



Report No.: SEWM2311000466RG02

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Appendix B.22

NR Band n30



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm/5MHz)	EIRP (dBm/5MHz)	Limit	Verdict
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	22.06	19.26	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	21.58	18.78	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	22.01	19.21	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	21.54	18.74	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	22.04	19.24	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	21.48	18.68	23.98	PASS
N30	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.33	19.53	23.98	PASS
N30	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.17	19.37	23.98	PASS
N30	30	10	DFT-PI2BPSK	L	Outer_Full	21.82	19.02	23.98	PASS
N30	30	10	DFT-QPSK	L	Inner_1RB_Left	22.36	19.56	23.98	PASS
N30	30	10	DFT-QPSK	L	Inner_1RB_Right	22.11	19.31	23.98	PASS
N30	30	10	DFT-QPSK	L	Outer_Full	21.81	19.01	23.98	PASS
N30	30	10	DFT-16QAM	L	Inner_1RB_Left	22.41	19.61	23.98	PASS
N30	30	10	DFT-16QAM	L	Inner_1RB_Right	22.21	19.41	23.98	PASS
N30	30	10	DFT-16QAM	L	Outer_Full	21.42	18.62	23.98	PASS
N30	30	10	DFT-64QAM	L	Inner_1RB_Left	21.75	18.95	23.98	PASS
N30	30	10	DFT-64QAM	L	Inner_1RB_Right	21.59	18.79	23.98	PASS
N30	30	10	DFT-64QAM	L	Outer_Full	20.43	17.63	23.98	PASS
N30	30	10	DFT-256QAM	L	Inner_1RB_Left	19.93	17.13	23.98	PASS
N30	30	10	DFT-256QAM	L	Inner_1RB_Right	19.69	16.89	23.98	PASS
N30	30	10	DFT-256QAM	L	Outer_Full	20.05	17.25	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.21	19.41	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.05	19.25	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	21.78	18.98	23.98	PASS
N30	30	10	DFT-QPSK	M	Inner_1RB_Left	22.20	19.40	23.98	PASS
N30	30	10	DFT-QPSK	M	Inner_1RB_Right	22.03	19.23	23.98	PASS
N30	30	10	DFT-QPSK	M	Outer_Full	21.38	18.58	23.98	PASS
N30	30	10	DFT-16QAM	M	Inner_1RB_Left	21.66	18.86	23.98	PASS
N30	30	10	DFT-16QAM	M	Inner_1RB_Right	21.59	18.79	23.98	PASS
N30	30	10	DFT-16QAM	M	Outer_Full	20.37	17.57	23.98	PASS



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N30	30	10	DFT-64QAM	M	Inner_1RB_Left	19.83	17.03	23.98	PASS
N30	30	10	DFT-64QAM	M	Inner_1RB_Right	19.65	16.85	23.98	PASS
N30	30	10	DFT-64QAM	M	Outer_Full	19.98	17.18	23.98	PASS
N30	30	10	DFT-256QAM	M	Inner_1RB_Left	17.90	15.10	23.98	PASS
N30	30	10	DFT-256QAM	M	Inner_1RB_Right	17.75	14.95	23.98	PASS
N30	30	10	DFT-256QAM	M	Outer_Full	17.94	15.14	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.27	19.47	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.22	19.42	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Outer_Full	21.85	19.05	23.98	PASS
N30	30	10	DFT-QPSK	H	Inner_1RB_Left	22.35	19.55	23.98	PASS
N30	30	10	DFT-QPSK	H	Inner_1RB_Right	22.20	19.40	23.98	PASS
N30	30	10	DFT-QPSK	H	Outer_Full	21.52	18.72	23.98	PASS
N30	30	10	DFT-16QAM	H	Inner_1RB_Left	21.76	18.96	23.98	PASS
N30	30	10	DFT-16QAM	H	Inner_1RB_Right	21.79	18.99	23.98	PASS
N30	30	10	DFT-16QAM	H	Outer_Full	20.58	17.78	23.98	PASS
N30	30	10	DFT-64QAM	H	Inner_1RB_Left	19.96	17.16	23.98	PASS
N30	30	10	DFT-64QAM	H	Inner_1RB_Right	19.66	16.86	23.98	PASS
N30	30	10	DFT-64QAM	H	Outer_Full	20.02	17.22	23.98	PASS
N30	30	10	DFT-256QAM	H	Inner_1RB_Left	18.02	15.22	23.98	PASS
N30	30	10	DFT-256QAM	H	Inner_1RB_Right	18.12	15.32	23.98	PASS
N30	30	10	DFT-256QAM	H	Outer_Full	17.86	15.06	23.98	PASS



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Power Spectral Density

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	EIRP	Limit	Verdict
N30	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	21.82	19.02	23.98	PASS
N30	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	21.84	19.04	23.98	PASS
N30	30	10	DFT-PI2BPSK	L	Outer_Full	19.14	16.34	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	21.84	19.04	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	21.88	19.08	23.98	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	19.17	16.37	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	21.86	19.06	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	21.91	19.11	23.98	PASS
N30	30	10	DFT-PI2BPSK	H	Outer_Full	19.20	16.40	23.98	PASS



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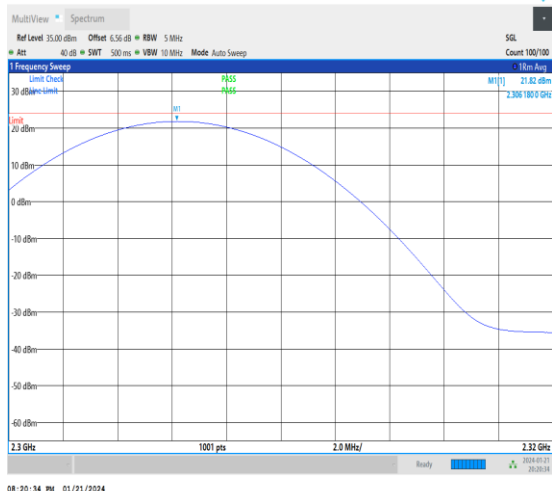
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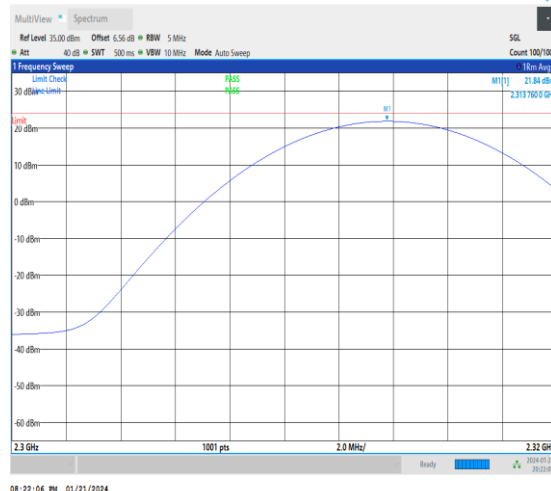
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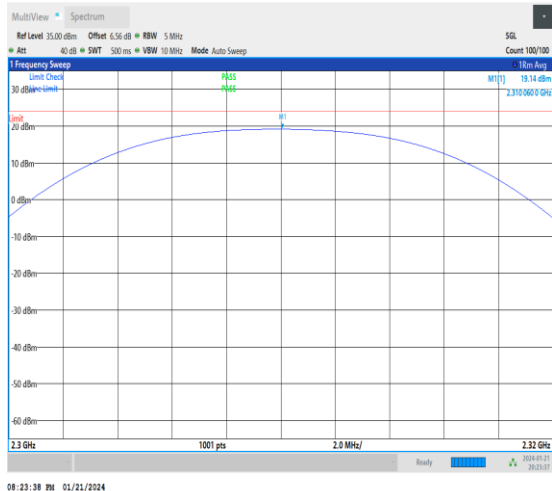
Test Graphs



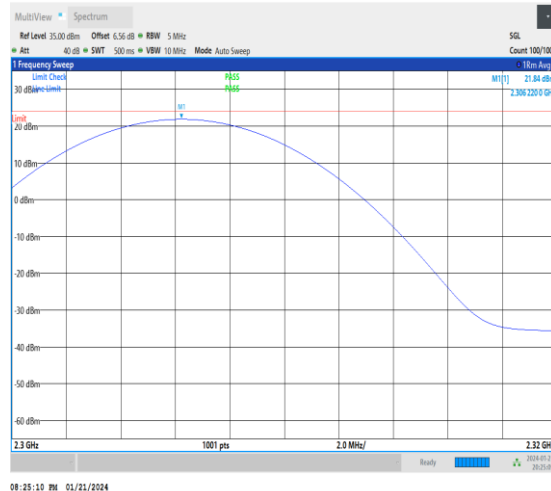
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1-2300-2320-Ant3-2306.18-21.82-23.98-PASS



1-N30-30-10-L-2-DFT-PI2BPSK-Inner_1RB_Right-1
@22-2300-2320-Ant3-2313.76-21.84-23.98-PASS



1-N30-30-10-L-3-DFT-PI2BPSK-Outer_Full-24@0-23
00-2320-Ant3-2310.06-19.14-23.98-PASS



1-N30-30-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-2300-2320-Ant3-2306.22-21.84-23.98-PASS



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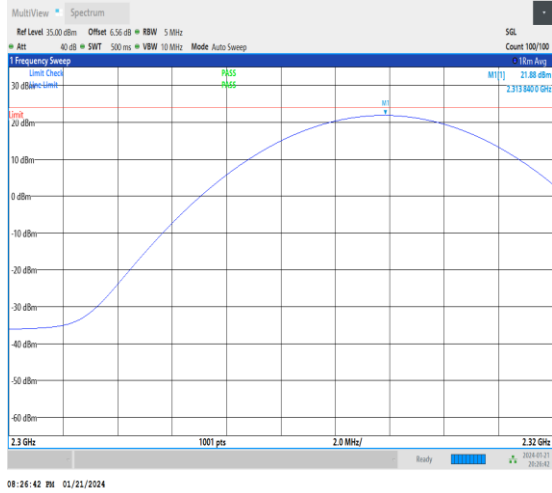
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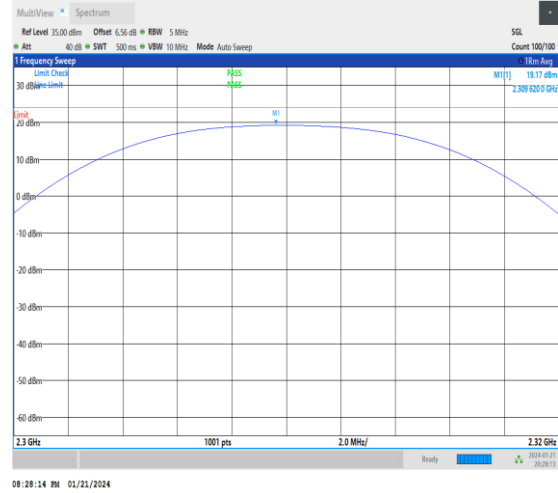
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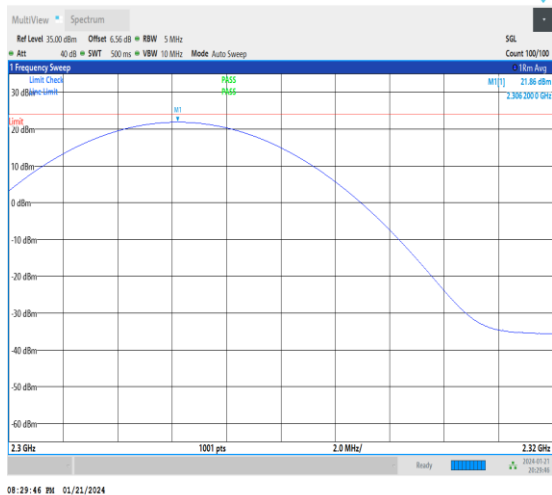
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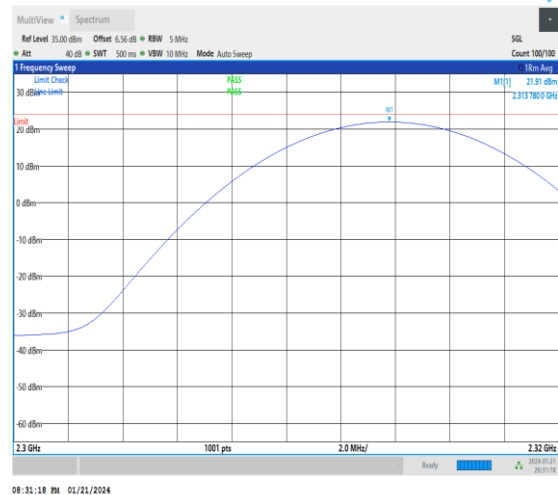
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@22-2300-2320-Ant3-2313.84-21.88-23.98-PASS



1-N30-30-10-M-3-DFT-PI2BPSK-Outer_Full-24@0-2
300-2320-Ant3-2309.62-19.17-23.98-PASS



1-N30-30-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-2300-2320-Ant3-2306.20-21.86-23.98-PASS



1-N30-30-10-H-2-DFT-PI2BPSK-Inner_1RB_Right-1
@22-2300-2320-Ant3-2313.78-21.91-23.98-PASS



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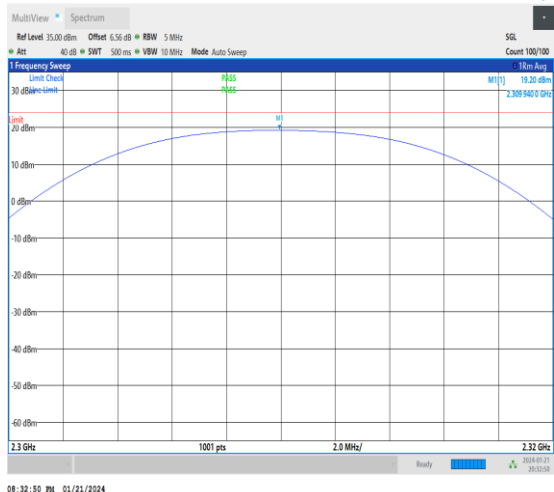
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1-N30-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-2
300-2320-Ant3-2309.94-19.20-23.98-PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N30	30	10	DFT-256QAM	L	Outer_Full	6.86	13	PASS
N30	30	10	CP-256QAM	L	Outer_Full	8.42	13	PASS
N30	30	10	DFT-256QAM	M	Outer_Full	6.86	13	PASS
N30	30	10	CP-256QAM	M	Outer_Full	8.40	13	PASS
N30	30	10	DFT-256QAM	H	Outer_Full	6.76	13	PASS
N30	30	10	CP-256QAM	H	Outer_Full	8.52	13	PASS



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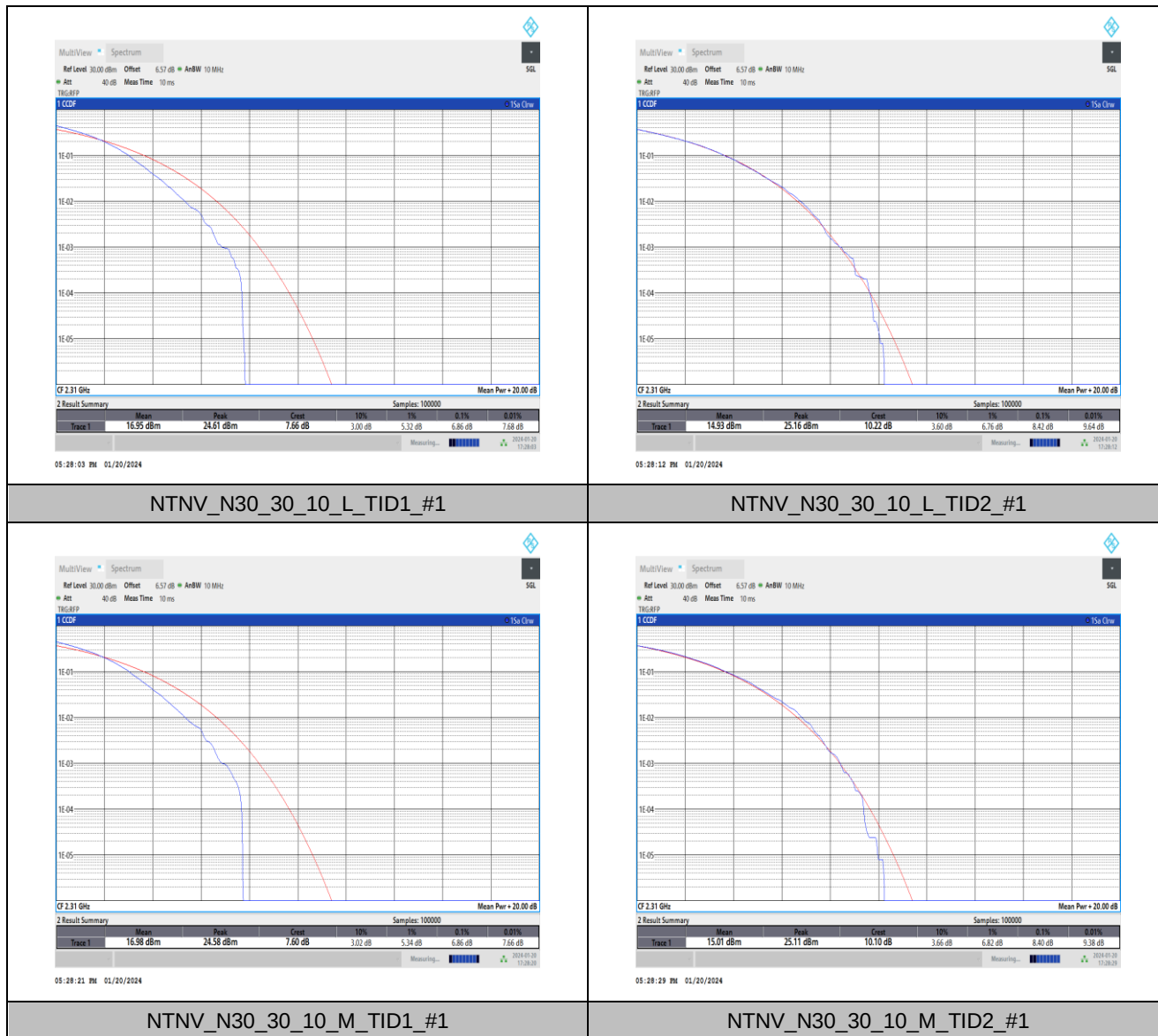
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Test Graphs



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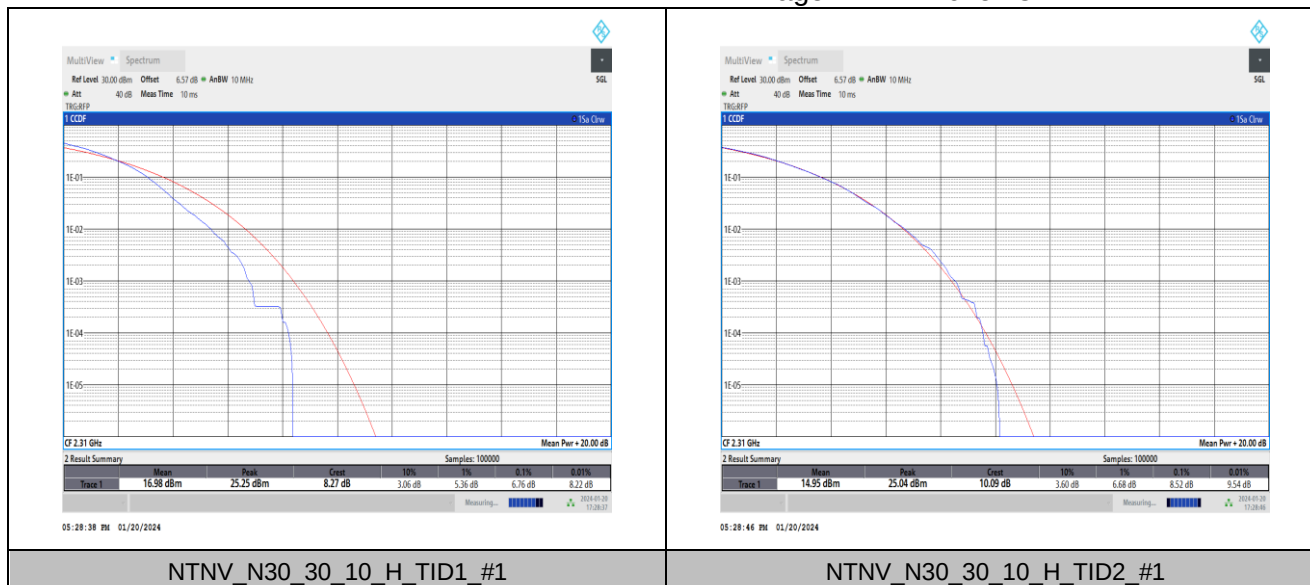
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-QPSK	M	Outer_Full	4.516	4.960	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.5	4.940	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.505	4.950	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	4.511	4.960	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.504	4.940	PASS
N30	15	5	CP-QPSK	M	Outer_Full	4.49	4.950	PASS
N30	15	5	CP-16QAM	M	Outer_Full	4.506	4.930	PASS
N30	15	5	CP-64QAM	M	Outer_Full	4.507	5.400	PASS
N30	15	5	CP-256QAM	M	Outer_Full	4.49	4.950	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.921	9.440	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	8.946	9.460	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.909	9.320	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	8.937	9.440	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.924	9.420	PASS
N30	15	10	CP-QPSK	M	Outer_Full	9.292	9.840	PASS
N30	15	10	CP-16QAM	M	Outer_Full	9.305	9.860	PASS
N30	15	10	CP-64QAM	M	Outer_Full	9.296	9.820	PASS
N30	15	10	CP-256QAM	M	Outer_Full	9.275	9.800	PASS



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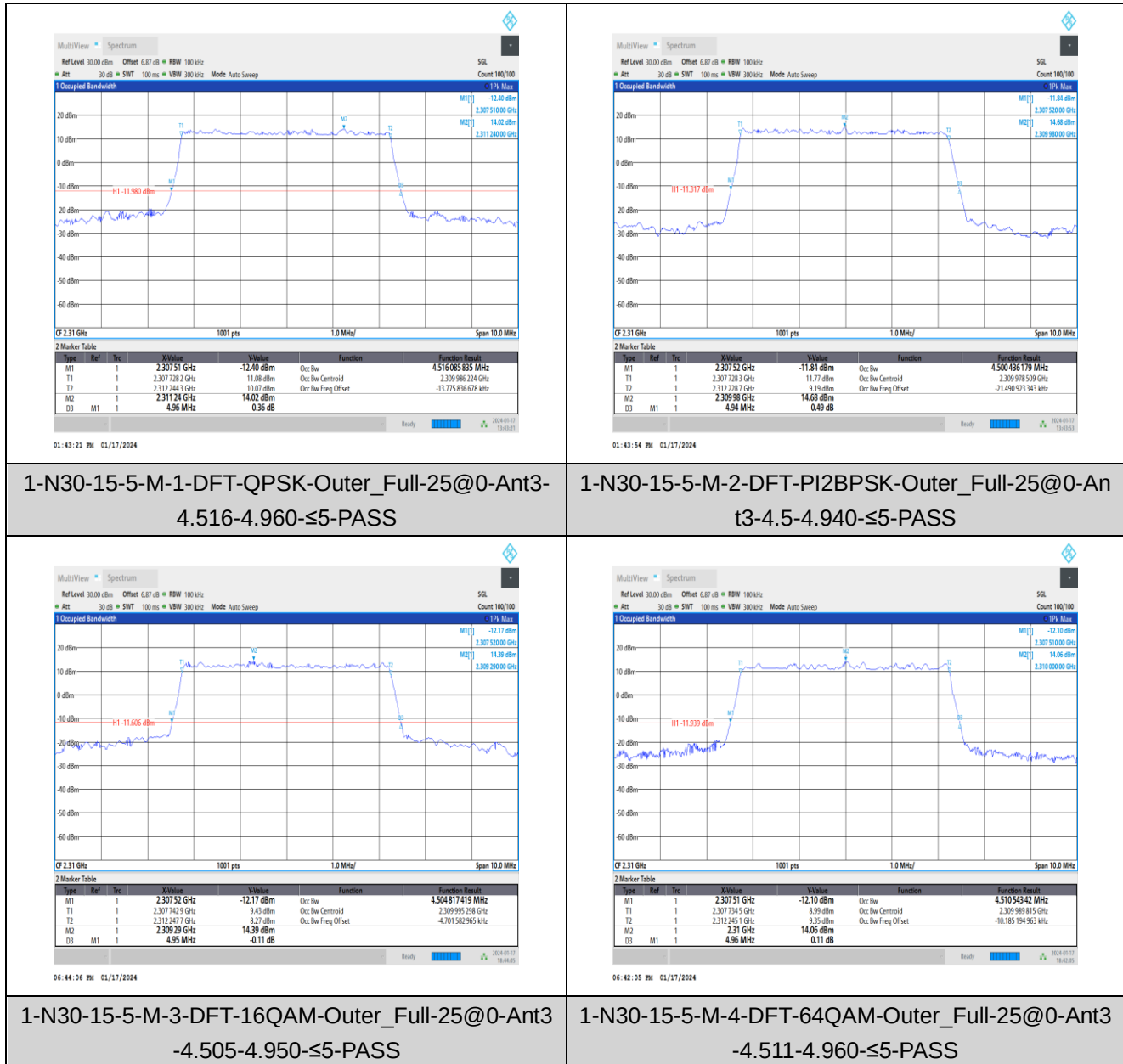
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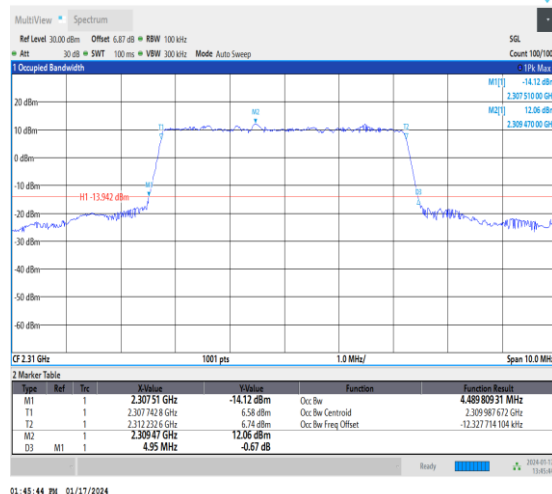
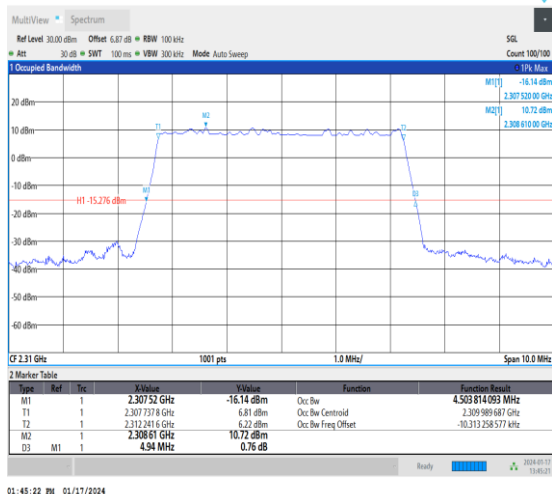
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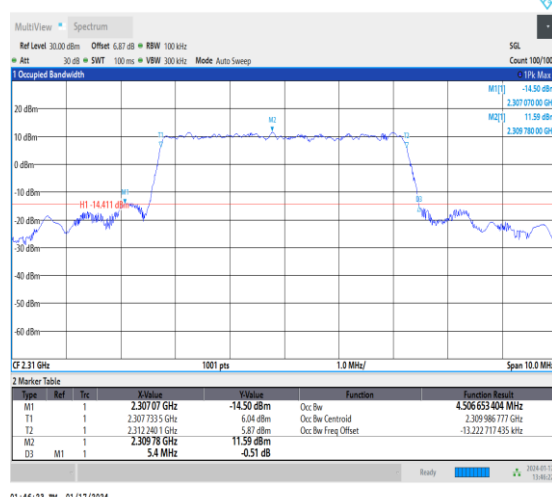
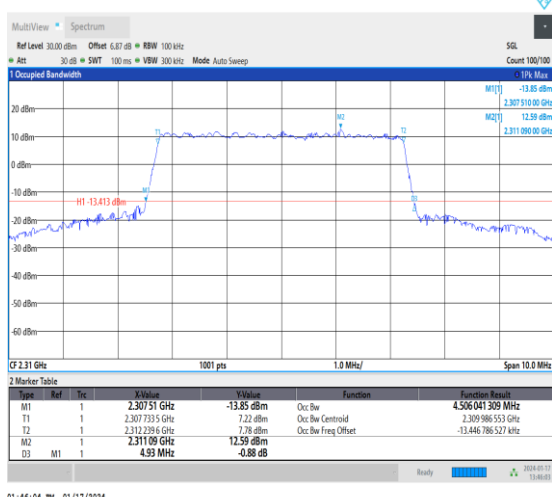
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1-N30-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
3-4.504-4.940-≤5-PASS

1-N30-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant3-4
.49-4.950-≤5-PASS



1-N30-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant3-
4.506-4.930-≤5-PASS

1-N30-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant3-
4.507-5.400-≤5-PASS



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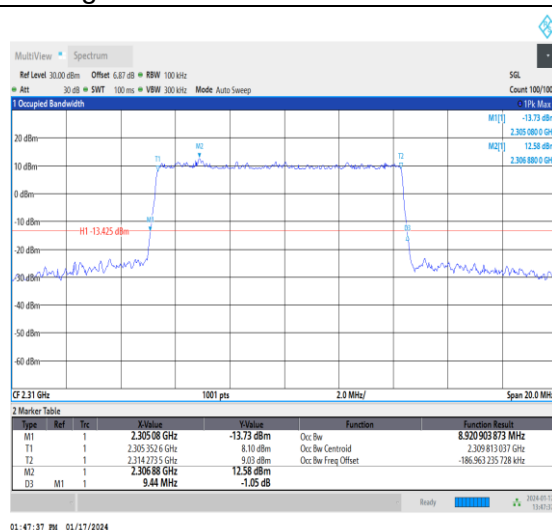
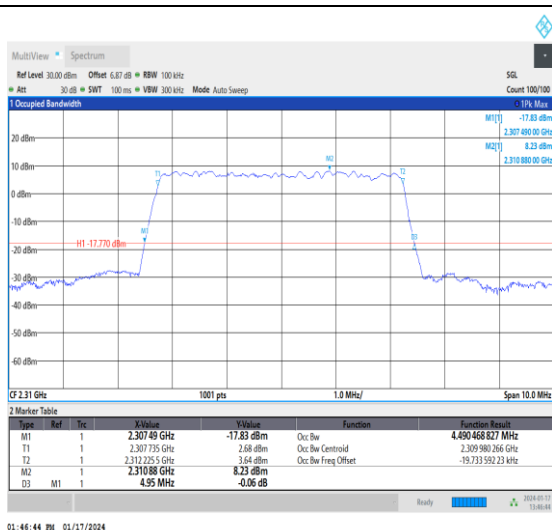
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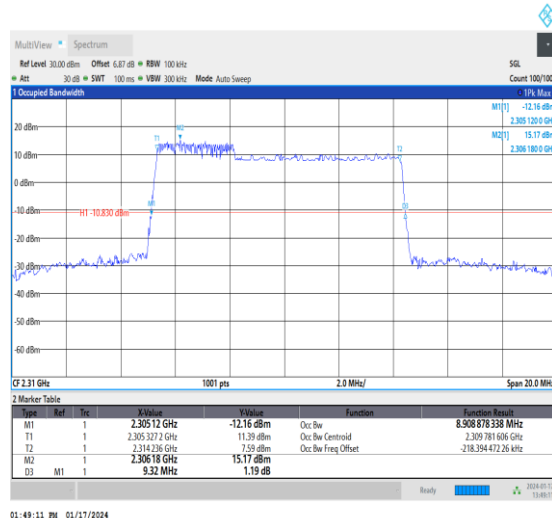
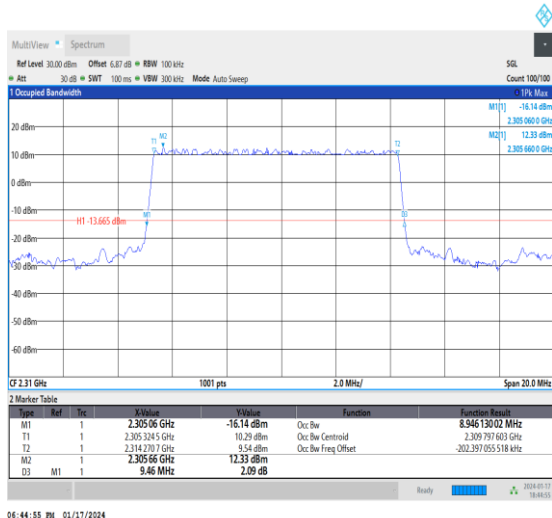
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1-N30-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant3
-4.49-4.950≤5-PASS

1-N30-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant3
-8.921-9.440≤10-PASS



1-N30-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant3
-8.946-9.460≤10-PASS

1-N30-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant3
3-8.909-9.320≤10-PASS



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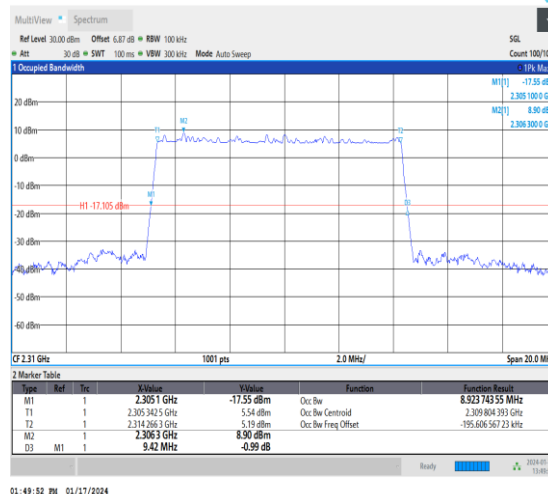
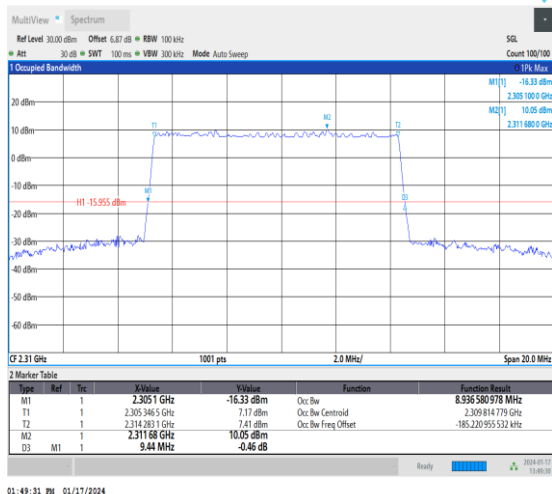
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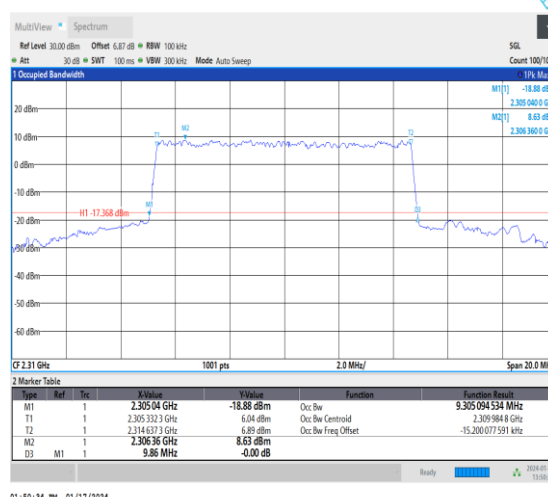
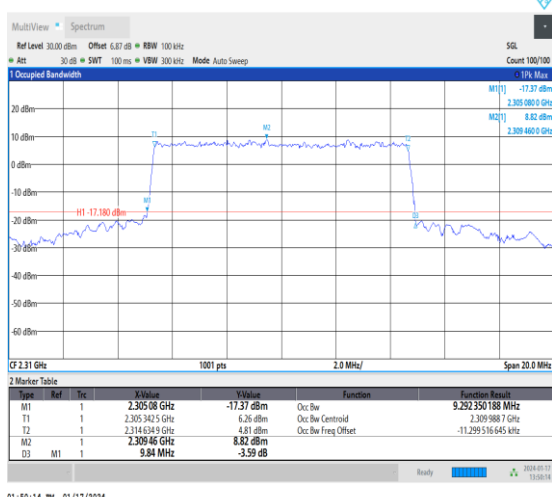
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1-N30-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
3-8.937-9.440-≤10-PASS

1-N30-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt3-8.924-9.420-≤10-PASS



1-N30-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant3
9.292-9.840-≤10-PASS

1-N30-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant
3-9.305-9.860-≤10-PASS



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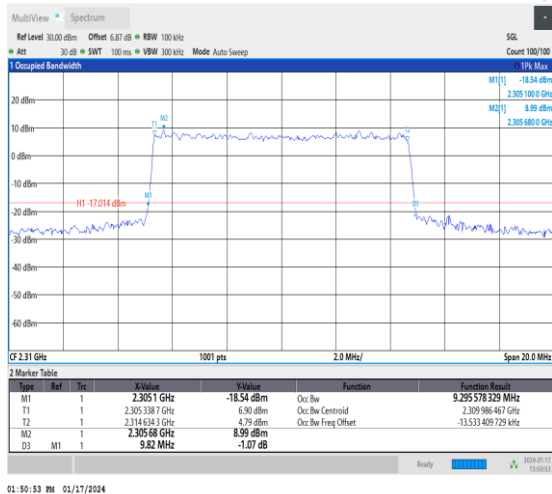
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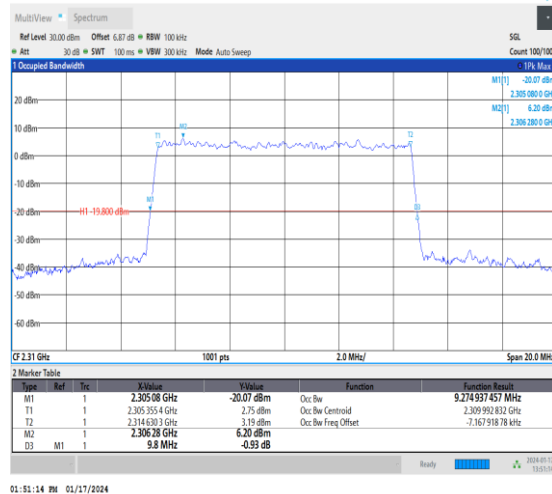
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1-N30-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant3
-9.296-9.820-≤10-PASS



1-N30-15-10-M-9-CP-256QAM-Outer_Full-52@0-An
t3-9.275-9.800-≤10-PASS



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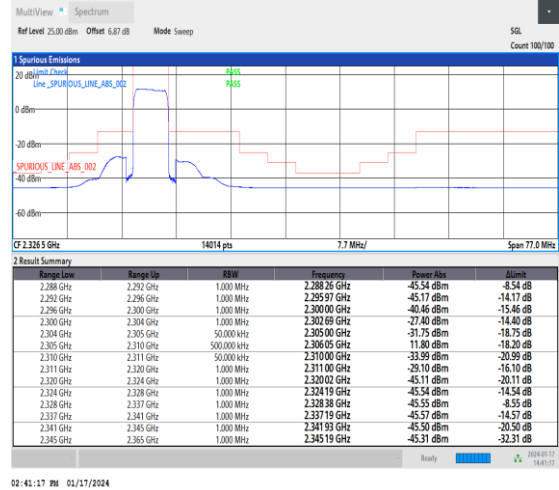
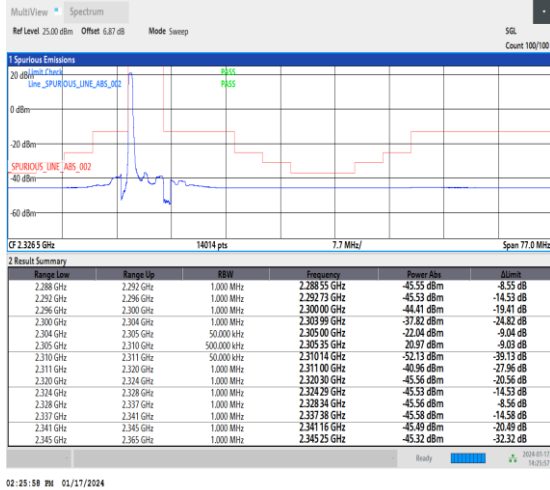
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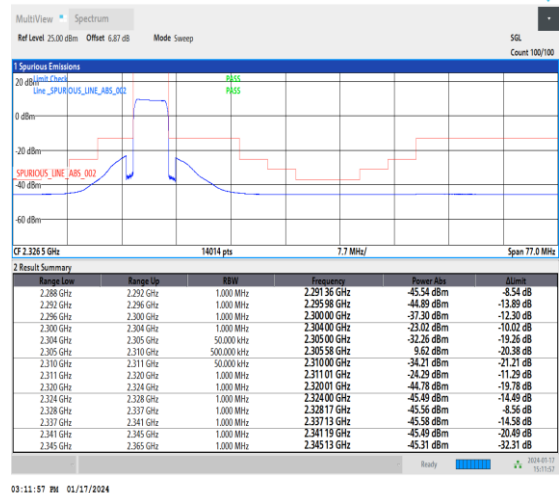
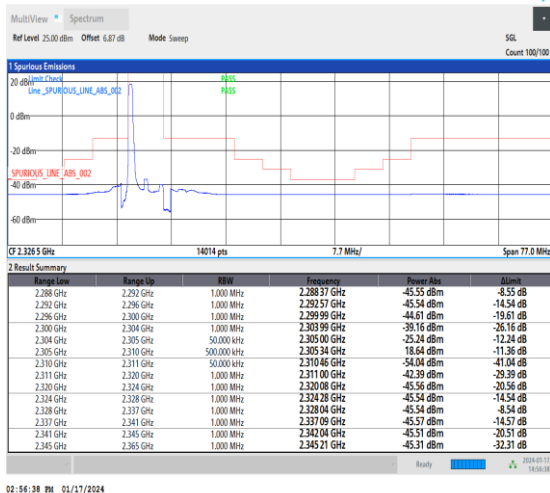
Band Edge for SA

Test Graphs



1-N30-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
nt3-1--PASS-see graph

1-N30-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-A
Ant3-1--PASS-see graph



1-N30-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-A nt3-1--PASS-see graph

1-N30-15-5-L-6-CP-QPSK-Outer_Full-25@0-A nt3-1--PASS-see graph



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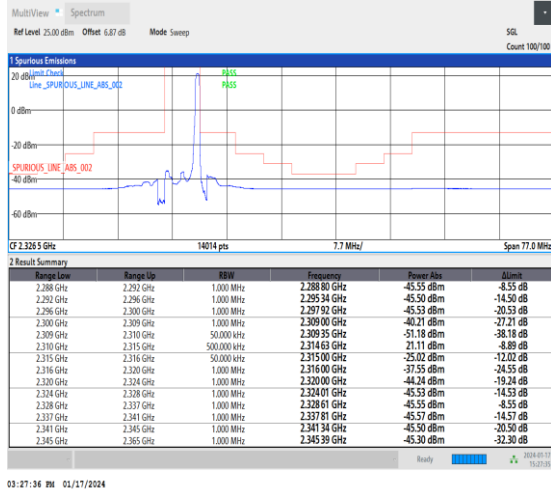
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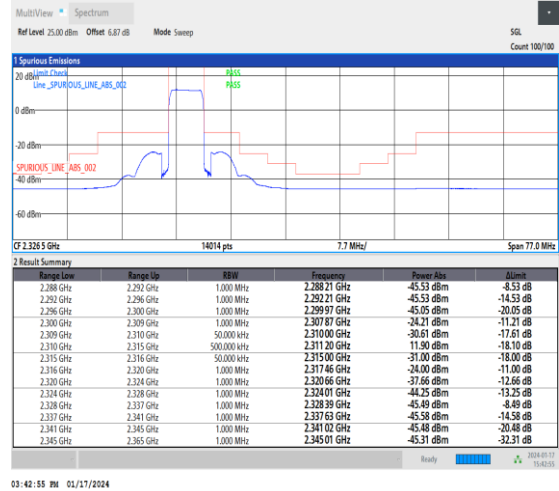
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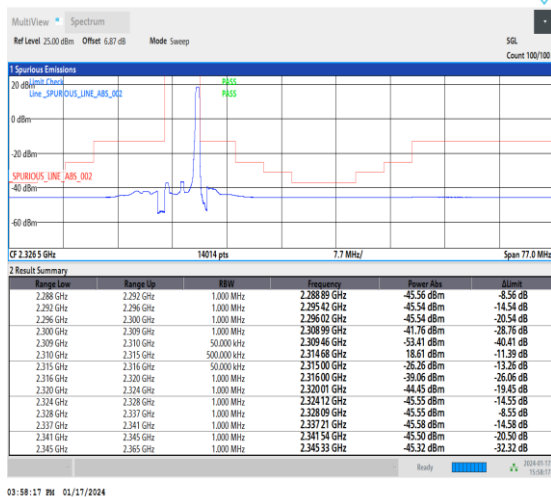
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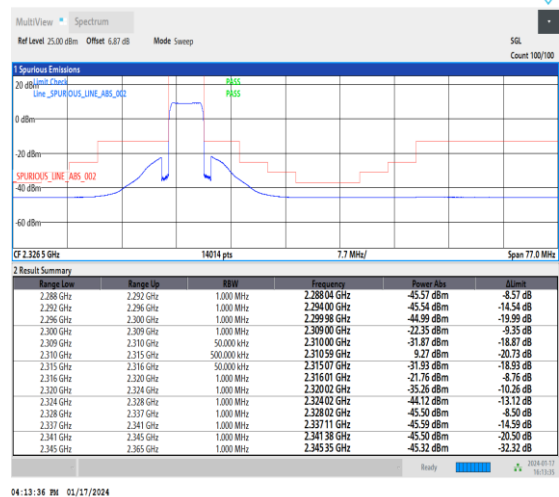
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1-N30-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
4-Ant3-1--PASS-see graph1-N30-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-
Ant3-1--PASS-see graph

03:58:17 PM 01/17/2024



04:13:36 PM 01/17/2024

1-N30-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant3-1--PASS-see graph

1-N30-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant3-1--PASS-see graph



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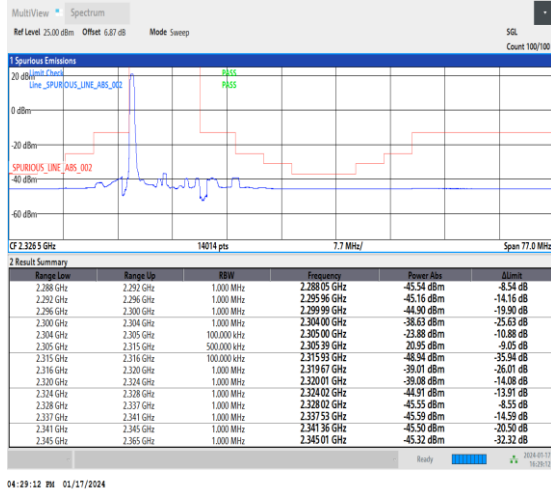
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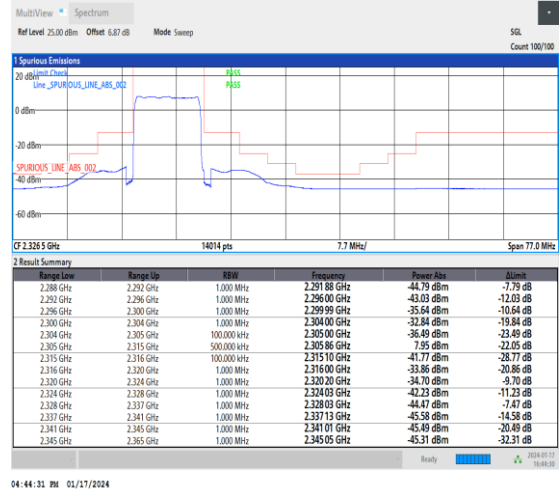
Report No.: SEWM2311000466RG02

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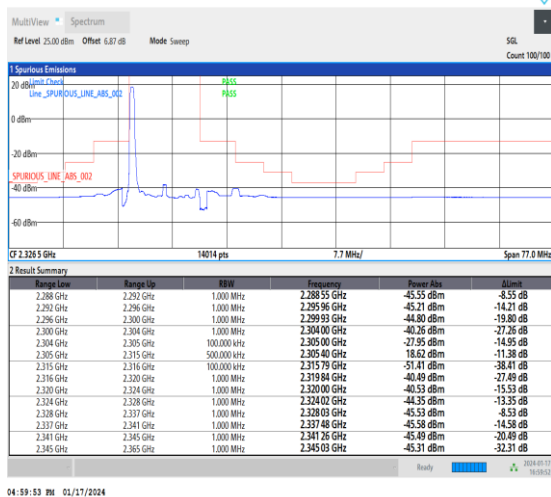
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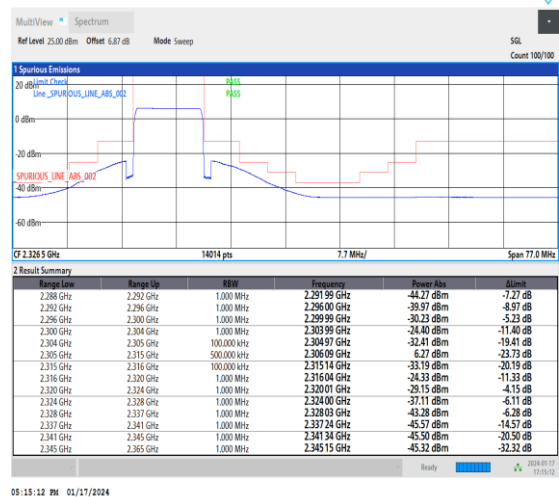
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1-N30-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1--PASS-see graph



04:59:53 PM 01/17/2024



05:15:12 PM 01/17/2024

1-N30-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

1-N30-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant3-1--PASS-see graph



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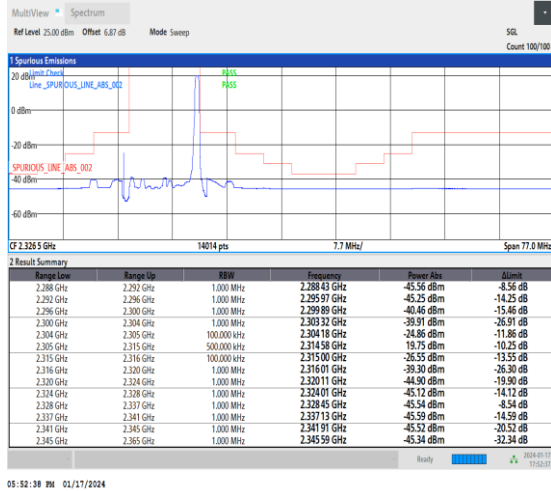
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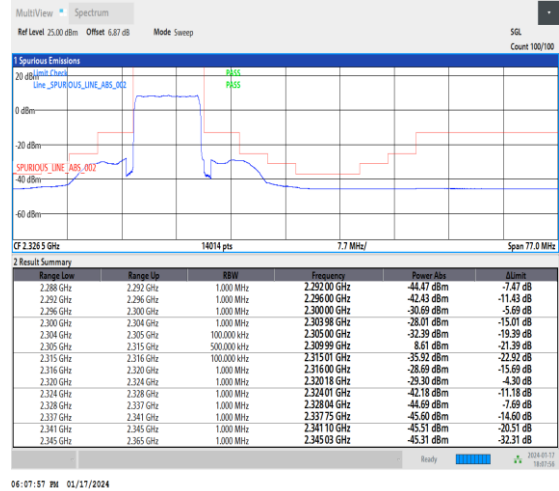
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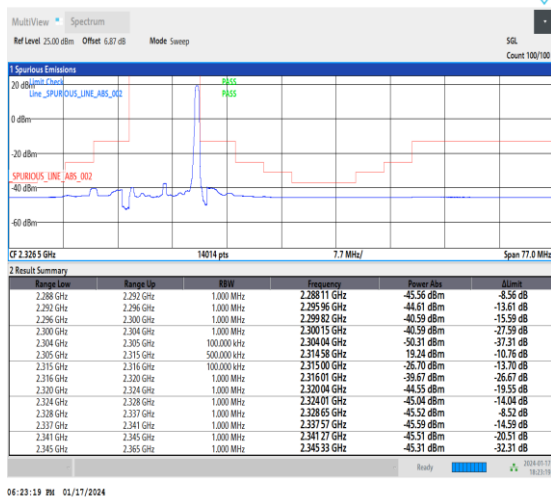
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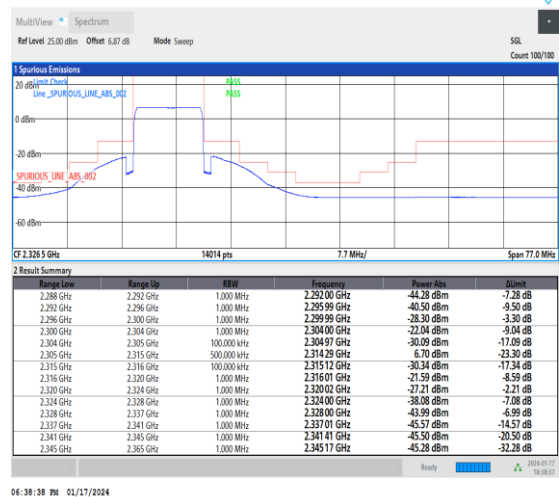
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1-N30-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant3-1--PASS-see graph

1-N30-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1--PASS-see graph



06:23:19 PM 01/17/2024



06:38:38 PM 01/17/2024

1-N30-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant3-1--PASS-see graph

1-N30-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant3-1--PASS-see graph



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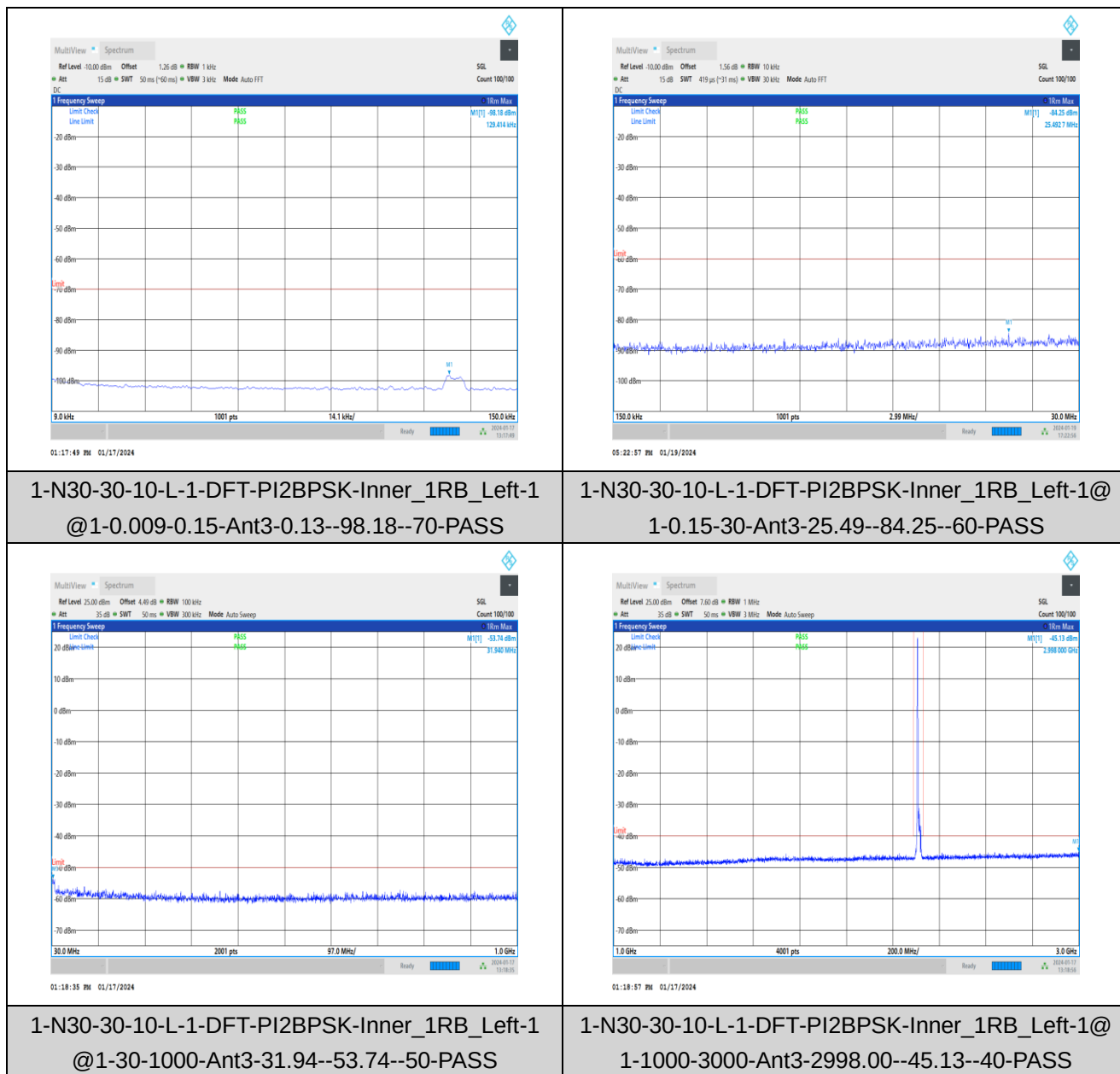
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Conducted Spurious Emission for SA

Test Graphs



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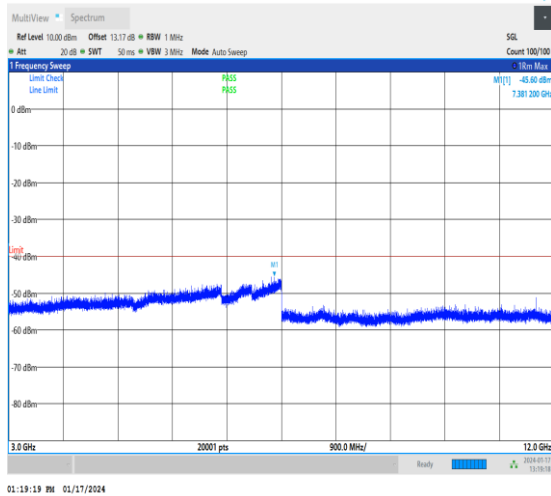
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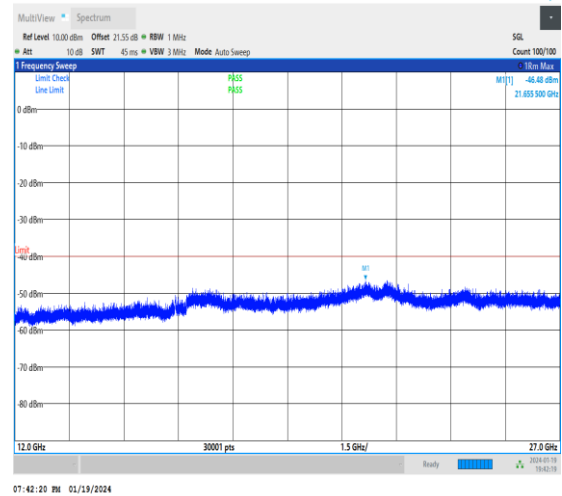
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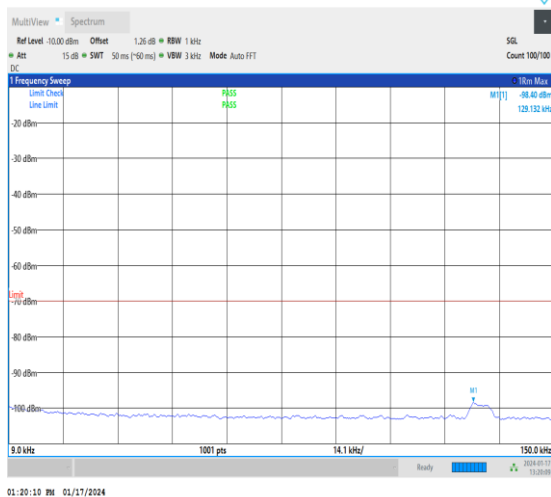
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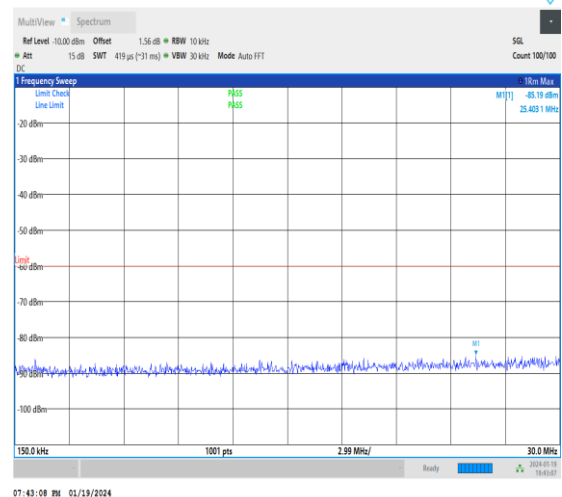
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1-N30-30-10-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant3-21655.50--46.48--40-PASS



1-N30-30-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@ 1-0.009-0.15-Ant3-0.13--98.40--70-PASS



1-N30-30-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant3-25.43--85.19--60-PASS



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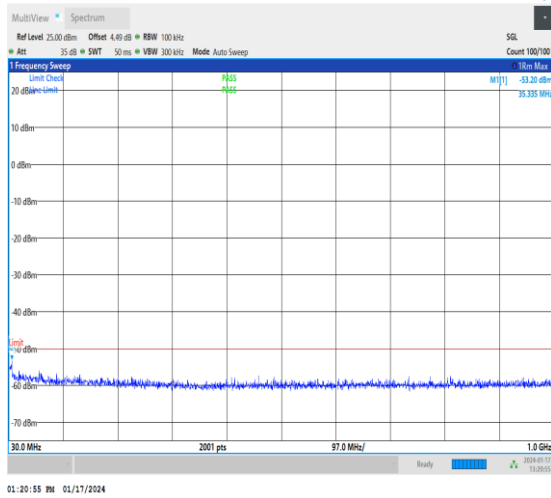
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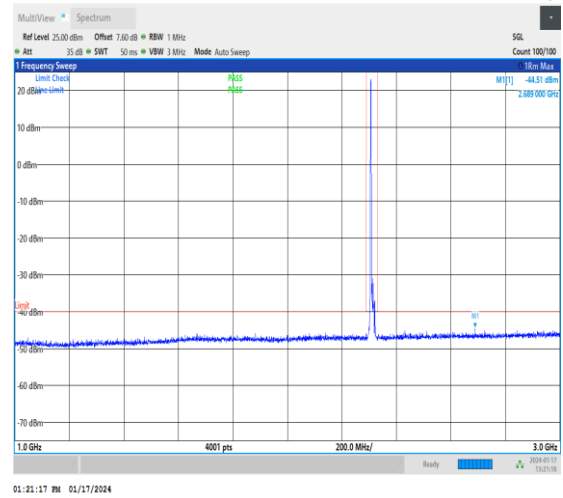
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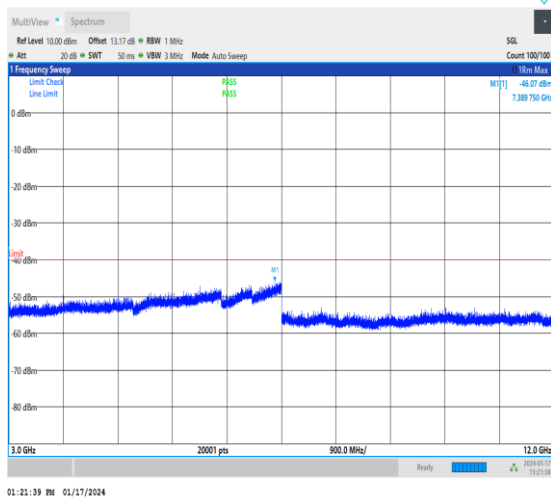
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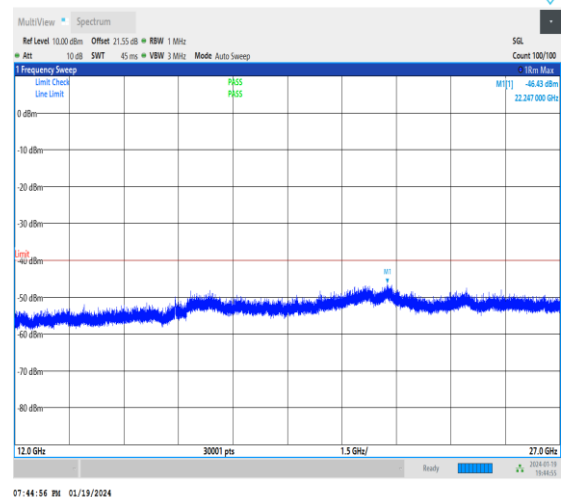
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1-1000-3000-Ant3-2689.00--44.51--40-PASS



1-N30-30-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@ 1-3000-12000-Ant3-7389.75--46.07--40-PASS



1-N30-30-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant3-22247.00--46.43--40-PASS



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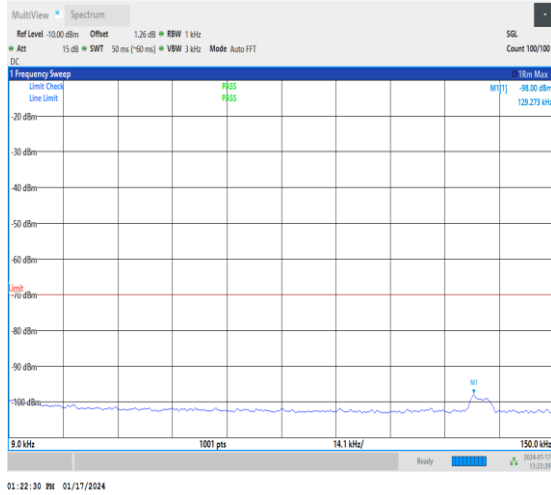
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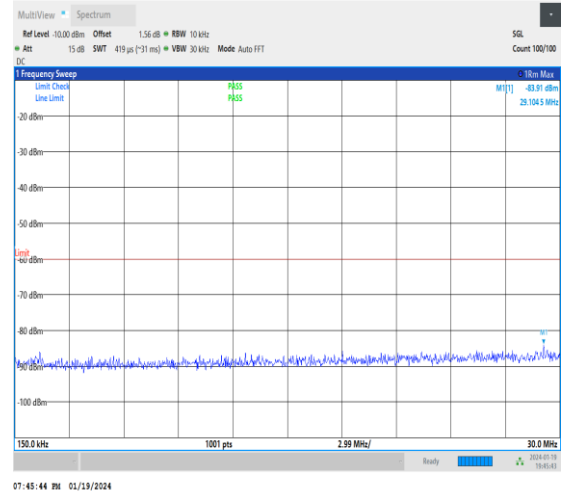
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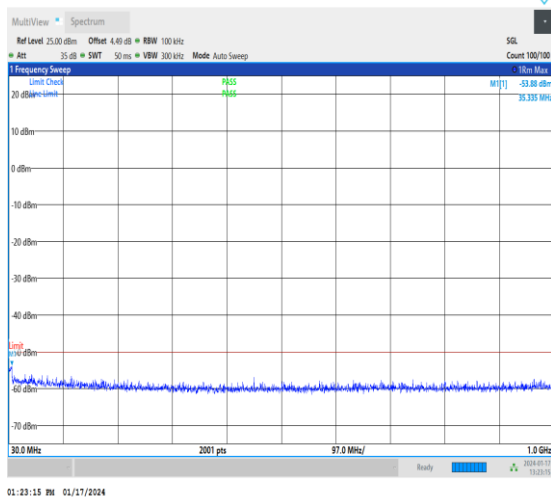
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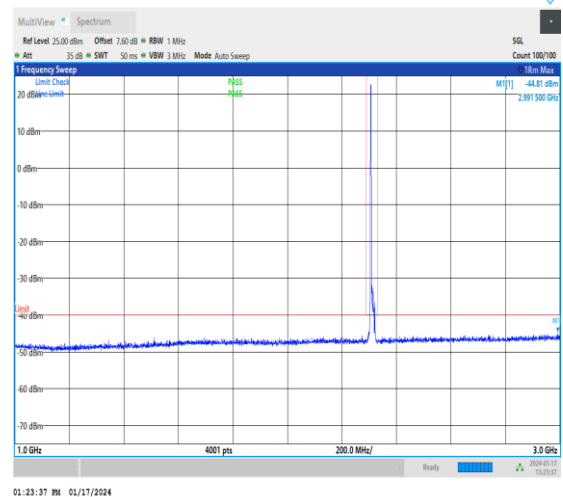
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1-N30-30-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant3-29.10--83.91--60-PASS



1-N30-30-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-30-1000-Ant3-35.34--53.88--50-PASS



1-N30-30-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-1000-3000-Ant3-2991.50--44.81--40-PASS



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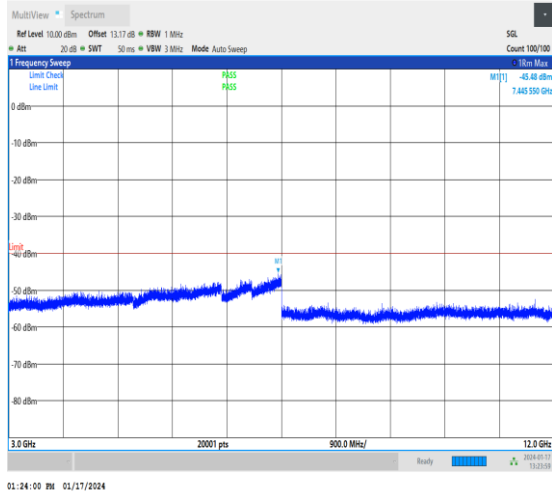
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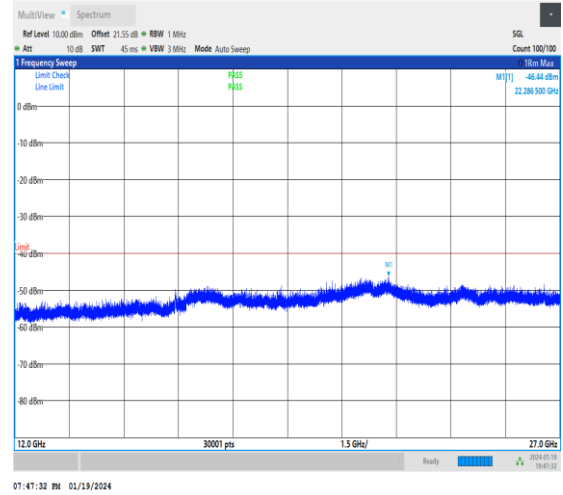
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1-N30-30-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant3-22286.50--46.44--40-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band30_10M_ 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	4287	42.60	-45.57	29.79	-68.44	-40.00	28.44	Horizontal
2	6916	55.62	-44.01	35.05	-48.60	-40.00	8.60	Horizontal
3	7859.5	39.15	-42.61	36.74	-61.98	-40.00	21.98	Horizontal
4	9653	34.91	-39.55	37.54	-62.36	-40.00	22.36	Horizontal
5	12095.5	27.76	-37.35	38.83	-66.02	-40.00	26.02	Horizontal
6	14432	26.71	-34.81	41.07	-62.29	-40.00	22.29	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4412.5	42.37	-45.81	30.09	-68.61	-40.00	28.61	Vertical
2	5872	41.53	-44.91	32.67	-65.96	-40.00	25.96	Vertical
3	6916	54.49	-44.01	35.05	-49.73	-40.00	9.73	Vertical
4	9221.5	39.04	-40.24	36.72	-59.74	-40.00	19.74	Vertical
5	11227.5	30.02	-37.40	38.72	-63.92	-40.00	23.92	Vertical
6	14448.5	25.96	-34.82	41.08	-63.04	-40.00	23.04	Vertical



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Test Band = SA Band30_5M_ 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	4744	41.78	-45.57	30.84	-68.22	-40.00	28.22	Horizontal
2	5566.5	41.71	-45.13	32.61	-66.06	-40.00	26.06	Horizontal
3	6916	54.08	-44.01	35.05	-50.14	-40.00	10.14	Horizontal
4	8760	36.81	-41.43	36.42	-63.46	-40.00	23.46	Horizontal
5	10660	31.09	-38.12	38.53	-63.76	-40.00	23.76	Horizontal
6	12218.5	28.09	-37.48	38.87	-65.78	-40.00	25.78	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4478.5	42.37	-45.73	30.25	-68.38	-40.00	28.38	Vertical
2	5551.5	41.92	-45.15	32.61	-65.88	-40.00	25.88	Vertical
3	6609.5	41.20	-44.30	34.50	-63.86	-40.00	23.86	Vertical
4	6916	53.32	-44.01	35.05	-50.90	-40.00	10.90	Vertical
5	9221.5	38.80	-40.24	36.72	-59.98	-40.00	19.98	Vertical
6	10708.5	30.34	-37.94	38.55	-64.31	-40.00	24.31	Vertical



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Test Band = SA Band30_5M_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	4615.5	49.45	-45.66	30.55	-60.92	-40.00	20.92	Horizontal
2	4918	43.07	-45.55	31.22	-66.52	-40.00	26.52	Horizontal
3	6923.5	60.27	-43.97	35.06	-43.90	-40.00	3.90	Horizontal
4	8502.5	37.50	-41.61	36.55	-62.82	-40.00	22.82	Horizontal
5	10597	31.23	-38.48	38.50	-64.01	-40.00	24.01	Horizontal
6	12294	28.30	-37.41	38.89	-65.49	-40.00	25.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4981	42.50	-45.62	31.36	-67.02	-40.00	27.02	Vertical
2	5895.5	41.88	-44.96	32.68	-65.66	-40.00	25.66	Vertical
3	6923.5	59.69	-43.97	35.06	-44.48	-40.00	4.48	Vertical
4	9492.5	35.15	-40.20	37.24	-63.07	-40.00	23.07	Vertical
5	12179.5	27.85	-37.46	38.85	-66.02	-40.00	26.02	Vertical
6	13380	26.90	-36.42	39.78	-65.00	-40.00	25.00	Vertical



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Test Band = SA Band30_5M_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	4620.5	48.56	-45.66	30.57	-61.79	-40.00	21.79	Horizontal
2	6931	61.67	-43.93	35.08	-42.44	-40.00	2.44	Horizontal
3	8965.5	36.52	-41.08	36.32	-63.51	-40.00	23.51	Horizontal
4	10638.5	30.39	-38.24	38.52	-64.59	-40.00	24.59	Horizontal
5	12721	27.63	-36.71	39.02	-65.33	-40.00	25.33	Horizontal
6	15344	26.80	-34.01	40.58	-61.89	-40.00	21.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.5	45.52	-45.66	30.57	-64.83	-40.00	24.83	Vertical
2	6931	57.15	-43.93	35.08	-46.96	-40.00	6.96	Vertical
3	7660.5	39.62	-43.04	36.66	-62.02	-40.00	22.02	Vertical
4	9241	37.00	-40.24	36.76	-61.74	-40.00	21.74	Vertical
5	11503.5	28.70	-37.30	38.75	-65.11	-40.00	25.11	Vertical
6	14625.5	26.19	-35.13	41.15	-63.05	-40.00	23.05	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.100000	-0.001775	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.900000	-0.000823	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.000000	-0.000866	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VH	NT	-2.800000	-0.001212	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VN	NT	-2.000000	-0.000866	PASS
N30	15	10	CP-QPSK	M	Outer_Full	VL	NT	-5.400000	-0.002338	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	0.300000	0.000130	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.000000	-0.000433	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.000000	0.000000	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	1.100000	0.000476	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	2.200000	0.000952	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	0.700000	0.000303	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	0.000000	0.000000	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.700000	-0.000303	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	0.300000	0.000130	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-30	-5.000000	-0.002165	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-20	-3.900000	-0.001688	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	-10	-5.600000	-0.002424	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	0	-7.400000	-0.003203	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	10	-5.500000	-0.002381	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	20	0.600000	0.000260	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	30	-3.700000	-0.001602	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	40	-5.200000	-0.002251	PASS
N30	15	10	CP-QPSK	M	Outer_Full	NV	50	-4.700000	-0.002035	PASS

---End of Attachment---



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