



Report No.: SUCR240100001702

Rev.: 01

Page: 1 of 28

Appendix B.24

NR Band n13



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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 (dBm)	Verdict
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.27	22.32	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.47	22.52	34.77	PASS
N13	15	5	DFT-PI2BPSK	L	Outer_Full	24.16	22.21	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Left	23.40	21.45	34.77	PASS
N13	15	5	DFT-QPSK	L	Inner_1RB_Right	24.23	22.28	34.77	PASS
N13	15	5	DFT-QPSK	L	Outer_Full	23.08	21.13	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Left	22.43	20.48	34.77	PASS
N13	15	5	DFT-16QAM	L	Inner_1RB_Right	23.30	21.35	34.77	PASS
N13	15	5	DFT-16QAM	L	Outer_Full	22.12	20.17	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Left	21.10	19.15	34.77	PASS
N13	15	5	DFT-64QAM	L	Inner_1RB_Right	21.99	20.04	34.77	PASS
N13	15	5	DFT-64QAM	L	Outer_Full	21.61	19.66	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Left	19.01	17.06	34.77	PASS
N13	15	5	DFT-256QAM	L	Inner_1RB_Right	19.61	17.66	34.77	PASS
N13	15	5	DFT-256QAM	L	Outer_Full	19.86	17.91	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.40	22.45	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.41	22.46	34.77	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	24.23	22.28	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Left	24.29	22.34	34.77	PASS
N13	15	5	DFT-QPSK	M	Inner_1RB_Right	24.28	22.33	34.77	PASS
N13	15	5	DFT-QPSK	M	Outer_Full	23.51	21.56	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Left	23.40	21.45	34.77	PASS
N13	15	5	DFT-16QAM	M	Inner_1RB_Right	23.70	21.75	34.77	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	22.63	20.68	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Left	22.11	20.16	34.77	PASS
N13	15	5	DFT-64QAM	M	Inner_1RB_Right	22.34	20.39	34.77	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	22.09	20.14	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Left	19.71	17.76	34.77	PASS
N13	15	5	DFT-256QAM	M	Inner_1RB_Right	19.59	17.64	34.77	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	20.13	18.18	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.33	22.38	34.77	PASS



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Report No.: SUCR240100001702

Rev.: 01

Page: 3 of 28

N13	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.33	22.38	34.77	PASS
N13	15	5	DFT-PI2BPSK	H	Outer_Full	24.13	22.18	34.77	PASS
N13	15	5	DFT-QPSK	H	Inner_1RB_Left	24.29	22.34	34.77	PASS
N13	15	5	DFT-QPSK	H	Inner_1RB_Right	24.19	22.24	34.77	PASS
N13	15	5	DFT-QPSK	H	Outer_Full	23.67	21.72	34.77	PASS
N13	15	5	DFT-16QAM	H	Inner_1RB_Left	23.66	21.71	34.77	PASS
N13	15	5	DFT-16QAM	H	Inner_1RB_Right	23.58	21.63	34.77	PASS
N13	15	5	DFT-16QAM	H	Outer_Full	22.71	20.76	34.77	PASS
N13	15	5	DFT-64QAM	H	Inner_1RB_Left	22.29	20.34	34.77	PASS
N13	15	5	DFT-64QAM	H	Inner_1RB_Right	22.24	20.29	34.77	PASS
N13	15	5	DFT-64QAM	H	Outer_Full	22.18	20.23	34.77	PASS
N13	15	5	DFT-256QAM	H	Inner_1RB_Left	19.63	17.68	34.77	PASS
N13	15	5	DFT-256QAM	H	Inner_1RB_Right	19.54	17.59	34.77	PASS
N13	15	5	DFT-256QAM	H	Outer_Full	20.06	18.11	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.52	22.57	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.36	22.41	34.77	PASS
N13	15	10	DFT-PI2BPSK	L	Outer_Full	24.19	22.24	34.77	PASS
N13	15	10	DFT-QPSK	L	Inner_1RB_Left	23.59	21.64	34.77	PASS
N13	15	10	DFT-QPSK	L	Inner_1RB_Right	24.28	22.33	34.77	PASS
N13	15	10	DFT-QPSK	L	Outer_Full	23.43	21.48	34.77	PASS
N13	15	10	DFT-16QAM	L	Inner_1RB_Left	22.59	20.64	34.77	PASS
N13	15	10	DFT-16QAM	L	Inner_1RB_Right	23.49	21.54	34.77	PASS
N13	15	10	DFT-16QAM	L	Outer_Full	22.63	20.68	34.77	PASS
N13	15	10	DFT-64QAM	L	Inner_1RB_Left	21.30	19.35	34.77	PASS
N13	15	10	DFT-64QAM	L	Inner_1RB_Right	22.25	20.3	34.77	PASS
N13	15	10	DFT-64QAM	L	Outer_Full	22.08	20.13	34.77	PASS
N13	15	10	DFT-256QAM	L	Inner_1RB_Left	19.29	17.34	34.77	PASS
N13	15	10	DFT-256QAM	L	Inner_1RB_Right	19.58	17.63	34.77	PASS
N13	15	10	DFT-256QAM	L	Outer_Full	20.15	18.2	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.48	22.53	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.42	22.47	34.77	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	24.13	22.18	34.77	PASS
N13	15	10	DFT-QPSK	M	Inner_1RB_Left	23.56	21.61	34.77	PASS
N13	15	10	DFT-QPSK	M	Inner_1RB_Right	24.29	22.34	34.77	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	23.61	21.66	34.77	PASS
N13	15	10	DFT-16QAM	M	Inner_1RB_Left	22.59	20.64	34.77	PASS
N13	15	10	DFT-16QAM	M	Inner_1RB_Right	23.56	21.61	34.77	PASS



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Report No.: SUCR240100001702

Rev.: 01

Page: 4 of 28

N13	15	10	DFT-16QAM	M	Outer_Full	22.50	20.55	34.77	PASS
N13	15	10	DFT-64QAM	M	Inner_1RB_Left	21.26	19.31	34.77	PASS
N13	15	10	DFT-64QAM	M	Inner_1RB_Right	22.23	20.28	34.77	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	22.03	20.08	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Left	19.28	17.33	34.77	PASS
N13	15	10	DFT-256QAM	M	Inner_1RB_Right	19.59	17.64	34.77	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	20.12	18.17	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.37	22.42	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.39	22.44	34.77	PASS
N13	15	10	DFT-PI2BPSK	H	Outer_Full	24.17	22.22	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Left	23.55	21.6	34.77	PASS
N13	15	10	DFT-QPSK	H	Inner_1RB_Right	24.33	22.38	34.77	PASS
N13	15	10	DFT-QPSK	H	Outer_Full	23.58	21.63	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Left	22.57	20.62	34.77	PASS
N13	15	10	DFT-16QAM	H	Inner_1RB_Right	23.55	21.6	34.77	PASS
N13	15	10	DFT-16QAM	H	Outer_Full	22.48	20.53	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Left	21.26	19.31	34.77	PASS
N13	15	10	DFT-64QAM	H	Inner_1RB_Right	22.22	20.27	34.77	PASS
N13	15	10	DFT-64QAM	H	Outer_Full	22.12	20.17	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Left	19.26	17.31	34.77	PASS
N13	15	10	DFT-256QAM	H	Inner_1RB_Right	19.58	17.63	34.77	PASS
N13	15	10	DFT-256QAM	H	Outer_Full	20.14	18.19	34.77	PASS



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Report No.: SUCR240100001702

Rev.: 01

Page: 5 of 28

Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N13	15	10	DFT-256QAM	M	Outer_Full	6.74	13	PASS
N13	15	10	CP-256QAM	M	Outer_Full	8.60	13	PASS



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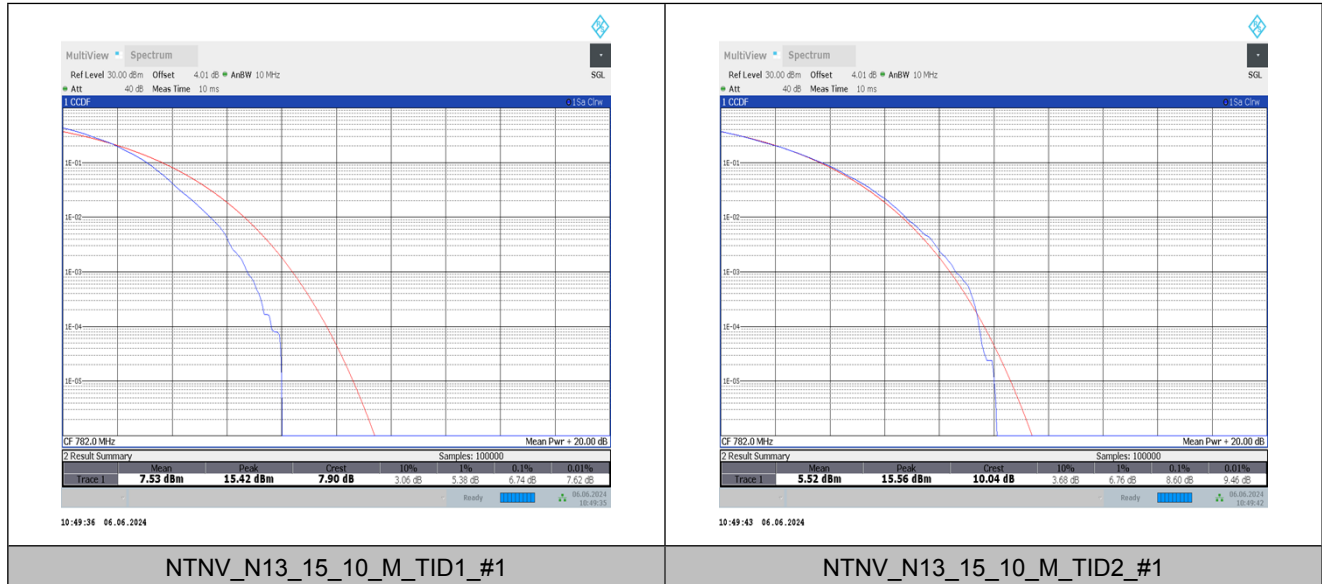
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Report No.: SUCR240100001702

Rev.: 01

Page: 6 of 28

Test Graphs



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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
N13	15	5	DFT-QPSK	M	Outer_Full	4.487	4.900	PASS
N13	15	5	DFT-PI2BPSK	M	Outer_Full	4.482	4.970	PASS
N13	15	5	DFT-16QAM	M	Outer_Full	4.497	4.920	PASS
N13	15	5	DFT-64QAM	M	Outer_Full	4.453	5.000	PASS
N13	15	5	DFT-256QAM	M	Outer_Full	4.515	5.130	PASS
N13	15	5	CP-QPSK	M	Outer_Full	4.491	5.070	PASS
N13	15	5	CP-16QAM	M	Outer_Full	4.544	5.280	PASS
N13	15	5	CP-64QAM	M	Outer_Full	4.483	5.120	PASS
N13	15	5	CP-256QAM	M	Outer_Full	4.489	5.180	PASS
N13	15	10	DFT-QPSK	M	Outer_Full	8.928	9.580	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	8.911	9.680	PASS
N13	15	10	DFT-16QAM	M	Outer_Full	8.956	9.680	PASS
N13	15	10	DFT-64QAM	M	Outer_Full	8.93	9.620	PASS
N13	15	10	DFT-256QAM	M	Outer_Full	8.889	9.500	PASS
N13	15	10	CP-QPSK	M	Outer_Full	9.283	9.940	PASS
N13	15	10	CP-16QAM	M	Outer_Full	9.265	10.080	PASS
N13	15	10	CP-64QAM	M	Outer_Full	9.255	10.080	PASS
N13	15	10	CP-256QAM	M	Outer_Full	9.289	10.020	PASS



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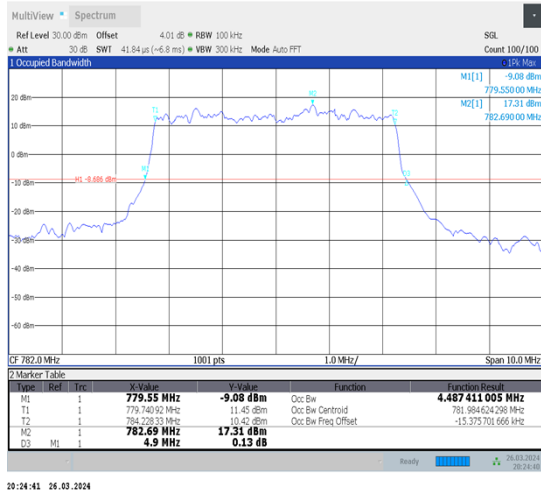
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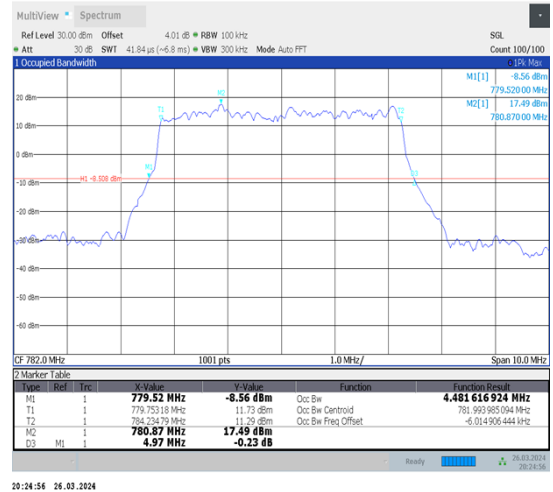
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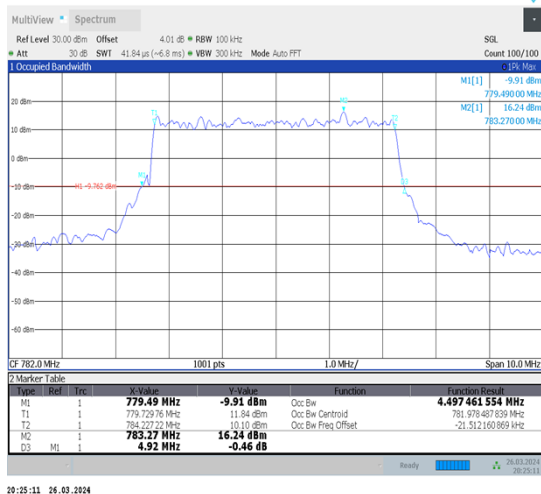
Test Graphs



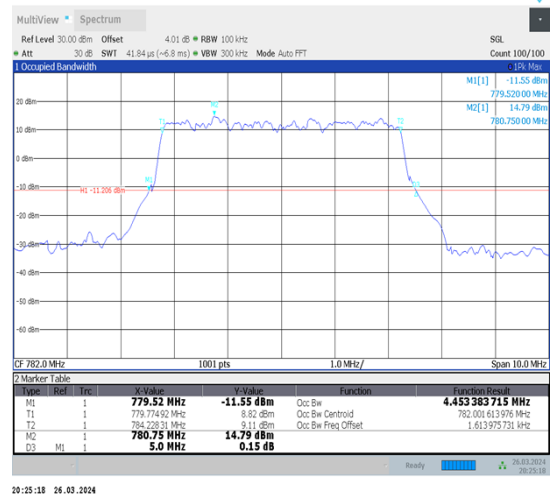
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1-N13-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.482-4.970-≤5-PASS



1-N13-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.497-4.920-≤5-PASS



1-N13-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.453-5.000-≤5-PASS



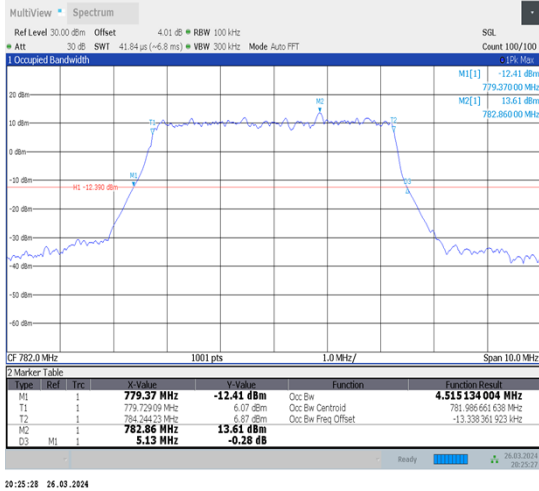
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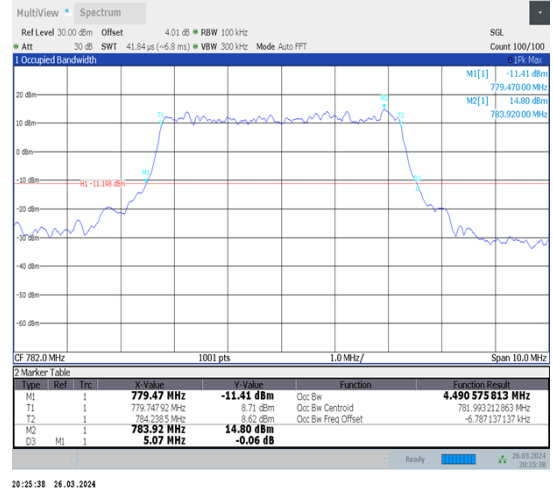
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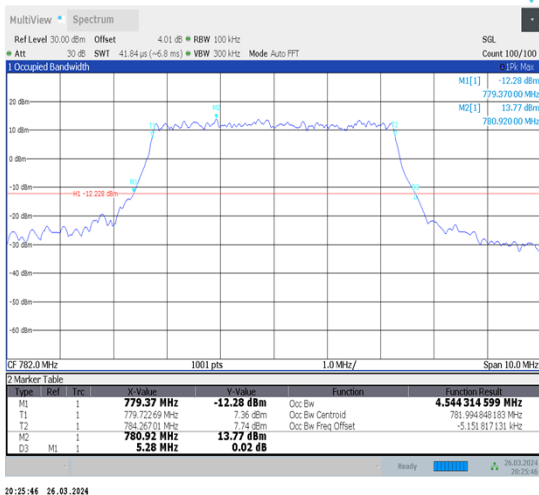
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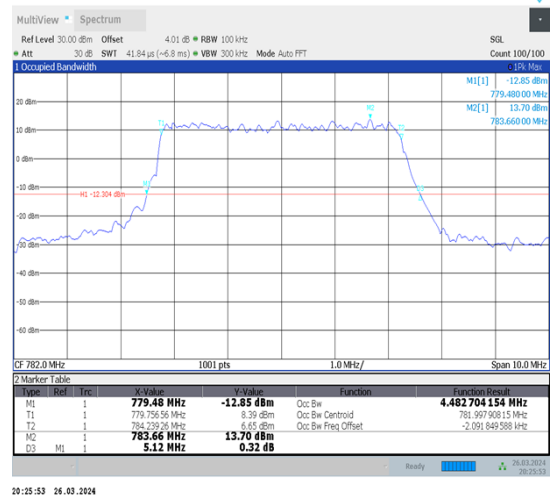
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1-N13-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.491-5.070-≤5-PASS



1-N13-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.544-5.280-≤5-PASS



1-N13-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.483-5.120-≤5-PASS



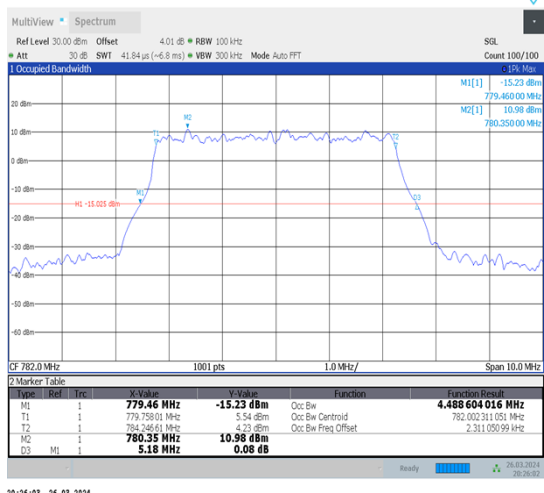
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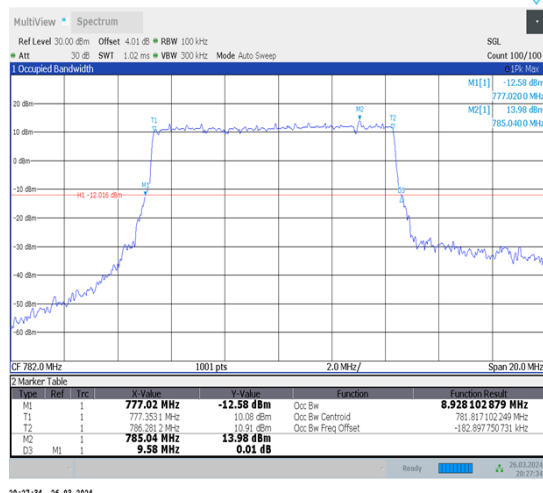
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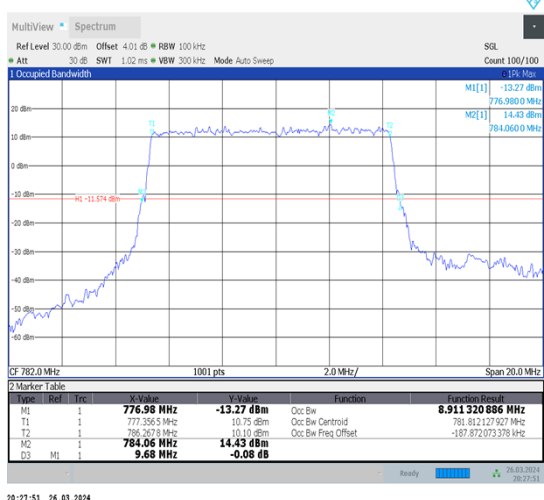
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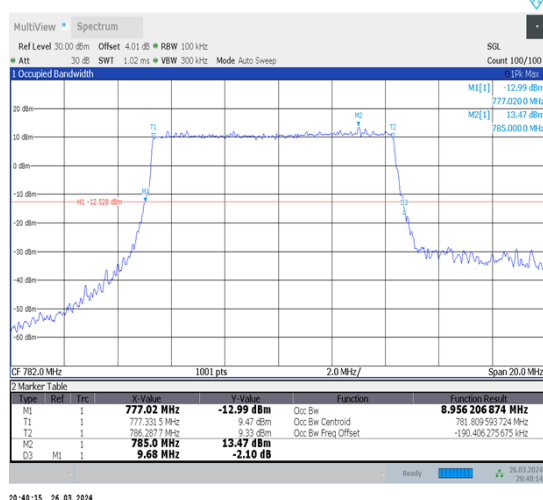
1-N13-15-5-M-9-CP-256QAM-Outer_Full-25@0-
Ant1-4.489-5.180-≤5-PASS



1-N13-15-10-M-1-DFT-QPSK-Outer_Full-50@0-
Ant1-8.928-9.580-≤10-PASS



1-N13-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-
Ant1-8.911-9.680-≤10-PASS



1-N13-15-10-M-3-DFT-16QAM-Outer_Full-50@0-
Ant1-8.956-9.680-≤10-PASS



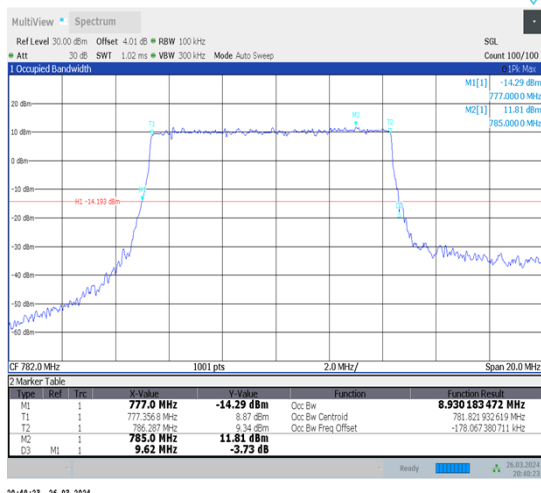
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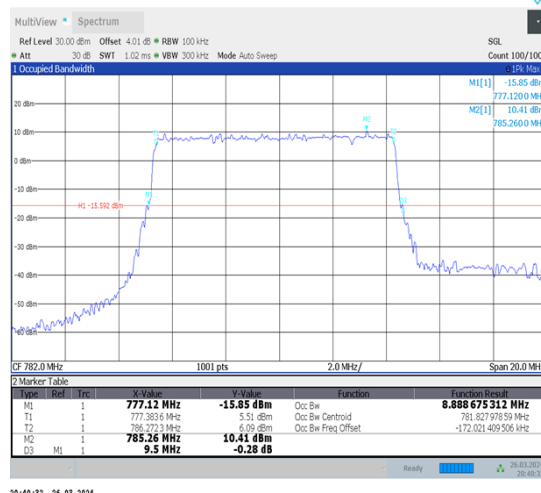
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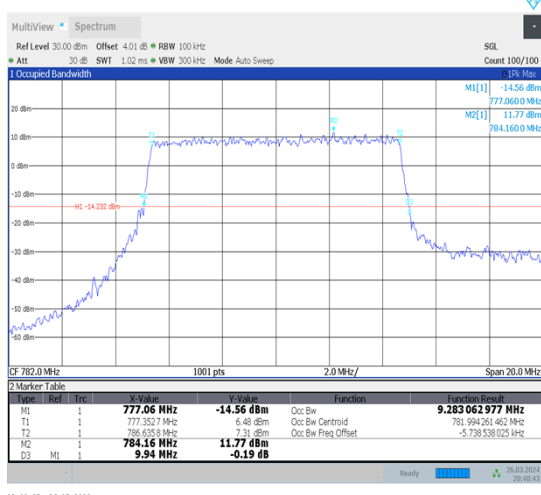
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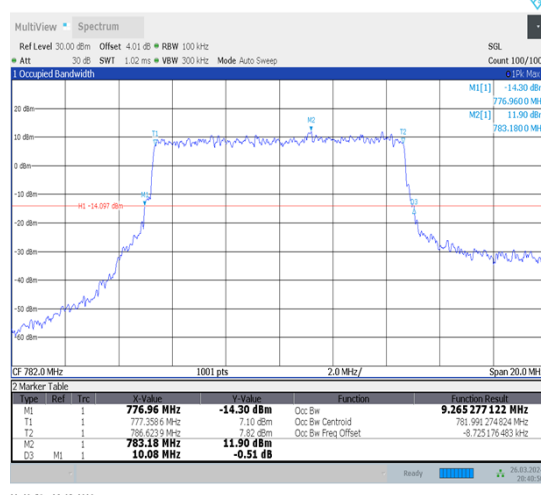
1-N13-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.93-9.620-≤10-PASS



1-N13-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.889-9.500-≤10-PASS



1-N13-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.283-9.940-≤10-PASS



1-N13-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.265-10.080-≤10-PASS



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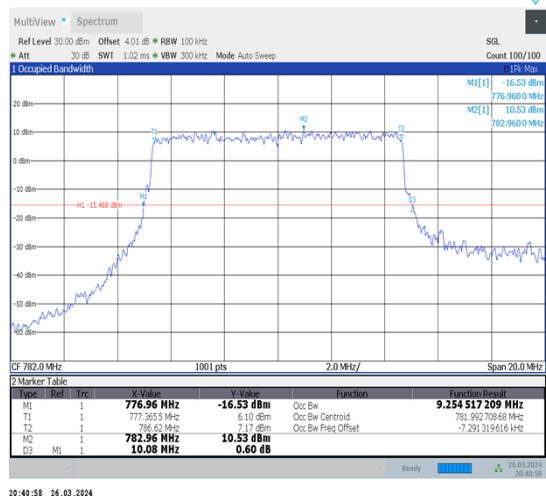
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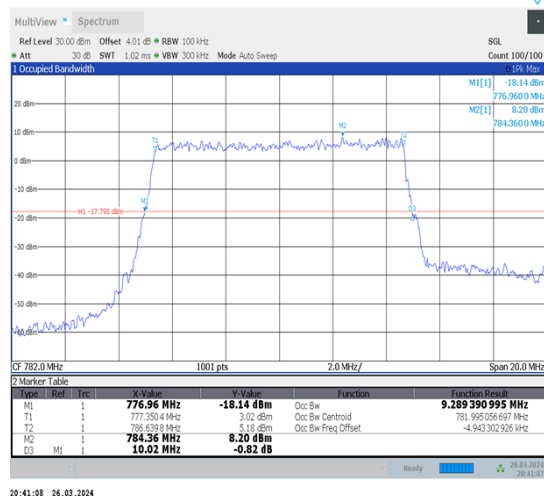
Report No.: SUCR240100001702

Rev.: 01

Page: 12 of 28



1-N13-15-10-M-8-CP-64QAM-Outet_Full-52@0-
Ant1-9.255-10.080-≤10-PASS



1-N13-15-10-M-9-CP-256QAM-Outet_Full-52@0-
Ant1-9.289-10.020-≤10-PASS



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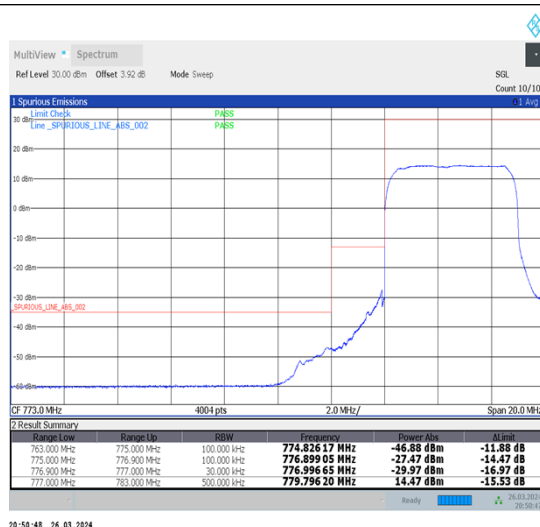
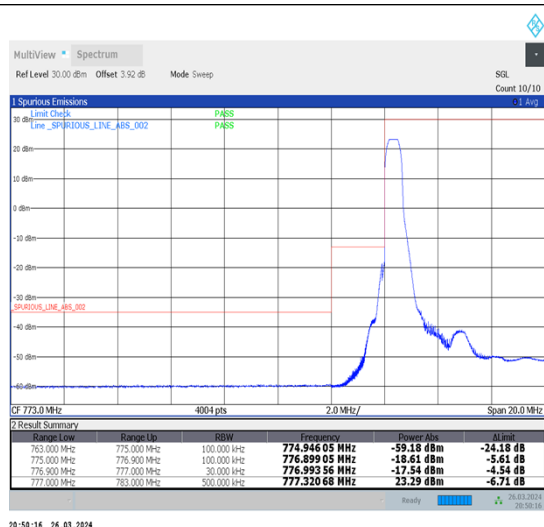
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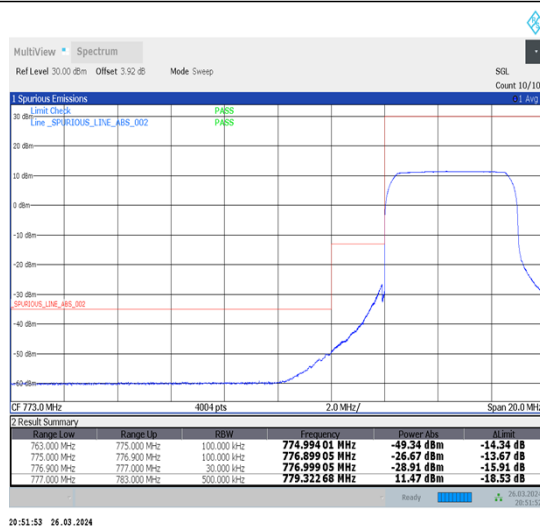
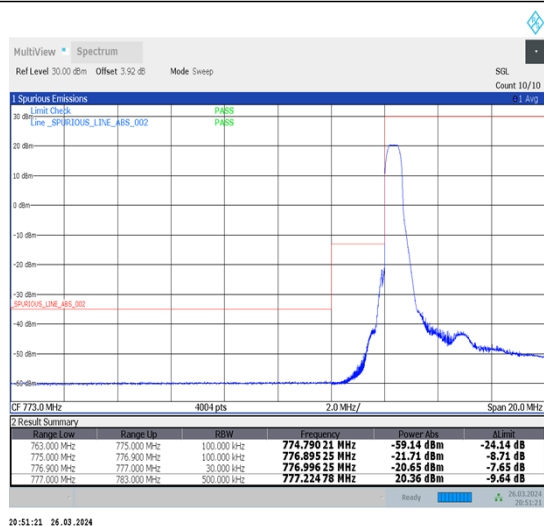
Band Edge for SA

Test Graphs



1-N13-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N13-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N13-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N13-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



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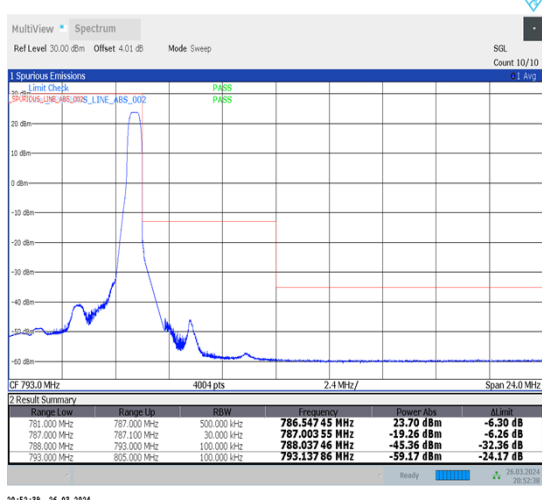
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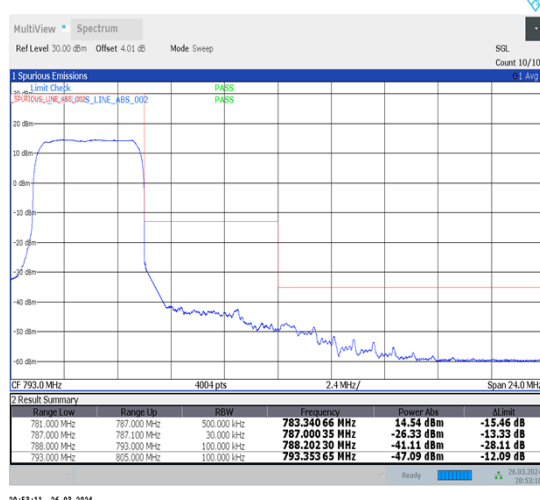
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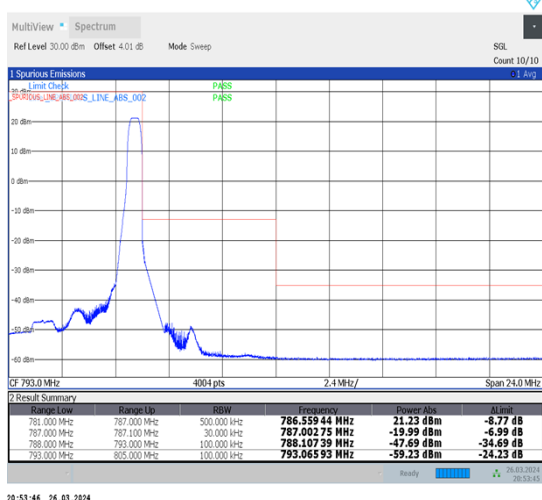
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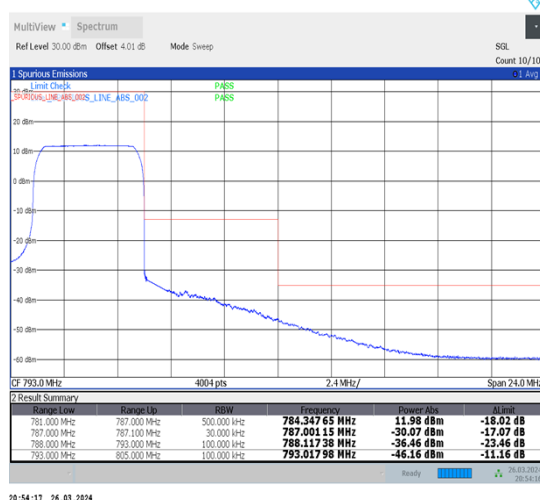
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1-N13-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N13-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



1-N13-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



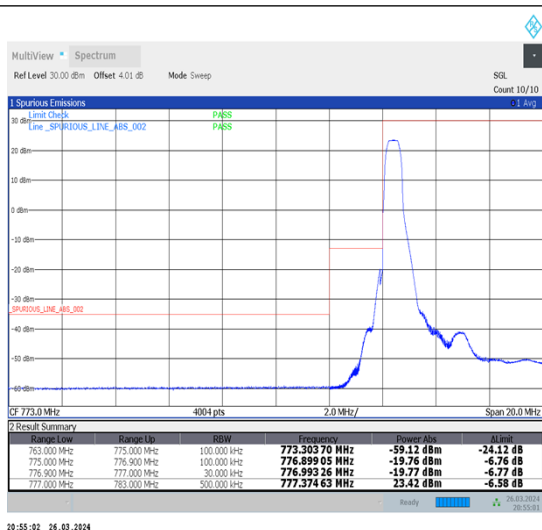
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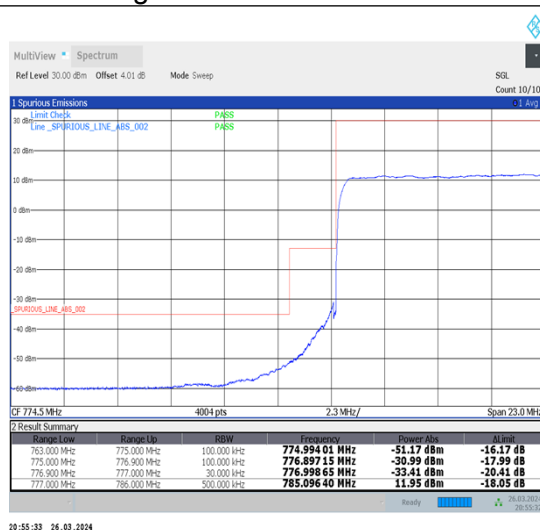
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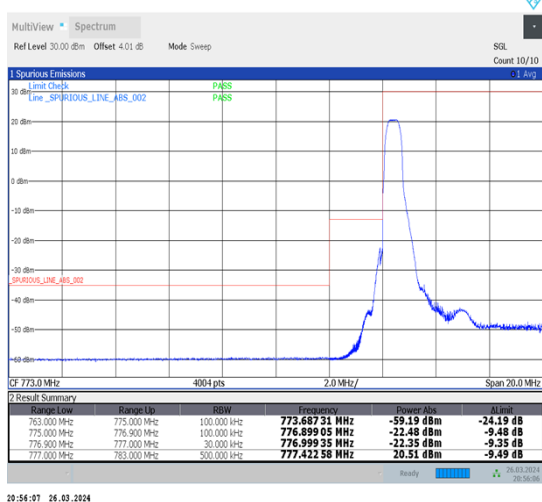
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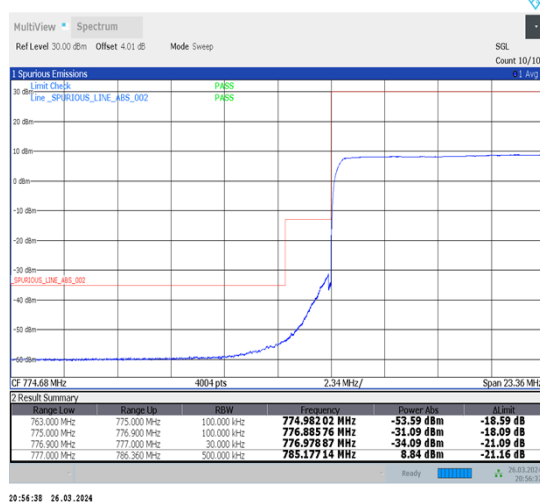
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1-N13-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N13-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N13-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



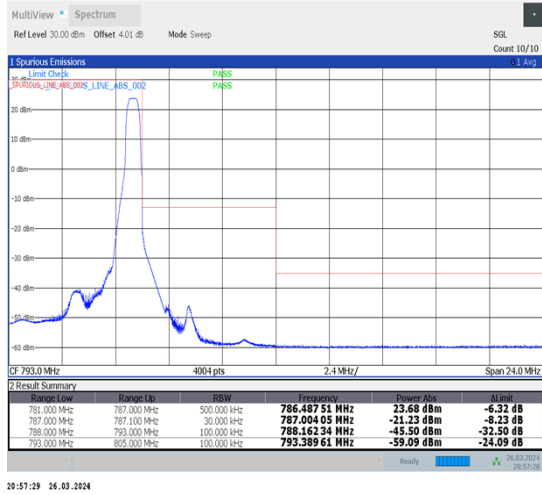
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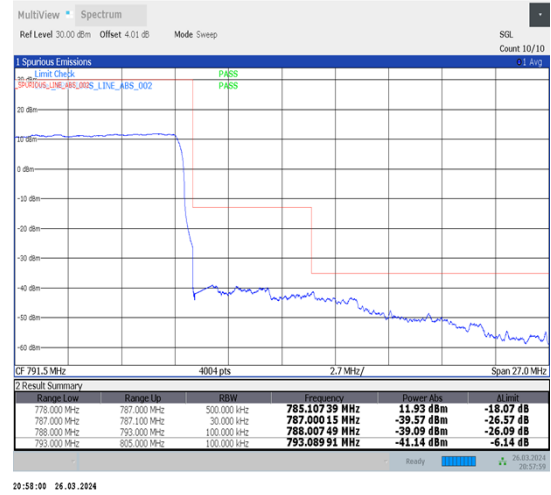
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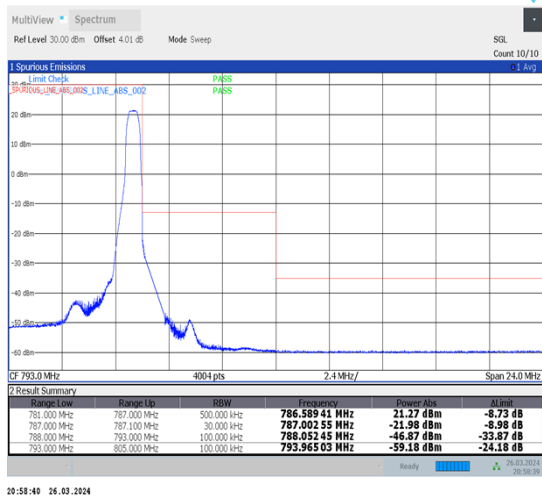
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1-N13-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



1-N13-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N13-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



1-N13-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



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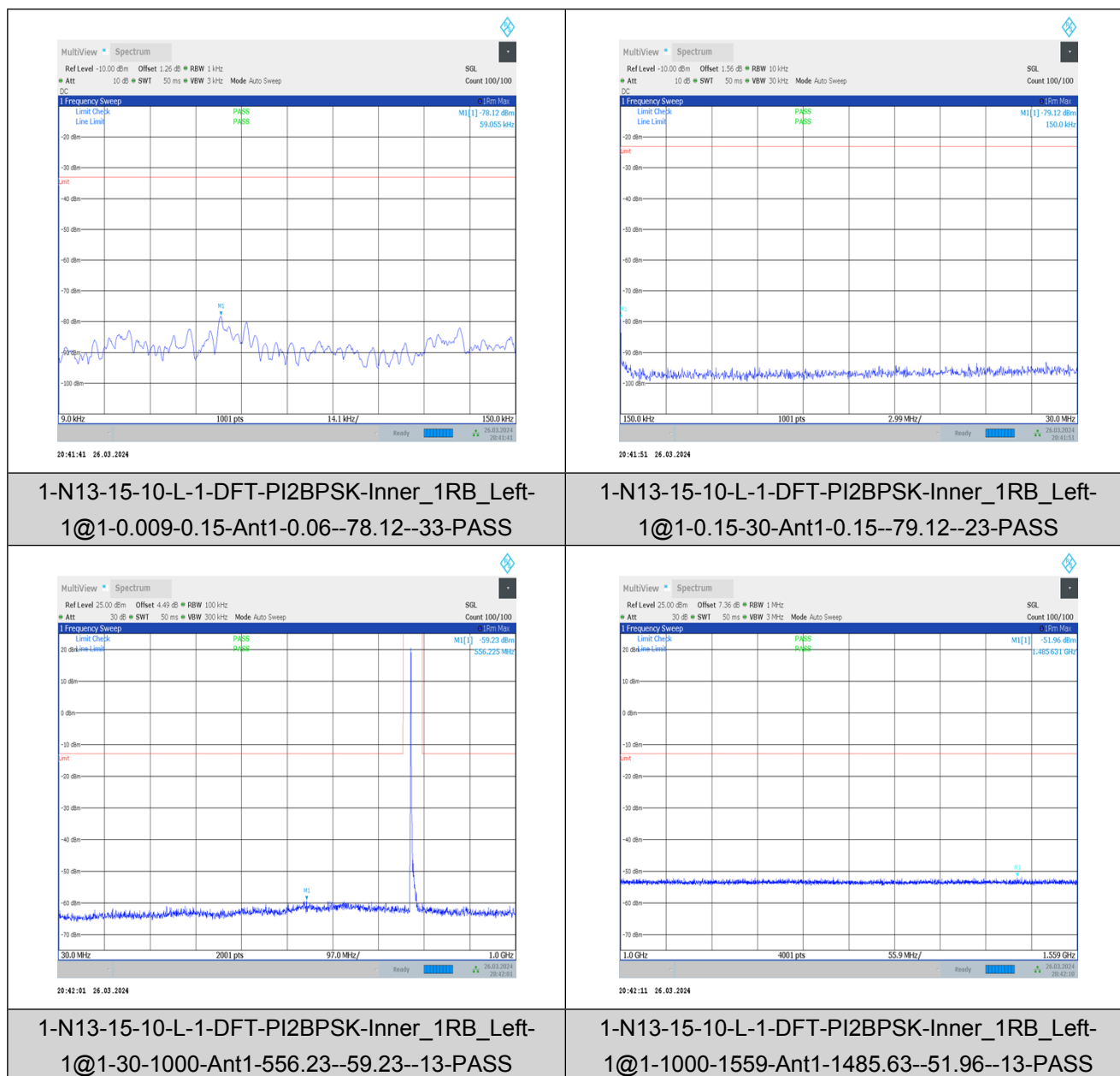
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Rev.: 01
Page: 17 of 28

Conducted Spurious Emission for SA

Test Graphs



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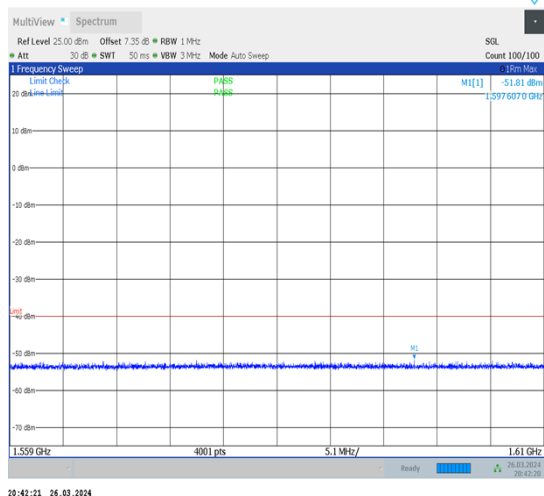
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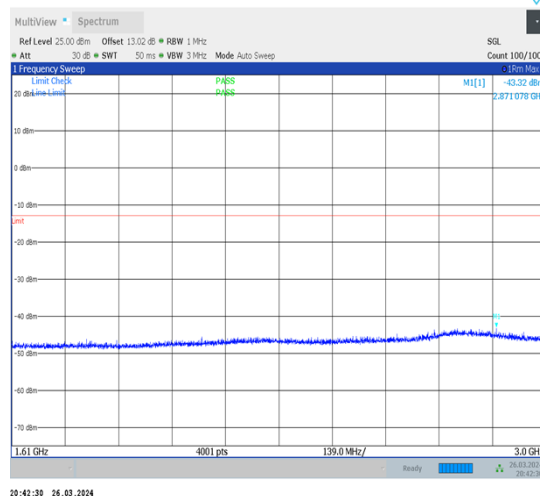
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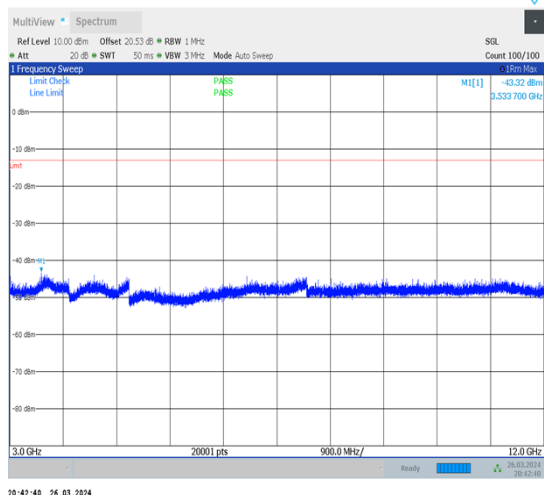
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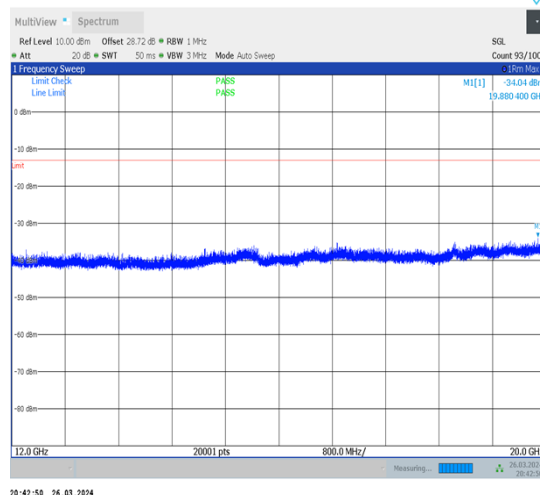
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1-N13-15-10-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-3533.70--43.32--13-PASS



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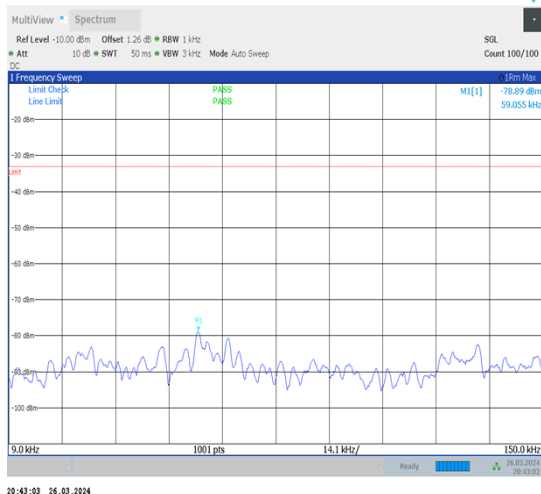
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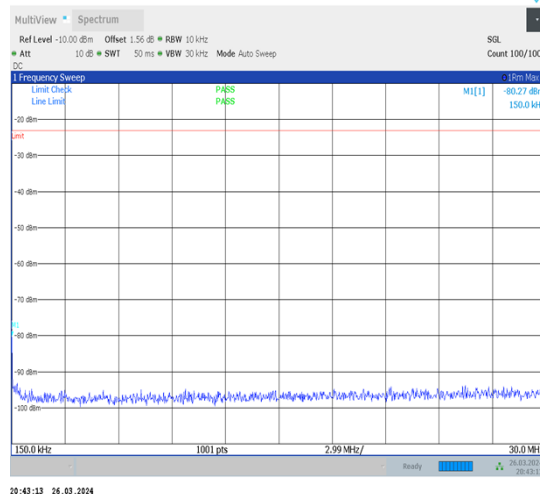
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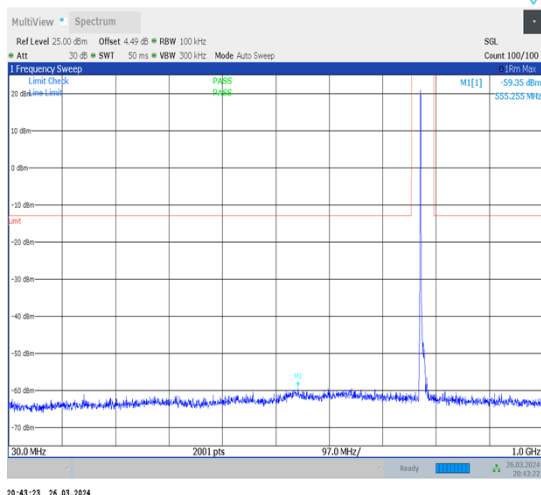
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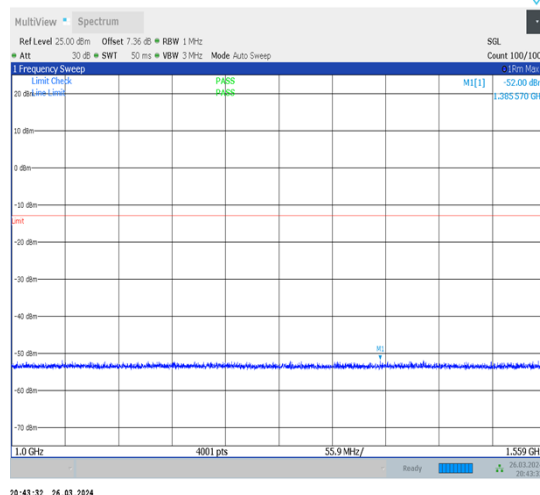
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1-N13-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--80.27--23-PASS



1-N13-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-555.26--59.35--13-PASS



1-N13-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-1559-Ant1-1385.57--52.00--13-PASS



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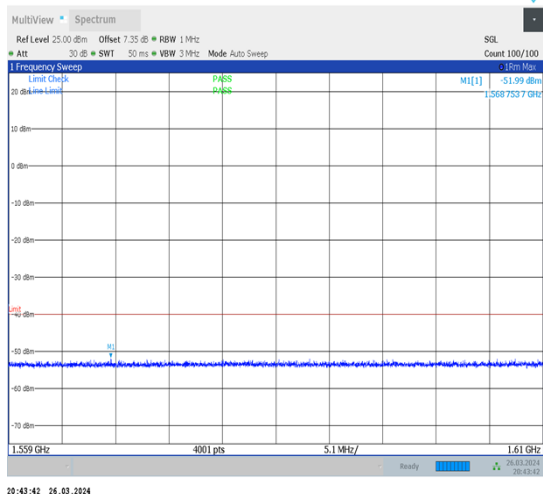
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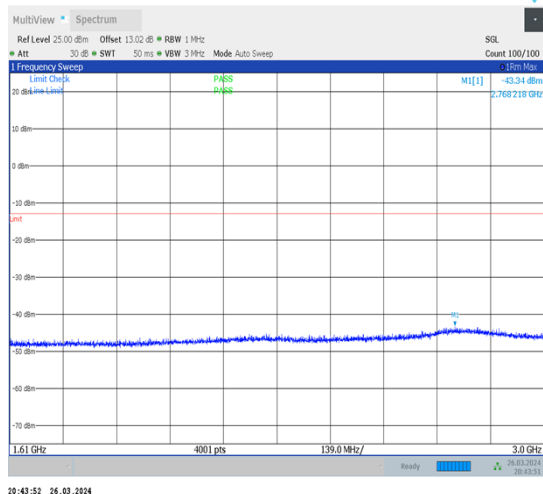
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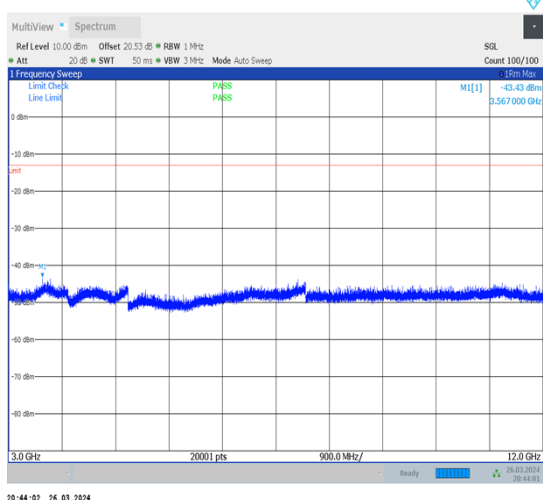
Page: 20 of 28



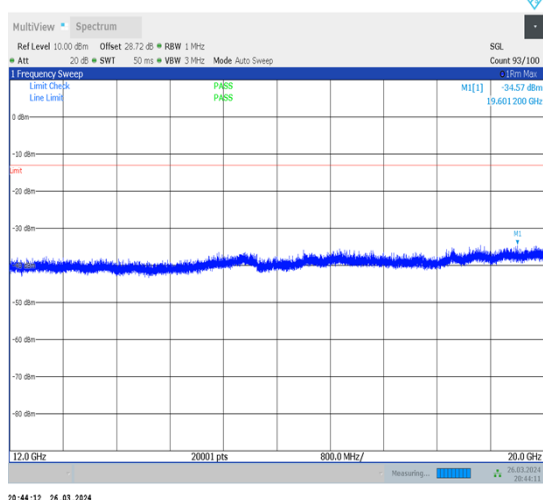
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1-N13-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1610-3000-Ant1-2768.22--43.34--13-PASS



1-N13-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-3567.00--43.43--13-PASS



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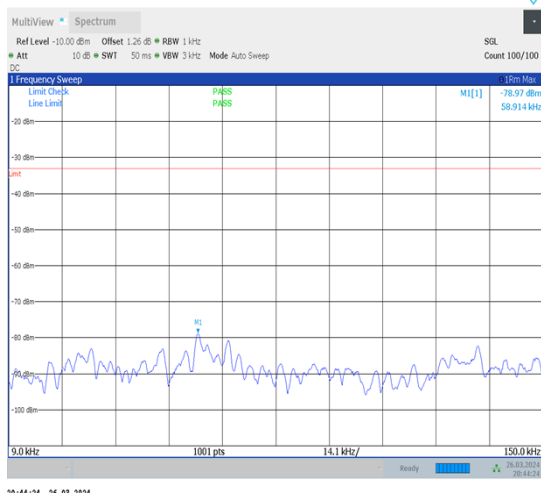
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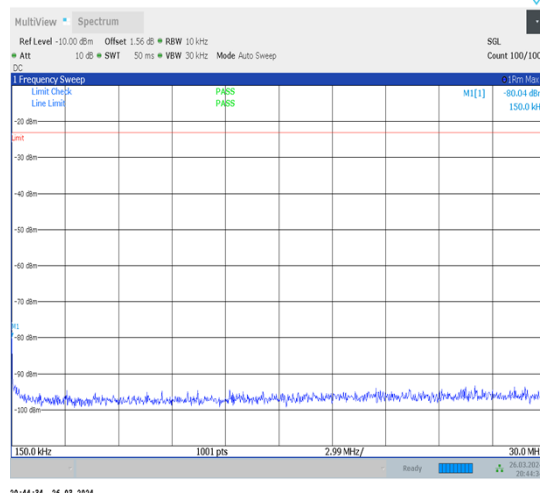
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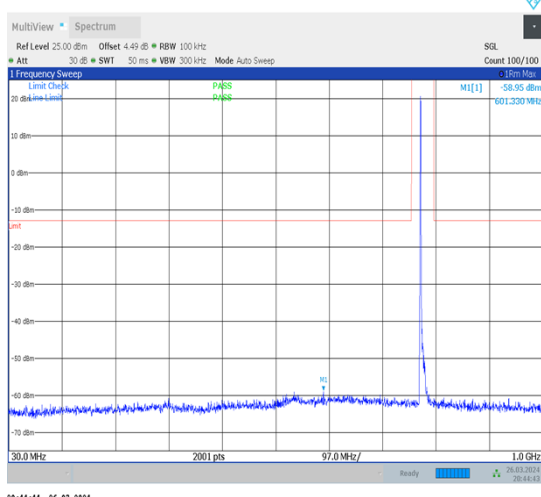
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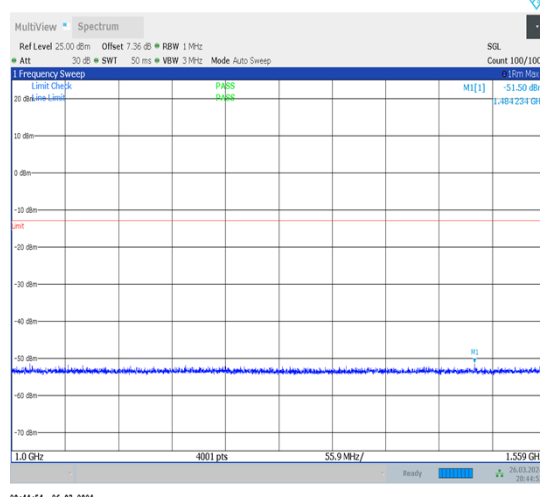
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1-N13-15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--80.04--23-PASS



1-N13-15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-601.33--58.95--13-PASS



1-N13-15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-1559-Ant1-1484.23--51.50--13-PASS



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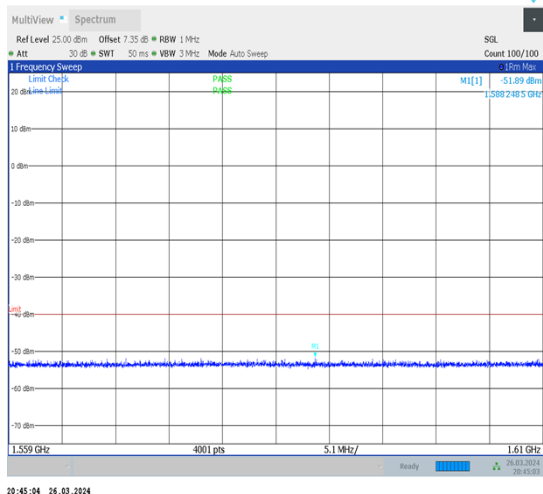
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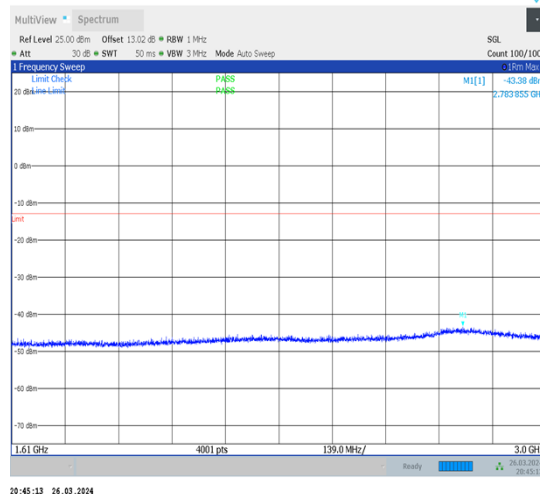
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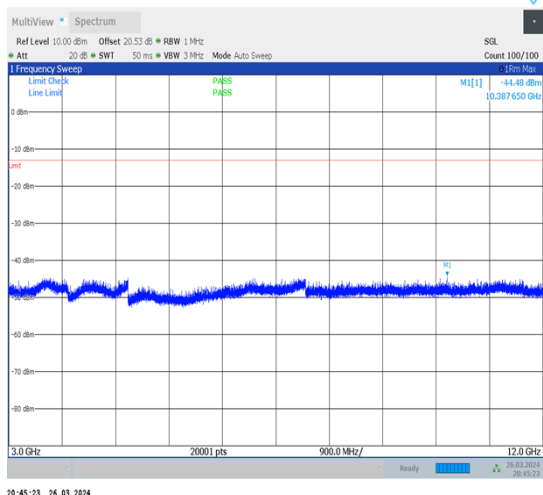
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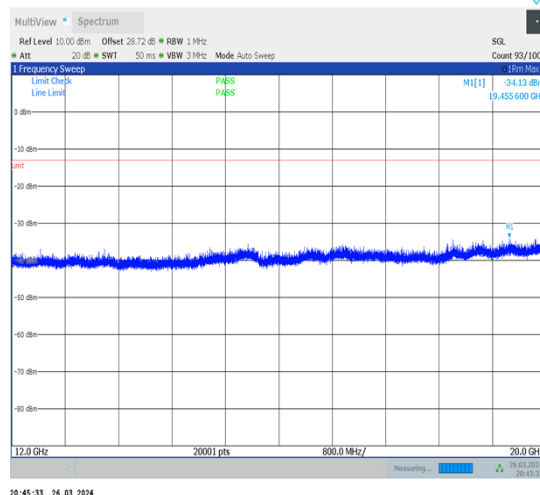
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1-N13-15-10-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-19455.60--34.13--13-PASS



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Rev.: 01

Page: 23 of 28

Field Strength of Spurious Radiation

Test Band = SA_n13
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1497.5	50.78	-47.06	24.92	-66.62	-13.00	53.62	Horizontal
2	1591	47.30	-46.93	24.94	-69.95	-40.00	29.95	Horizontal
3	2332	53.74	-46.01	27.42	-60.11	-13.00	47.11	Horizontal
4	3283	46.05	-44.61	28.53	-65.29	-13.00	52.29	Horizontal
5	5119	45.02	-42.49	31.61	-61.12	-13.00	48.12	Horizontal
6	8466.5	41.04	-36.08	36.43	-53.87	-13.00	40.87	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1497.5	55.44	-47.06	24.92	-61.96	-13.00	48.96	Vertical
2	1602	47.21	-46.96	25.12	-69.89	-40.00	29.89	Vertical
3	2583.5	47.11	-45.52	27.87	-65.80	-13.00	52.80	Vertical
4	4924.5	44.93	-42.65	30.95	-62.03	-13.00	49.03	Vertical
5	7874.5	41.44	-37.43	36.65	-54.60	-13.00	41.60	Vertical
6	9942.5	40.31	-34.93	38.64	-51.24	-13.00	38.24	Vertical



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Rev.: 01

Page: 24 of 28

Test Band = SA_n13
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1501.5	50.79	-47.06	24.88	-66.65	-13.00	53.65	Horizontal
2	1590	47.19	-46.93	24.92	-70.08	-40.00	30.08	Horizontal
3	2339.5	54.61	-46.02	27.50	-59.17	-13.00	46.17	Horizontal
4	3135	46.59	-45.01	28.76	-64.92	-13.00	51.92	Horizontal
5	4777	45.42	-42.87	30.66	-62.05	-13.00	49.05	Horizontal
6	6412	43.61	-40.28	33.72	-58.21	-13.00	45.21	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1502	55.51	-47.06	24.87	-61.94	-13.00	48.94	Vertical
2	1559.5	48.01	-46.85	24.37	-69.73	-40.00	29.73	Vertical
3	2339.5	50.33	-46.02	27.50	-63.45	-13.00	50.45	Vertical
4	3711	47.01	-44.34	29.37	-63.22	-13.00	50.22	Vertical
5	5502.5	44.18	-41.74	32.39	-60.43	-13.00	47.43	Vertical
6	8284.5	40.75	-36.65	36.43	-54.73	-13.00	41.73	Vertical



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Report No.: SUCR240100001702

Rev.: 01

Page: 25 of 28

Test Band = SA_n13

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1506.5	49.27	-47.04	24.81	-68.22	-13.00	55.22	Horizontal
2	1602.5	47.18	-46.96	25.12	-69.92	-40.00	29.92	Horizontal
3	2347	53.57	-46.03	27.57	-60.15	-13.00	47.15	Horizontal
4	3474.5	46.60	-44.69	29.00	-64.35	-13.00	51.35	Horizontal
5	5611.5	43.95	-41.43	32.58	-60.16	-13.00	47.16	Horizontal
6	7415.5	42.70	-38.07	36.73	-53.90	-13.00	40.90	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1507	55.10	-47.04	24.80	-62.40	-13.00	49.40	Vertical
2	1570	47.71	-46.88	24.56	-69.87	-40.00	29.87	Vertical
3	1812.5	52.42	-46.60	25.45	-63.99	-13.00	50.99	Vertical
4	2624.5	46.89	-45.52	27.90	-65.99	-13.00	52.99	Vertical
5	3970	45.51	-43.81	29.86	-63.70	-13.00	50.70	Vertical
6	7164.5	41.09	-38.45	36.46	-56.16	-13.00	43.16	Vertical



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Report No.: SUCR240100001702

Rev.: 01

Page: 26 of 28

Test Band = SA_n13-10M
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1498.5	48.49	-47.06	24.91	-68.92	-13.00	55.92	Horizontal
2	1601.5	47.11	-46.96	25.11	-70.00	-40.00	30.00	Horizontal
3	2332.5	53.27	-46.01	27.43	-60.57	-13.00	47.57	Horizontal
4	3732	46.33	-44.21	29.49	-63.65	-13.00	50.65	Horizontal
5	7411.5	42.54	-38.11	36.72	-54.11	-13.00	41.11	Horizontal
6	9946	39.89	-34.92	38.65	-51.64	-13.00	38.64	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1501	52.63	-47.07	24.89	-64.81	-13.00	51.81	Vertical
2	1599	47.13	-46.96	25.08	-70.01	-40.00	30.01	Vertical
3	1812.5	49.40	-46.60	25.45	-67.01	-13.00	54.01	Vertical
4	2638	46.87	-45.50	27.90	-65.99	-13.00	52.99	Vertical
5	3699.5	46.95	-44.41	29.30	-63.42	-13.00	50.42	Vertical
6	5504	43.87	-41.74	32.38	-60.75	-13.00	47.75	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

2) All antennas of RSE are tested, and only the worst data is presented.



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Report No.: SUCR240100001702

Rev.: 01

Page: 27 of 28

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
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.400000	0.001790	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.500000	0.001918	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.800000	-0.001023	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VH	NT	2.400000	0.003069	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VN	NT	2.800000	0.003581	PASS
N13	15	10	CP-QPSK	M	Outer_Full	VL	NT	2.300000	0.002941	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	0.900000	0.001151	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.200000	-0.000256	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.700000	0.000895	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.500000	-0.000639	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.000000	-0.001279	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.200000	-0.001535	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	2.100000	0.002685	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	0.000000	0.000000	PASS
N13	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	1.600000	0.002046	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-30	2.100000	0.002685	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-20	1.900000	0.002430	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	-10	2.400000	0.003069	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	0	3.300000	0.004220	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	10	3.700000	0.004731	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	20	4.700000	0.006010	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	30	3.500000	0.004476	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	40	2.300000	0.002941	PASS
N13	15	10	CP-QPSK	M	Outer_Full	NV	50	2.400000	0.003069	PASS

---End of Attachment---



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