



Report No.: SEWM2308000313RG02

Rev.: 01

Page: 1 of 37

Appendix B.17

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	24.27	18.32	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	23.72	17.77	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	24.60	18.65	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.63	17.68	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	24.47	18.52	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.54	17.59	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	24.34	18.39	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.61	17.66	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	24.46	18.51	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.72	17.77	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	24.69	18.74	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.76	17.81	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.62	17.67	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	24.27	18.32	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.66	17.71	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	24.22	18.27	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.27	17.32	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	24.47	18.52	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.44	17.49	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.21	18.26	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.26	18.31	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.76	17.81	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	24.37	18.42	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	24.62	18.67	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.47	17.52	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.49	17.54	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.57	17.62	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.80	16.85	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.68	15.73	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	21.85	15.90	38.45	PASS



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Table with 10 columns: Test ID, Frequency, Bandwidth, Modulation, Order, Test Method, Mean, Min, Max, Result. Contains 40 rows of test data.



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Peak-to-Average Ratio for SA

Test Result

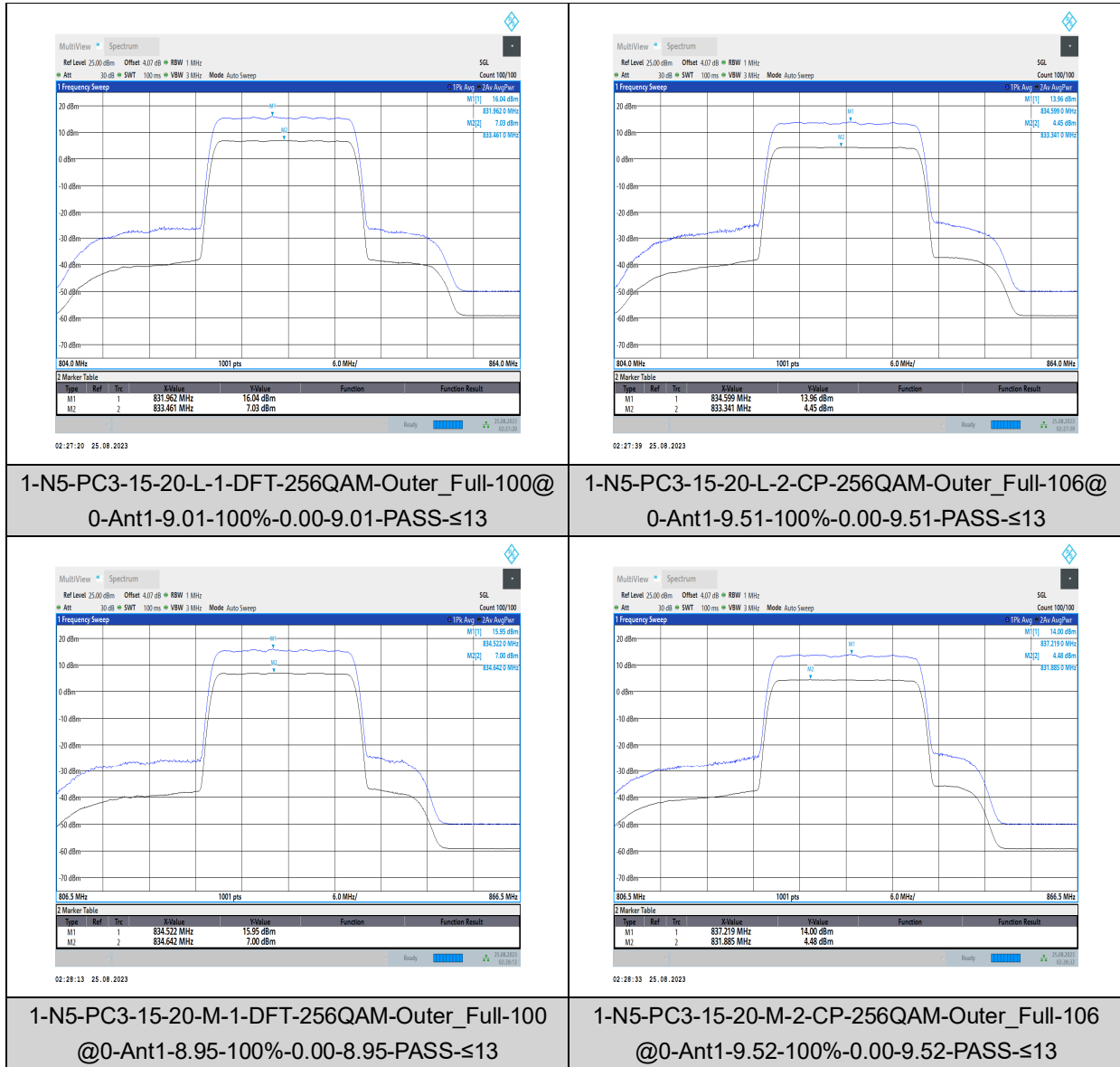
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	9.01	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	9.51	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	8.95	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	9.52	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	9.35	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	9.55	≤13	PASS



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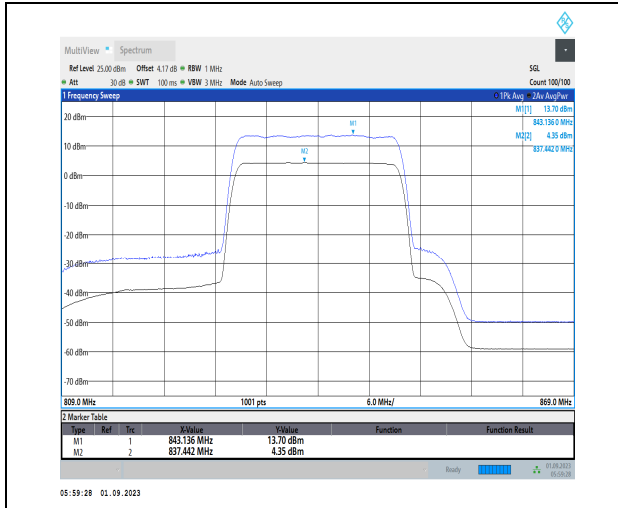
Test Graphs



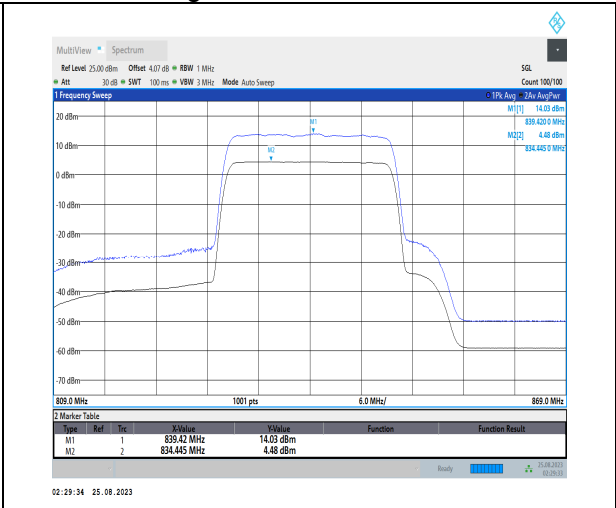
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1-N5-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100
@0-Ant1-9.35-100%-0.00-9.35-PASS-≤13



1-N5-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@
0-Ant1-9.55-100%-0.00-9.55-PASS-≤13



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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	4.458	4.780	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.459	4.800	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.472	4.810	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.451	4.760	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.486	4.780	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.469	4.810	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.473	4.810	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.477	4.820	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.47	4.760	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.914	9.420	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.92	9.440	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.919	9.440	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.929	9.400	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.952	9.420	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.29	9.760	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.282	9.760	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.279	9.700	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.274	9.740	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.41	14.100	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.466	14.100	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.424	14.130	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.403	14.130	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.433	14.130	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.127	14.850	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.153	14.760	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.092	14.820	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.091	14.760	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.917	18.760	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.869	18.600	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.879	18.680	PASS



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Report No.: SEWM2308000313RG02

Rev.: 01

Page: 8 of 37

N5	15	20	DFT-64QAM	M	Outer_Full	17.892	18.640	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.88	18.640	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.92	19.800	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.955	19.720	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.945	19.760	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.917	19.720	PASS



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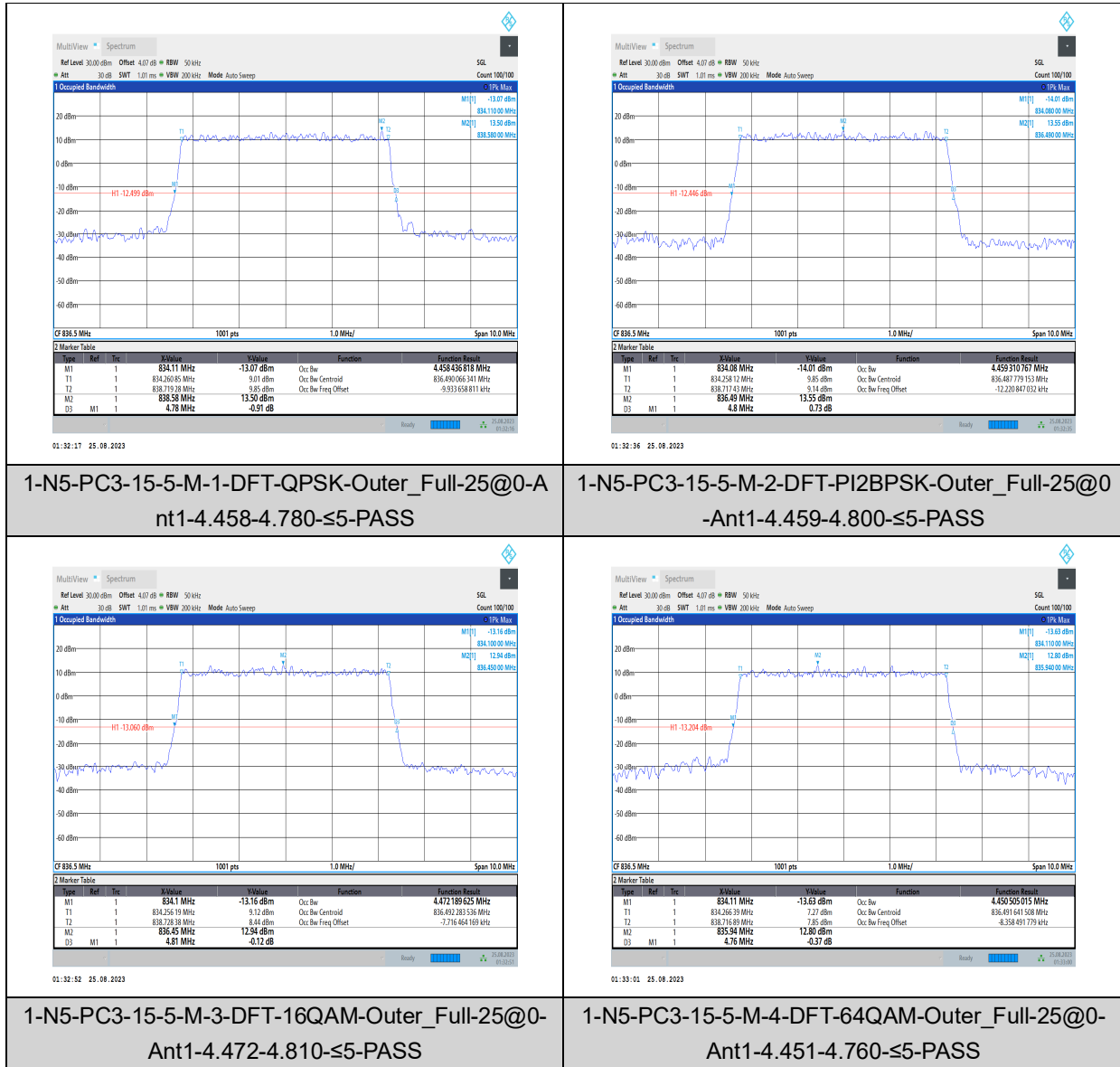
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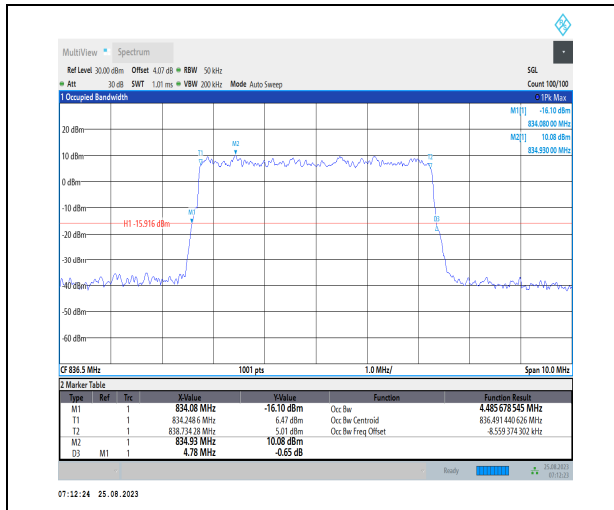
Test Graphs



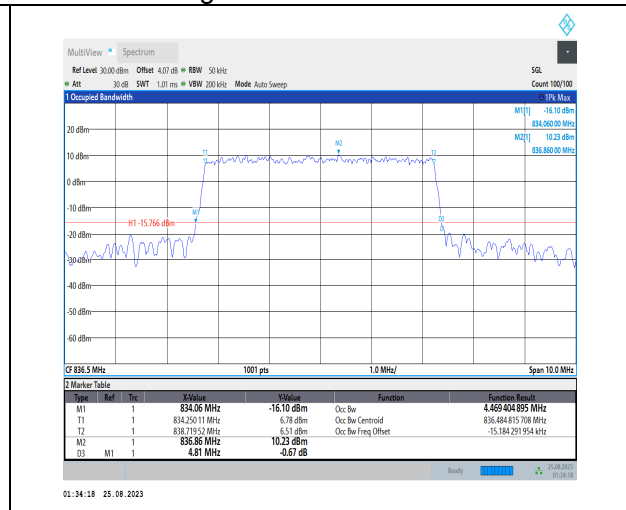
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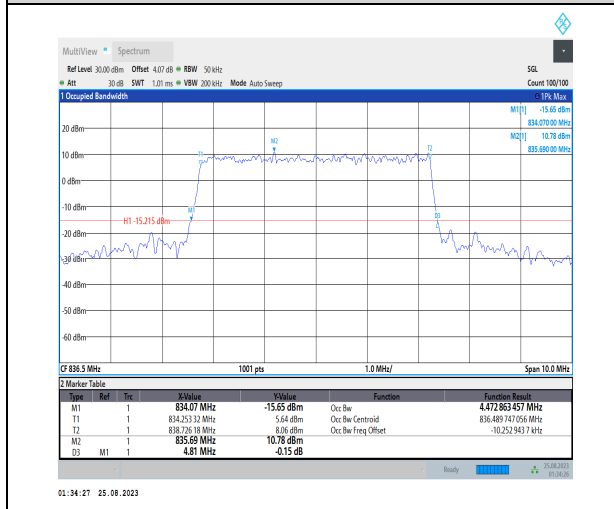
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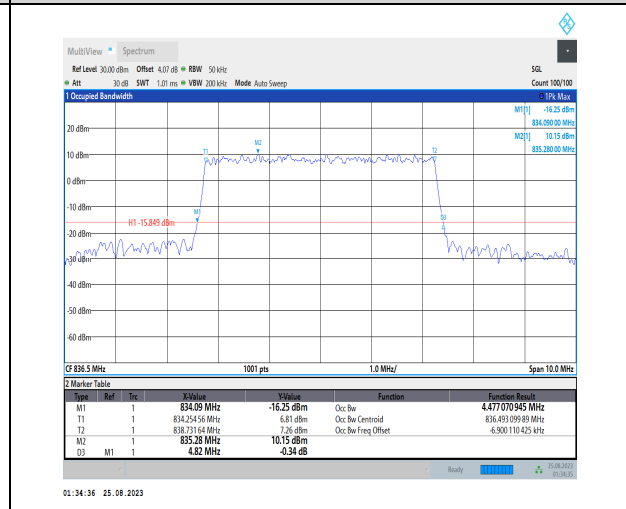
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1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant 1-4.469-4.810-≤5-PASS



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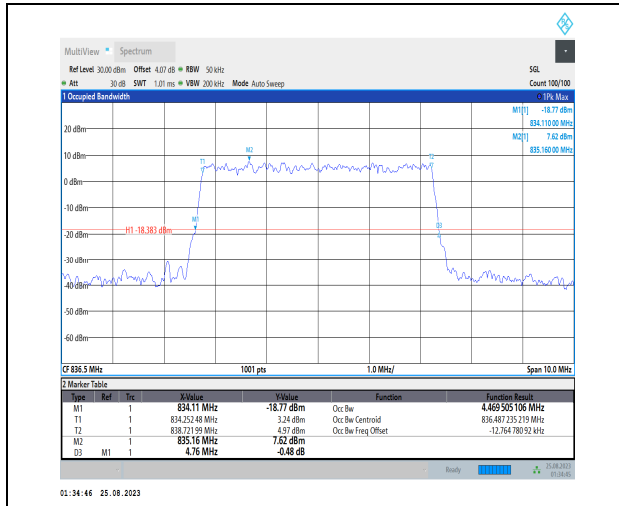
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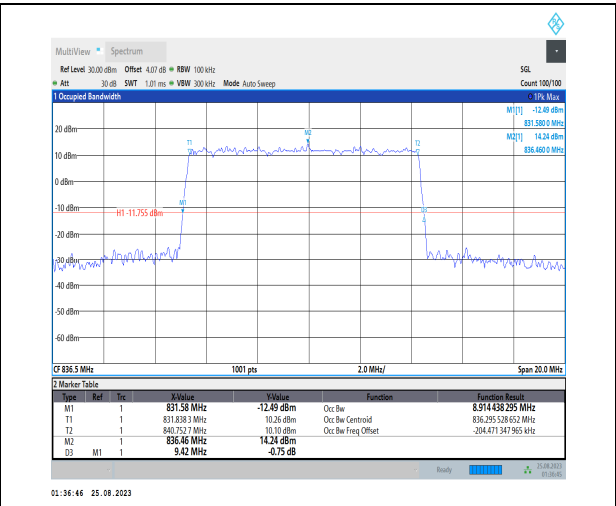
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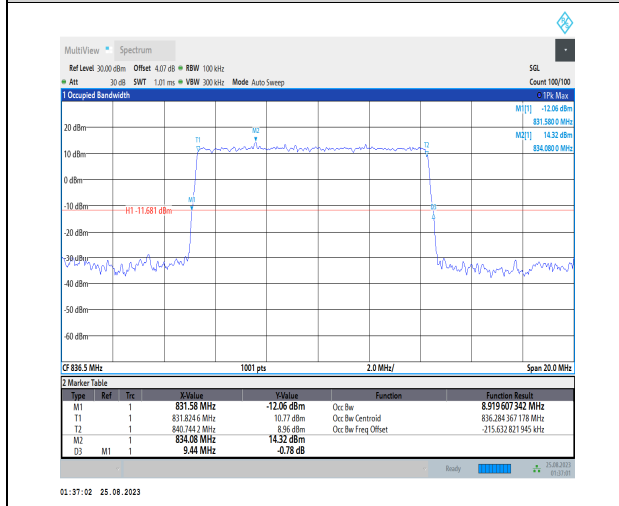
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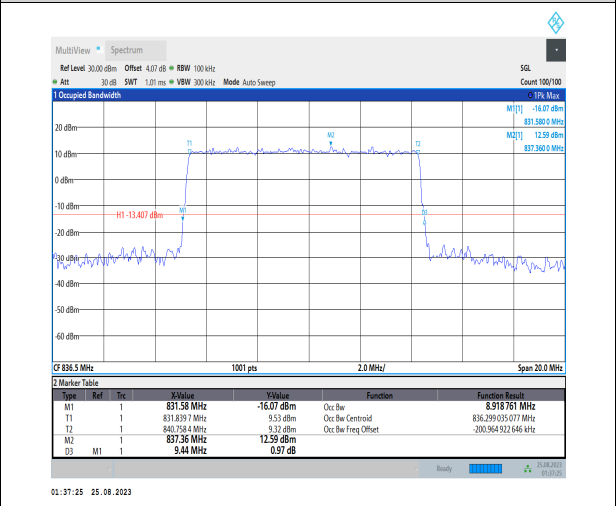
1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.47-4.760-≤5-PASS



1-N5-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.914-9.420-≤10-PASS



1-N5-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.92-9.440-≤10-PASS



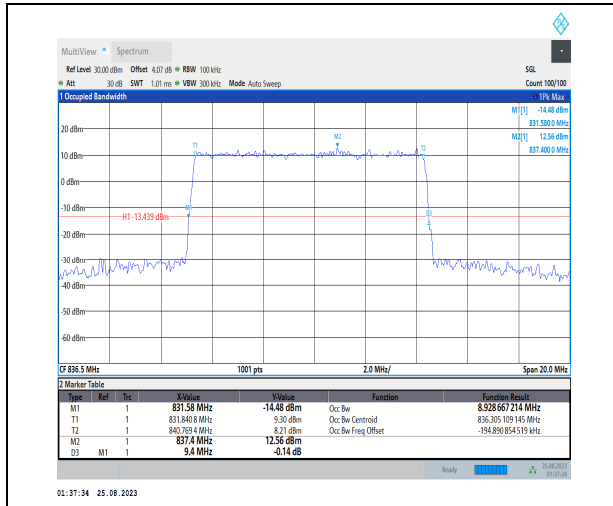
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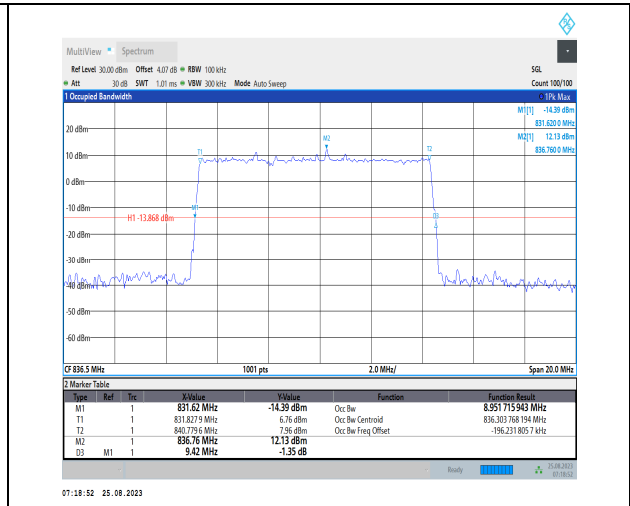
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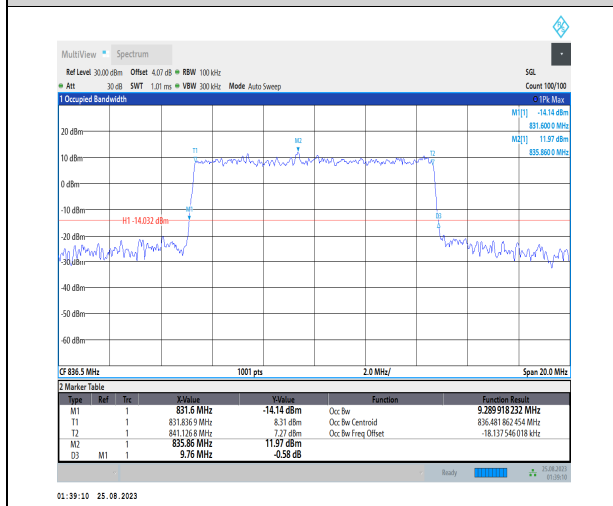
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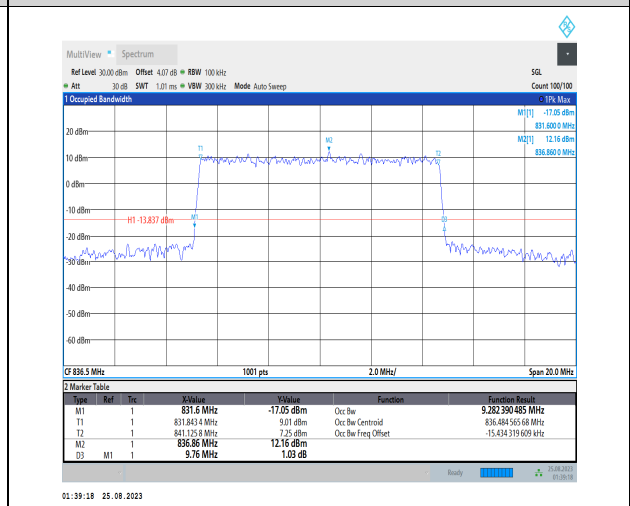
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1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.952-9.420-≤10-PASS



1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.29-9.760-≤10-PASS

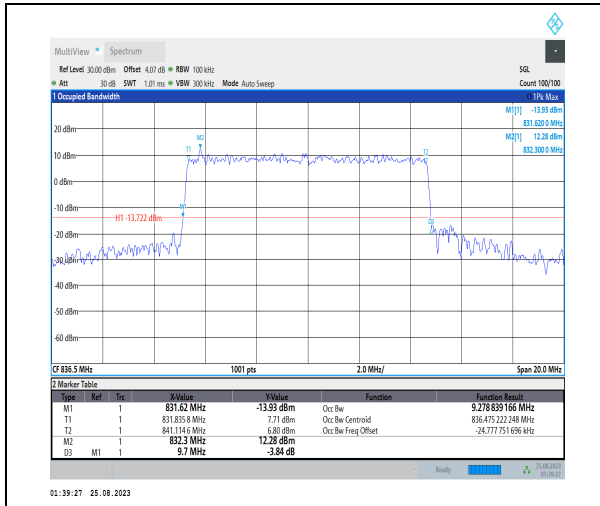


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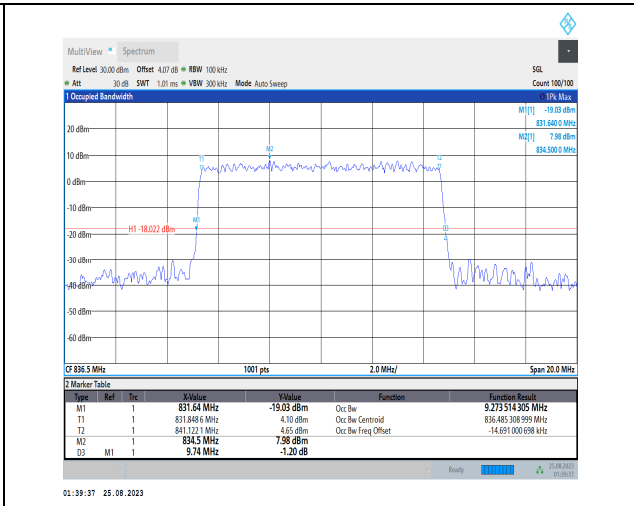


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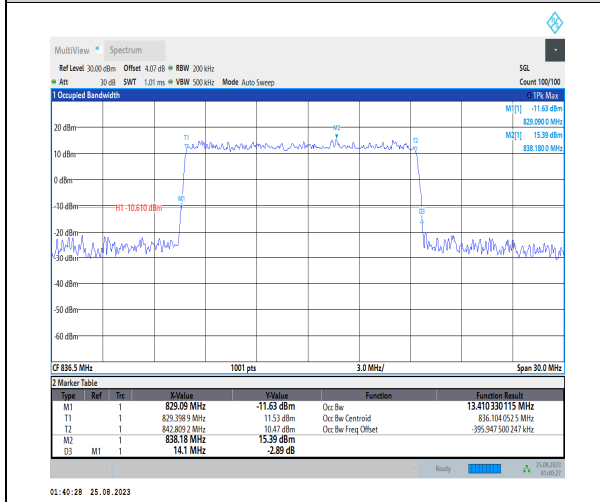
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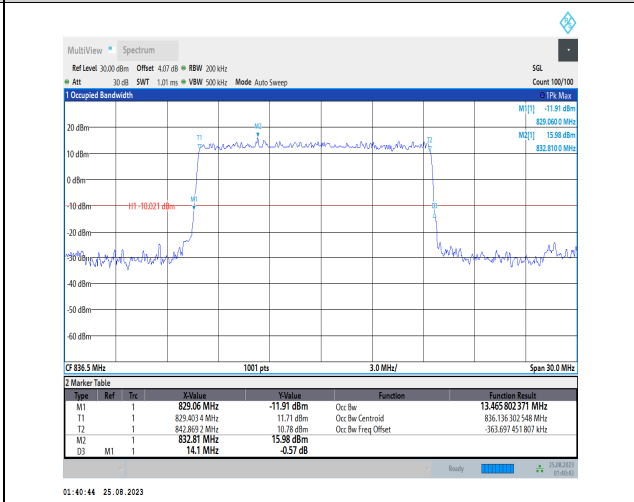
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-Ant1-9.279-9.700-≤10-PASS



1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-
Ant1-9.274-9.740-≤10-PASS



1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0
-Ant1-13.41-14.100-≤15-PASS



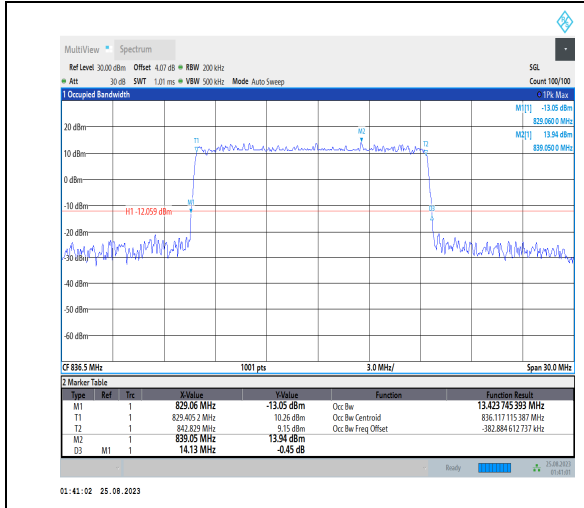
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-Ant1-13.466-14.100-≤15-PASS



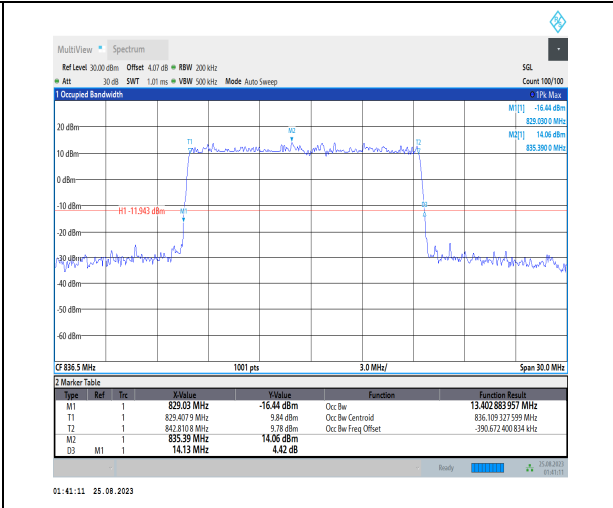
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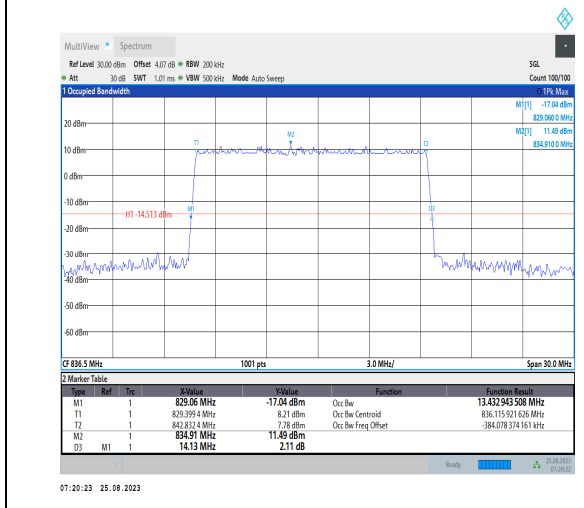
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1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.424-14.130-≤15-PASS



1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.403-14.130-≤15-PASS



1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.433-14.130-≤15-PASS



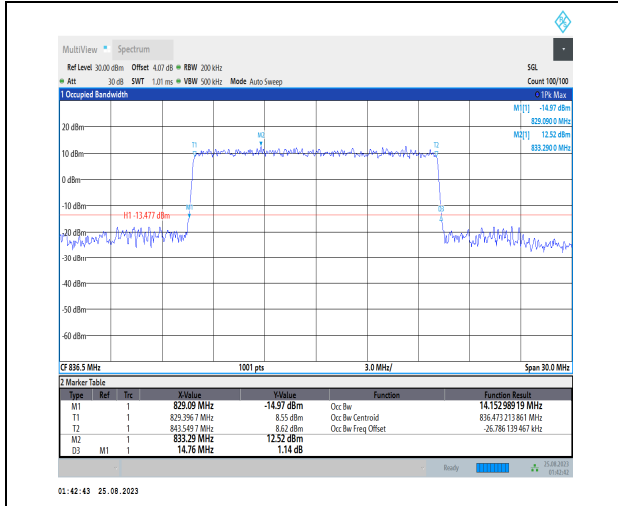
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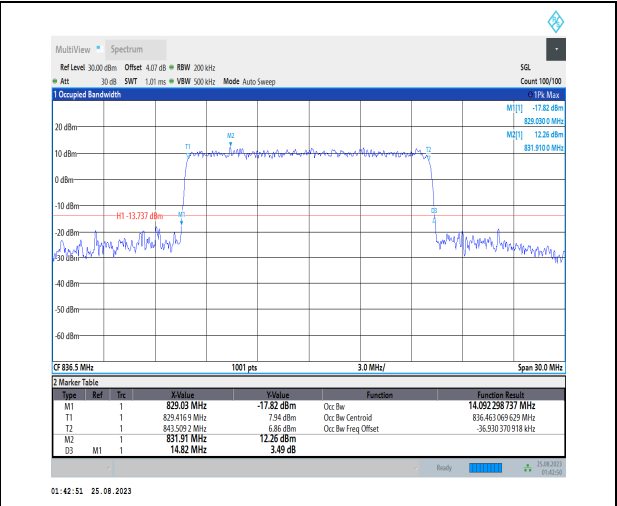
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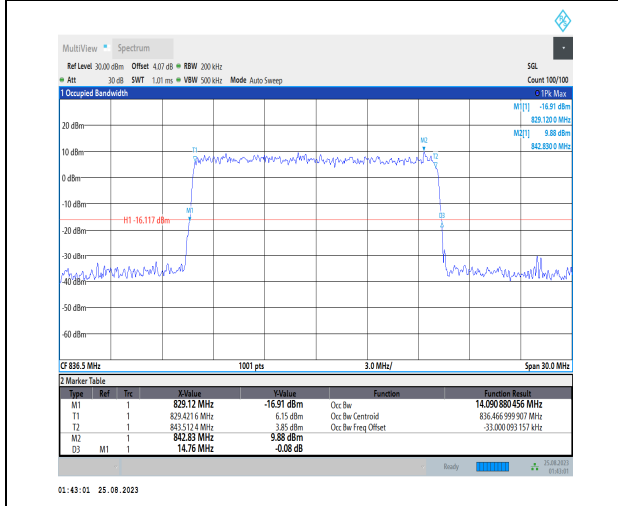
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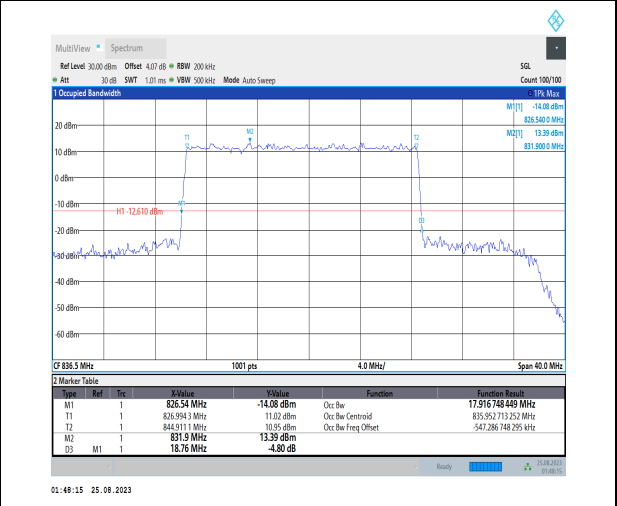
1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.153-14.760-≤15-PASS



1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.092-14.820-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.091-14.760-≤15-PASS



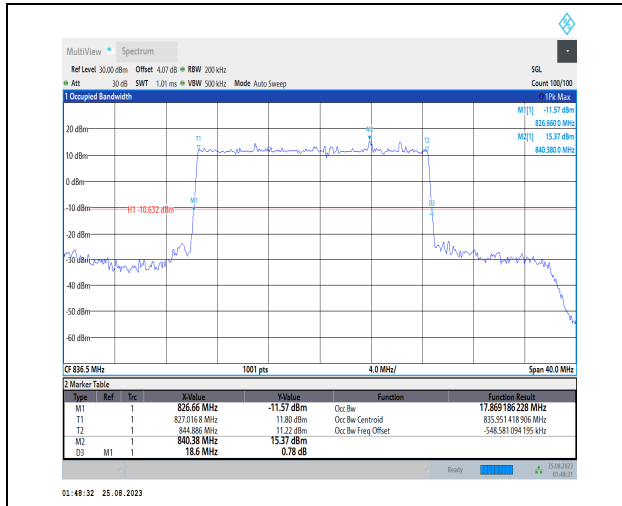
1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.917-18.760-≤20-PASS



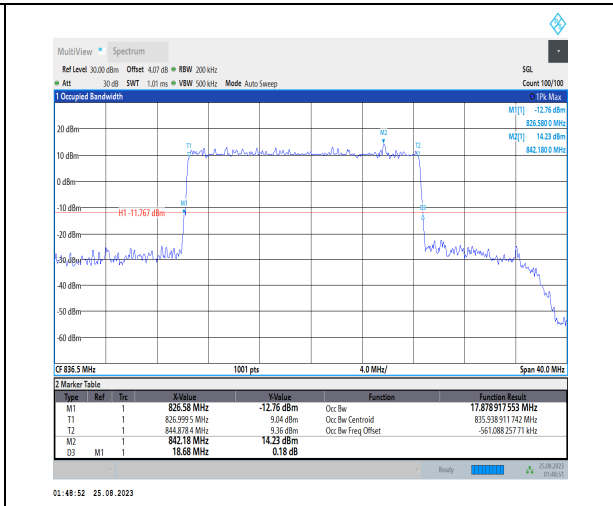
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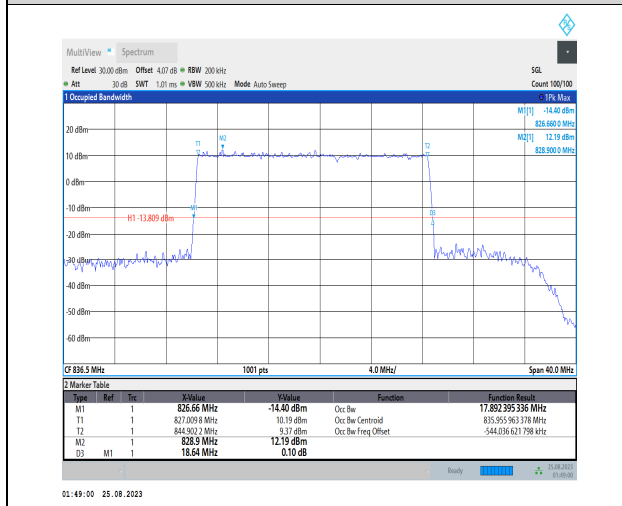
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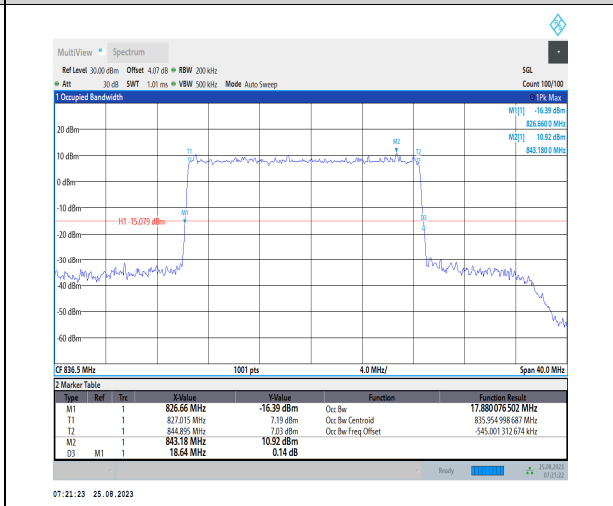
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1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100 @0-Ant1-17.879-18.680-<20-PASS



1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100 @0-Ant1-17.892-18.640-<20-PASS



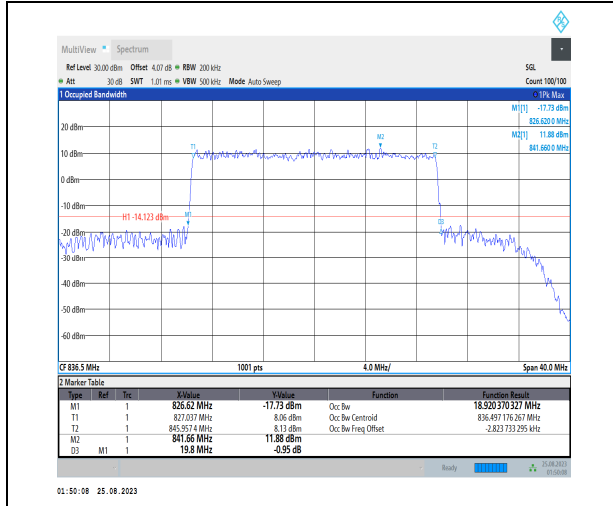
1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100 @0-Ant1-17.88-18.640-<20-PASS



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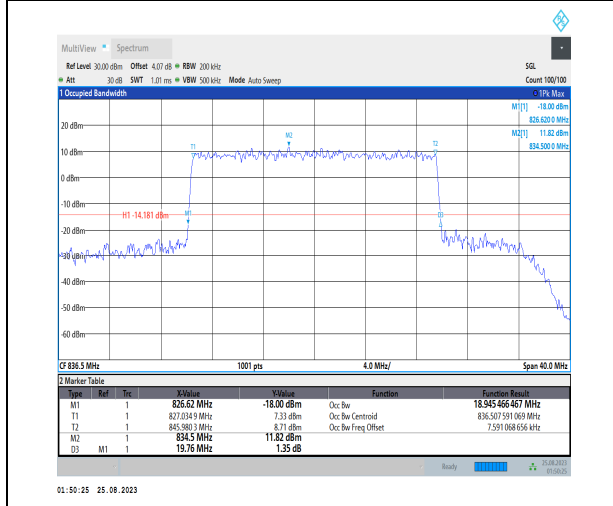
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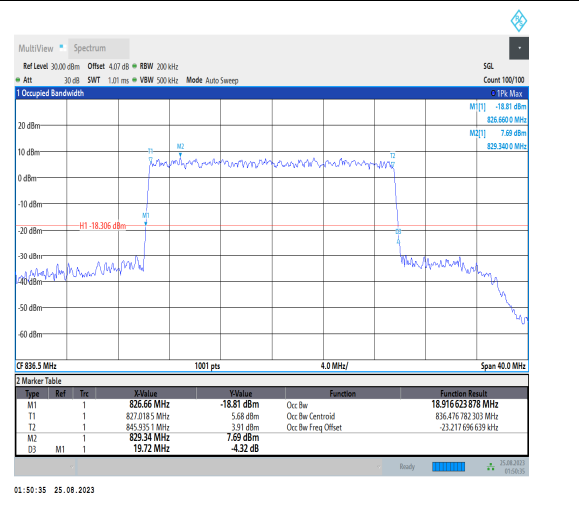
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1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-18.955-19.720-≤20-PASS



1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-18.945-19.760-≤20-PASS



1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-18.917-19.720-≤20-PASS



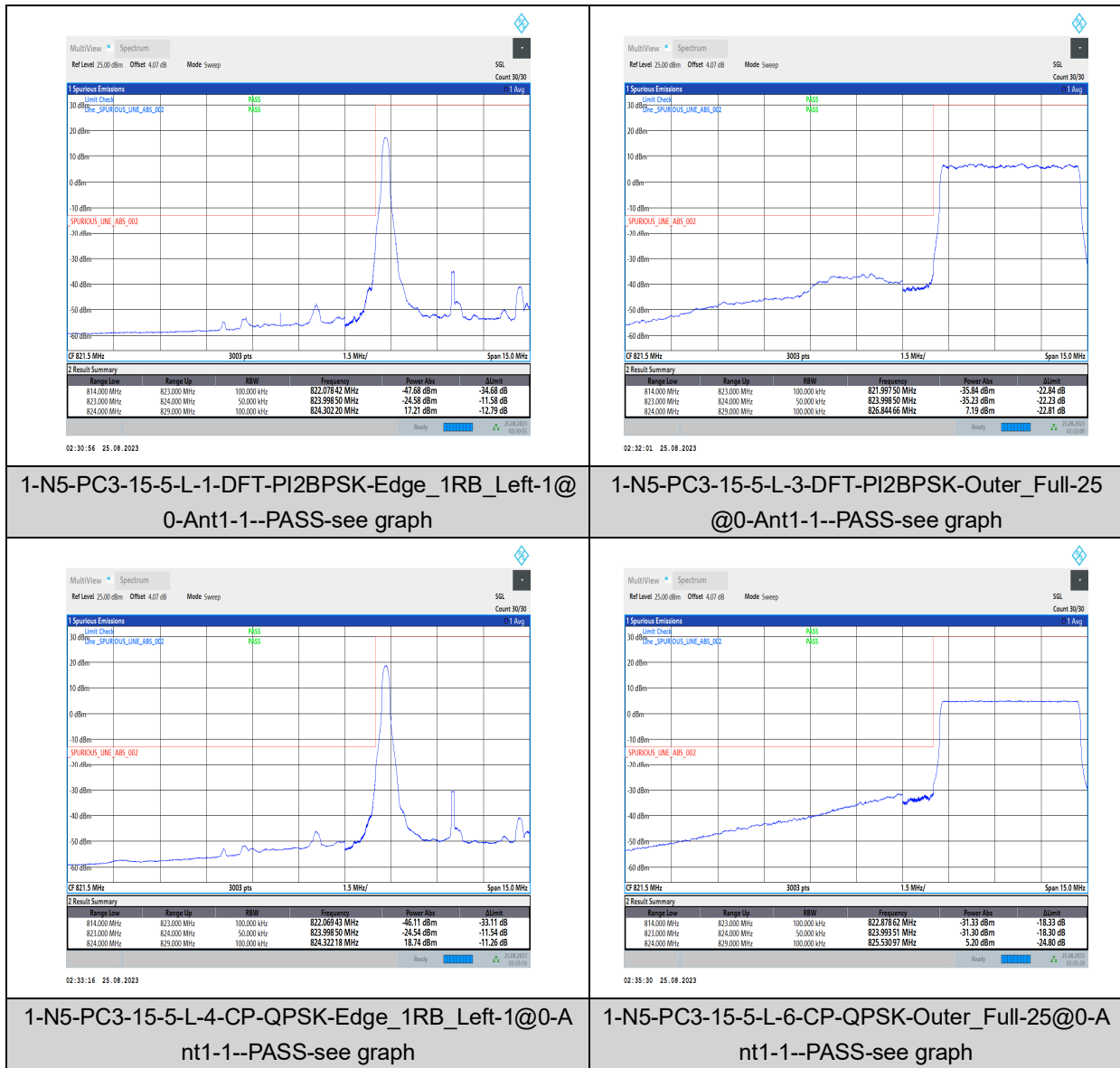
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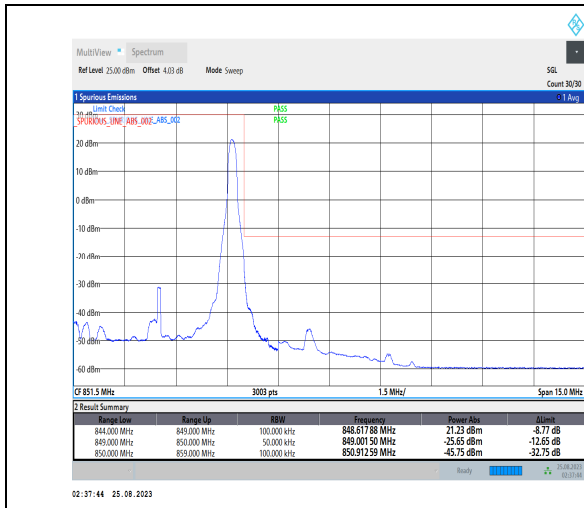
Test Graphs



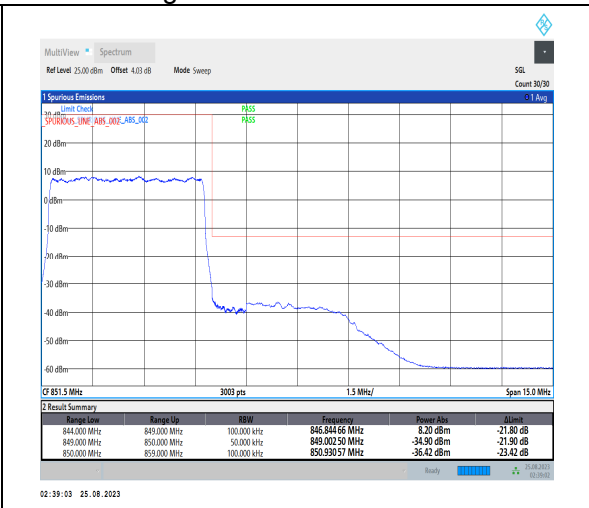
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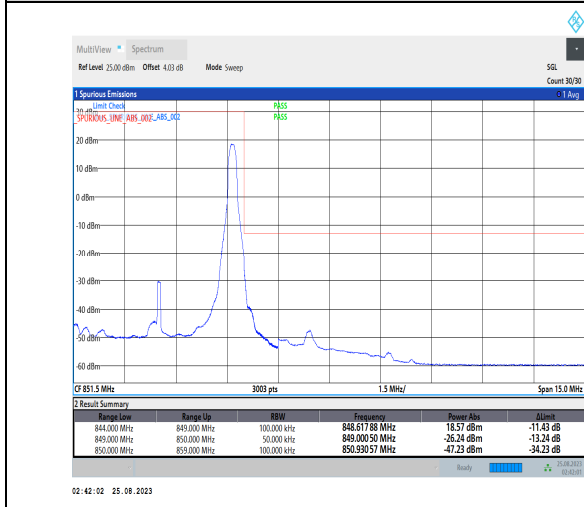
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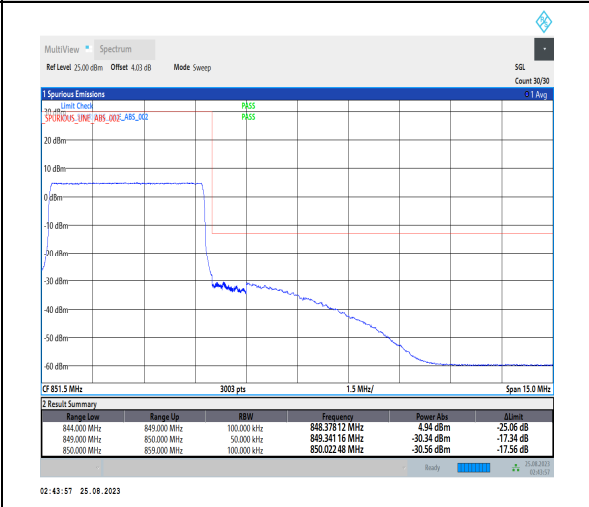
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@24-Ant1-1--PASS-see graph



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@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



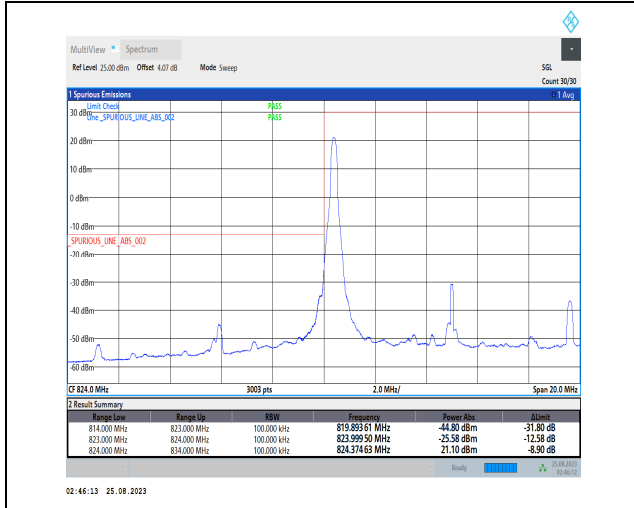
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Ant1-1--PASS-see graph



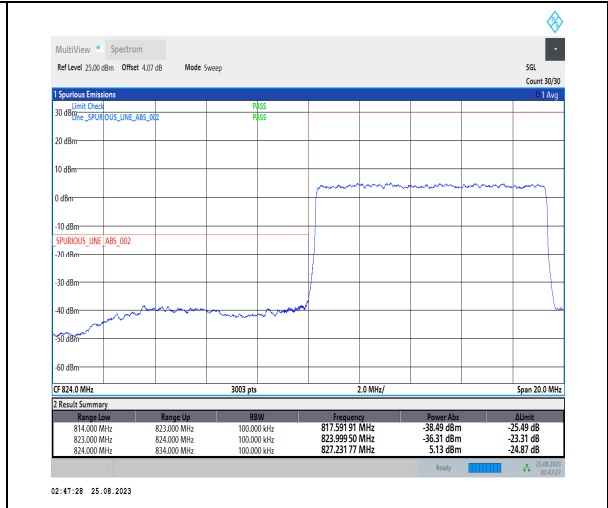
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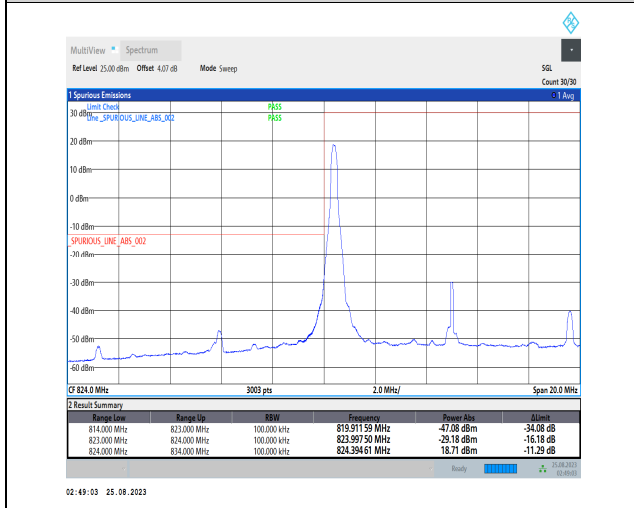
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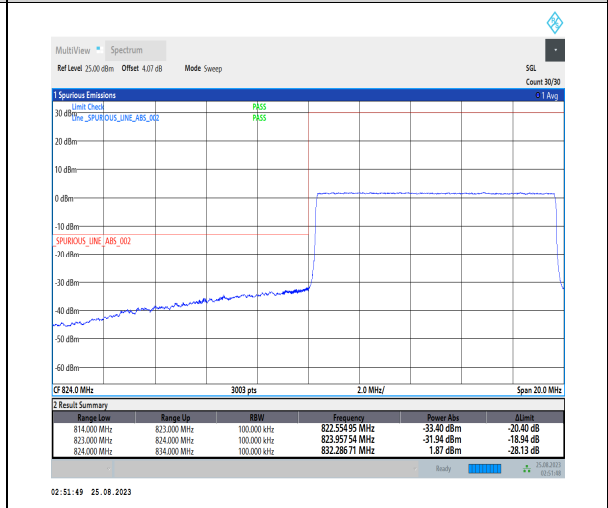
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1-N5-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-1--PASS-see graph



1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



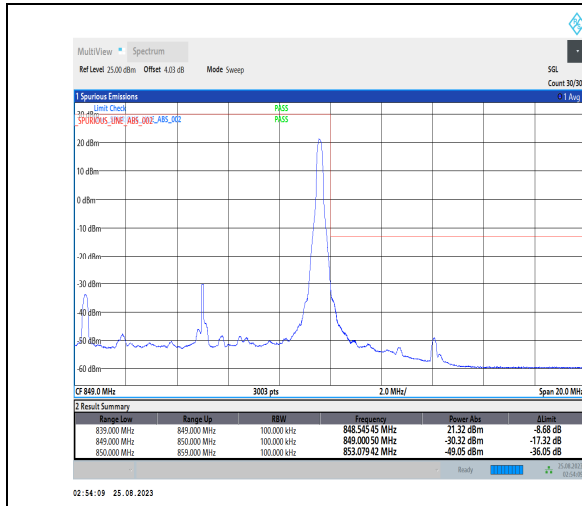
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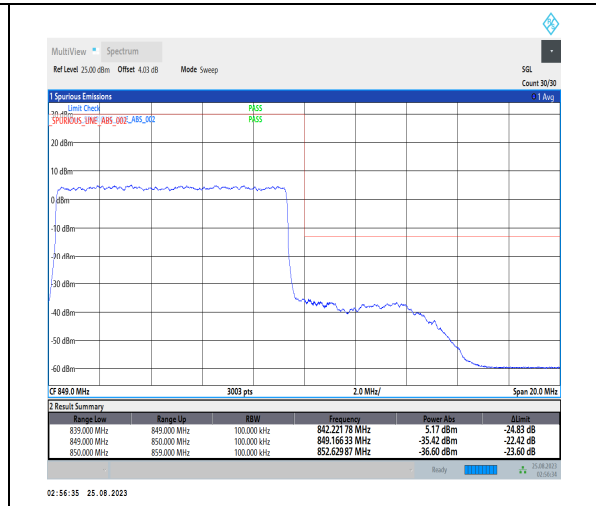
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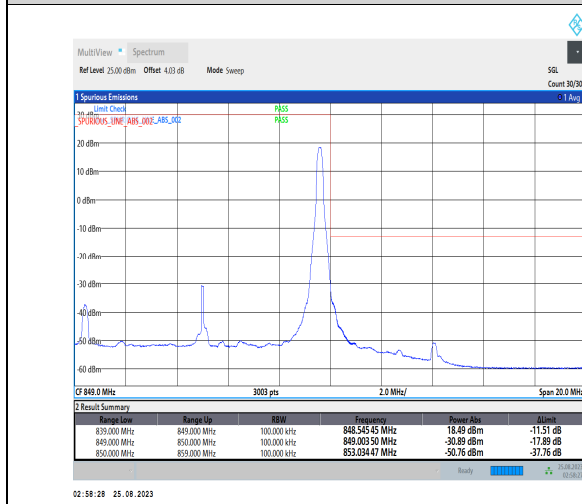
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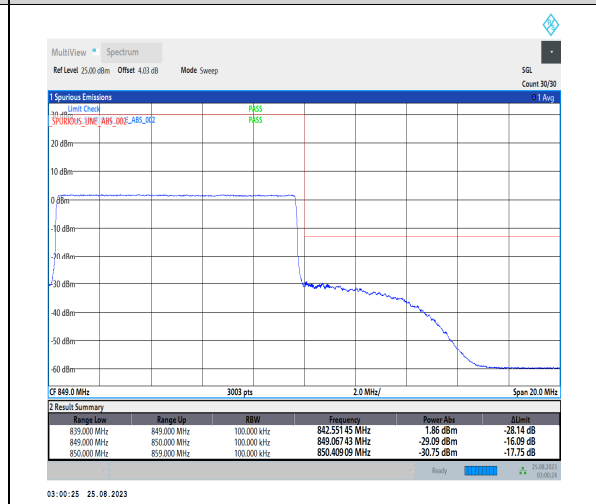
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1-N5-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



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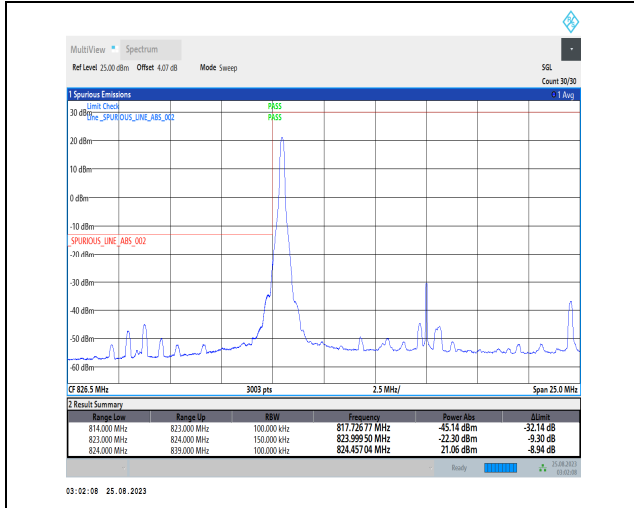
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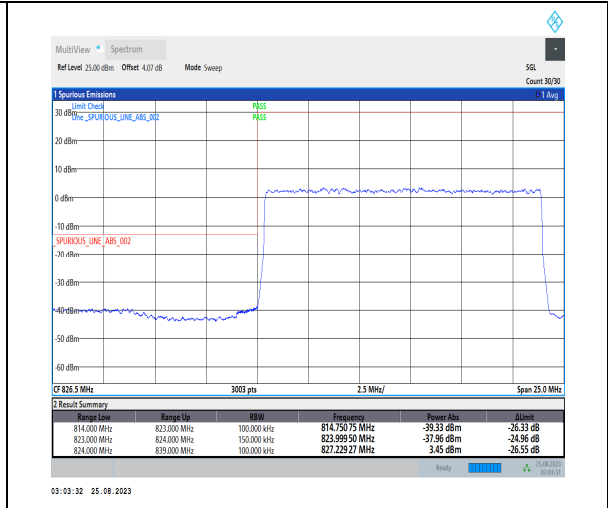
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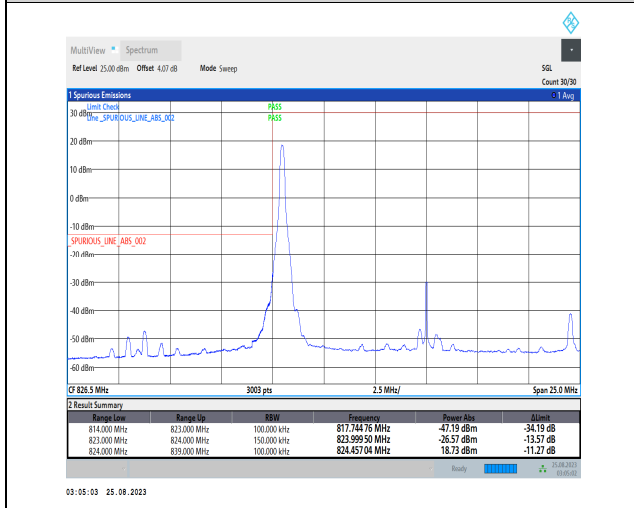
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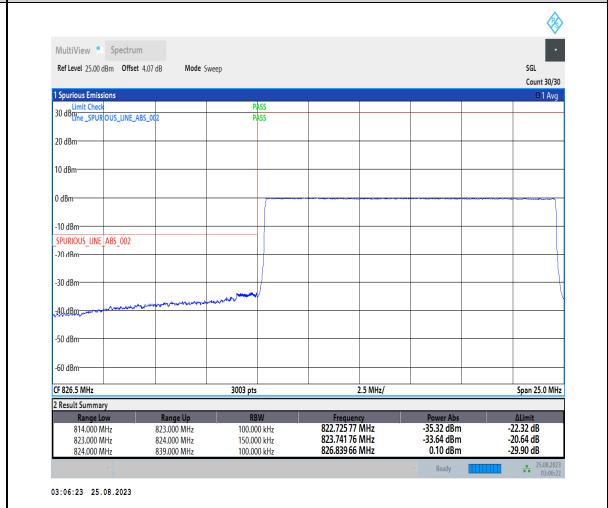
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1-N5-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-1--PASS-see graph



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



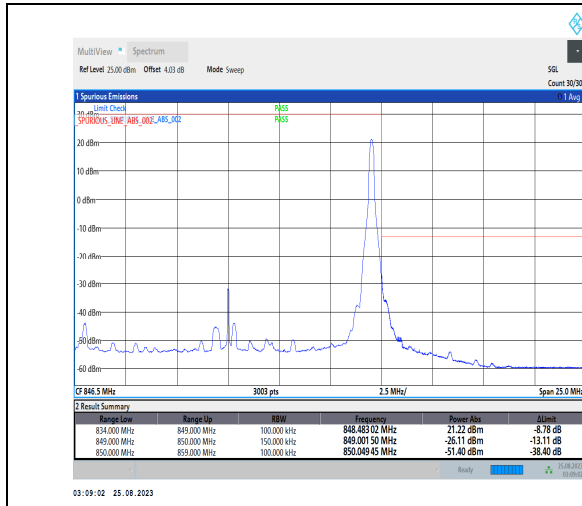
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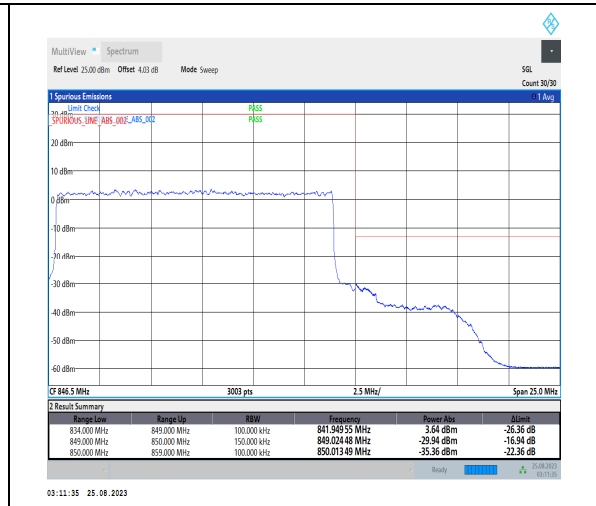
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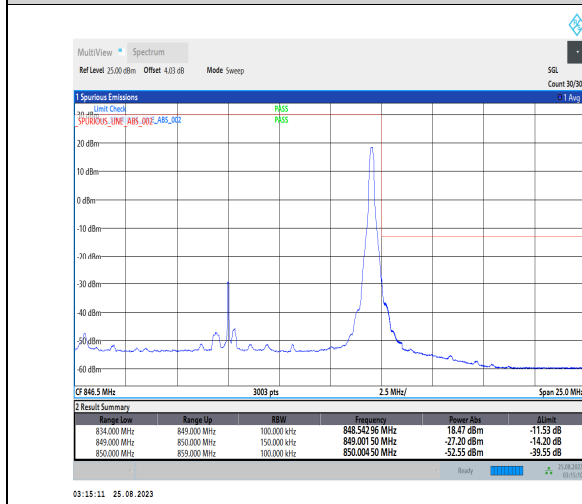
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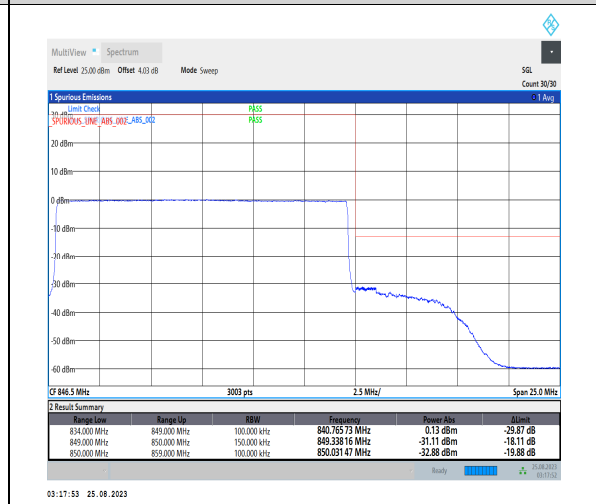
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1-N5-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1--PASS-see graph



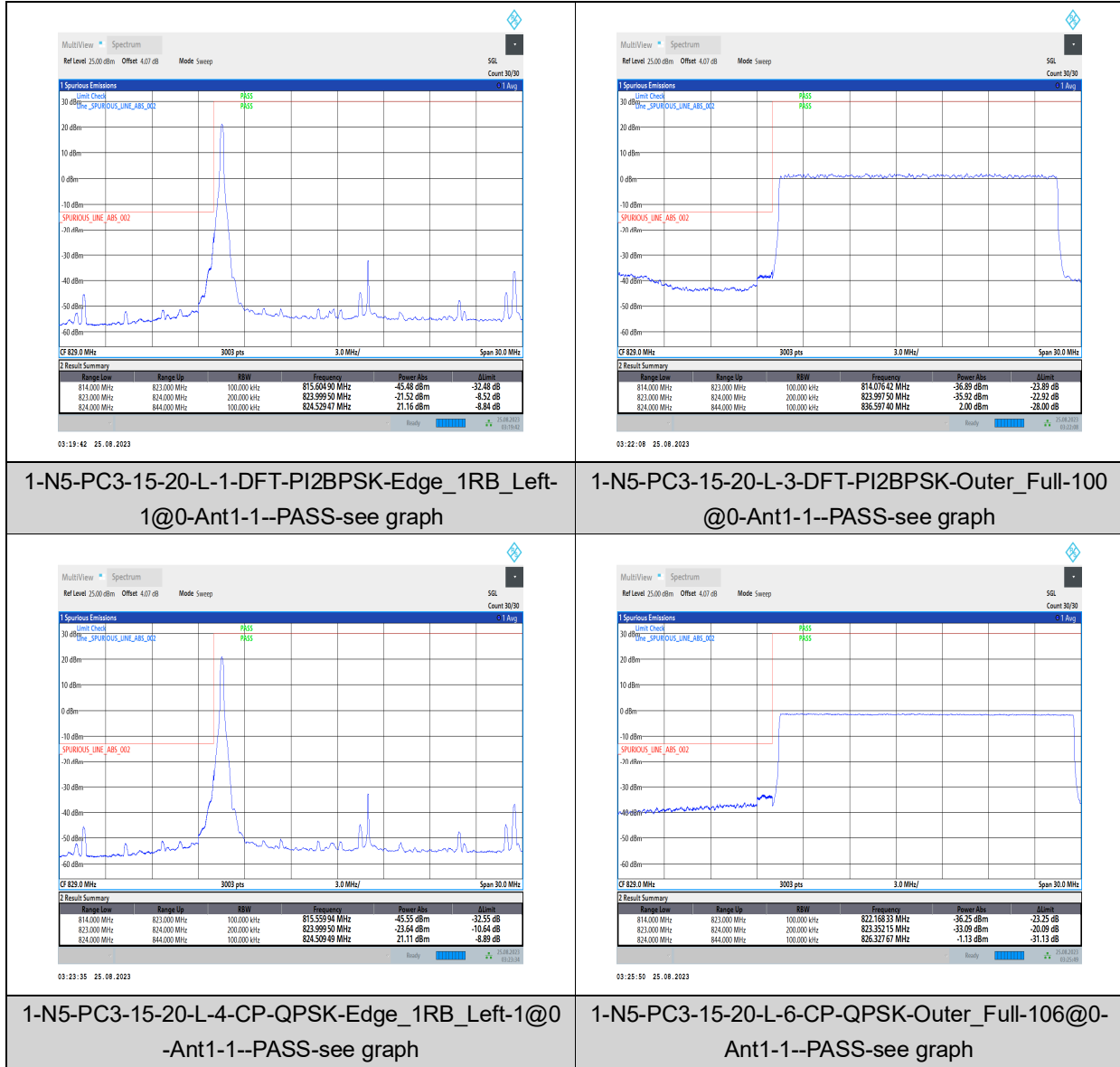
1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



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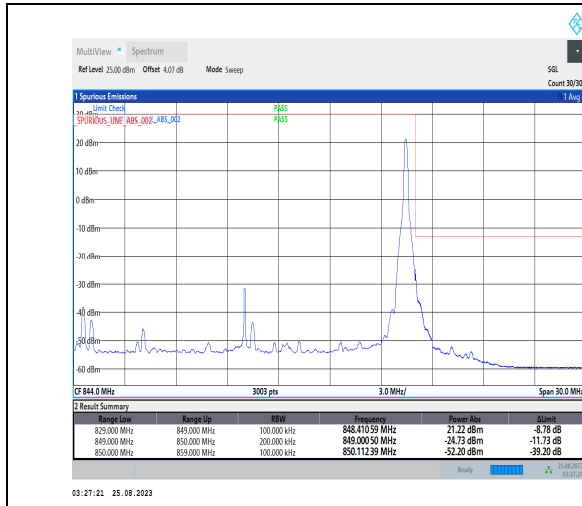
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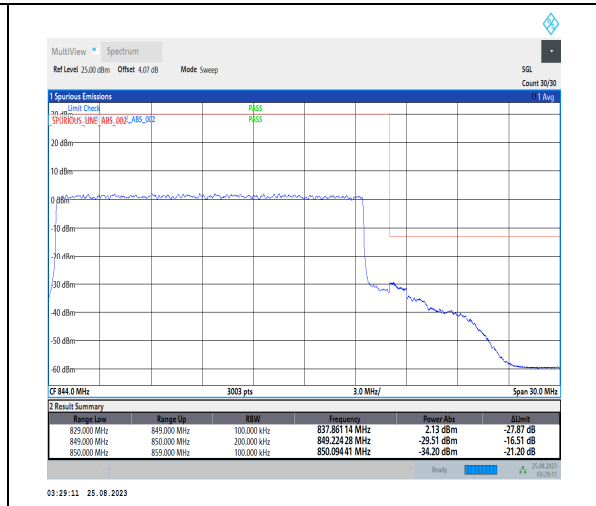
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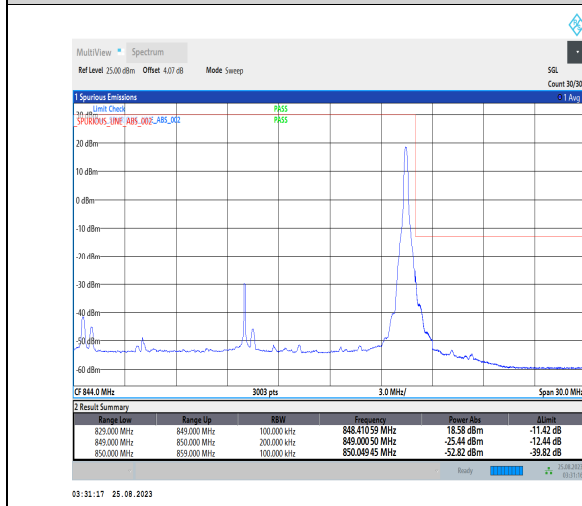
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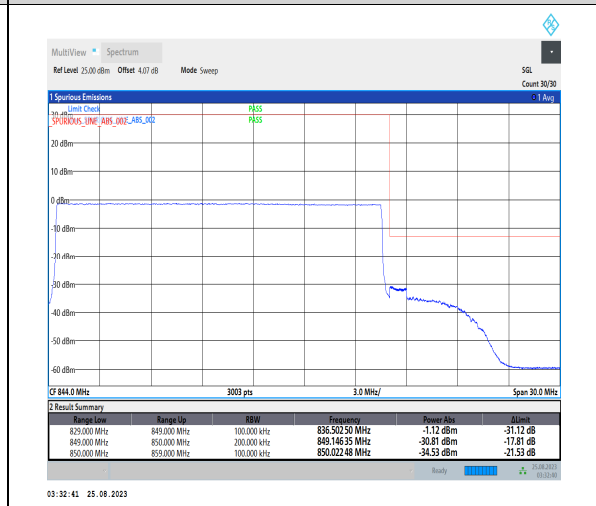
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1-N5-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-10@0-Ant1-1--PASS-see graph



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



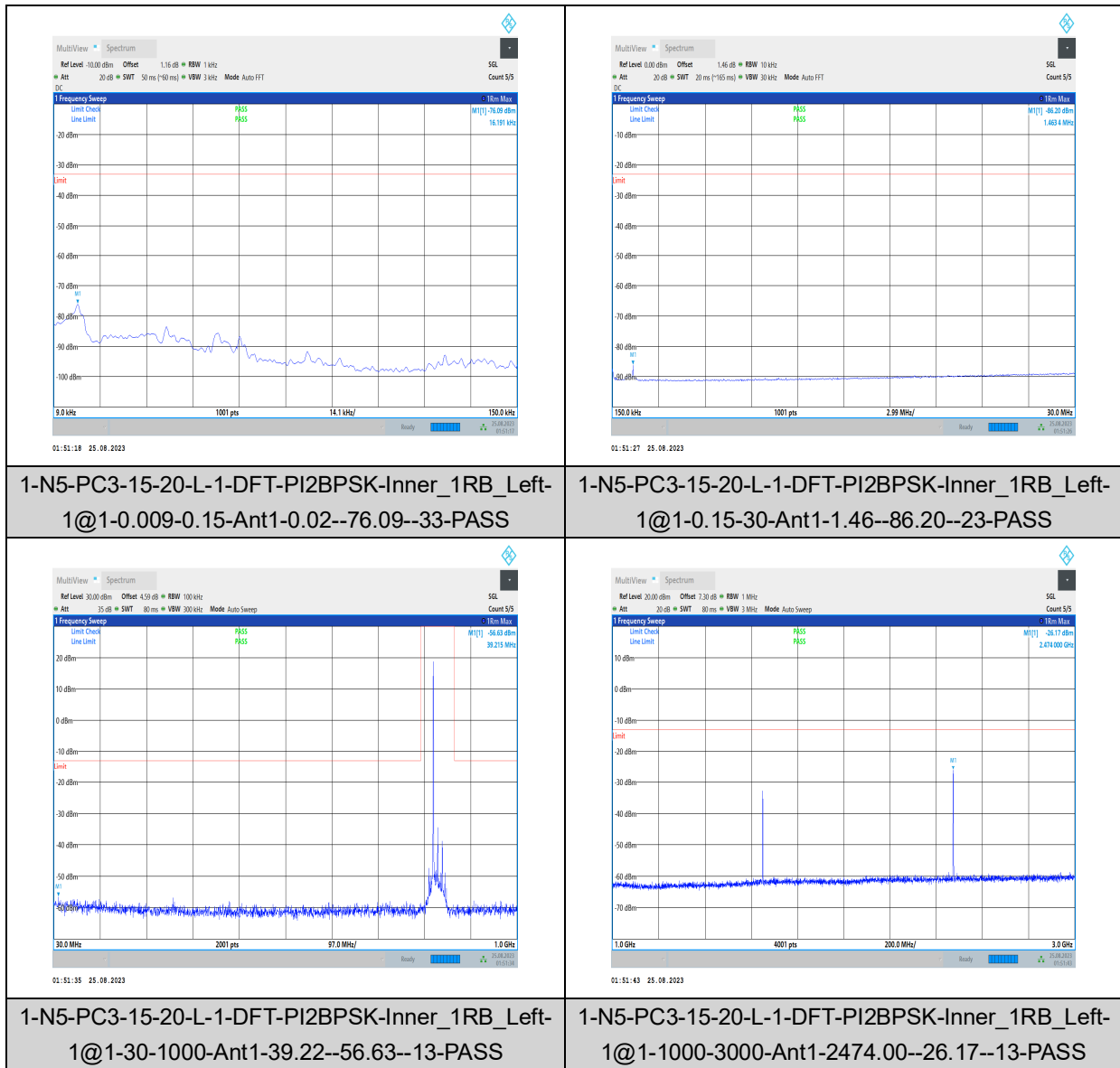
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Conducted Spurious Emission for SA

Test Graphs



1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--76.09--33-PASS

1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-1.46--86.20--23-PASS

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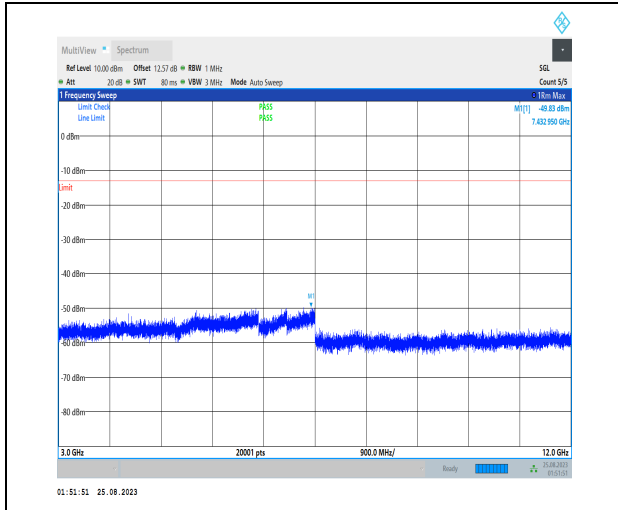
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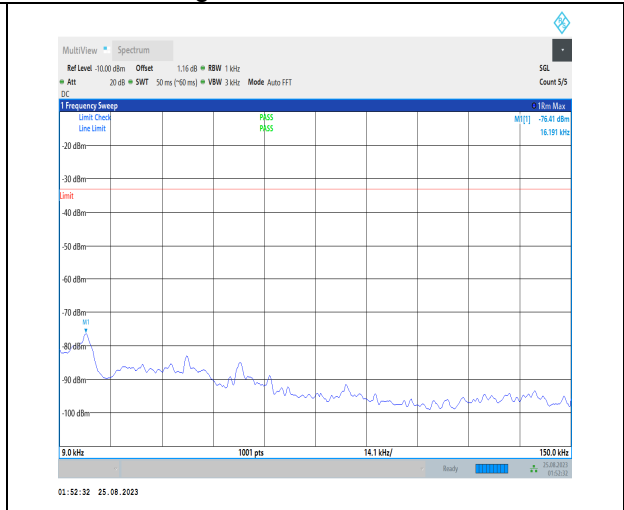
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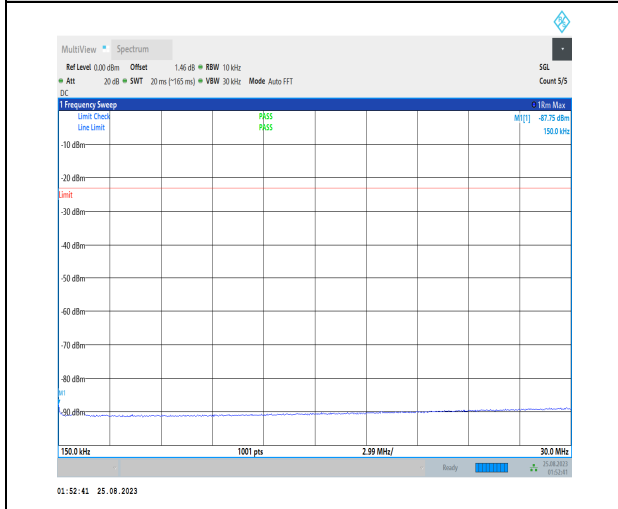
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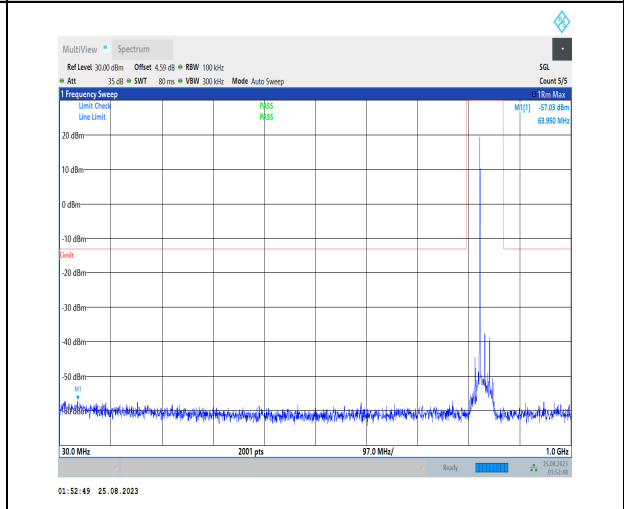
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1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--76.41--33-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--87.75--23-PASS



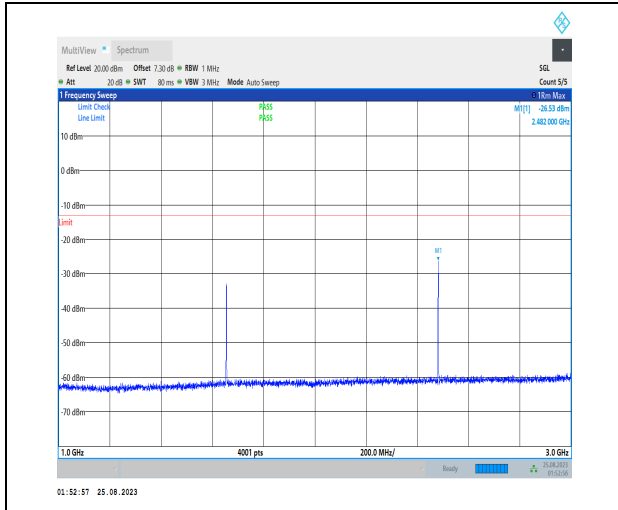
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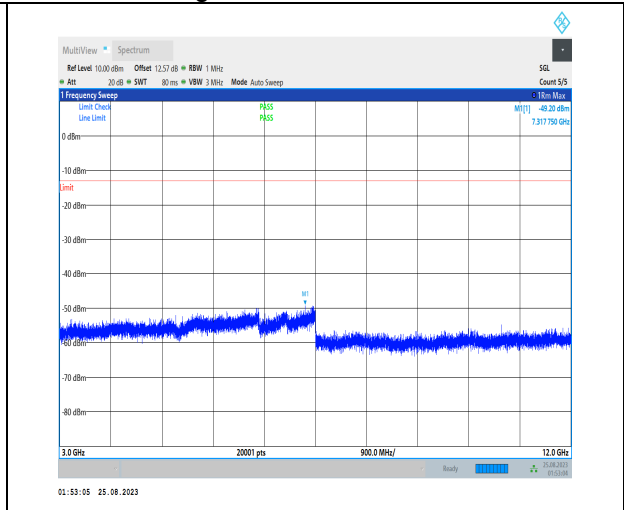
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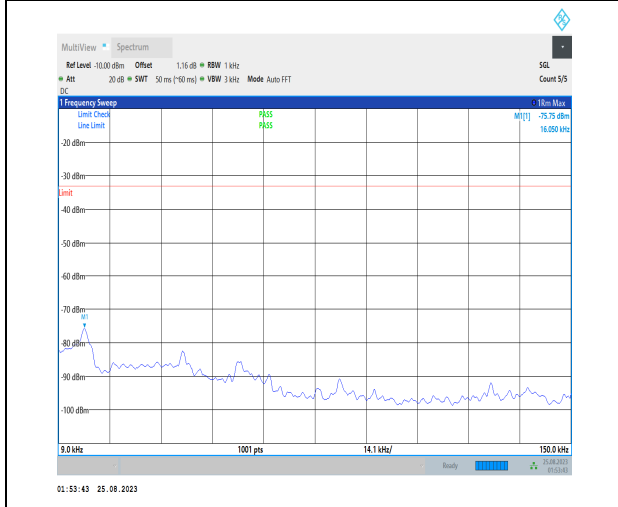
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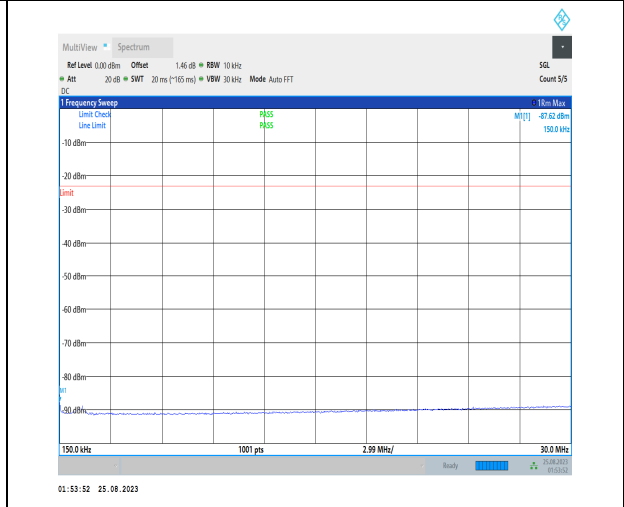
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1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-7317.75--49.20--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
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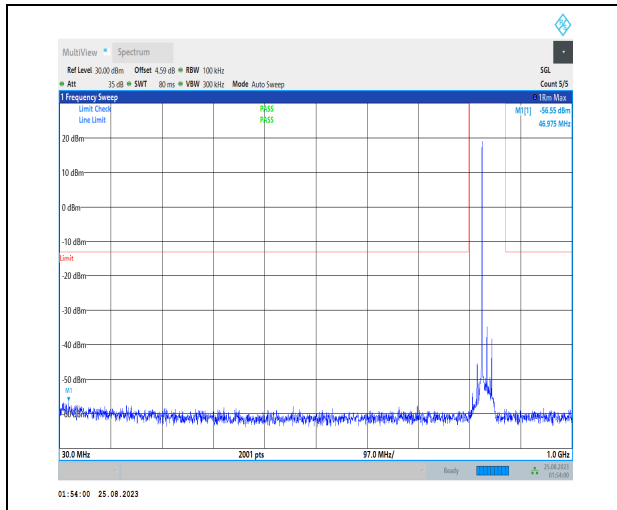
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-1@1-0.15-30-Ant1-0.15--87.62--23-PASS



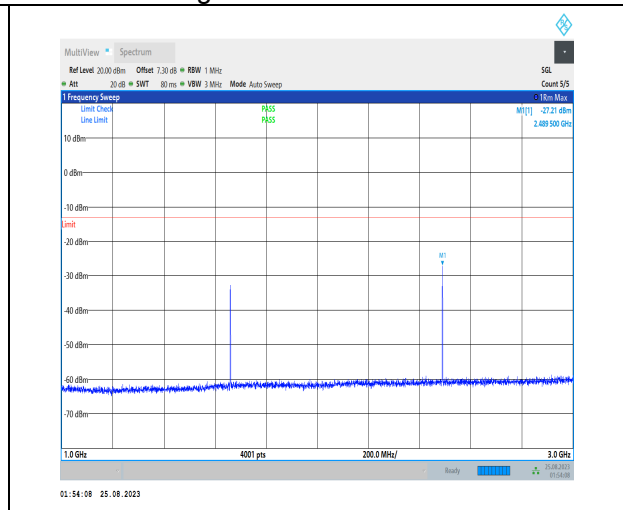
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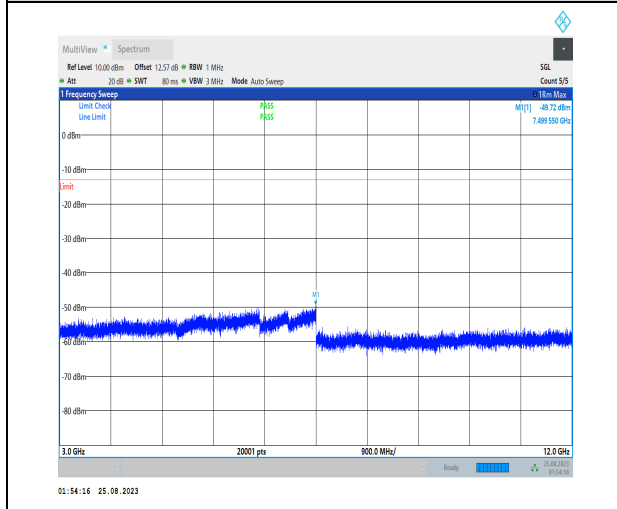
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-30-1000-Ant1-46.98--56.55--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-1000-3000-Ant1-2489.50--27.21--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-7499.55--49.72--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band5_20MHz_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	1649.1800	43.87	-48.22	25.27	-74.34	-13.00	61.34	Horizontal
2	2473.7700	42.56	-47.32	27.23	-72.79	-13.00	59.79	Horizontal
3	3298.3600	42.63	-46.68	28.48	-70.83	-13.00	57.83	Horizontal
4	4122.9500	40.93	-45.91	29.40	-70.85	-13.00	57.85	Horizontal
5	4947.5400	40.98	-45.69	31.29	-68.68	-13.00	55.68	Horizontal
6	5772.1300	40.14	-44.64	32.65	-67.10	-13.00	54.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1800	43.66	-48.22	25.27	-74.55	-13.00	61.55	Vertical
2	2473.7700	42.71	-47.32	27.23	-72.64	-13.00	59.64	Vertical
3	3298.3600	42.17	-46.68	28.48	-71.29	-13.00	58.29	Vertical
4	4122.9500	40.90	-45.91	29.40	-70.88	-13.00	57.88	Vertical
5	4947.5400	40.88	-45.69	31.29	-68.78	-13.00	55.78	Vertical
6	5772.1300	39.75	-44.64	32.65	-67.49	-13.00	54.49	Vertical



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Test Band = SA Band5_20MHz_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	1664.1800	42.81	-48.20	25.30	-75.36	-13.00	62.36	Horizontal
2	2496.2700	42.53	-47.28	27.29	-72.72	-13.00	59.72	Horizontal
3	3328.3600	42.80	-46.64	28.50	-70.60	-13.00	57.60	Horizontal
4	4160.4500	40.57	-45.94	29.49	-71.14	-13.00	58.14	Horizontal
5	4992.5400	40.86	-45.79	31.38	-68.81	-13.00	55.81	Horizontal
6	5824.6300	39.38	-44.74	32.67	-67.95	-13.00	54.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.1800	43.66	-48.20	25.30	-74.51	-13.00	61.51	Vertical
2	2496.2700	42.44	-47.28	27.29	-72.81	-13.00	59.81	Vertical
3	3328.3600	42.64	-46.64	28.50	-70.76	-13.00	57.76	Vertical
4	4160.4500	40.94	-45.94	29.49	-70.77	-13.00	57.77	Vertical
5	4992.5400	40.74	-45.79	31.38	-68.93	-13.00	55.93	Vertical
6	5824.6300	39.44	-44.74	32.67	-67.89	-13.00	54.89	Vertical



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Test Band = SA Band5_20MHz_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	1679.1800	43.53	-48.18	25.32	-74.60	-13.00	61.60	Horizontal
2	2518.7700	43.03	-47.21	27.34	-72.10	-13.00	59.10	Horizontal
3	3358.3600	41.90	-46.60	28.52	-71.44	-13.00	58.44	Horizontal
4	4197.9500	40.82	-45.96	29.58	-70.82	-13.00	57.82	Horizontal
5	5037.5400	40.64	-45.65	31.49	-68.78	-13.00	55.78	Horizontal
6	5887.1300	40.24	-44.93	32.68	-67.27	-13.00	54.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1800	43.31	-48.18	25.32	-74.82	-13.00	61.82	Vertical
2	2518.7700	42.74	-47.21	27.34	-72.39	-13.00	59.39	Vertical
3	3358.3600	42.35	-46.60	28.52	-70.99	-13.00	57.99	Vertical
4	4197.9500	40.19	-45.96	29.58	-71.45	-13.00	58.45	Vertical
5	5037.5400	40.47	-45.65	31.49	-68.95	-13.00	55.95	Vertical
6	5887.1300	40.53	-44.93	32.68	-66.98	-13.00	53.98	Vertical



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Test Band = NSA 30A-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	1444.5714	44.67	-48.14	25.12	-73.61	-13.00	60.61	Horizontal
2	2204	44.12	-47.67	26.47	-72.34	-13.00	59.34	Horizontal
3	2892.5714	42.92	-46.60	28.09	-70.85	-13.00	57.85	Horizontal
4	3131.4286	43.63	-46.61	28.38	-69.86	-13.00	56.86	Horizontal
5	4481.7143	42.03	-45.65	30.26	-68.63	-13.00	55.63	Horizontal
6	7353.1429	38.90	-43.36	36.19	-63.53	-13.00	50.53	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.1800	43.05	-48.22	25.28	-75.15	-13.00	62.15	Vertical
2	2475.2700	42.40	-47.31	27.23	-72.94	-13.00	59.94	Vertical
3	3300.3600	42.27	-46.68	28.48	-71.19	-13.00	58.19	Vertical
4	4125.4500	40.28	-45.92	29.40	-71.49	-13.00	58.49	Vertical
5	4950.5400	41.23	-45.70	31.29	-68.44	-13.00	55.44	Vertical
6	5775.6300	39.86	-44.64	32.66	-67.38	-13.00	54.38	Vertical



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Test Band = NSA 30A-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	1655.1800	43.32	-48.21	25.28	-74.87	-13.00	61.87	Horizontal
2	2482.7700	43.09	-47.30	27.25	-72.22	-13.00	59.22	Horizontal
3	3310.3600	42.01	-46.66	28.49	-71.43	-13.00	58.43	Horizontal
4	4137.9500	41.17	-45.92	29.43	-70.58	-13.00	57.58	Horizontal
5	4965.5400	40.93	-45.73	31.32	-68.74	-13.00	55.74	Horizontal
6	5793.1300	39.63	-44.65	32.66	-67.63	-13.00	54.63	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.1800	43.13	-48.21	25.28	-75.06	-13.00	62.06	Vertical
2	2482.7700	42.36	-47.30	27.25	-72.95	-13.00	59.95	Vertical
3	3310.3600	42.25	-46.66	28.49	-71.19	-13.00	58.19	Vertical
4	4137.9500	40.67	-45.92	29.43	-71.08	-13.00	58.08	Vertical
5	4965.5400	41.26	-45.73	31.32	-68.41	-13.00	55.41	Vertical
6	5793.1300	39.54	-44.65	32.66	-67.72	-13.00	54.72	Vertical



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Test Band = NSA 30A-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	1660.1800	42.73	-48.21	25.29	-75.45	-13.00	62.45	Horizontal
2	2490.2700	42.05	-47.29	27.27	-73.22	-13.00	60.22	Horizontal
3	3320.3600	41.74	-46.65	28.49	-71.68	-13.00	58.68	Horizontal
4	4150.4500	41.06	-45.93	29.46	-70.67	-13.00	57.67	Horizontal
5	4980.5400	40.32	-45.77	31.36	-69.35	-13.00	56.35	Horizontal
6	5810.6300	39.63	-44.69	32.66	-67.66	-13.00	54.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1660.1800	43.54	-48.21	25.29	-74.64	-13.00	61.64	Vertical
2	2490.2700	42.36	-47.29	27.27	-72.91	-13.00	59.91	Vertical
3	3320.3600	42.52	-46.65	28.49	-70.90	-13.00	57.90	Vertical
4	4150.4500	40.76	-45.93	29.46	-70.97	-13.00	57.97	Vertical
5	4980.5400	40.89	-45.77	31.36	-68.78	-13.00	55.78	Vertical
6	5810.6300	39.72	-44.69	32.66	-67.57	-13.00	54.57	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



Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage											
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-6.000000	-0.007173	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.500000	-0.005380	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.100000	-0.004901	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-4.700000	-0.005619	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-7.800000	-0.009325	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-7.000000	-0.008368	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.200000	-0.006354	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-6.400000	-0.007651	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.300000	-0.007365	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-5.300000	-0.006336	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.100000	-0.009683	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-6.400000	-0.007651	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-5.300000	-0.006336	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.300000	-0.006336	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.200000	-0.006216	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-6.200000	-0.007412	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-6.600000	-0.007890	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-8.200000	-0.009803	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-6.600000	-0.007890	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-7.000000	-0.008368	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-7.000000	-0.008368	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-9.400000	-0.011237	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-6.600000	-0.007890	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-4.600000	-0.005499	±2.5	PASS

---End of Attachment---



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