

Appendix B.14

NR Band n5



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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
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	24.04	17.79	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.99	16.74	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	24.00	17.75	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.01	16.76	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.89	17.64	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	22.88	16.63	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.92	17.67	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.86	16.61	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.98	17.73	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	22.98	16.73	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.99	17.74	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	22.99	16.74	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	24.15	17.90	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.04	16.79	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	24.07	17.82	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.07	16.82	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	24.13	17.88	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.16	16.91	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.14	17.89	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.01	17.76	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.80	17.55	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	24.04	17.79	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.96	17.71	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.32	17.07	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.14	16.89	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.02	16.77	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.27	16.02	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.87	15.62	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.67	15.42	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	21.85	15.60	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.12	12.87	38.45	PASS



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N5	15	20	DFT-256QAM	L	Inner_1RB_Right	19.10	12.85	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	19.81	13.56	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	24.08	17.83	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.00	17.75	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.79	17.54	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.99	17.74	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.89	17.64	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.25	17.00	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.10	16.85	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	22.95	16.70	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.28	16.03	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.85	15.60	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.70	15.45	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	21.81	15.56	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.08	12.83	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	18.99	12.74	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	19.67	13.42	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.13	17.88	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.06	17.81	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.77	17.52	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	24.03	17.78	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.79	17.54	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.27	17.02	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.11	16.86	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.90	16.65	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.16	15.91	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.85	15.60	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.63	15.38	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	21.74	15.49	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.12	12.87	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	18.97	12.72	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	19.68	13.43	38.45	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	5.99	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	6.00	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	6.00	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	6.00	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	5.99	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	6.00	≤13	PASS



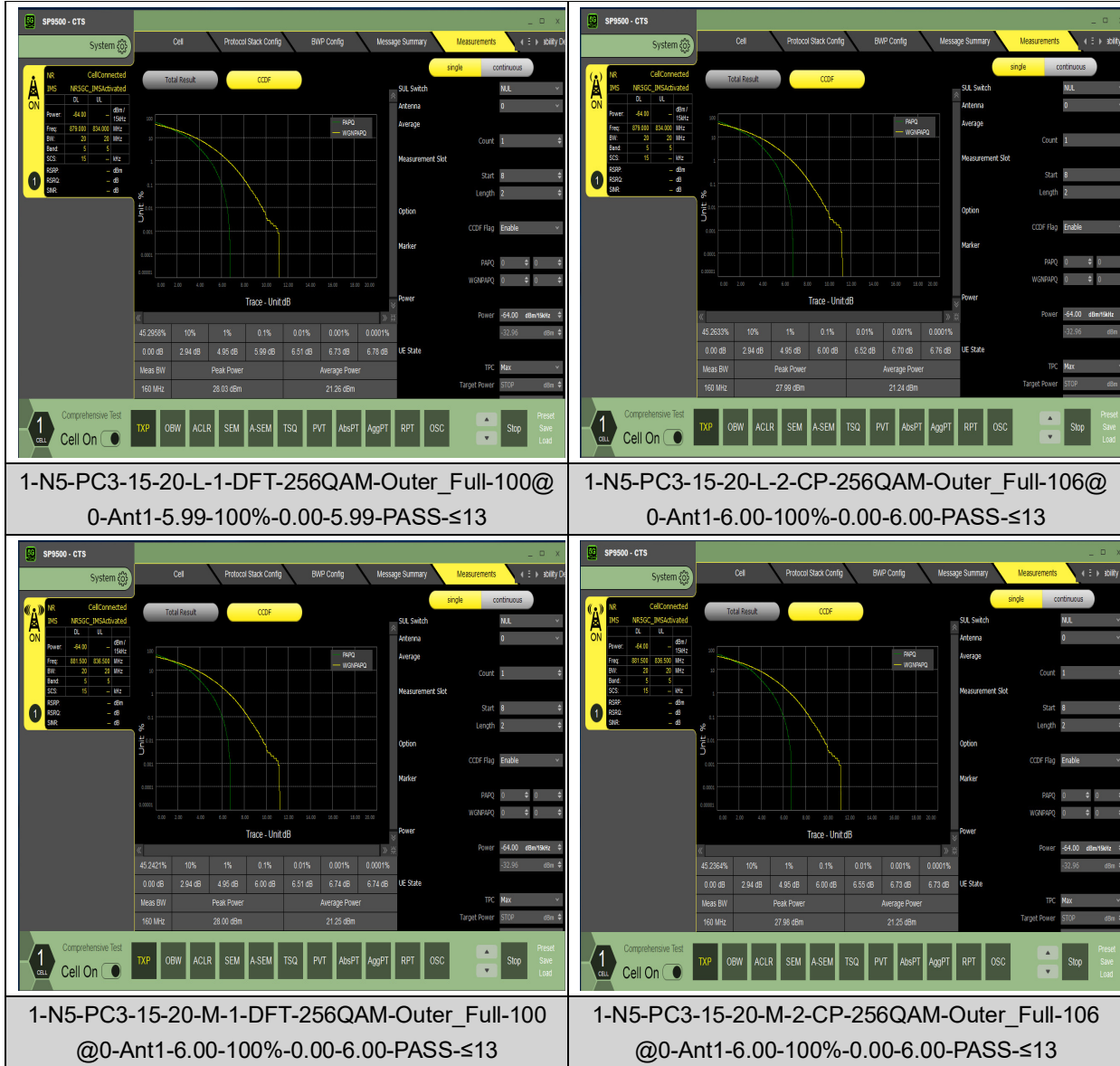
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Test Graphs



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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
N5	15	5	DFT-QPSK	M	Outer_Full	4.472	4.930	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.473	4.940	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.478	5.080	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.458	4.900	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.489	5.040	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.484	5.030	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.515	5.200	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.478	5.010	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.467	5.060	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.927	9.520	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.905	9.520	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.945	9.600	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.939	9.640	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.918	9.560	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.285	10.000	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.291	9.920	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.294	10.180	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.291	10.020	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.424	14.280	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.434	14.220	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.455	14.340	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.421	14.370	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.453	14.310	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.121	15.000	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.159	15.180	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.12	14.940	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.122	15.060	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.881	18.840	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.854	18.800	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.86	18.600	PASS



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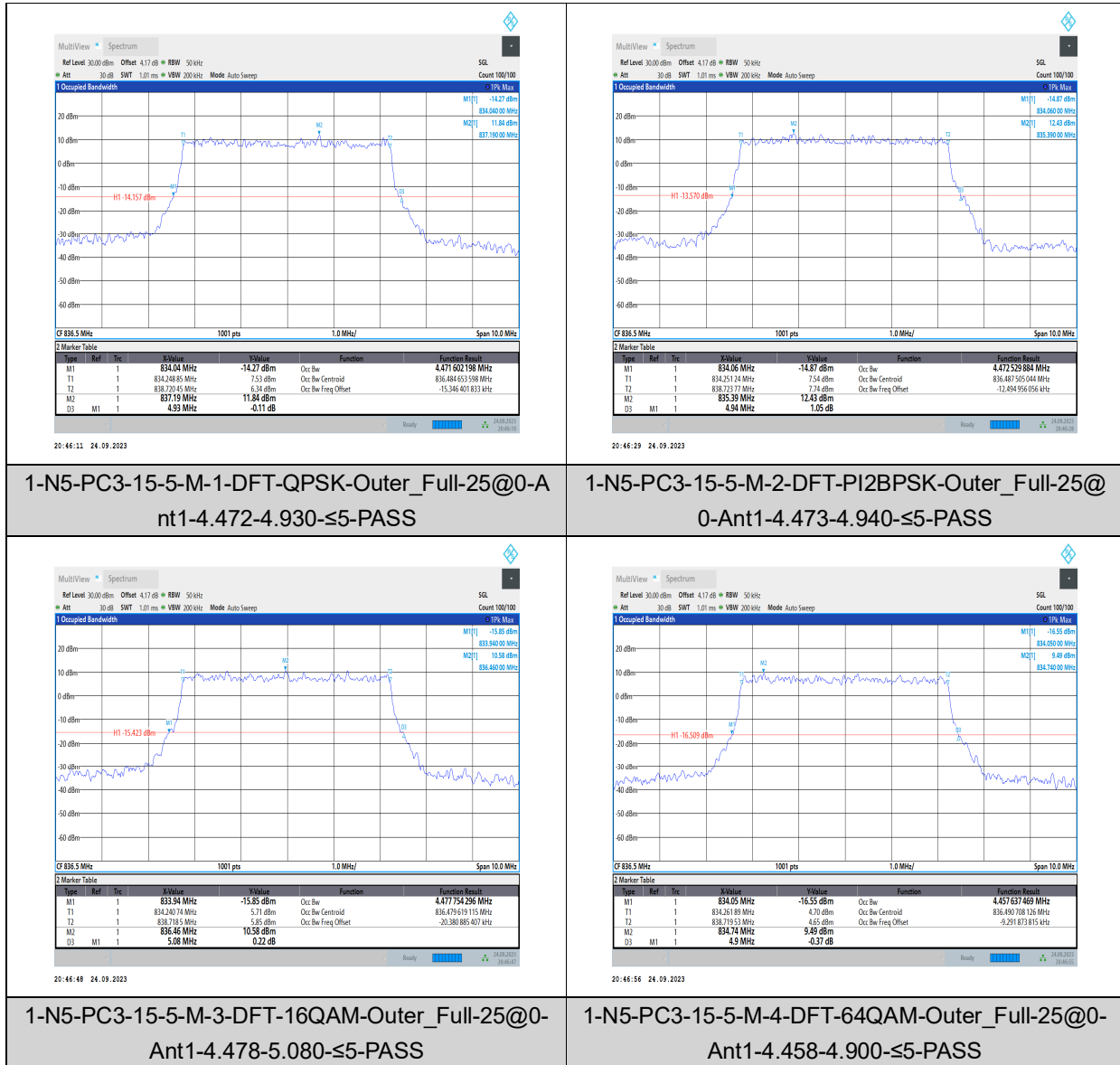
N5	15	20	DFT-64QAM	M	Outer_Full	17.886	18.680	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.844	18.760	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.867	19.880	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.922	19.720	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.871	19.800	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.87	19.920	PASS



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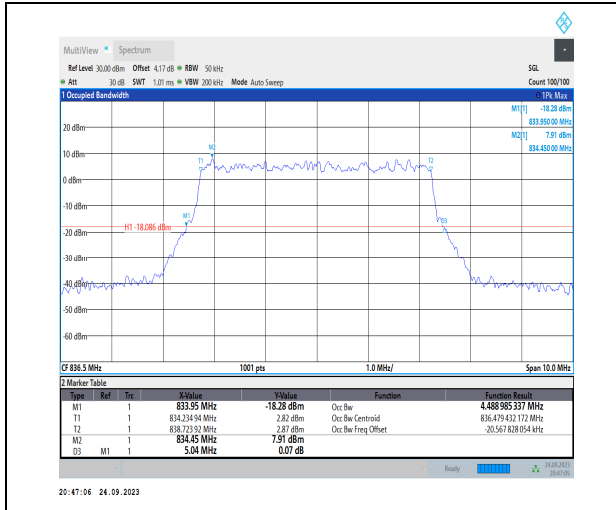
Test Graphs



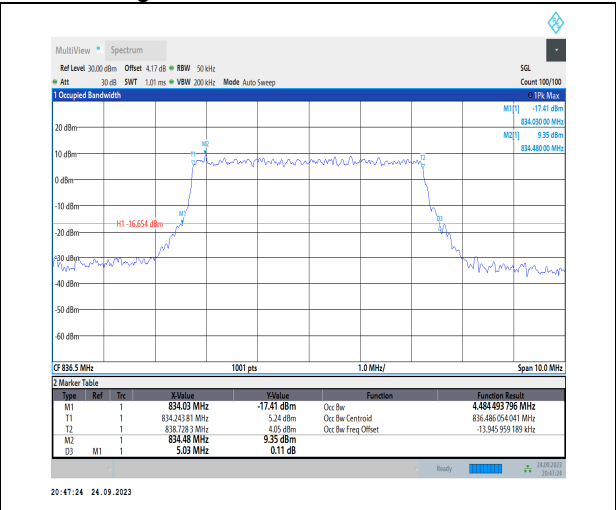
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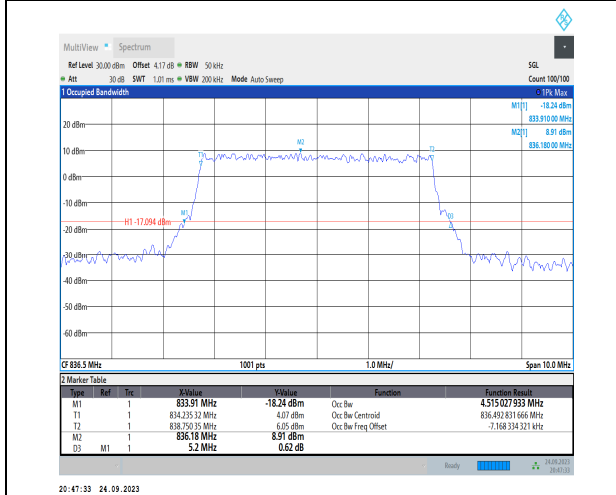
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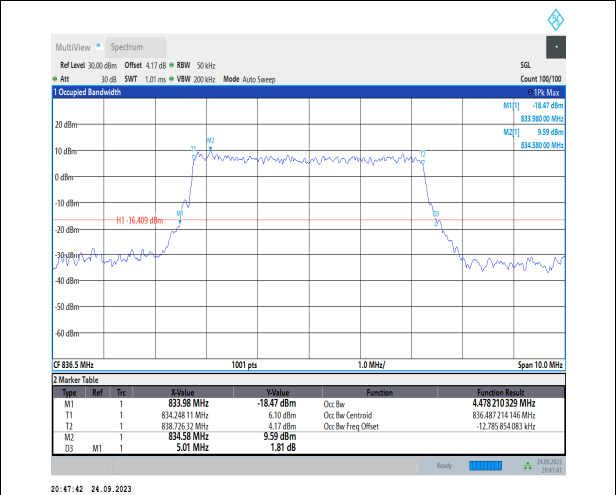
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t1-4.484-5.030-≤ 5-PASS



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nt1-4.515-5.200-≤ 5-PASS



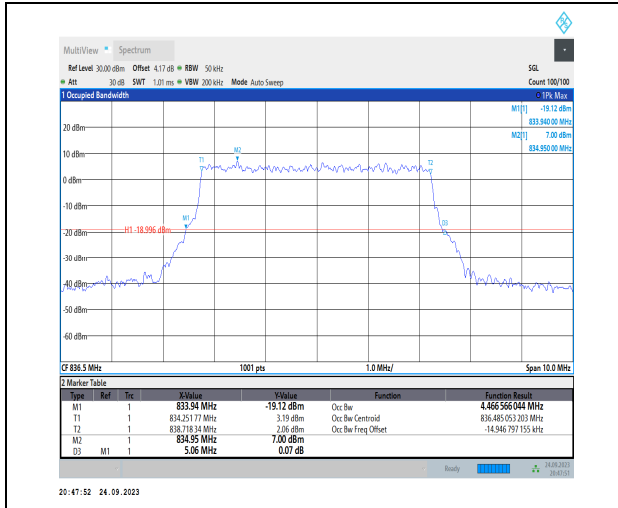
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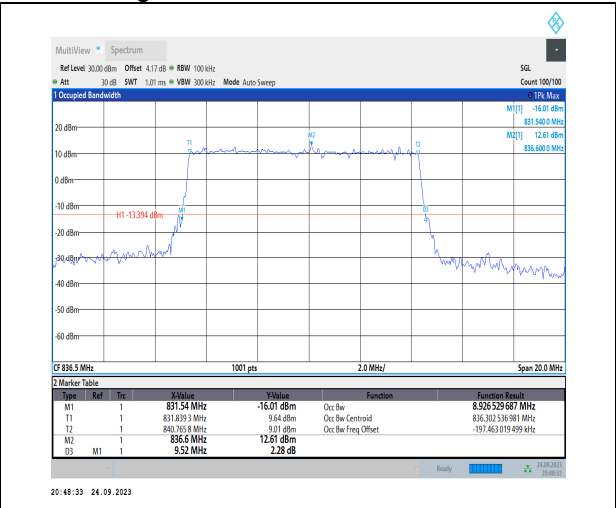
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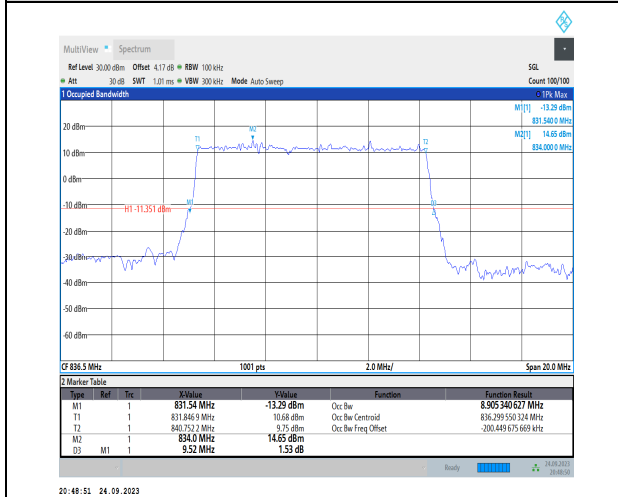
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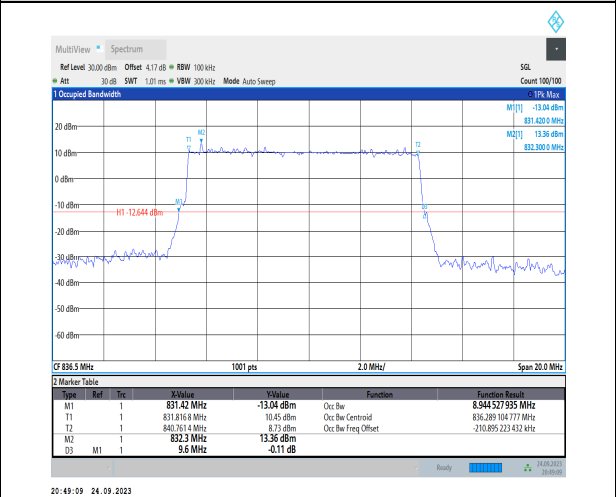
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1-N5-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.905-9.520-≤10-PASS



1-N5-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.945-9.600-≤10-PASS



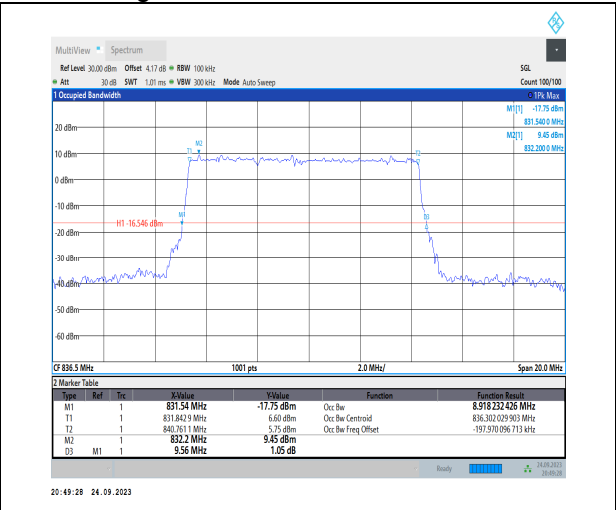
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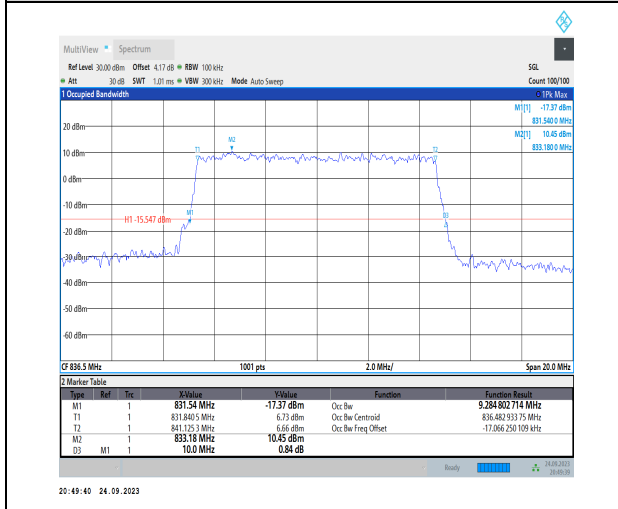
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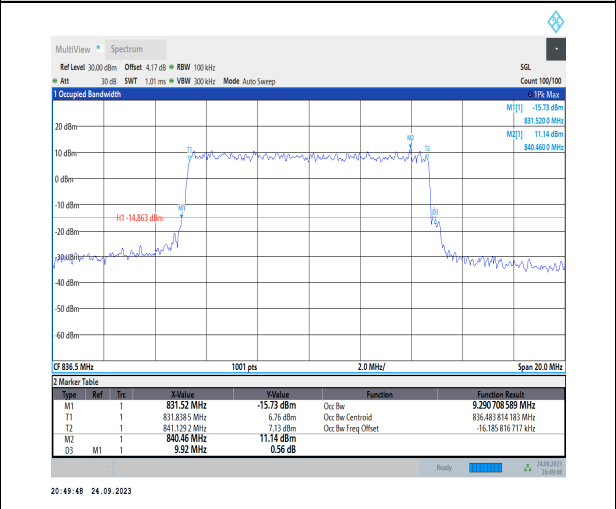
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1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-A nt1-9.285-10.000-≤10-PASS



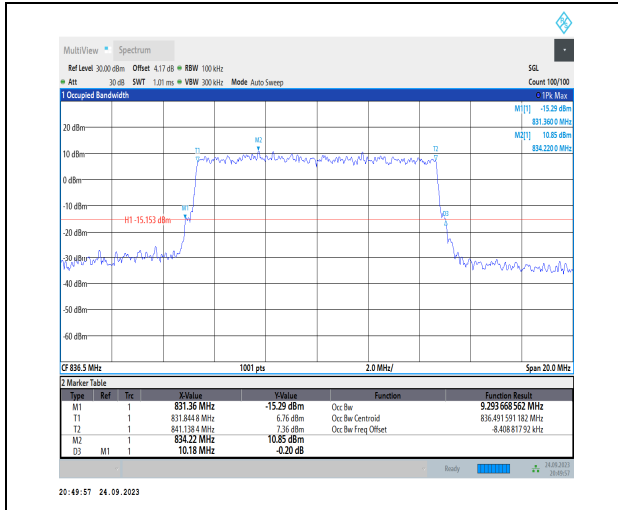
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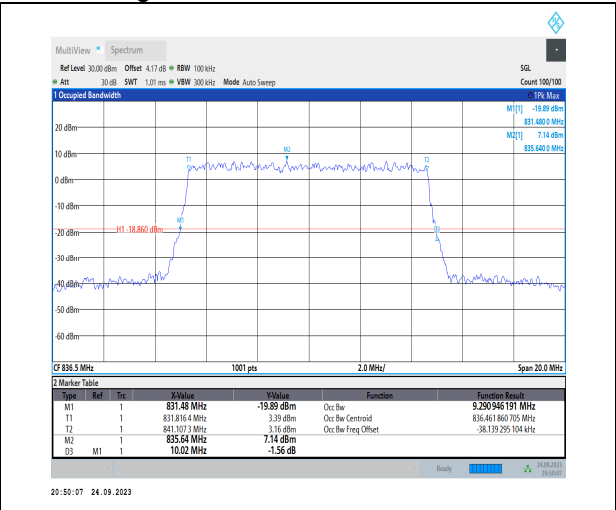
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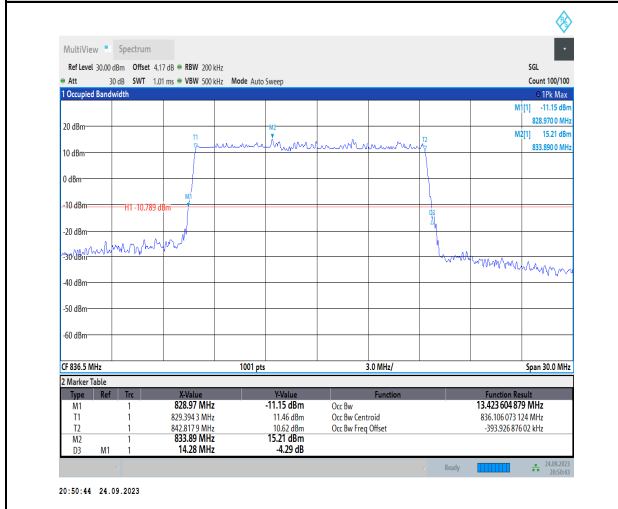
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1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.294-10.180-≤10-PASS



1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.291-10.020-≤10-PASS



1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.424-14.280-≤15-PASS



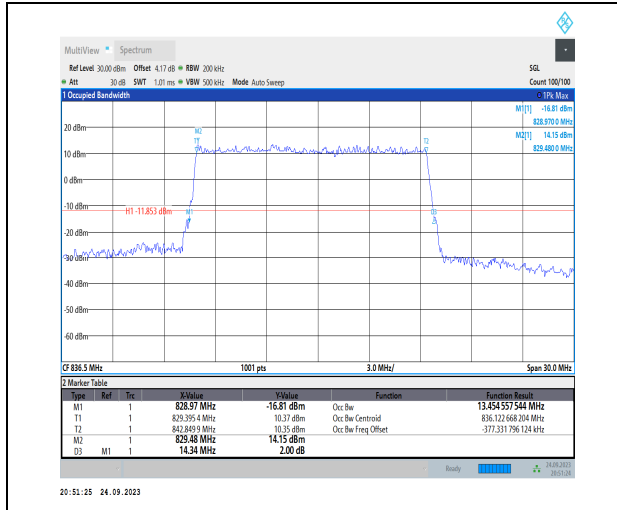
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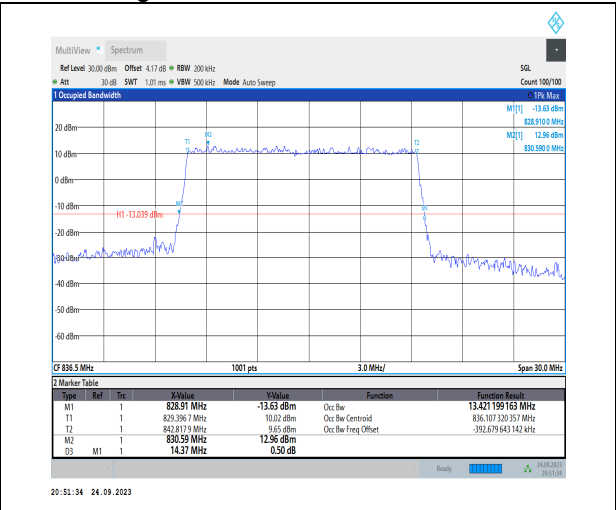
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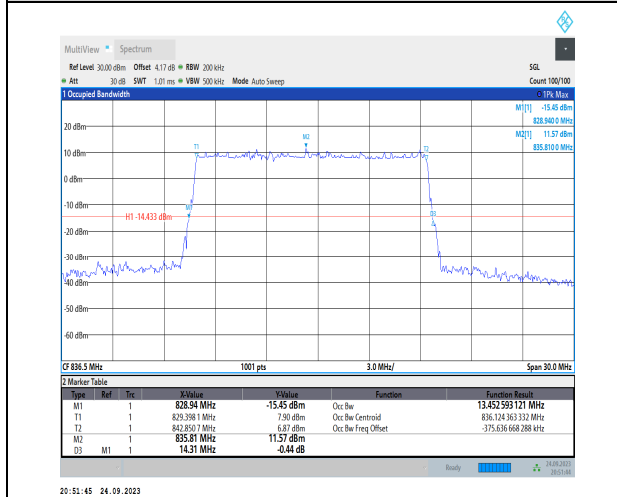
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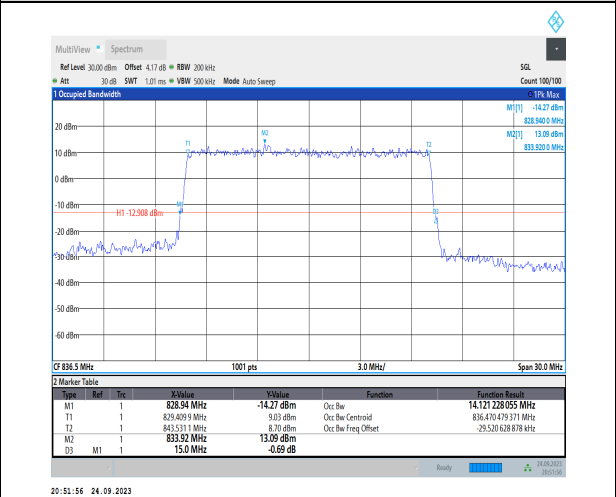
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1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0
-Ant1-13.421-14.370-≤15-PASS



1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0
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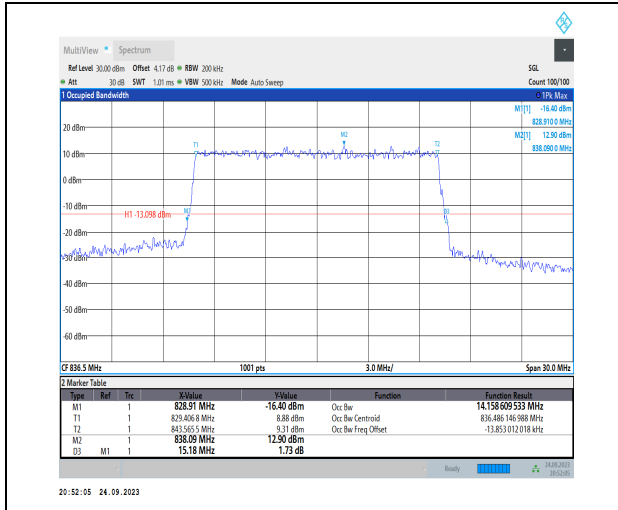


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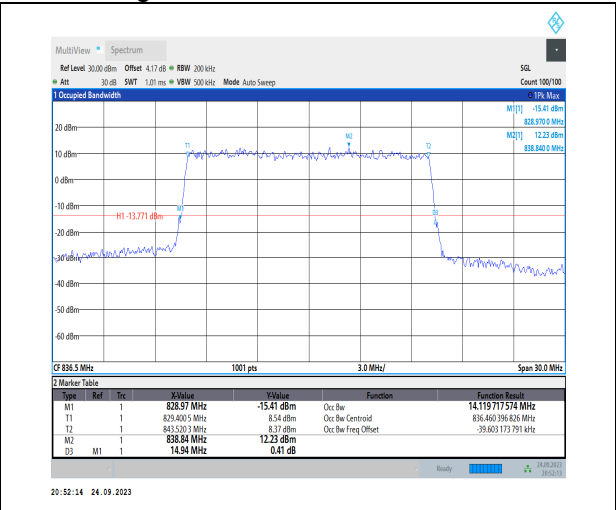
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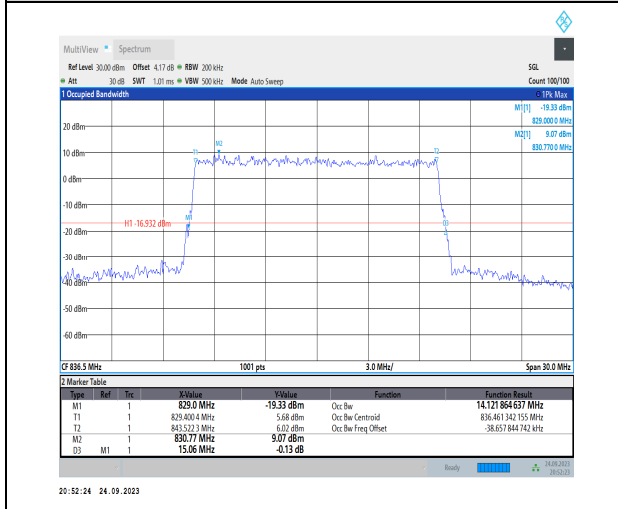
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1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.12-14.940-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.122-15.060-≤15-PASS



1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.881-18.840-≤20-PASS



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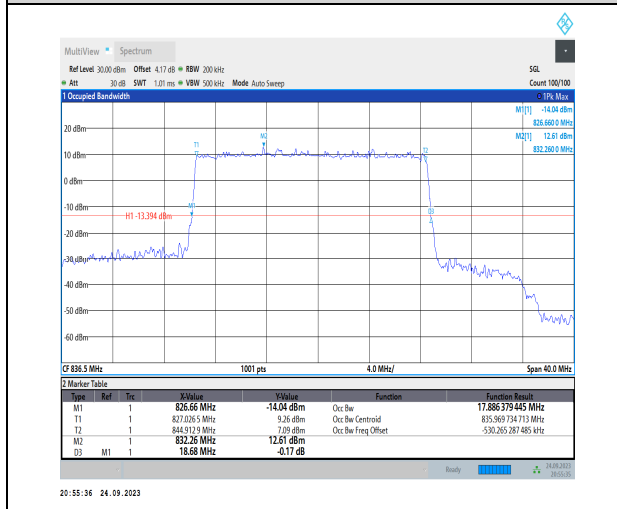
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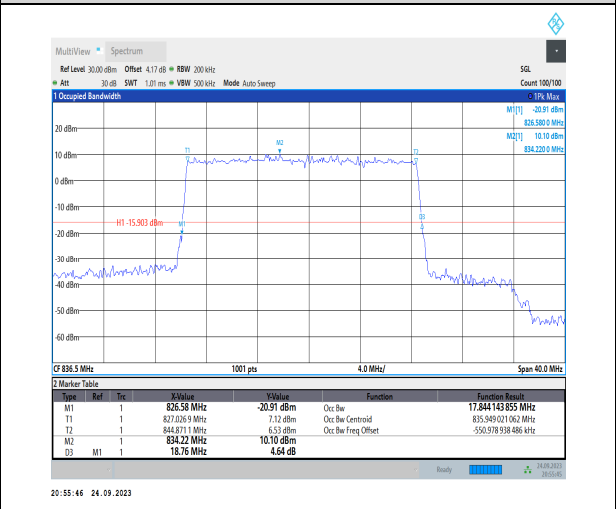
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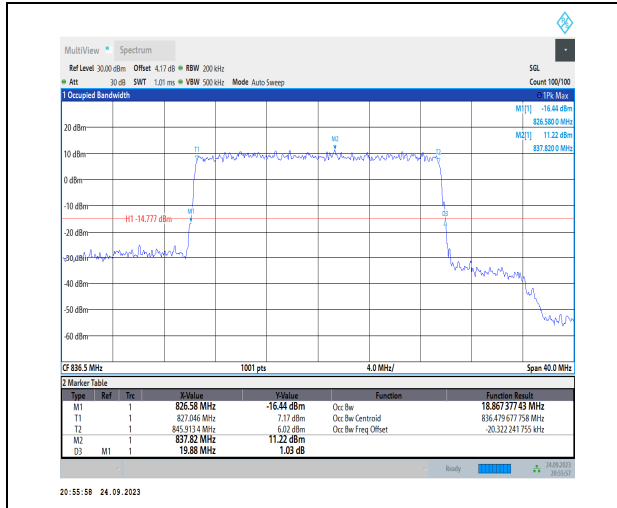
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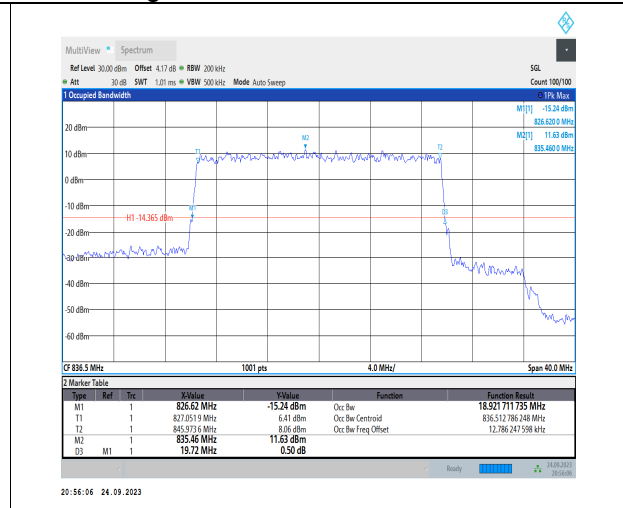
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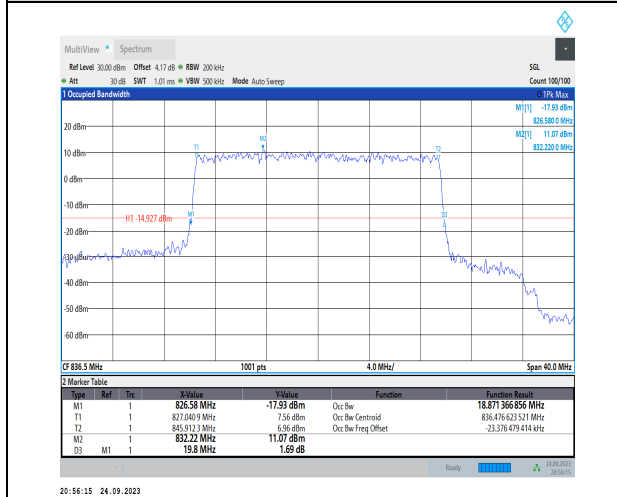
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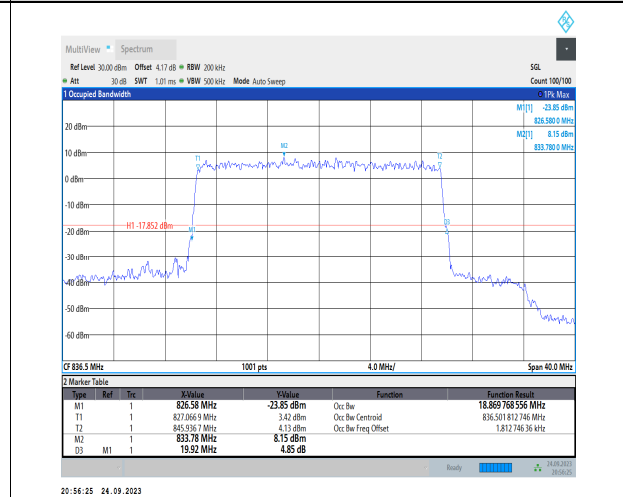
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1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-18.871-19.800-≤20-PASS



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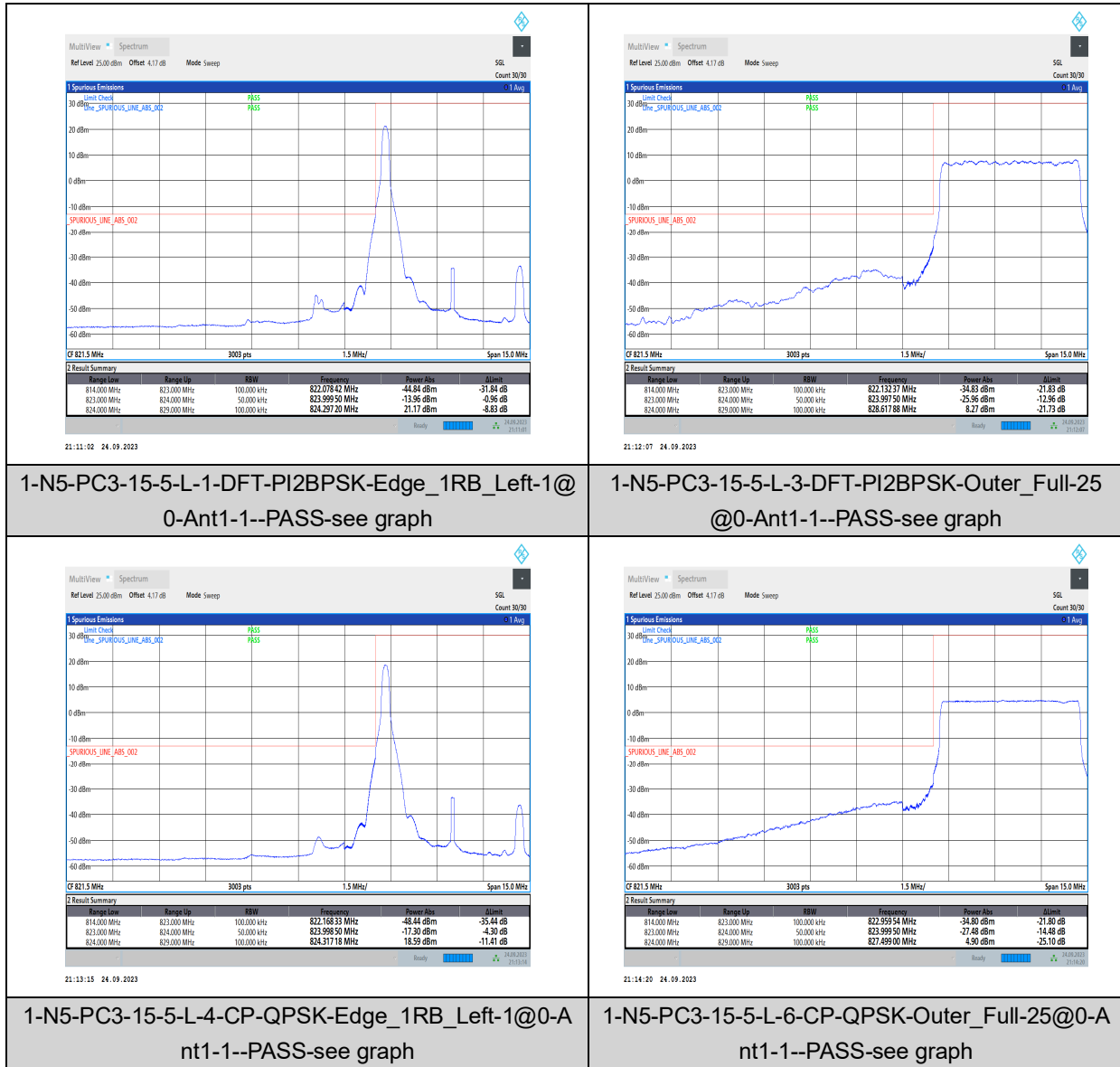
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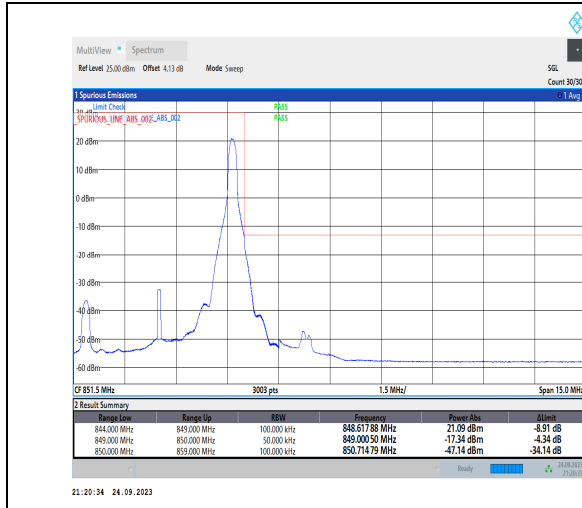
Test Graphs



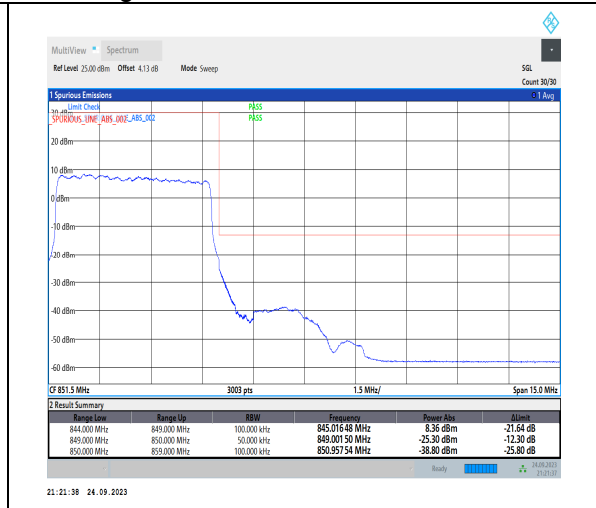
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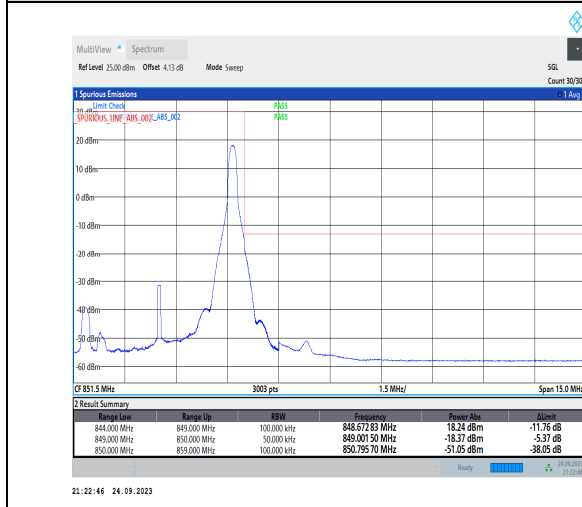
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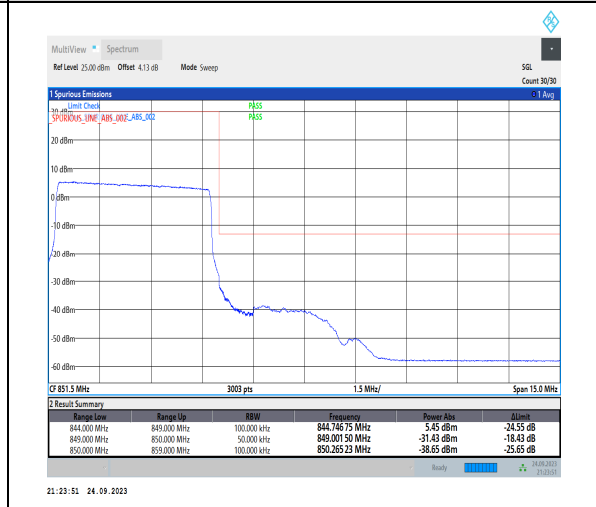
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1-N5-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant1-1--PASS-see graph



1-N5-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@2 4-Ant1-1--PASS-see graph



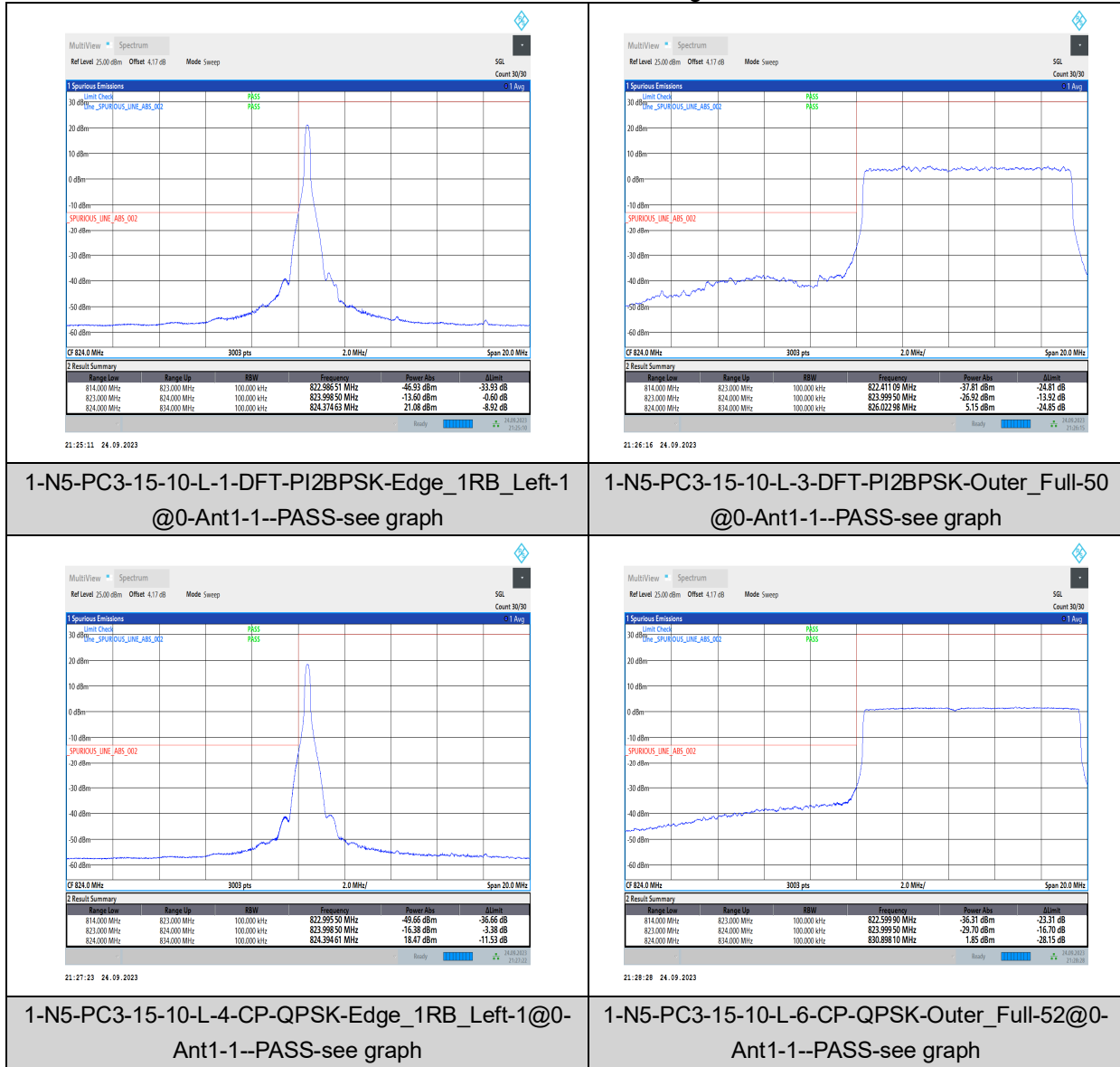
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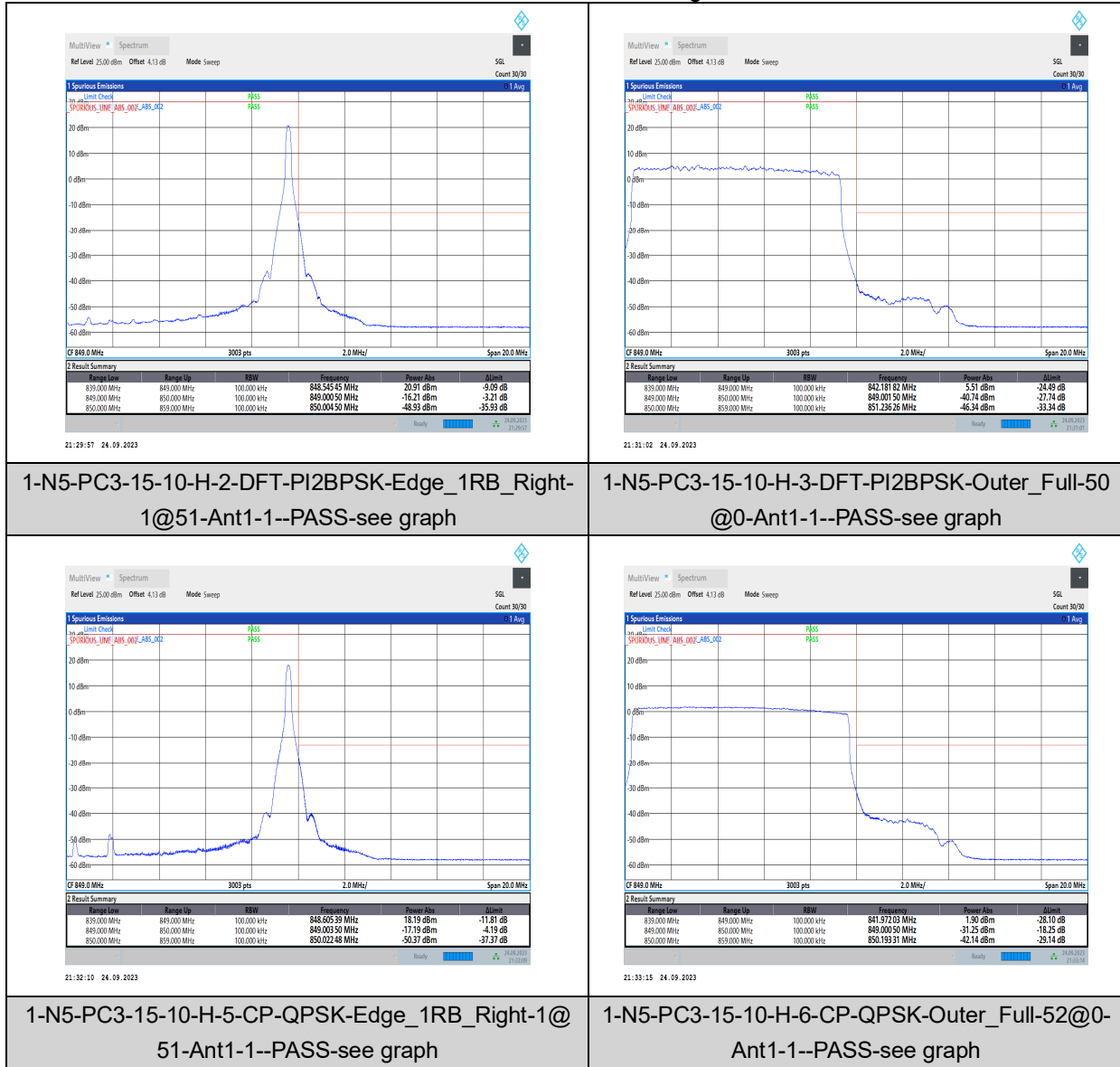
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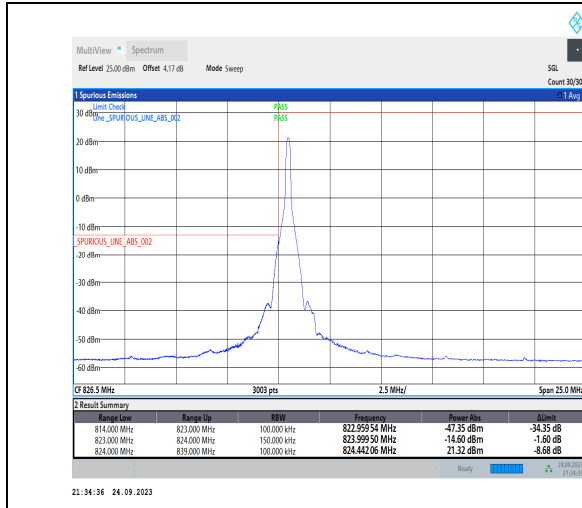
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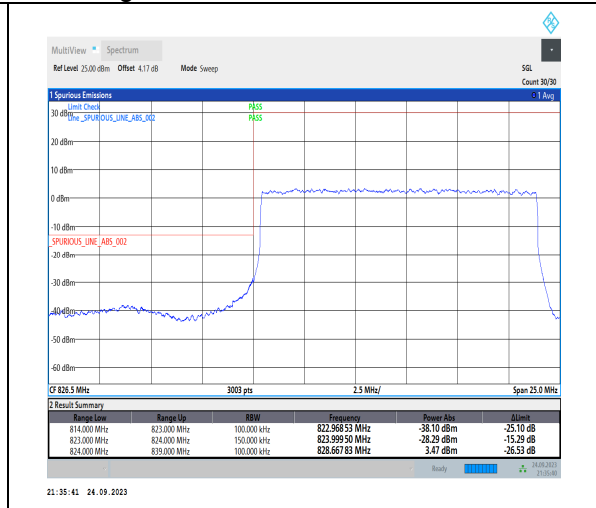
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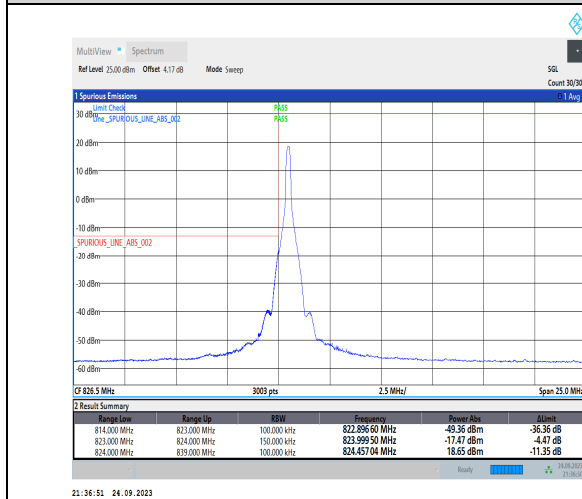
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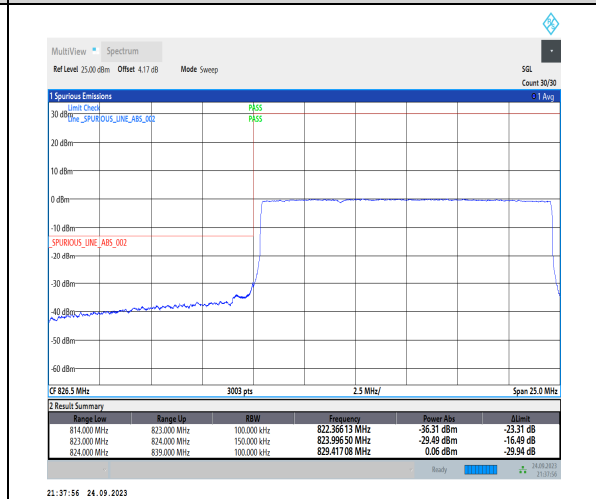
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1-N5-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75
@0-Ant1-1--PASS-see graph



1-N5-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-
Ant1-1--PASS-see graph



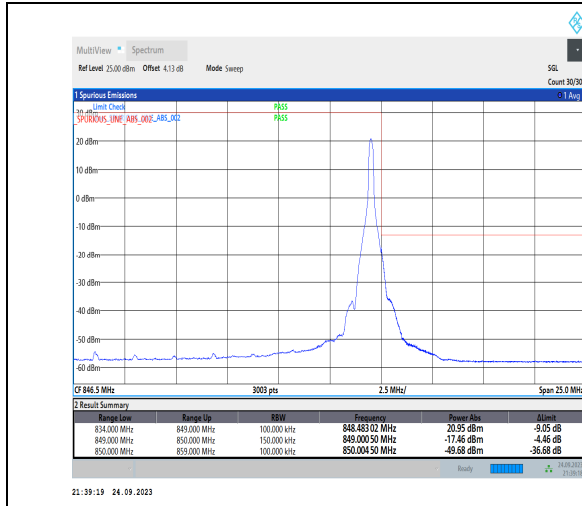
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Ant1-1--PASS-see graph



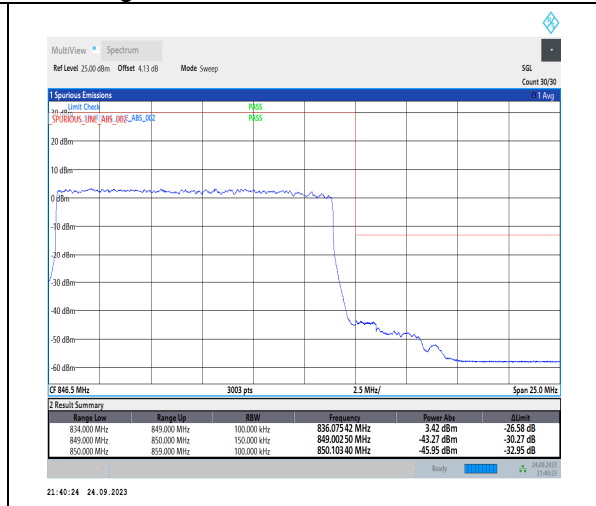
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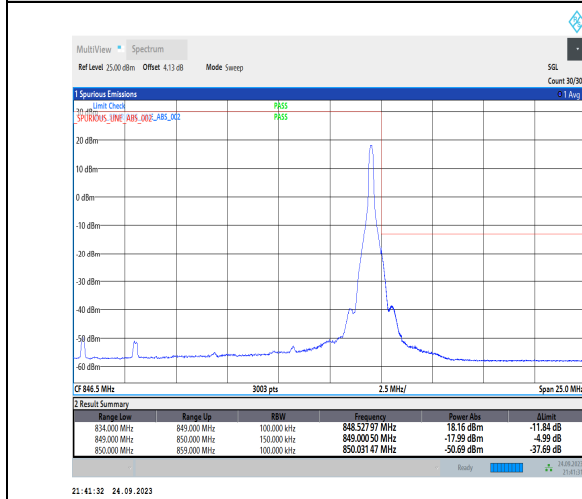
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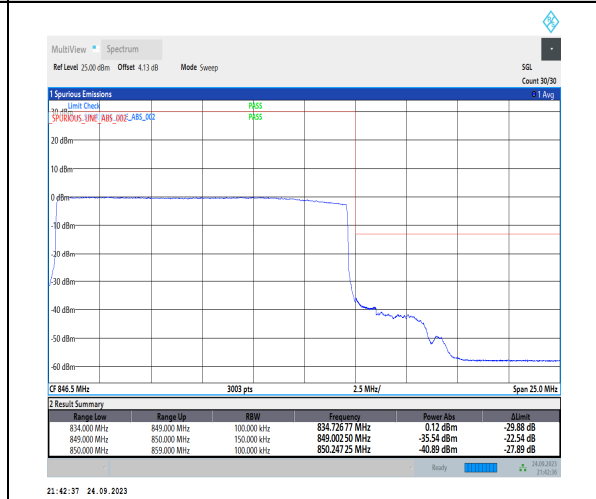
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1-N5-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



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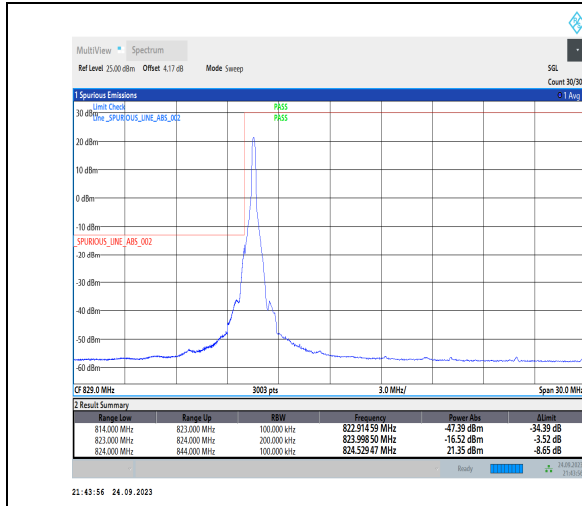
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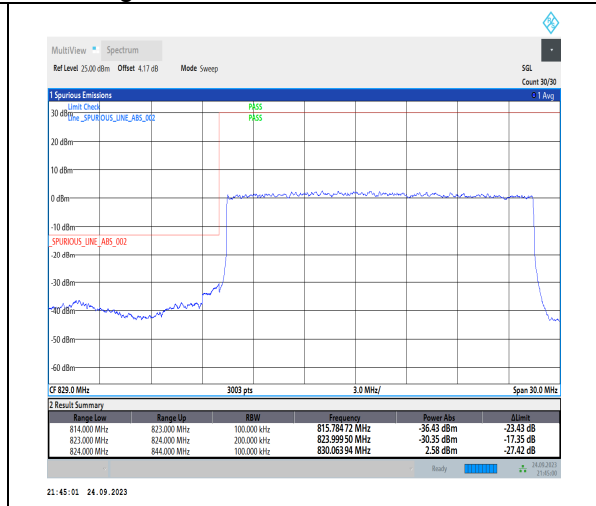
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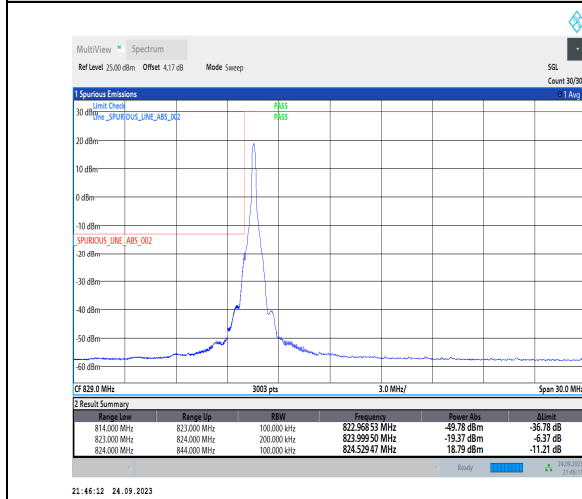
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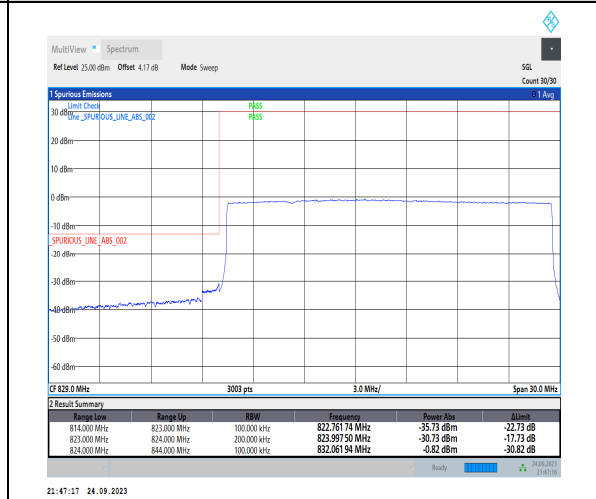
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1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-
Ant1-1--PASS-see graph



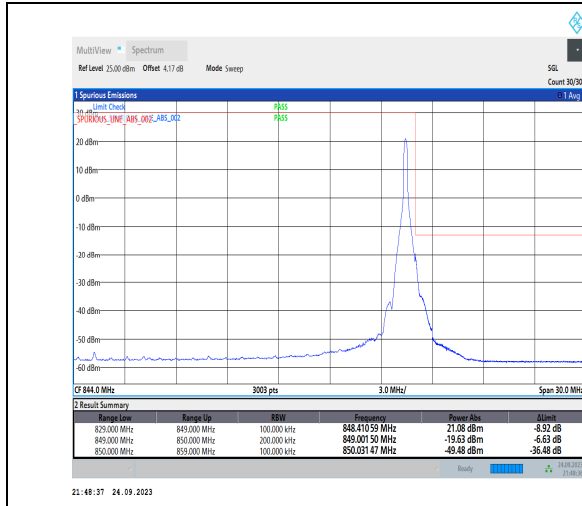
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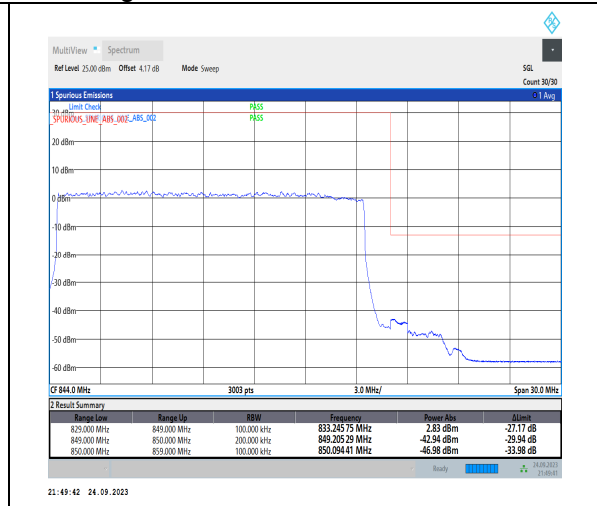
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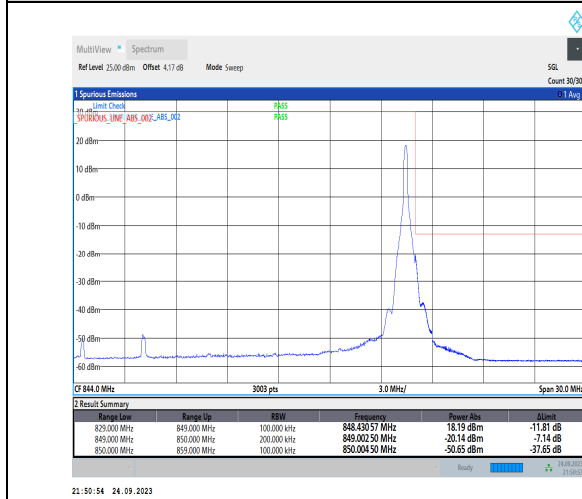
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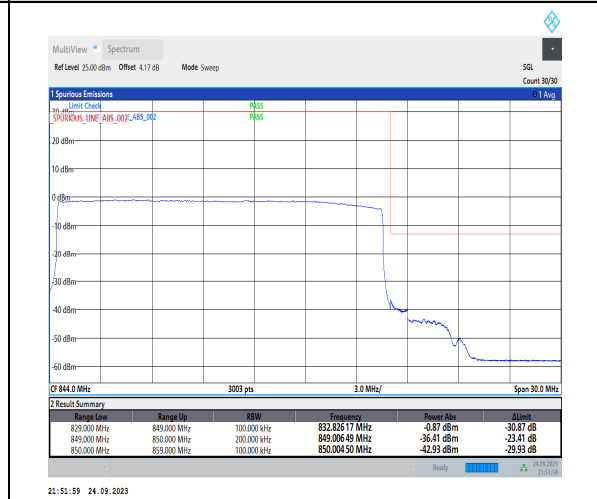
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1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



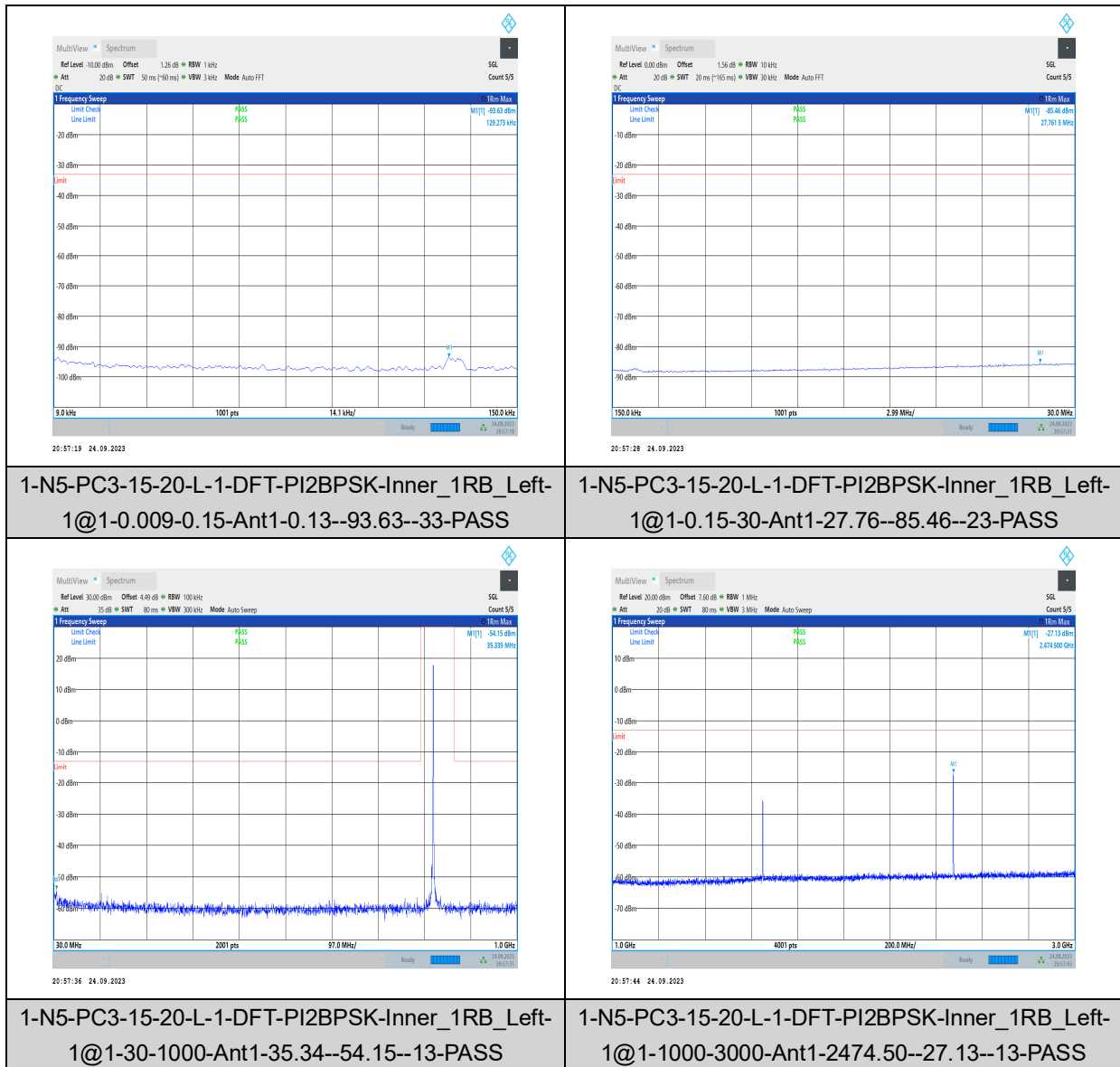
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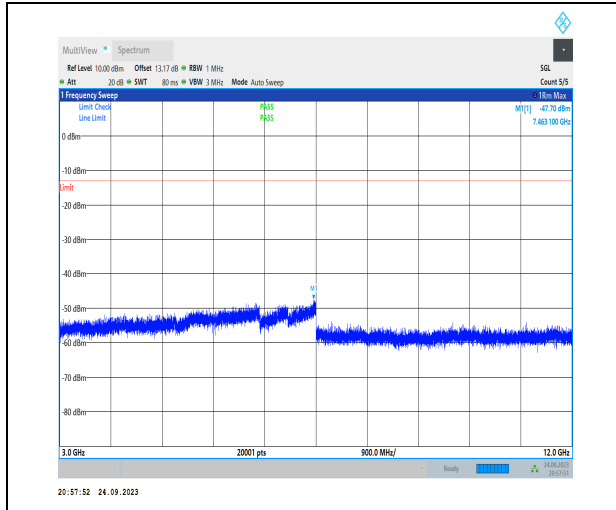
Test Graphs



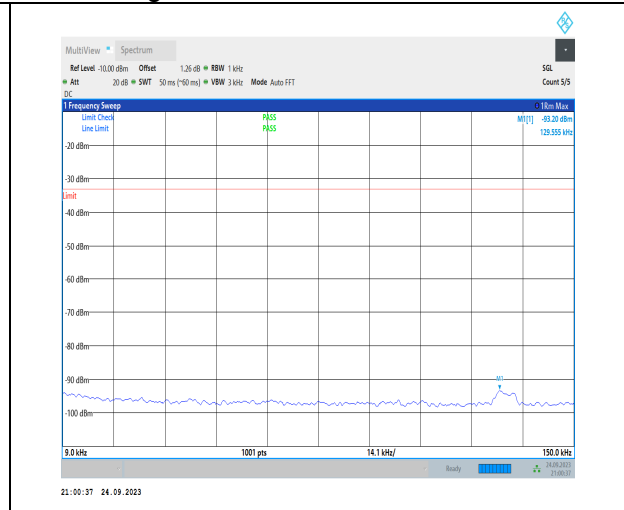
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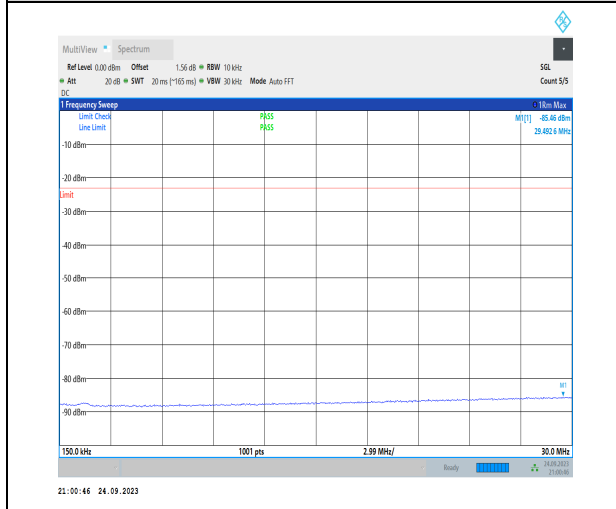
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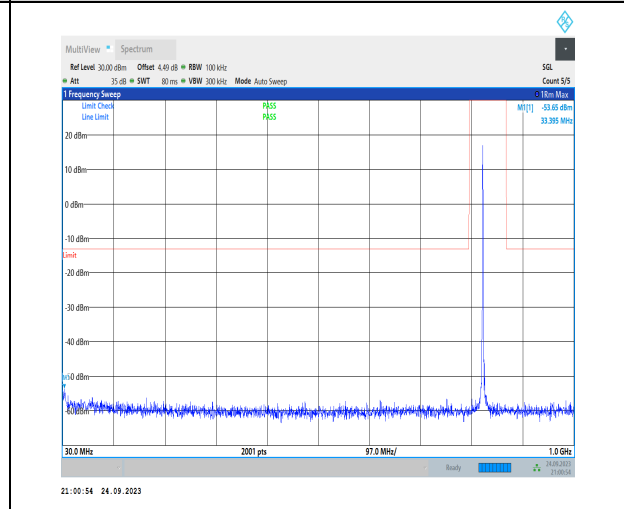
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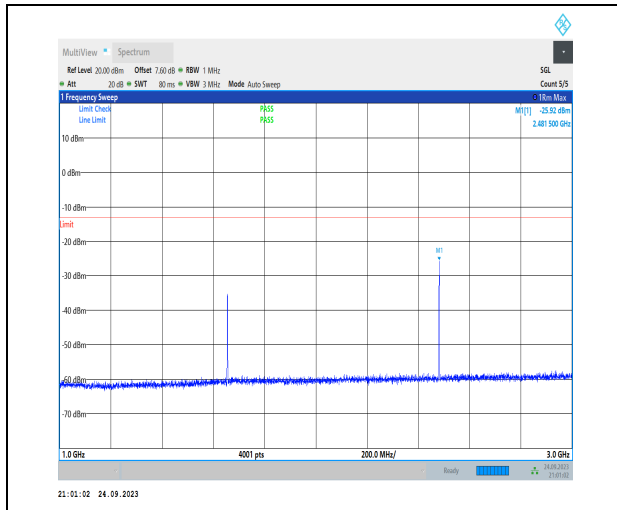
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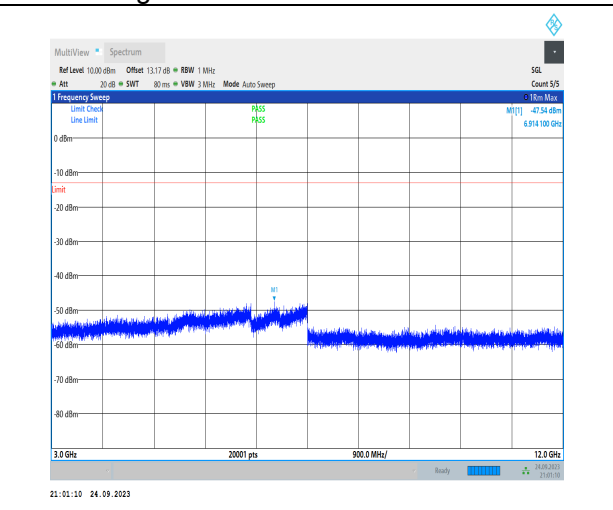
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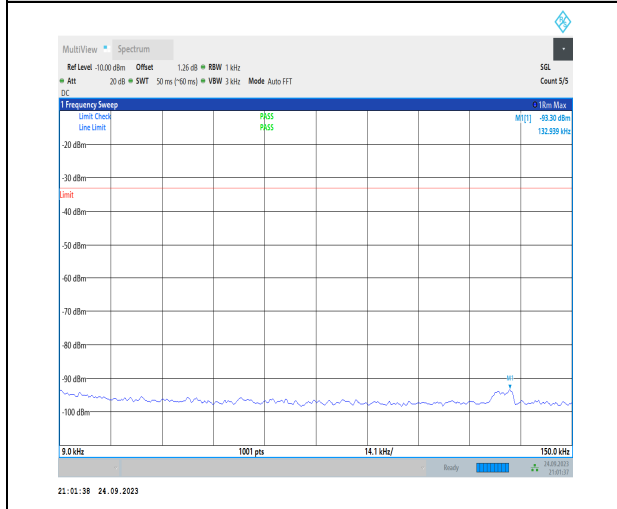
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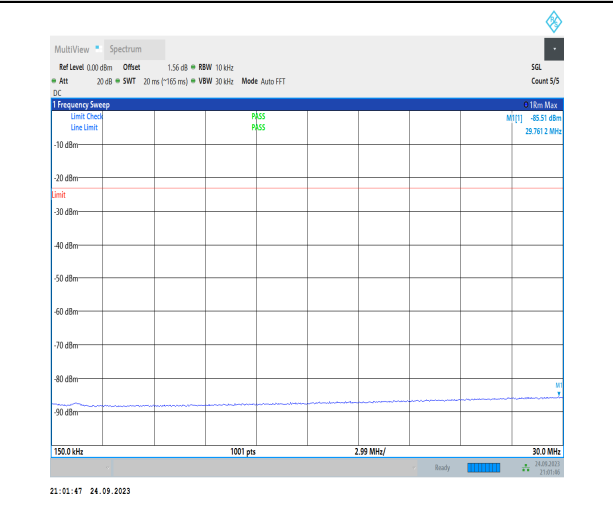
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-1@1-1000-3000-Ant1-2481.50--25.92--13-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-6914.10--47.54--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.009-0.15-Ant1-0.13--93.30--33-PASS



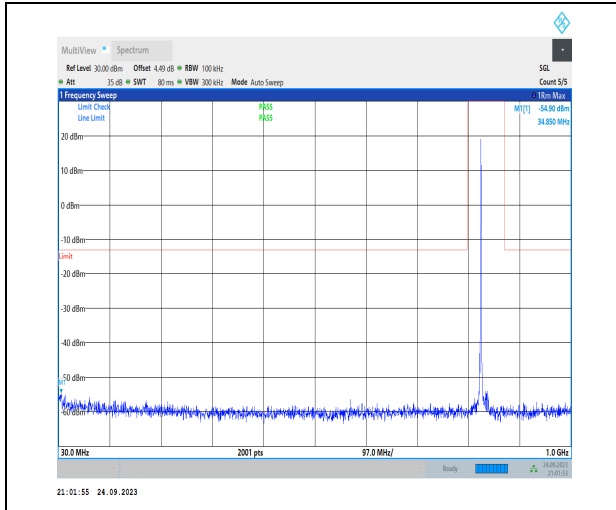
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-1@1-0.15-30-Ant1-29.76--85.51--23-PASS



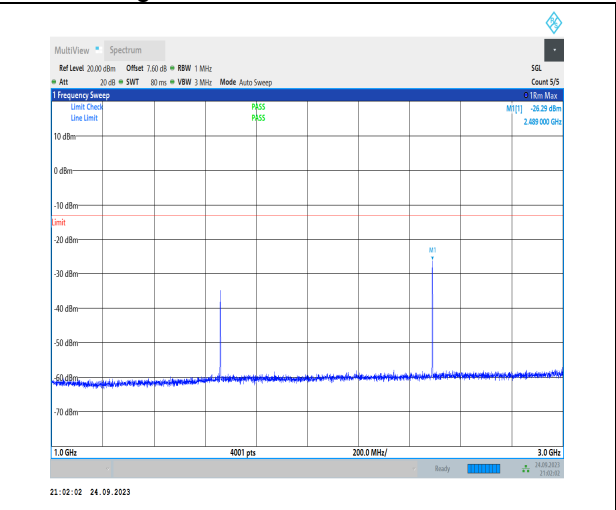
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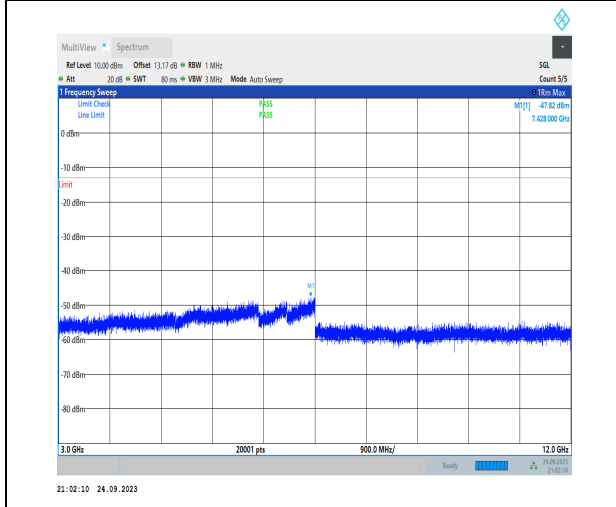
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-30-1000-Ant1-34.85--54.90--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-1000-3000-Ant1-2489.00--26.29--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-7428.00--47.82--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 5_ 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	1650.18	46.00	-49.82	25.30	-73.78	-13.00	60.78	Horizontal
2	2475.27	44.51	-49.04	27.27	-72.52	-13.00	59.52	Horizontal
3	3300.36	44.49	-48.63	28.62	-70.78	-13.00	57.78	Horizontal
4	4125.45	42.92	-48.29	29.63	-71.00	-13.00	58.00	Horizontal
5	4950.54	43.31	-48.06	31.38	-68.63	-13.00	55.63	Horizontal
6	5775.63	43.38	-47.67	32.76	-66.79	-13.00	53.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.18	45.03	-49.82	25.30	-74.75	-13.00	61.75	Vertical
2	2475.27	45.70	-49.04	27.27	-71.33	-13.00	58.33	Vertical
3	3300.36	44.54	-48.63	28.62	-70.73	-13.00	57.73	Vertical
4	4125.45	43.55	-48.29	29.63	-70.37	-13.00	57.37	Vertical
5	4950.54	43.29	-48.06	31.38	-68.65	-13.00	55.65	Vertical
6	5775.63	43.28	-47.67	32.76	-66.89	-13.00	53.89	Vertical



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Test Band = SA Band 5_ 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	1655.18	45.98	-49.81	25.32	-73.77	-13.00	60.77	Horizontal
2	2482.77	44.24	-49.00	27.28	-72.74	-13.00	59.74	Horizontal
3	3310.36	44.55	-48.64	28.62	-70.72	-13.00	57.72	Horizontal
4	4137.95	44.19	-48.30	29.65	-69.72	-13.00	56.72	Horizontal
5	4965.54	42.92	-48.03	31.42	-68.95	-13.00	55.95	Horizontal
6	5793.13	43.53	-47.71	32.76	-66.68	-13.00	53.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.18	45.47	-49.81	25.32	-74.28	-13.00	61.28	Vertical
2	2482.77	44.36	-49.00	27.28	-72.62	-13.00	59.62	Vertical
3	3310.36	44.96	-48.64	28.62	-70.31	-13.00	57.31	Vertical
4	4137.95	43.71	-48.30	29.65	-70.20	-13.00	57.20	Vertical
5	4965.54	43.36	-48.03	31.42	-68.51	-13.00	55.51	Vertical
6	5793.13	43.15	-47.71	32.76	-67.06	-13.00	54.06	Vertical



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Test Band = SA Band 5_ 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	1660.18	45.61	-49.80	25.34	-74.11	-13.00	61.11	Horizontal
2	2490.27	44.95	-48.95	27.29	-71.98	-13.00	58.98	Horizontal
3	3320.36	44.29	-48.64	28.63	-70.98	-13.00	57.98	Horizontal
4	4150.45	43.68	-48.31	29.67	-70.22	-13.00	57.22	Horizontal
5	4980.54	43.77	-48.00	31.45	-68.04	-13.00	55.04	Horizontal
6	5810.63	43.80	-47.65	32.76	-66.34	-13.00	53.34	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.18	45.75	-49.80	25.34	-73.97	-13.00	60.97	Vertical
2	2490.27	44.81	-48.95	27.29	-72.12	-13.00	59.12	Vertical
3	3320.36	44.67	-48.64	28.63	-70.60	-13.00	57.60	Vertical
4	4150.45	43.70	-48.31	29.67	-70.20	-13.00	57.20	Vertical
5	4980.54	43.55	-48.00	31.45	-68.26	-13.00	55.26	Vertical
6	5810.63	42.84	-47.65	32.76	-67.30	-13.00	54.30	Vertical



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Test Band = NSA DC_7A_n5A_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	5002.18	43.26	-48.01	31.51	-68.50	-25.00	43.50	Horizontal
2	7503.27	41.87	-46.11	36.80	-62.71	-25.00	37.71	Horizontal
3	10004.36	38.91	-41.71	38.50	-59.55	-25.00	34.55	Horizontal
4	12505.45	37.02	-39.84	38.90	-59.18	-25.00	34.18	Horizontal
5	15006.54	35.27	-38.03	40.09	-57.94	-25.00	32.94	Horizontal
6	17507.63	35.62	-36.82	42.15	-54.31	-25.00	29.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	43.22	-48.01	31.51	-68.54	-25.00	43.54	Vertical
2	7503.27	41.59	-46.11	36.80	-62.99	-25.00	37.99	Vertical
3	10004.36	39.22	-41.71	38.50	-59.24	-25.00	34.24	Vertical
4	12505.45	35.64	-39.84	38.90	-60.56	-25.00	35.56	Vertical
5	15006.54	35.13	-38.03	40.09	-58.08	-25.00	33.08	Vertical
6	17507.63	35.15	-36.82	42.15	-54.78	-25.00	29.78	Vertical



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Test Band = NSA DC_7A_n5A_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	5052.18	43.29	-47.91	31.63	-68.25	-25.00	43.25	Horizontal
2	7578.27	41.17	-44.91	36.71	-62.30	-25.00	37.30	Horizontal
3	10104.36	38.52	-41.88	38.59	-60.03	-25.00	35.03	Horizontal
4	12630.45	36.52	-39.08	38.82	-58.99	-25.00	33.99	Horizontal
5	15156.54	35.97	-37.42	39.80	-56.91	-25.00	31.91	Horizontal
6	17682.63	35.78	-37.64	43.27	-53.85	-25.00	28.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	43.45	-47.91	31.63	-68.09	-25.00	43.09	Vertical
2	7578.27	40.66	-44.91	36.71	-62.81	-25.00	37.81	Vertical
3	10104.36	38.28	-41.88	38.59	-60.27	-25.00	35.27	Vertical
4	12630.45	36.23	-39.08	38.82	-59.28	-25.00	34.28	Vertical
5	15156.54	36.32	-37.42	39.80	-56.56	-25.00	31.56	Vertical
6	17682.63	35.10	-37.64	43.27	-54.53	-25.00	29.53	Vertical



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Test Band = NSA DC_7A_n5A_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	5102.18	43.34	-47.82	31.75	-68.00	-25.00	43.00	Horizontal
2	7653.27	41.49	-44.91	36.62	-62.07	-25.00	37.07	Horizontal
3	10204.36	38.00	-42.10	38.68	-60.67	-25.00	35.67	Horizontal
4	12755.45	37.08	-39.29	38.75	-58.72	-25.00	33.72	Horizontal
5	15306.54	35.28	-37.87	39.52	-58.33	-25.00	33.33	Horizontal
6	17857.63	35.24	-36.85	44.39	-52.48	-25.00	27.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	43.28	-47.82	31.75	-68.06	-25.00	43.06	Vertical
2	7653.27	41.81	-44.91	36.62	-61.75	-25.00	36.75	Vertical
3	10204.36	38.76	-42.10	38.68	-59.91	-25.00	34.91	Vertical
4	12755.45	37.86	-39.29	38.75	-57.94	-25.00	32.94	Vertical
5	15306.54	35.42	-37.87	39.52	-58.19	-25.00	33.19	Vertical
6	17857.63	34.56	-36.85	44.39	-53.16	-25.00	28.16	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) - Pre-amplifier (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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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-13.600000	-0.016258	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.900000	0.007053	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.400000	-0.002869	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-18.700000	-0.022355	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-20.500000	-0.024507	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-6.500000	-0.007770	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-373.600000	-0.446623	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-111.900000	-0.133772	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-171.700000	-0.205260	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-210.000000	-0.251046	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-235.500000	-0.281530	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-266.800000	-0.318948	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-315.300000	-0.376928	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-62.200000	-0.074357	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-348.400000	-0.416497	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-80.000000	-0.095637	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-25.000000	-0.029886	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-38.300000	-0.045786	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-49.900000	-0.059653	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-52.400000	-0.062642	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-55.900000	-0.066826	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-56.300000	-0.067304	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-75.100000	-0.089779	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-19.400000	-0.023192	±2.5	PASS

---End of Attachment---



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