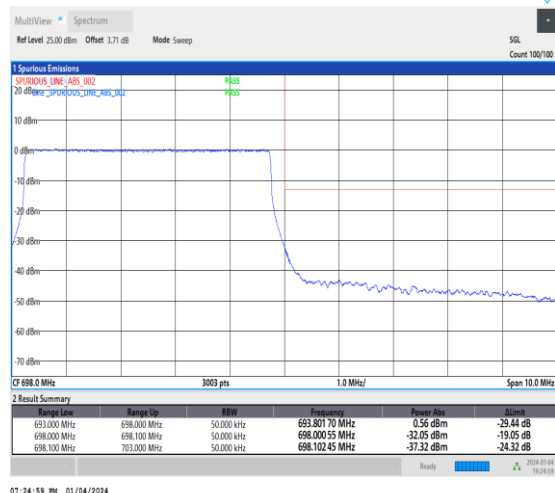
1-N71-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2 4-Ant1-1--PASS-see graph



1-N71-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



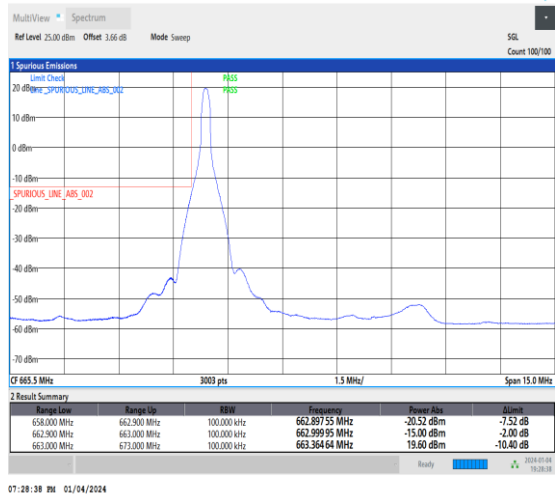
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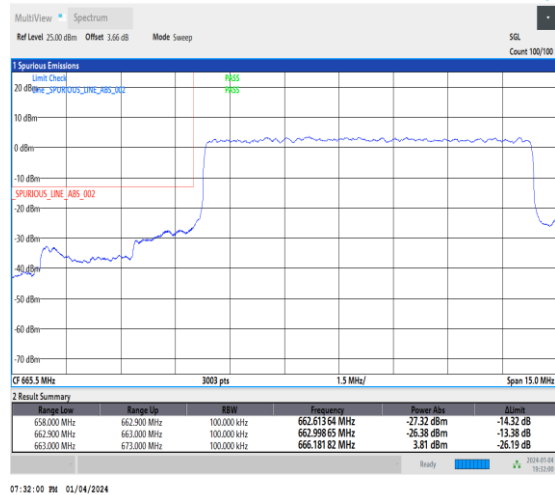
1-N71-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph

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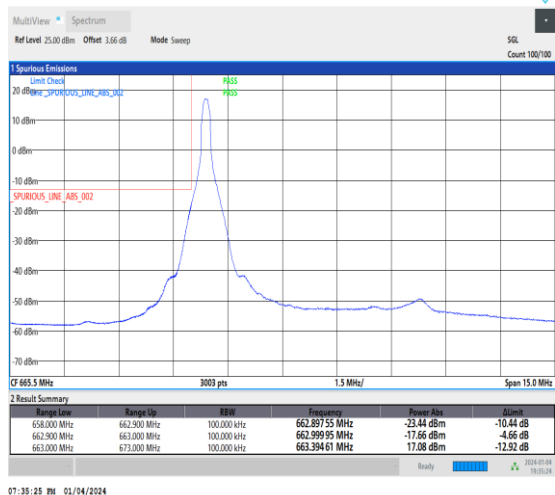
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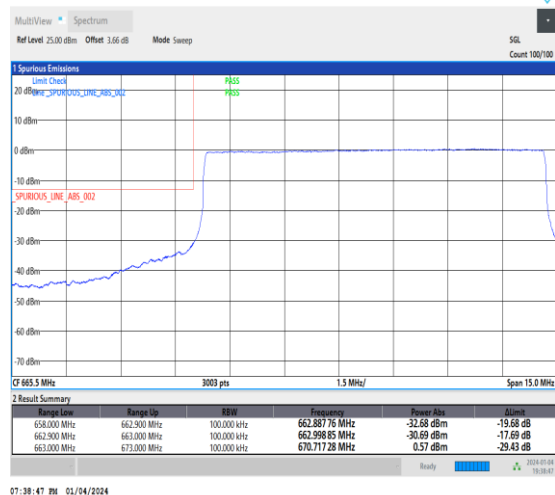
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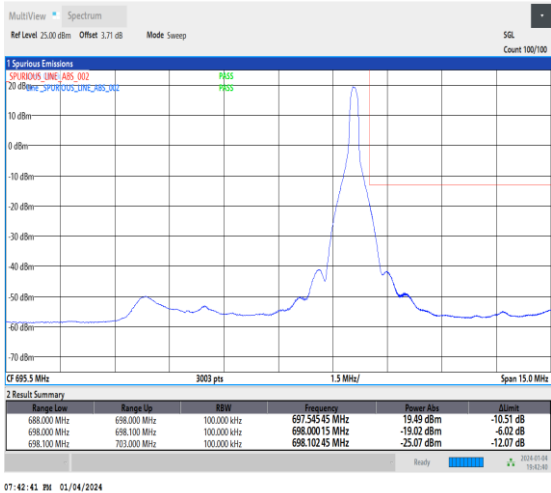
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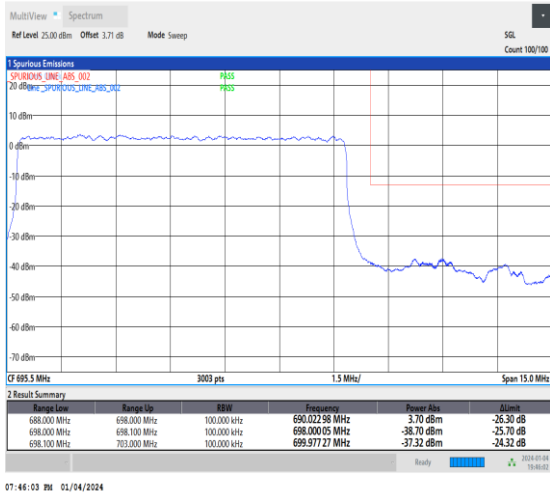
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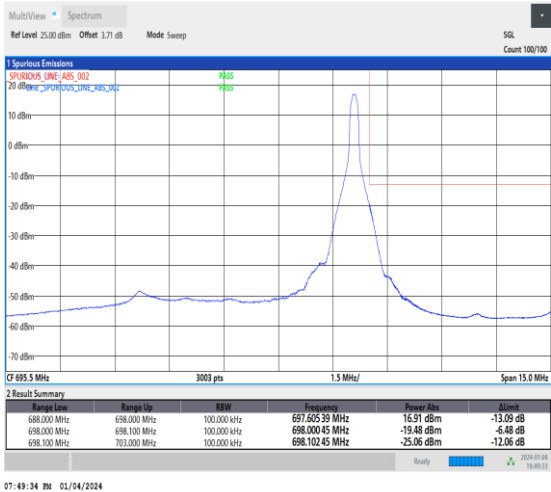
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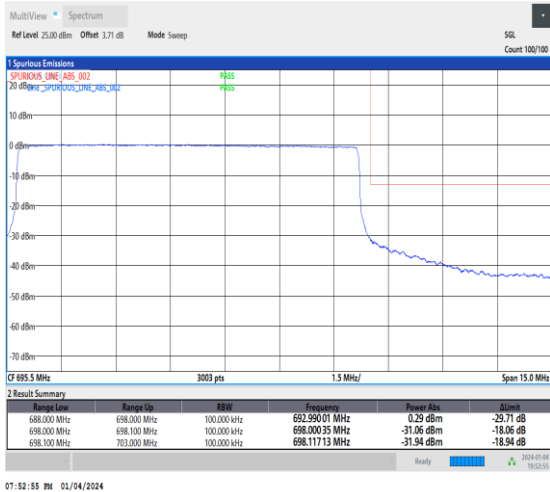
1-N71-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



1-N71-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



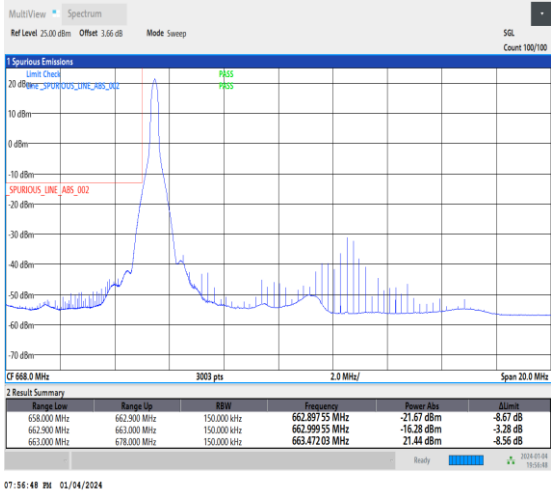
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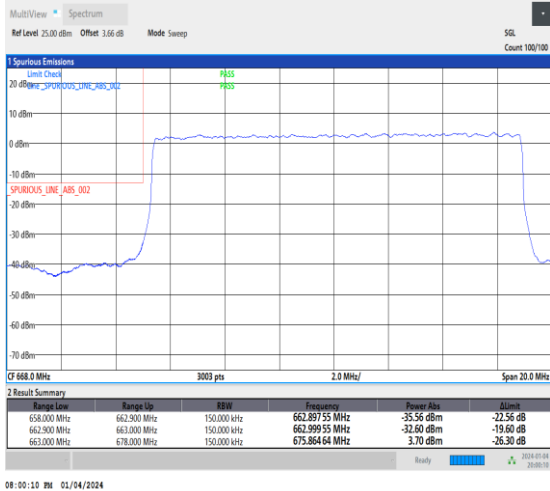
1-N71-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph

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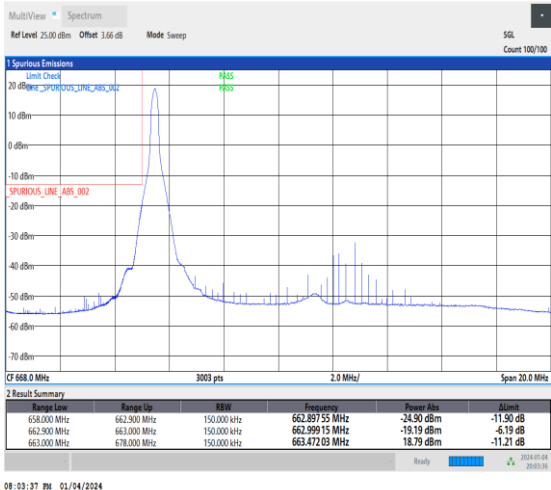
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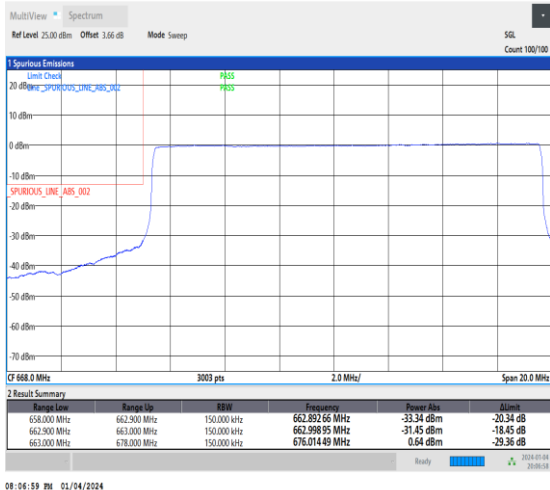
1-N71-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



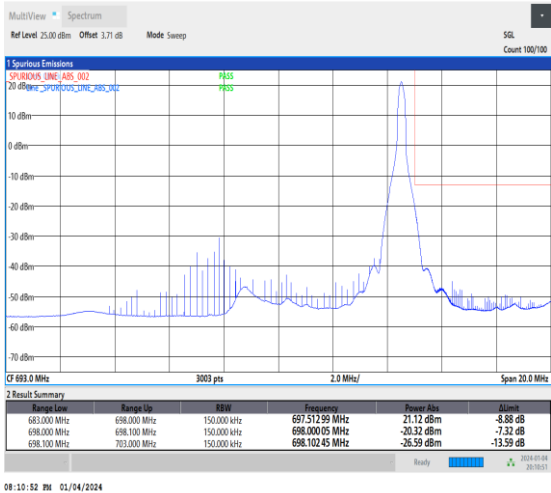
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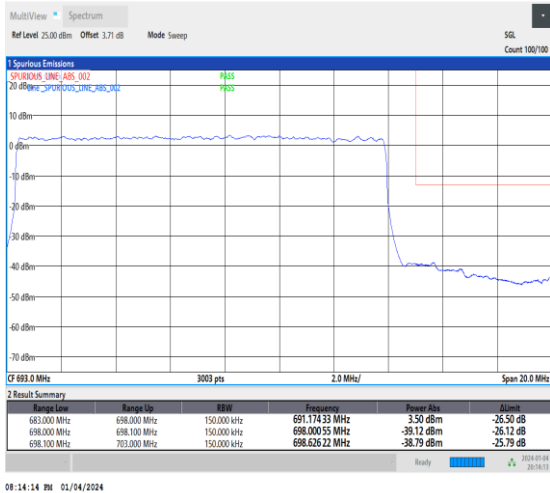
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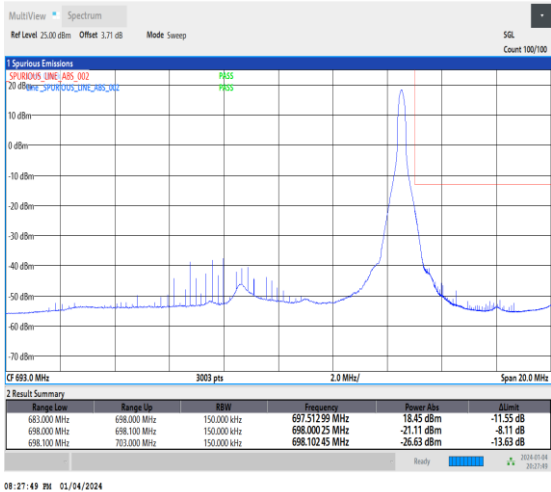
1-N71-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



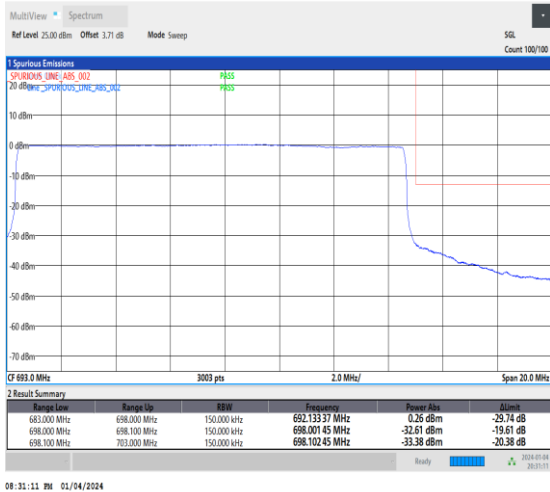
1-N71-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-1--PASS-see graph



1-N71-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



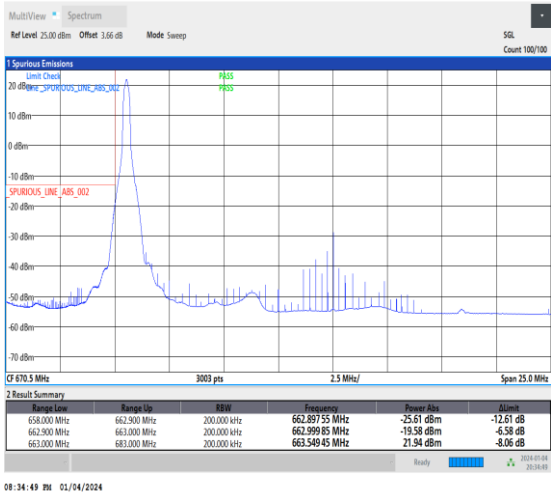
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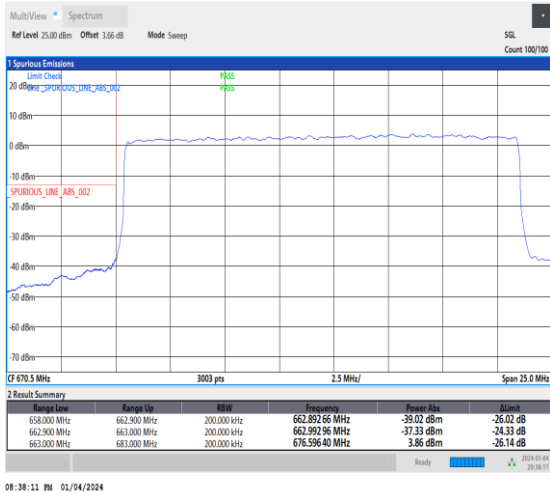
1-N71-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph

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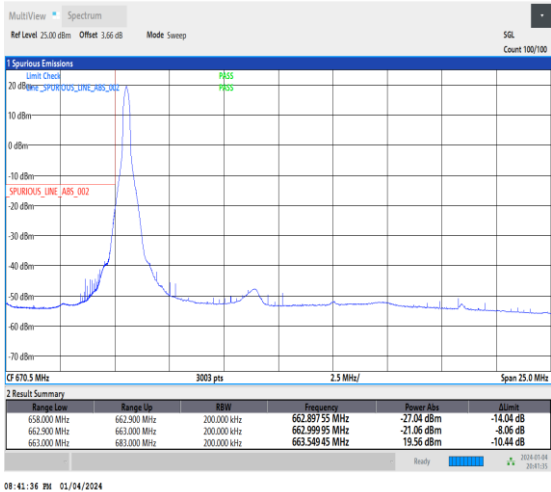
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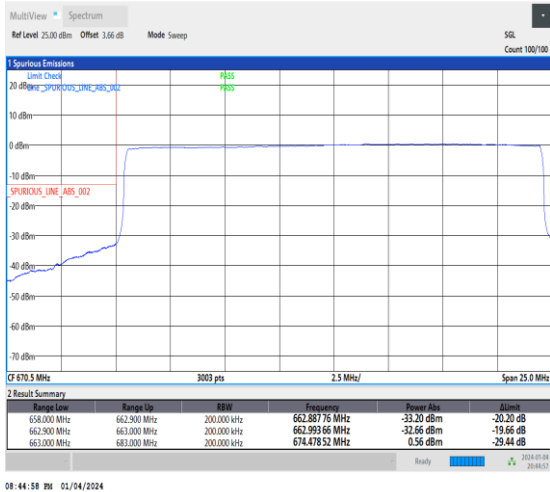
1-N71-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N71-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N71-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

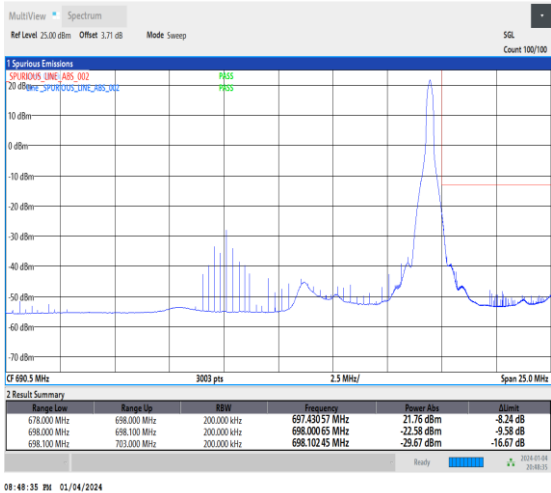


1-N71-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

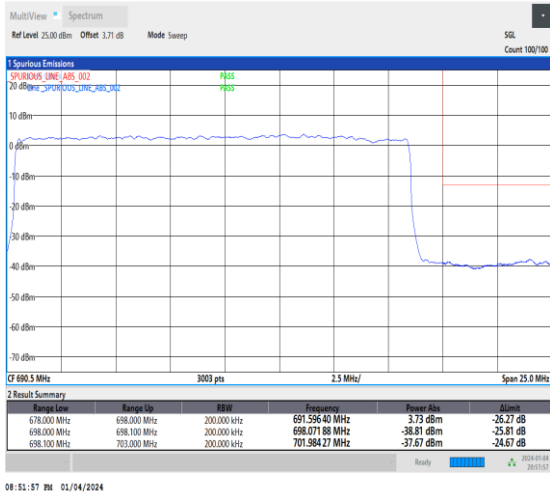
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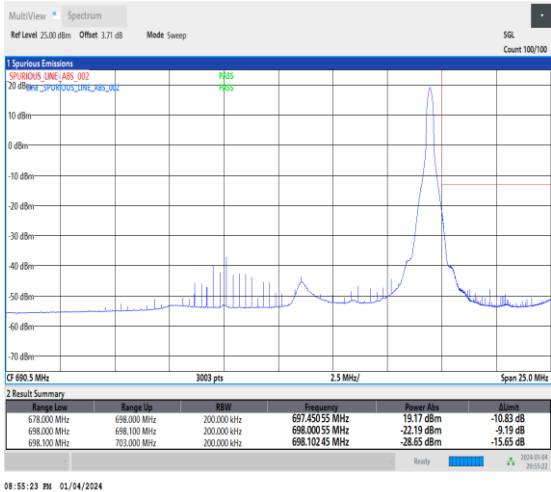
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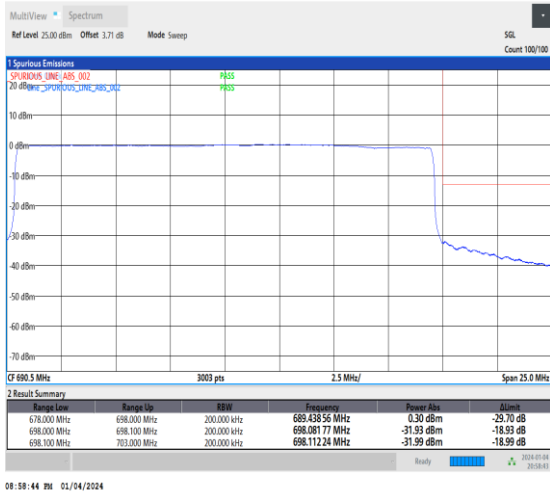
1-N71-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N71-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



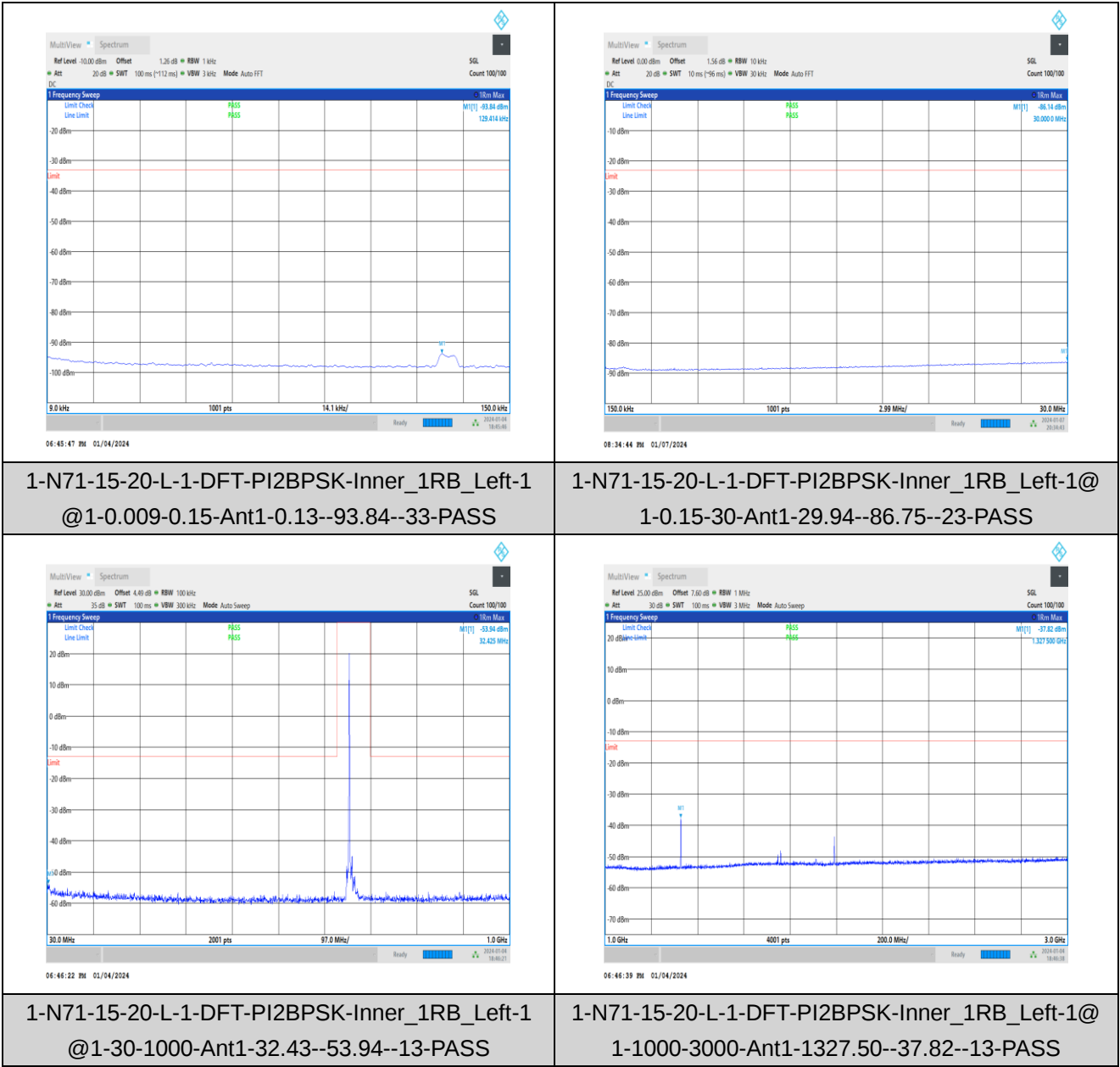
1-N71-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N71-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

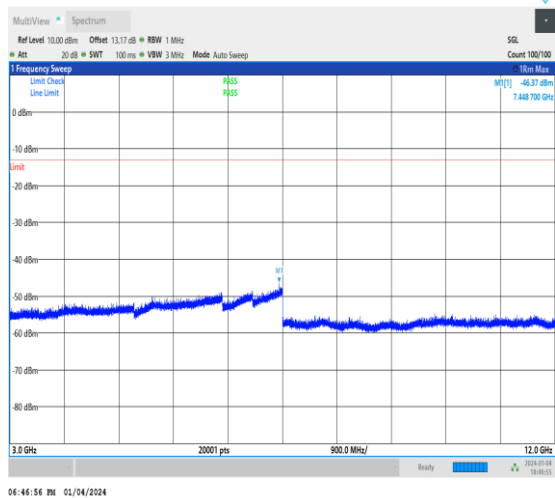
Conducted Spurious Emission for SA

Test Graphs

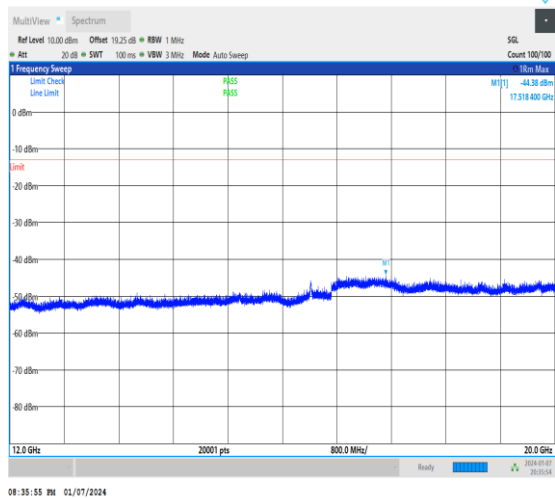


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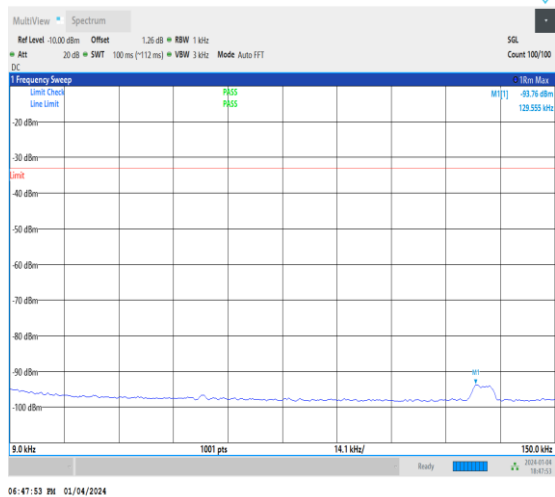
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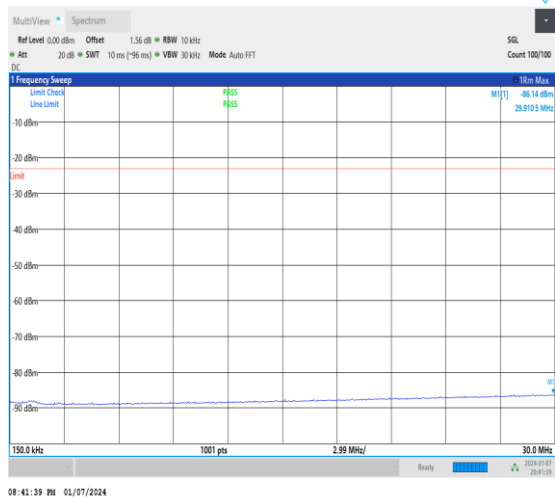
1-N71-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1-7448.70--46.37--13-PASS



1-N71-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant1-17029.20--44.55--13-PASS



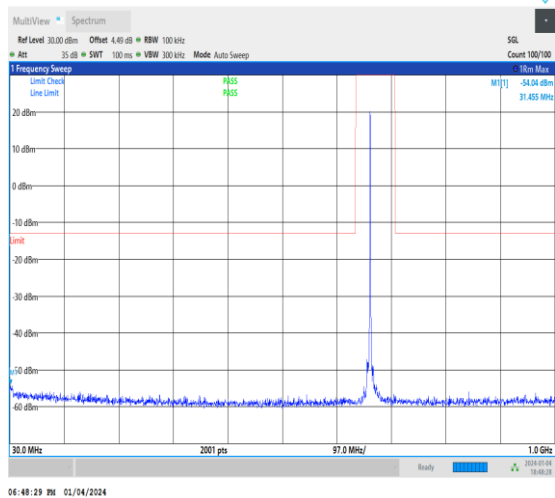
1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant1-0.13--93.76--33-PASS



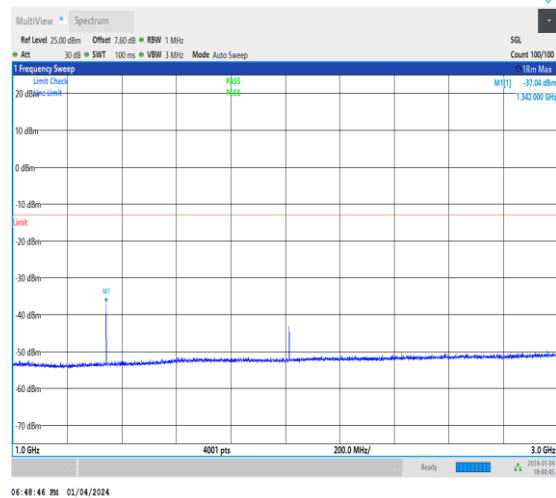
1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1-29.88--86.78--23-PASS

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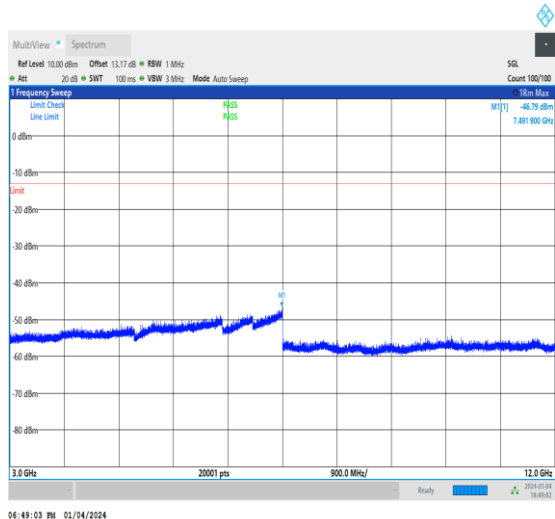
SUWI-TRF-RF A001



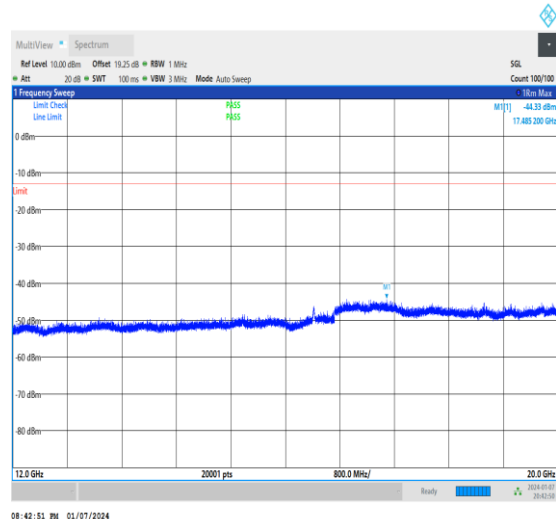
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@ 1-30-1000-Ant1-31.46--54.04--13-PASS



1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-1000-3000-Ant1-1342.00--37.04--13-PASS



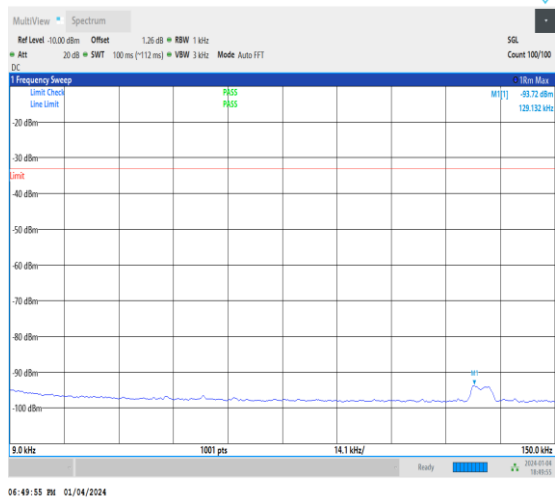
1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@ 1-3000-12000-Ant1-7491.90--46.79--13-PASS



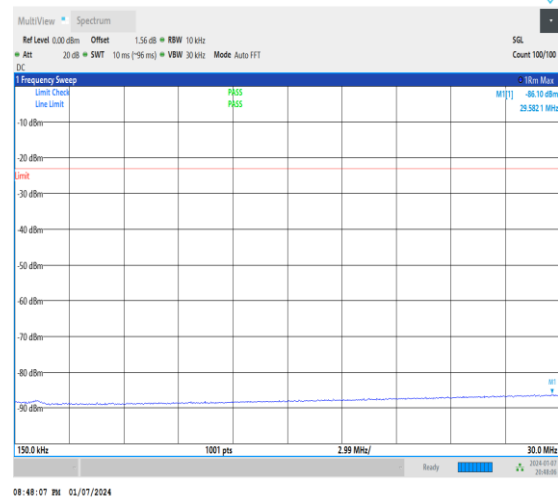
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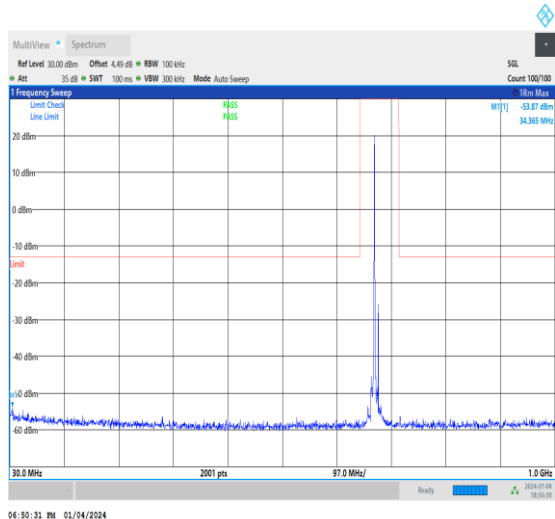
SUWI-TRF-RF A001



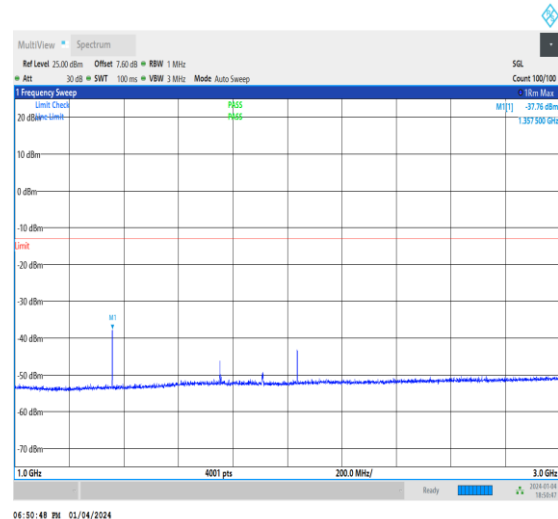
1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant1-0.13-93.72--33-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1-30.00--86.81--23-PASS



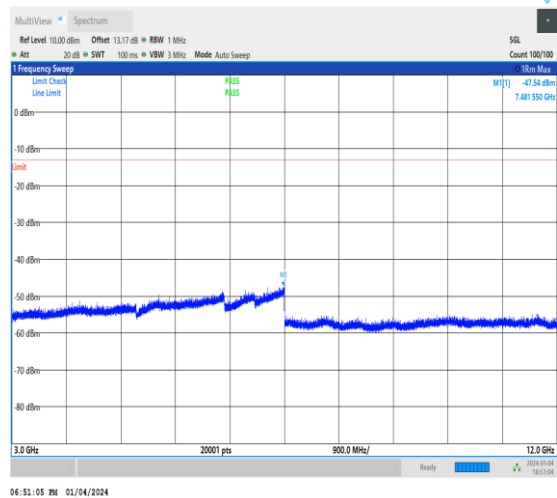
1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-30-1000-Ant1-34.37--53.87--13-PASS



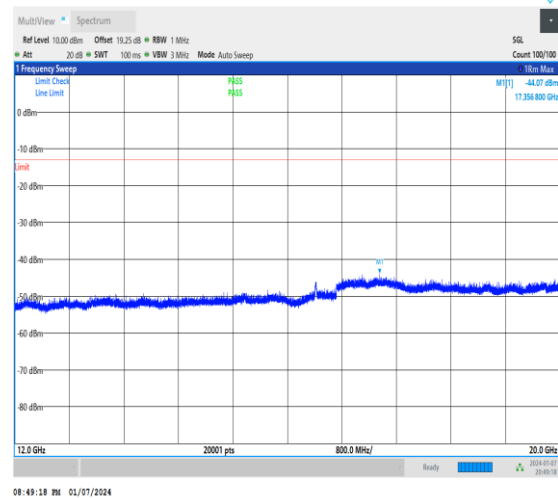
1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-1000-3000-Ant1-1357.50--37.76--13-PASS

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1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1-7481.55--47.54--13-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant1-16934.00--44.49--13-PASS

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Field Strength of Spurious Radiation

Test Band = SA Band71_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.90	-48.09	25.14	-74.32	-13.00	61.32	Horizontal
2	1992.2700	43.57	-47.91	25.89	-73.72	-13.00	60.72	Horizontal
3	2656.3600	42.10	-47.00	27.61	-72.54	-13.00	59.54	Horizontal
4	3320.4500	42.43	-46.65	28.49	-70.99	-13.00	57.99	Horizontal
5	3984.5400	40.97	-46.20	29.08	-71.41	-13.00	58.41	Horizontal
6	4648.6300	40.14	-45.79	30.63	-70.29	-13.00	57.29	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.30	-48.09	25.14	-74.92	-13.00	61.92	Vertical
2	1992.2700	42.88	-47.91	25.89	-74.41	-13.00	61.41	Vertical
3	2656.3600	42.13	-47.00	27.61	-72.51	-13.00	59.51	Vertical
4	3320.4500	42.26	-46.65	28.49	-71.16	-13.00	58.16	Vertical
5	3984.5400	41.50	-46.20	29.08	-70.88	-13.00	57.88	Vertical
6	4648.6300	40.03	-45.79	30.63	-70.40	-13.00	57.40	Vertical

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Test Band = SA Band71_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1800	43.73	-48.07	25.13	-74.48	-13.00	61.48	Horizontal
2	2014.7700	42.24	-47.87	25.94	-74.95	-13.00	61.95	Horizontal
3	2686.3600	41.91	-47.03	27.67	-72.71	-13.00	59.71	Horizontal
4	3357.9500	41.73	-46.60	28.51	-71.61	-13.00	58.61	Horizontal
5	4029.5400	40.90	-46.11	29.17	-71.30	-13.00	58.30	Horizontal
6	4701.1300	40.11	-45.80	30.74	-70.21	-13.00	57.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1343.1800	43.56	-48.07	25.13	-74.65	-13.00	61.65	Vertical
2	2014.7700	42.17	-47.87	25.94	-75.02	-13.00	62.02	Vertical
3	2686.3600	42.24	-47.03	27.67	-72.38	-13.00	59.38	Vertical
4	3357.9500	42.03	-46.60	28.51	-71.31	-13.00	58.31	Vertical
5	4029.5400	40.84	-46.11	29.17	-71.36	-13.00	58.36	Vertical
6	4701.1300	39.99	-45.80	30.74	-70.33	-13.00	57.33	Vertical

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Test Band = SA Band71_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	44.12	-48.05	25.12	-74.07	-13.00	61.07	Horizontal
2	2037.2700	43.18	-47.83	26.01	-73.90	-13.00	60.90	Horizontal
3	2716.3600	42.53	-47.03	27.73	-72.03	-13.00	59.03	Horizontal
4	3395.4500	41.71	-46.55	28.54	-71.56	-13.00	58.56	Horizontal
5	4074.5400	40.81	-45.98	29.28	-71.15	-13.00	58.15	Horizontal
6	4753.6300	40.48	-45.71	30.86	-69.64	-13.00	56.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	44.37	-48.05	25.12	-73.82	-13.00	60.82	Vertical
2	2037.2700	42.88	-47.83	26.01	-74.20	-13.00	61.20	Vertical
3	2716.3600	42.60	-47.03	27.73	-71.96	-13.00	58.96	Vertical
4	3395.4500	41.07	-46.55	28.54	-72.20	-13.00	59.20	Vertical
5	4074.5400	40.88	-45.98	29.28	-71.08	-13.00	58.08	Vertical
6	4753.6300	40.01	-45.71	30.86	-70.11	-13.00	57.11	Vertical

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Test Band = NSA 2A_N71A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.86	-48.09	25.14	-74.36	-13.00	61.36	Horizontal
2	1992.2700	42.74	-47.91	25.89	-74.55	-13.00	61.55	Horizontal
3	2656.3600	42.25	-47.00	27.61	-72.39	-13.00	59.39	Horizontal
4	3320.4500	41.84	-46.65	28.49	-71.58	-13.00	58.58	Horizontal
5	3984.5400	40.91	-46.20	29.08	-71.47	-13.00	58.47	Horizontal
6	4648.6300	39.44	-45.79	30.63	-70.99	-13.00	57.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328.1800	43.22	-48.09	25.14	-75.00	-13.00	62.00	Vertical
2	1992.2700	42.67	-47.91	25.89	-74.62	-13.00	61.62	Vertical
3	2656.3600	42.20	-47.00	27.61	-72.44	-13.00	59.44	Vertical
4	3320.4500	41.90	-46.65	28.49	-71.52	-13.00	58.52	Vertical
5	3984.5400	40.74	-46.20	29.08	-71.64	-13.00	58.64	Vertical
6	4648.6300	39.32	-45.79	30.63	-71.11	-13.00	58.11	Vertical

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Test Band = NSA 2A_N71A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	43.71	-48.07	25.13	-74.49	-13.00	61.49	Horizontal
2	2022.2700	42.15	-47.86	25.96	-75.01	-13.00	62.01	Horizontal
3	2696.3600	41.72	-47.05	27.69	-72.89	-13.00	59.89	Horizontal
4	3370.4500	42.14	-46.58	28.52	-71.18	-13.00	58.18	Horizontal
5	4044.5400	40.32	-46.07	29.21	-71.80	-13.00	58.80	Horizontal
6	4718.6300	39.80	-45.77	30.78	-70.45	-13.00	57.45	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1800	43.85	-48.07	25.13	-74.35	-13.00	61.35	Vertical
2	2022.2700	42.16	-47.86	25.96	-75.00	-13.00	62.00	Vertical
3	2696.3600	41.48	-47.05	27.69	-73.13	-13.00	60.13	Vertical
4	3370.4500	41.70	-46.58	28.52	-71.62	-13.00	58.62	Vertical
5	4044.5400	40.19	-46.07	29.21	-71.93	-13.00	58.93	Vertical
6	4718.6300	39.96	-45.77	30.78	-70.29	-13.00	57.29	Vertical

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Test Band = NSA 2A_N71A_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	43.94	-48.05	25.12	-74.25	-13.00	61.25	Horizontal
2	2037.2700	42.89	-47.83	26.01	-74.19	-13.00	61.19	Horizontal
3	2716.3600	43.07	-47.03	27.73	-71.49	-13.00	58.49	Horizontal
4	3395.4500	41.02	-46.55	28.54	-72.25	-13.00	59.25	Horizontal
5	4074.5400	40.85	-45.98	29.28	-71.11	-13.00	58.11	Horizontal
6	4753.6300	40.13	-45.71	30.86	-69.99	-13.00	56.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1358.1800	43.74	-48.05	25.12	-74.45	-13.00	61.45	Vertical
2	2037.2700	43.35	-47.83	26.01	-73.73	-13.00	60.73	Vertical
3	2716.3600	42.70	-47.03	27.73	-71.86	-13.00	58.86	Vertical
4	3395.4500	40.92	-46.55	28.54	-72.35	-13.00	59.35	Vertical
5	4074.5400	40.38	-45.98	29.28	-71.58	-13.00	58.58	Vertical
6	4753.6300	40.15	-45.71	30.86	-69.97	-13.00	56.97	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.100000	-0.001616	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.600000	-0.003821	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.500000	-0.003674	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-5.000000	-0.007348	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.400000	-0.004996	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-3.300000	-0.004849	PASS

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.400000	-0.006466	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-2.100000	-0.003086	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.300000	-0.001910	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.200000	-0.004702	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.500000	-0.002204	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.300000	-0.003380	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.100000	-0.010434	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.900000	-0.007201	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-2.900000	-0.004262	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-2.900000	-0.004262	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-2.800000	-0.004115	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-5.200000	-0.007641	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-7.100000	-0.010434	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-6.800000	-0.009993	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-6.000000	-0.008817	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.500000	-0.005143	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-3.900000	-0.005731	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-5.800000	-0.008523	PASS

---End of Attachment---