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Appendix B.22

NR Band n25



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N25	15	5	DFT-QPSK	L	Inner_1RB_Left	21.56	21.9	33.00	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Left	20.72	21.06	33.00	PASS
N25	15	5	DFT-QPSK	M	Inner_1RB_Left	21.59	21.93	33.00	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Left	20.84	21.18	33.00	PASS
N25	15	5	DFT-QPSK	H	Inner_1RB_Left	21.5	21.84	33.00	PASS
N25	15	5	DFT-16QAM	H	Inner_1RB_Left	20.68	21.02	33.00	PASS
N25	15	10	DFT-QPSK	L	Inner_1RB_Left	21.53	21.87	33.00	PASS
N25	15	10	DFT-16QAM	L	Inner_1RB_Left	20.71	21.05	33.00	PASS
N25	15	10	DFT-QPSK	M	Inner_1RB_Left	21.54	21.88	33.00	PASS
N25	15	10	DFT-16QAM	M	Inner_1RB_Left	20.76	21.1	33.00	PASS
N25	15	10	DFT-QPSK	H	Inner_1RB_Left	21.49	21.83	33.00	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Left	20.72	21.06	33.00	PASS
N25	15	15	DFT-QPSK	L	Inner_1RB_Left	21.51	21.85	33.00	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Left	20.72	21.06	33.00	PASS
N25	15	15	DFT-QPSK	M	Inner_1RB_Left	21.51	21.85	33.00	PASS
N25	15	15	DFT-16QAM	M	Inner_1RB_Left	20.7	21.04	33.00	PASS
N25	15	15	DFT-QPSK	H	Inner_1RB_Left	21.55	21.89	33.00	PASS
N25	15	15	DFT-16QAM	H	Inner_1RB_Left	20.77	21.11	33.00	PASS
N25	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	21.67	22.01	33.00	PASS
N25	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	21.54	21.88	33.00	PASS
N25	15	20	DFT-PI2BPSK	L	Outer_Full	21.21	21.55	33.00	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Left	21.67	22.01	33.00	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Right	21.59	21.93	33.00	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	20.69	21.03	33.00	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Left	20.82	21.16	33.00	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Right	20.73	21.07	33.00	PASS
N25	15	20	DFT-16QAM	L	Outer_Full	19.7	20.04	33.00	PASS
N25	15	20	DFT-64QAM	L	Inner_1RB_Left	19.33	19.67	33.00	PASS
N25	15	20	DFT-64QAM	L	Inner_1RB_Right	19.23	19.57	33.00	PASS
N25	15	20	DFT-64QAM	L	Outer_Full	19.18	19.52	33.00	PASS
N25	15	20	DFT-256QAM	L	Inner_1RB_Left	17.19	17.53	33.00	PASS



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N25	15	20	DFT-256QAM	L	Inner_1RB_Right	17.16	17.5	33.00	PASS
N25	15	20	DFT-256QAM	L	Outer_Full	17.25	17.59	33.00	PASS
N25	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	21.54	21.88	33.00	PASS
N25	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	21.74	22.08	33.00	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	21.2	21.54	33.00	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Left	21.59	21.93	33.00	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Right	21.82	22.16	33.00	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	20.73	21.07	33.00	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Left	20.71	21.05	33.00	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Right	20.89	21.23	33.00	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	19.72	20.06	33.00	PASS
N25	15	20	DFT-64QAM	M	Inner_1RB_Left	19.22	19.56	33.00	PASS
N25	15	20	DFT-64QAM	M	Inner_1RB_Right	19.4	19.74	33.00	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	19.21	19.55	33.00	PASS
N25	15	20	DFT-256QAM	M	Inner_1RB_Left	17.15	17.49	33.00	PASS
N25	15	20	DFT-256QAM	M	Inner_1RB_Right	17.39	17.73	33.00	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.34	17.68	33.00	PASS
N25	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	21.63	21.97	33.00	PASS
N25	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	21.65	21.99	33.00	PASS
N25	15	20	DFT-PI2BPSK	H	Outer_Full	21.15	21.49	33.00	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Left	21.65	21.99	33.00	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Right	21.65	21.99	33.00	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	20.7	21.04	33.00	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Left	20.77	21.11	33.00	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Right	20.82	21.16	33.00	PASS
N25	15	20	DFT-16QAM	H	Outer_Full	19.67	20.01	33.00	PASS
N25	15	20	DFT-64QAM	H	Inner_1RB_Left	19.27	19.61	33.00	PASS
N25	15	20	DFT-64QAM	H	Inner_1RB_Right	19.34	19.68	33.00	PASS
N25	15	20	DFT-64QAM	H	Outer_Full	19.19	19.53	33.00	PASS
N25	15	20	DFT-256QAM	H	Inner_1RB_Left	17.27	17.61	33.00	PASS
N25	15	20	DFT-256QAM	H	Inner_1RB_Right	17.28	17.62	33.00	PASS
N25	15	20	DFT-256QAM	H	Outer_Full	17.24	17.58	33.00	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N25	15	20	DFT-256QAM	L	Outer_Full	6.78	PASS
N25	15	20	CP-256QAM	L	Outer_Full	8.69	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	6.79	PASS
N25	15	20	CP-256QAM	M	Outer_Full	8.70	PASS
N25	15	20	DFT-256QAM	H	Outer_Full	6.72	PASS
N25	15	20	CP-256QAM	H	Outer_Full	8.62	PASS



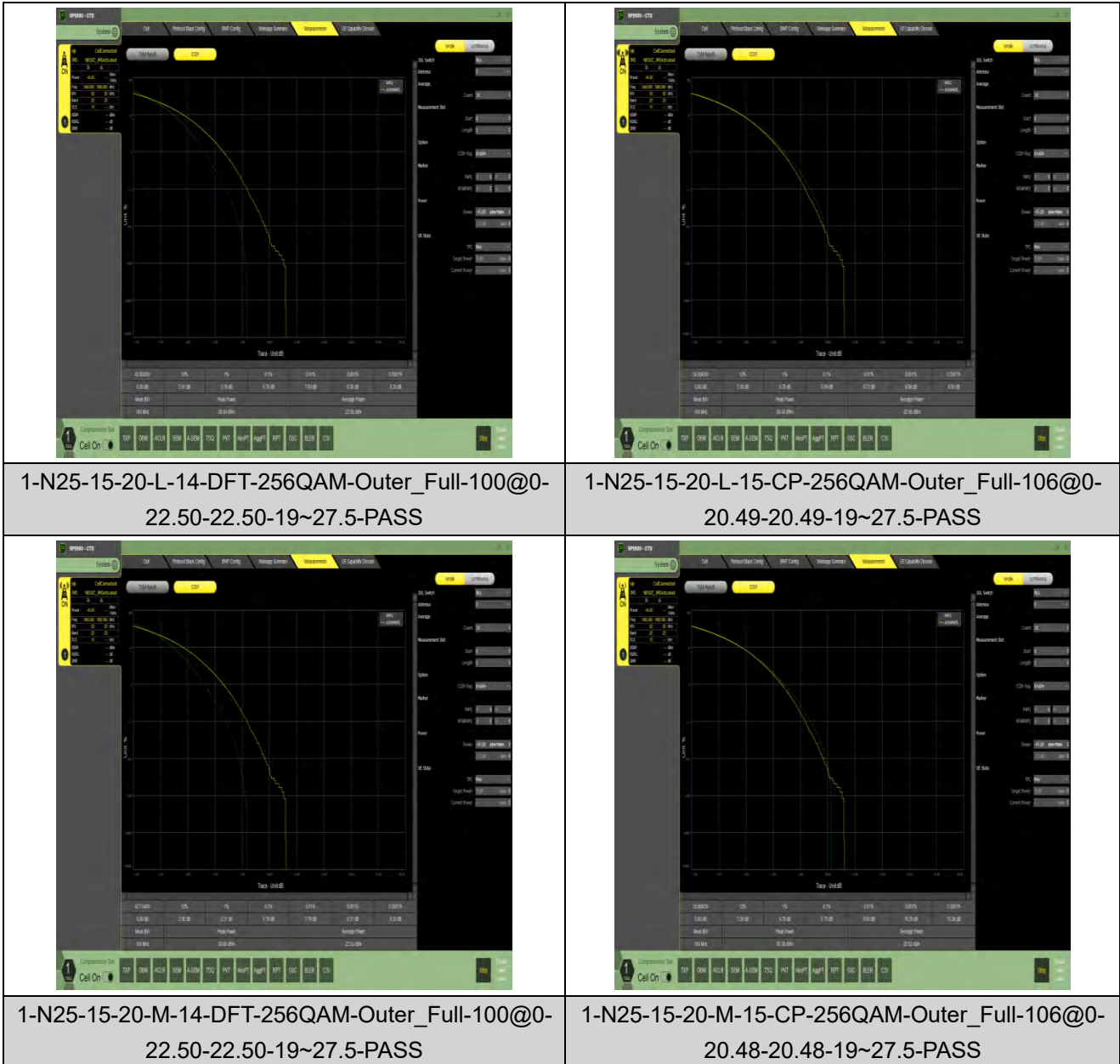
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Test Graphs



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1-N25-15-20-H-14-DFT-256QAM-Outer_Full-100@0-22.45-22.45-19~27.5-PASS



1-N25-15-20-H-15-CP-256QAM-Outer_Full-106@0-20.58-20.58-19~27.5-PASS



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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
N25	15	5	DFT-QPSK	M	Outer_Full	4.512	4.910	PASS
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.509	4.940	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.503	4.920	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.512	4.970	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.5	4.930	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.5	4.950	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.501	4.940	PASS
N25	15	5	CP-64QAM	M	Outer_Full	4.514	4.970	PASS
N25	15	5	CP-256QAM	M	Outer_Full	4.482	4.960	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.912	9.420	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.956	9.460	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.909	9.440	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.934	9.440	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.917	9.420	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.284	9.840	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.298	9.840	PASS
N25	15	10	CP-64QAM	M	Outer_Full	9.292	9.800	PASS
N25	15	10	CP-256QAM	M	Outer_Full	9.268	9.800	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.462	14.370	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.462	14.310	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.428	14.370	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.468	14.310	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.453	14.340	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.15	15.030	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.183	15.090	PASS
N25	15	15	CP-64QAM	M	Outer_Full	14.162	15.060	PASS
N25	15	15	CP-256QAM	M	Outer_Full	14.144	15.030	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.867	18.880	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.914	18.880	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.864	18.880	PASS



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N25	15	20	DFT-64QAM	M	Outer_Full	17.909	18.960	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.873	18.880	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.963	19.960	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.922	20.000	PASS
N25	15	20	CP-64QAM	M	Outer_Full	18.974	20.000	PASS
N25	15	20	CP-256QAM	M	Outer_Full	18.917	20.000	PASS



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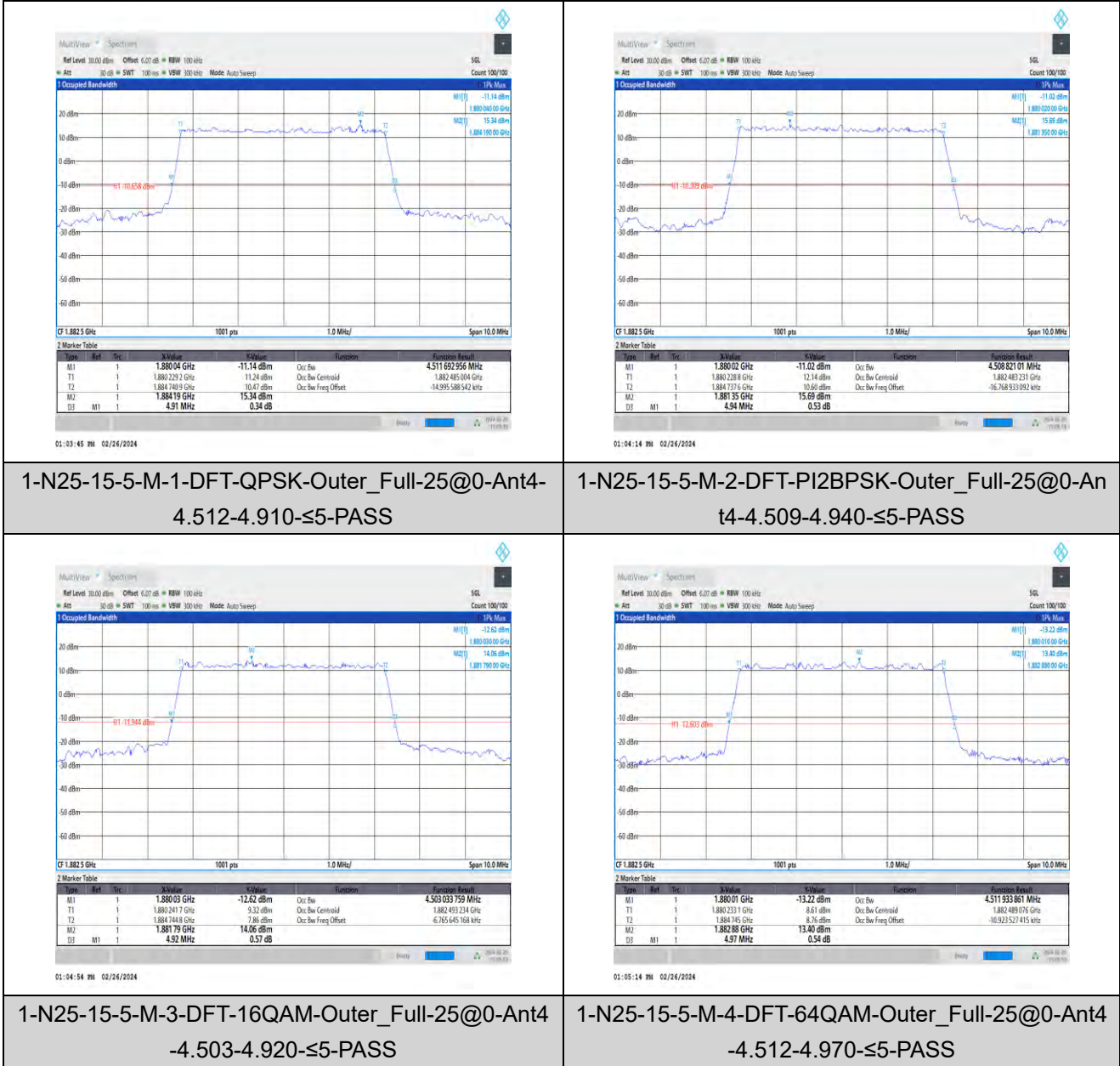
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Test Graphs



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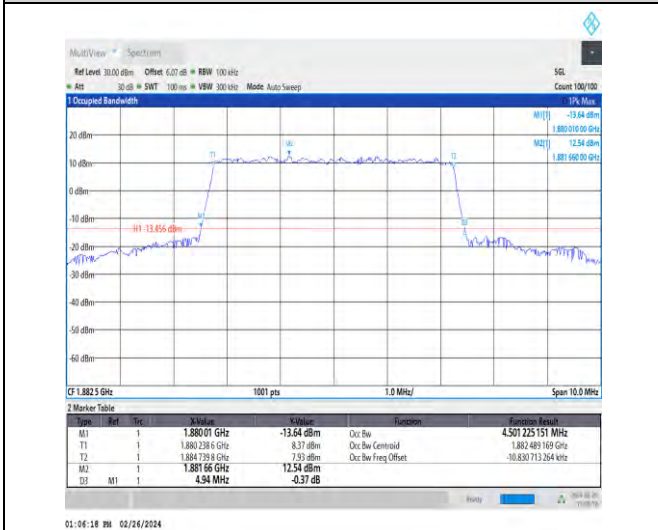
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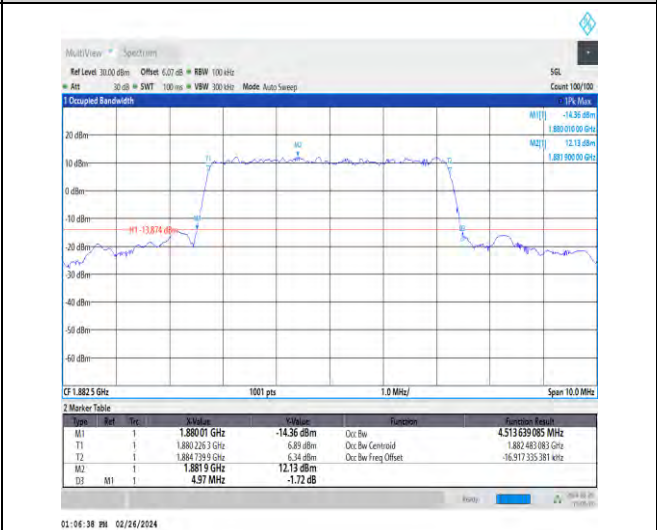
1-N25-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
4-4.5-4.930-≤5-PASS



1-N25-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant4-4
.5-4.950-≤5-PASS



1-N25-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant4-4
4.501-4.940-≤5-PASS



1-N25-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant4-4
4.514-4.970-≤5-PASS



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1-N25-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant4
 -4.482-4.960-≤5-PASS



1-N25-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant4
 -8.912-9.420-≤10-PASS



1-N25-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant4
 -8.956-9.460-≤10-PASS



1-N25-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant4
 4-8.909-9.440-≤10-PASS



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1-N25-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
 4-8.934-9.440-≤10-PASS

1-N25-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
 nt4-8.917-9.420-≤10-PASS



1-N25-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant4-
 9.284-9.840-≤10-PASS

1-N25-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant
 4-9.298-9.840-≤10-PASS



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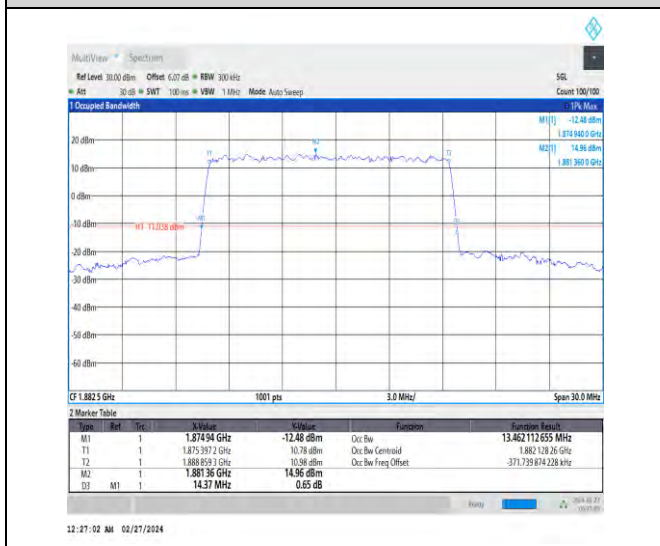
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1-N25-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant4
 -9.292-9.800-≤10-PASS



1-N25-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant4
 -9.268-9.800-≤10-PASS



1-N25-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant4
 -13.462-14.370-≤15-PASS



1-N25-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant4
 -13.462-14.310-≤15-PASS



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1-N25-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
4-13.428-14.370-≤15-PASS



1-N25-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
4-13.468-14.310-≤15-PASS



1-N25-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
4-13.453-14.340-≤15-PASS



1-N25-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant
4-14.15-15.030-≤15-PASS



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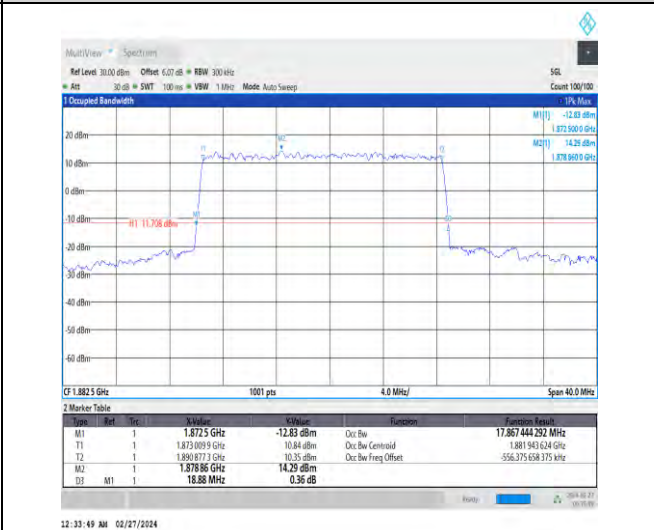
1-N25-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant4
-14.183-15.090-≤15-PASS



1-N25-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant4
4-14.162-15.060-≤15-PASS



1-N25-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant4
4-14.144-15.030-≤15-PASS



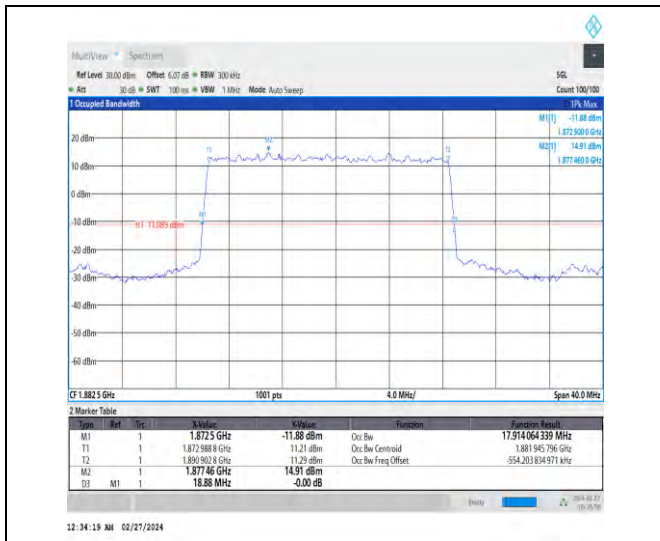
1-N25-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant4
4-17.867-18.880-≤20-PASS



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1-N25-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant4-17.914-18.880-≤20-PASS



1-N25-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant4-17.864-18.880-≤20-PASS



1-N25-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant4-17.909-18.960-≤20-PASS



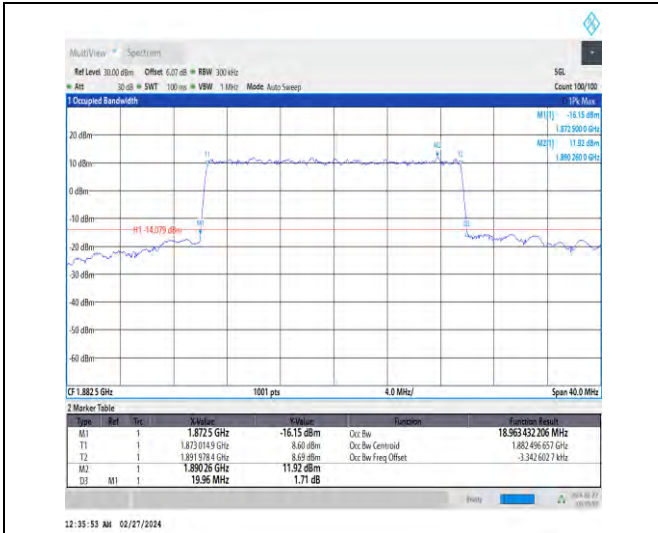
1-N25-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant4-17.873-18.880-≤20-PASS



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1-N25-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant4
-18.963-19.960-≤20-PASS



1-N25-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant4
-18.922-20.000-≤20-PASS



1-N25-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant4
4-18.974-20.000-≤20-PASS



1-N25-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant4
-18.917-20.000-≤20-PASS



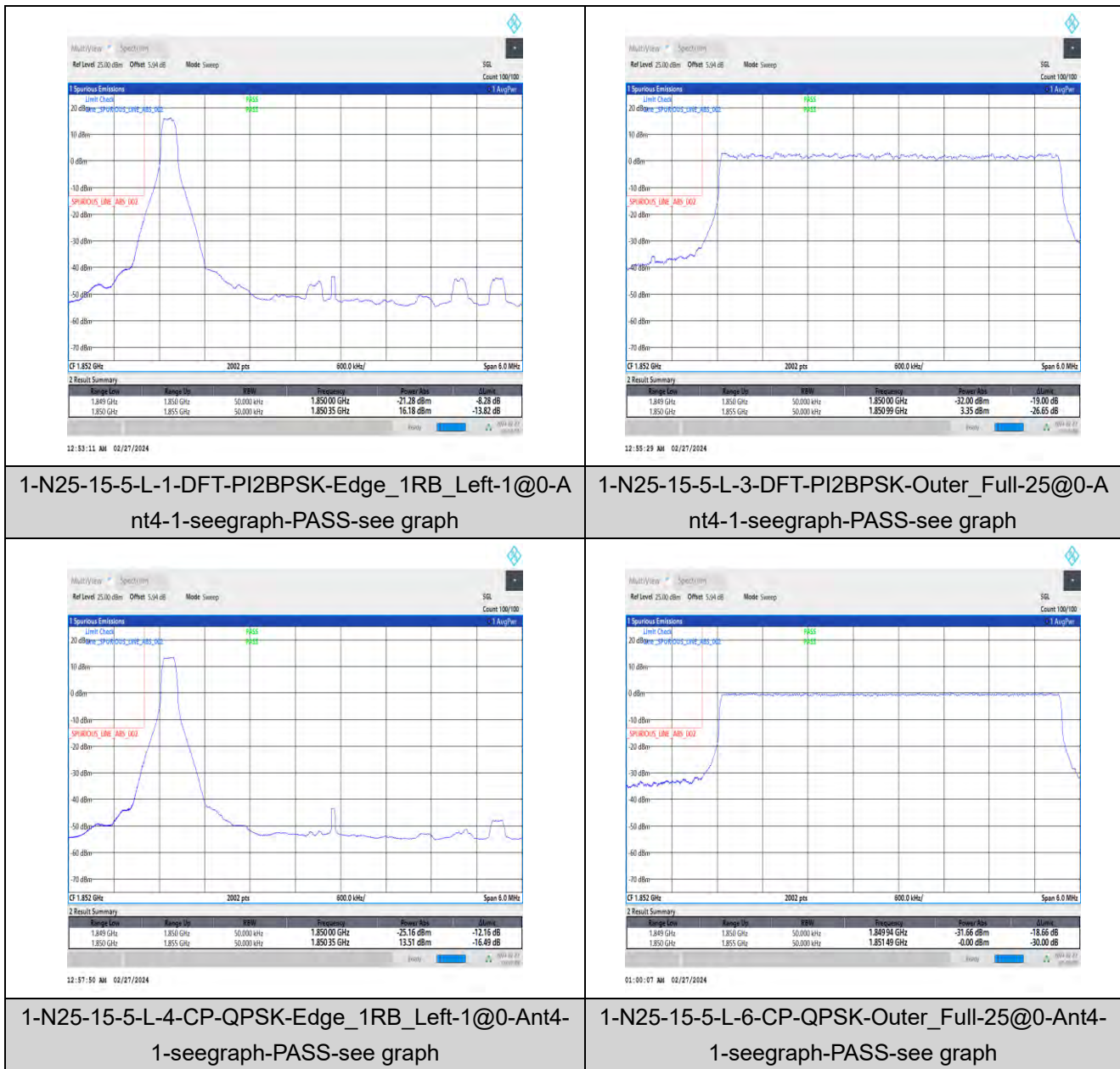
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Band Edge for SA

Test Graphs



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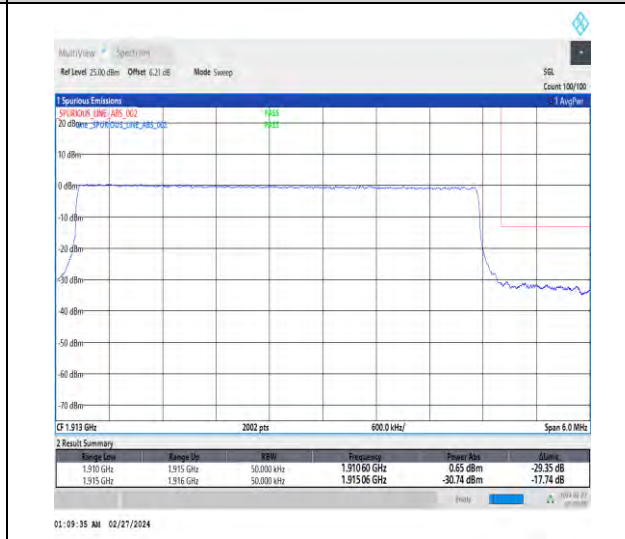
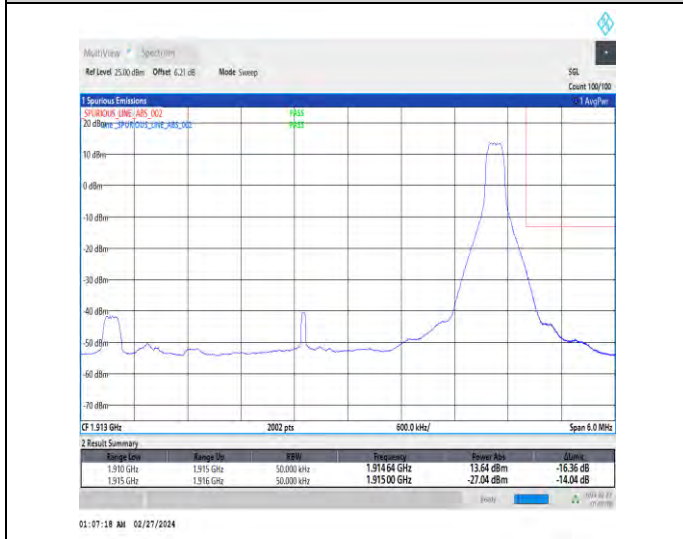
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1-N25-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
 4-Ant4-1-seegraph-PASS-see graph

1-N25-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-An
 t4-1-seegraph-PASS-see graph

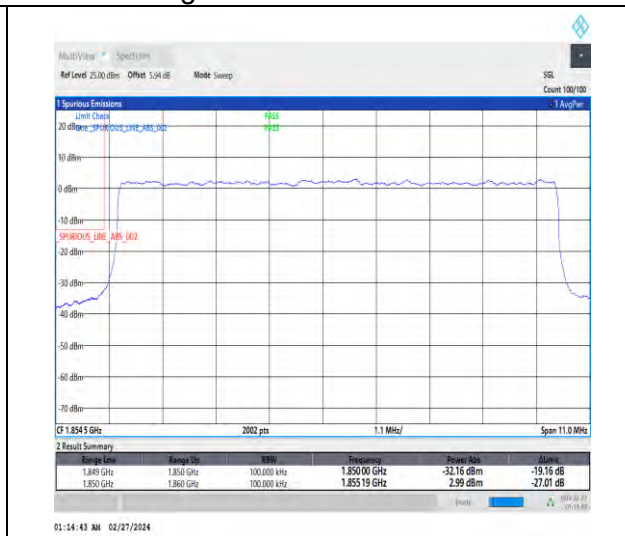
1-N25-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant4-1-seegraph-PASS-see graph



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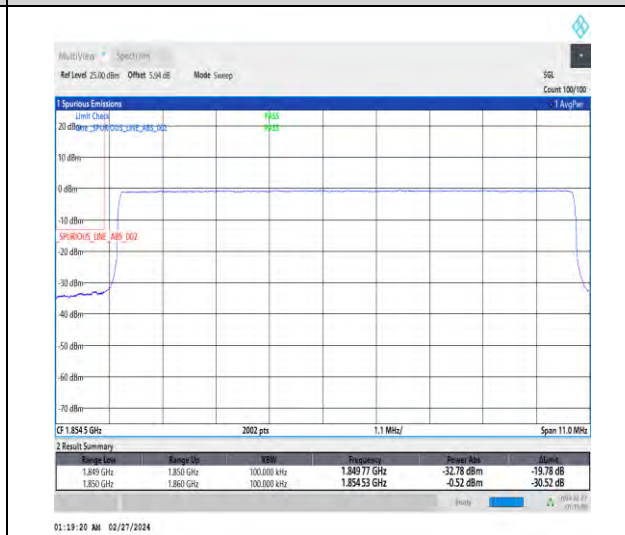


1-N25-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

1-N25-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant4-1-seegraph-PASS-see graph



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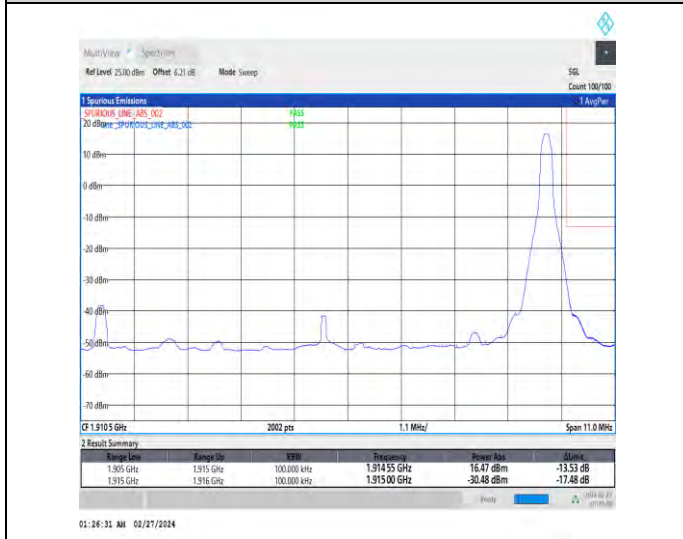
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1-N25-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant4-1-seegraph-PASS-see graph

1-N25-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant4-1-seegraph-PASS-see graph

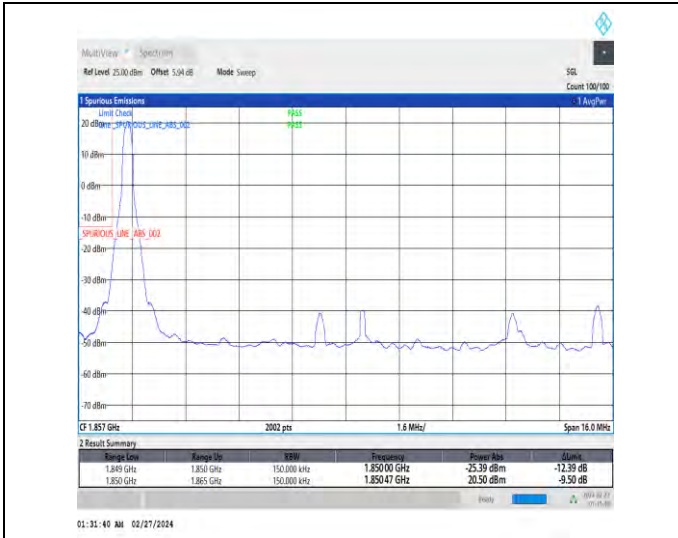
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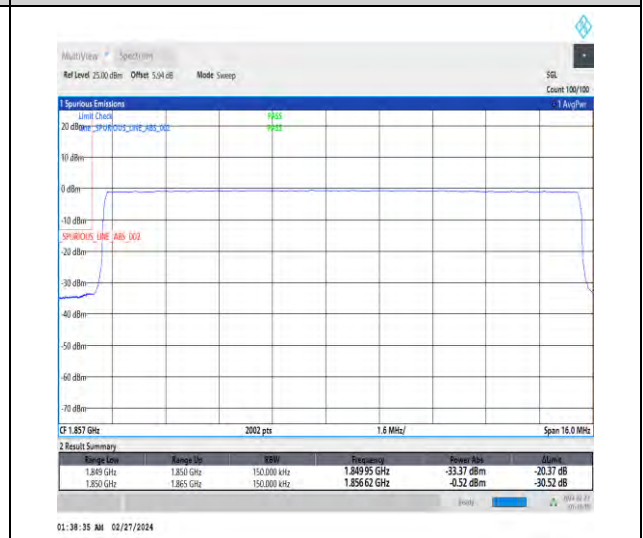
1-N25-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph



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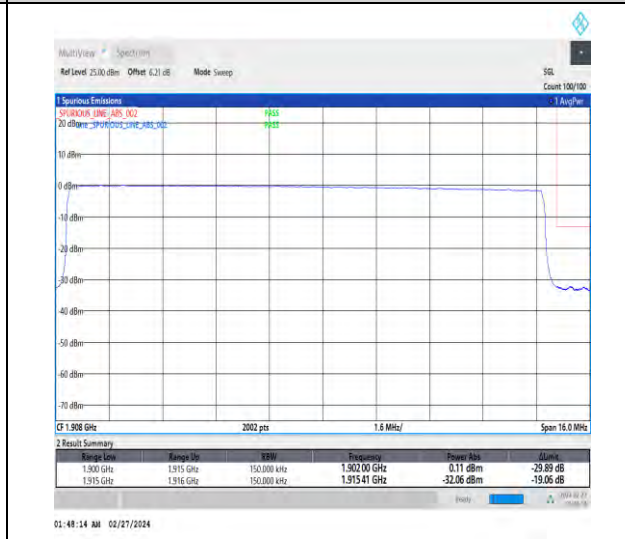
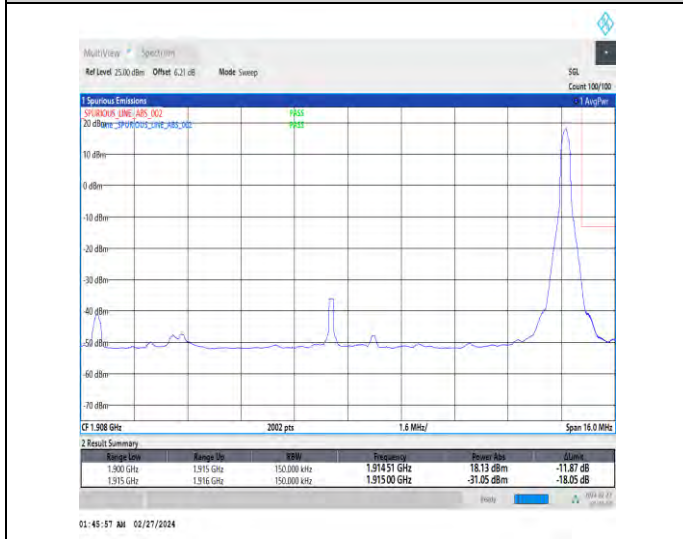
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1-N25-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N25-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N25-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph



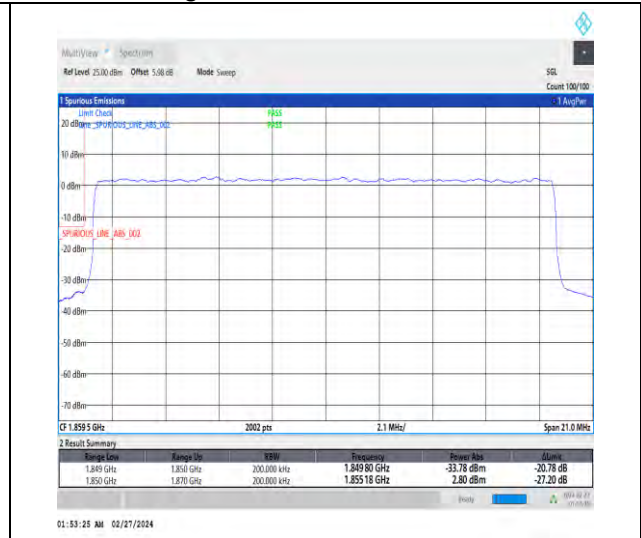
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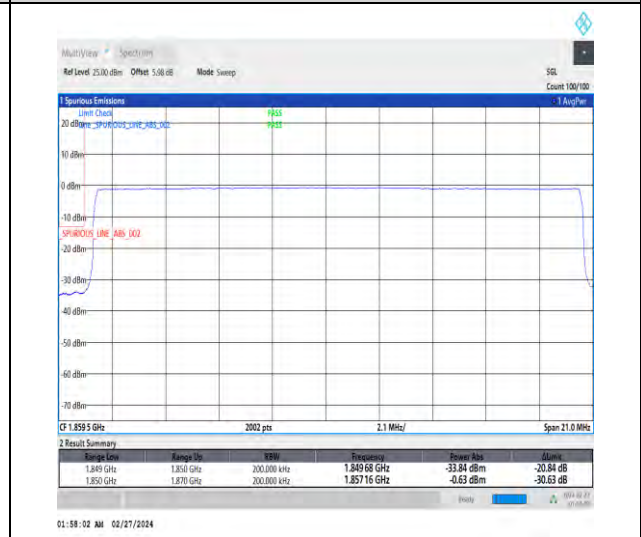
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1-N25-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



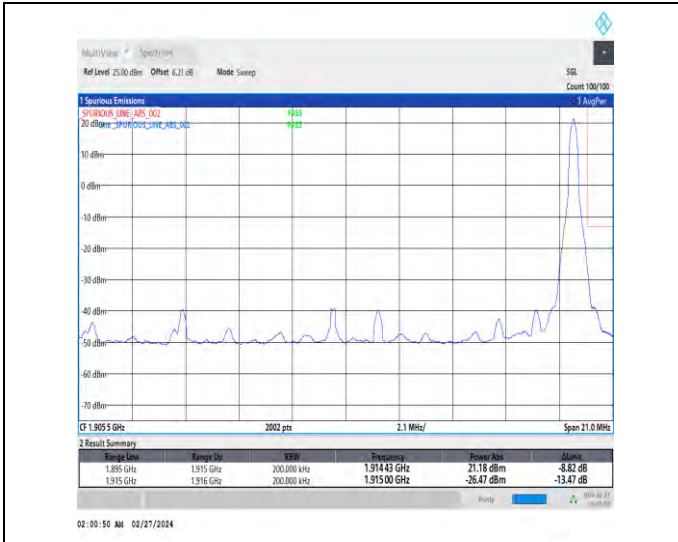
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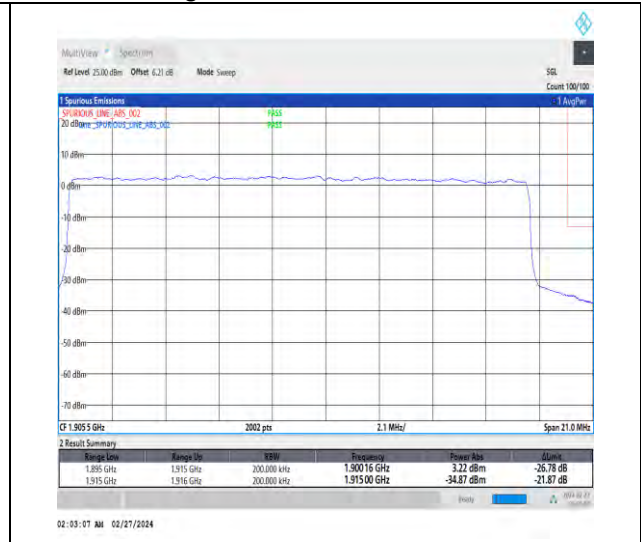
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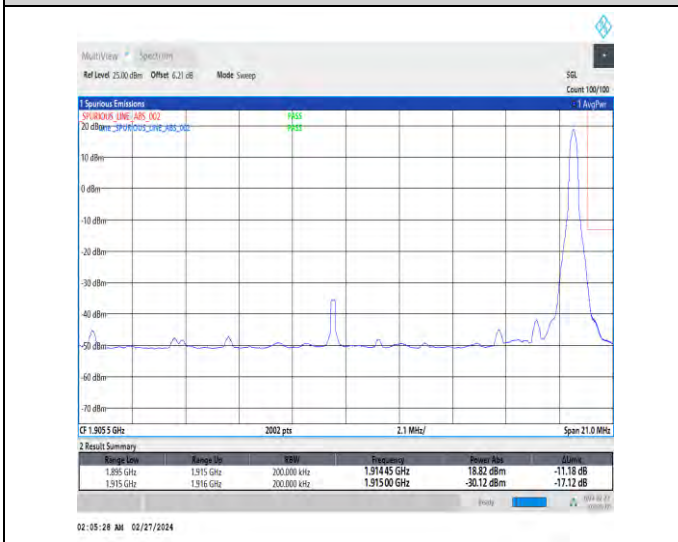
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1-N25-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph



1-N25-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1-seegraph-PASS-see graph



1-N25-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph



1-N25-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant4-1-seegraph-PASS-see graph



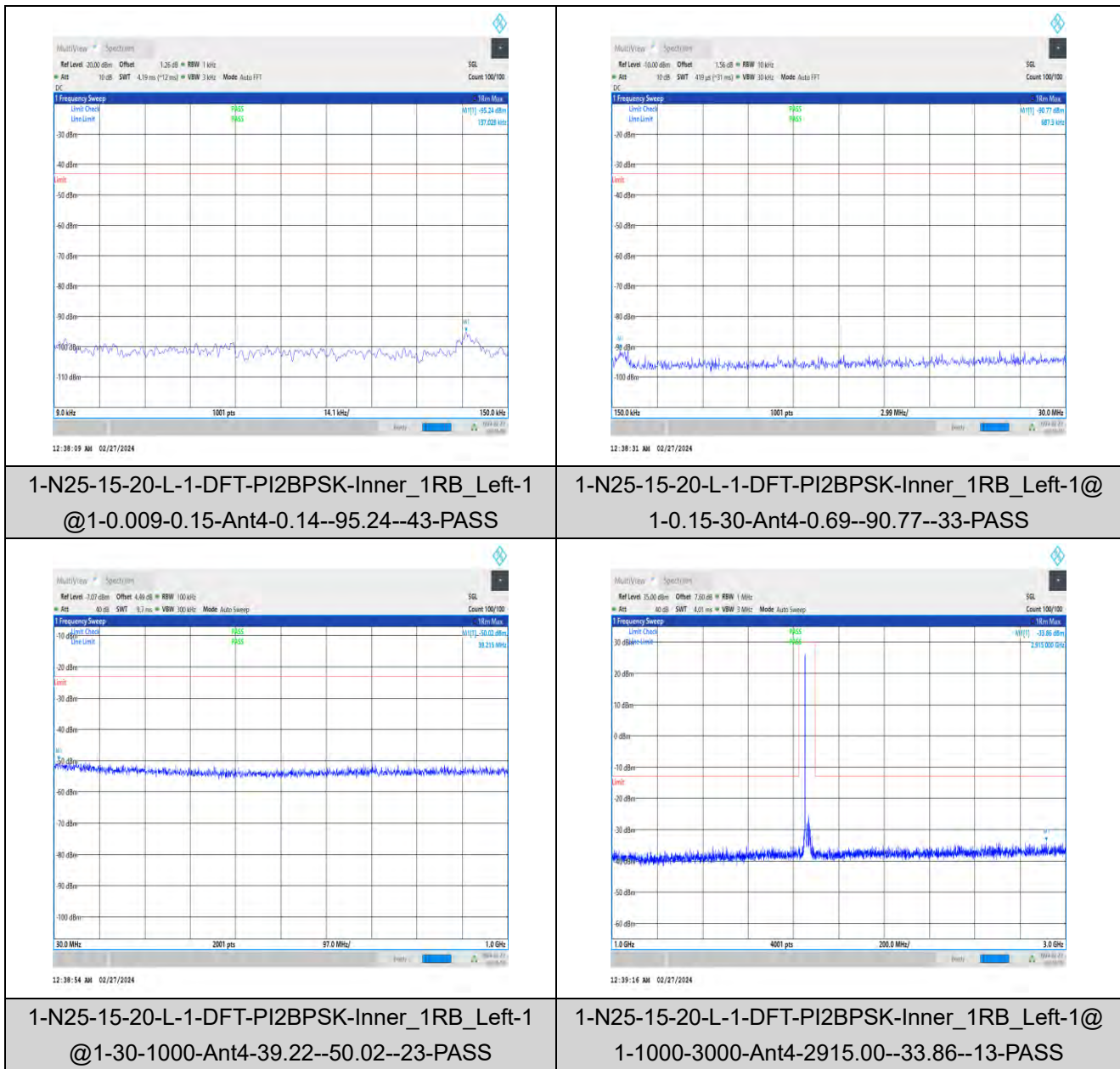
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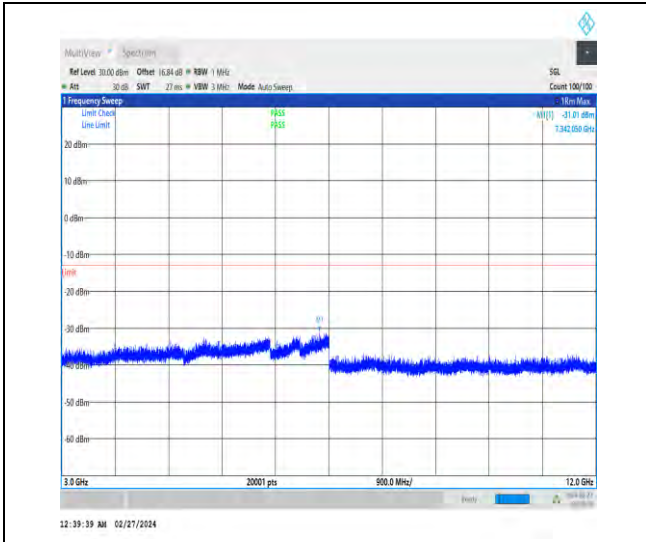
Test Graphs



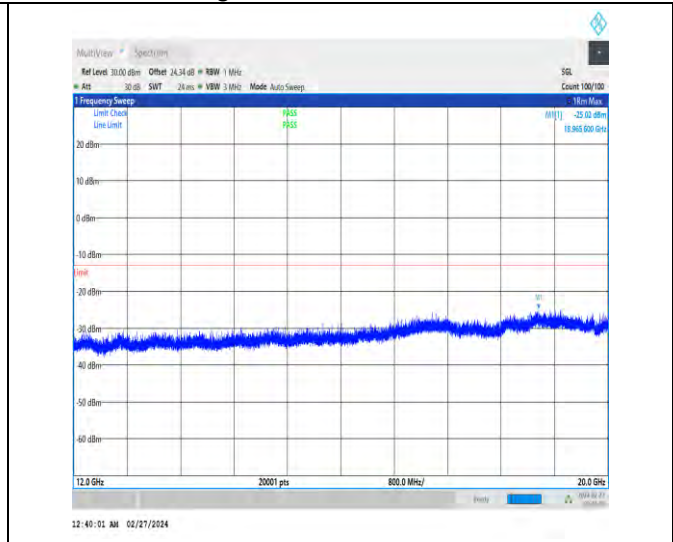
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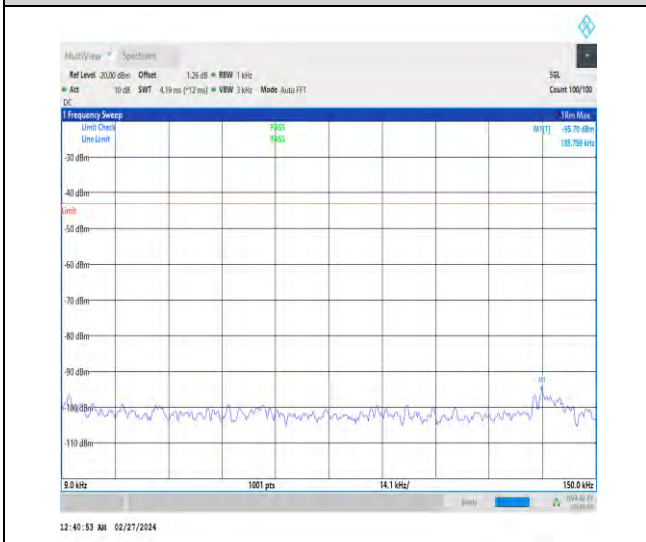
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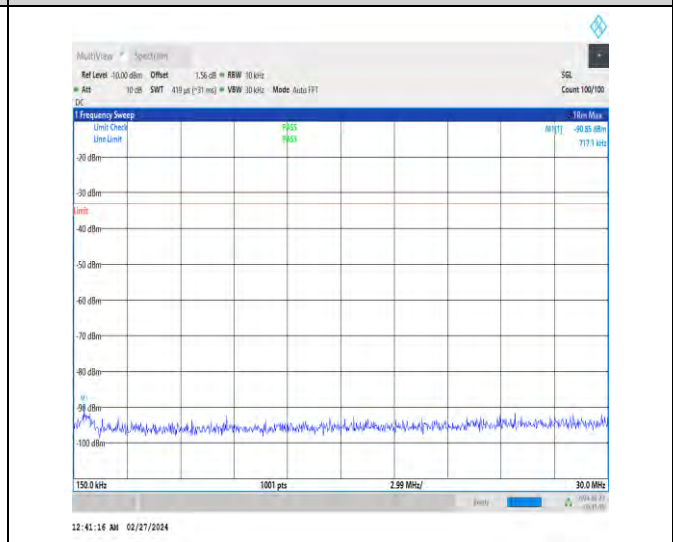
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1-N25-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant4-18965.60--25.02--13-PASS



1-N25-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@ 1-0.009-0.15-Ant4-0.14--95.70--43-PASS



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1-0.15-30-Ant4-0.72--90.85--33-PASS

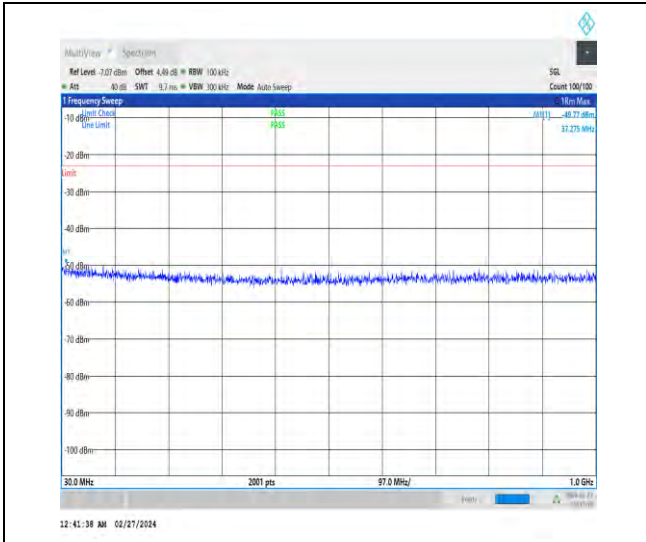


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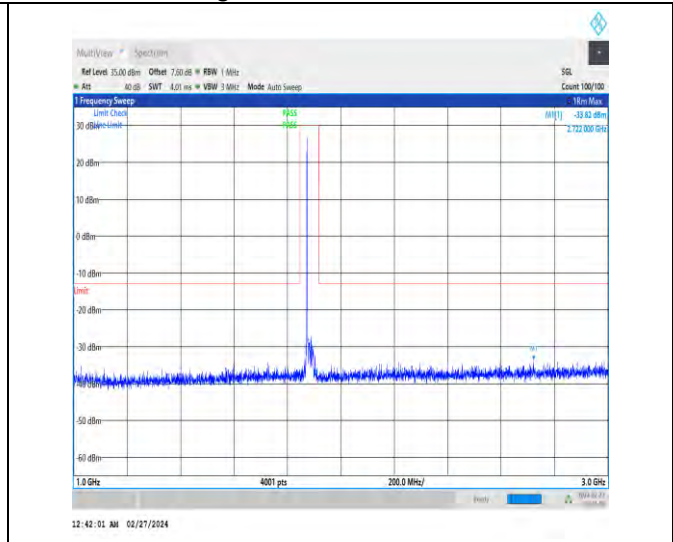
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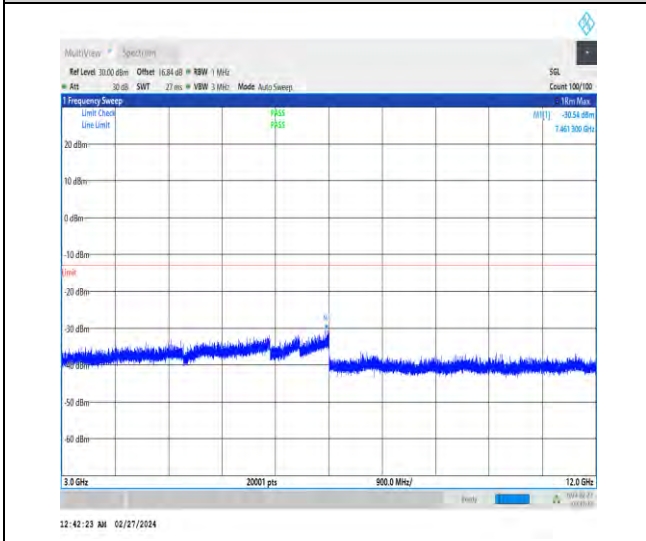
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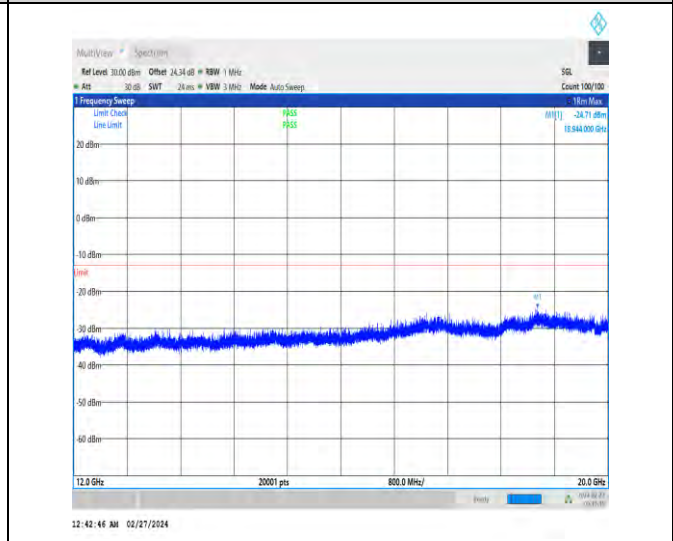
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1-N25-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant4-2722.00--33.82--13-PASS



1-N25-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-3000-12000-Ant4-7461.30--30.54--13-PASS



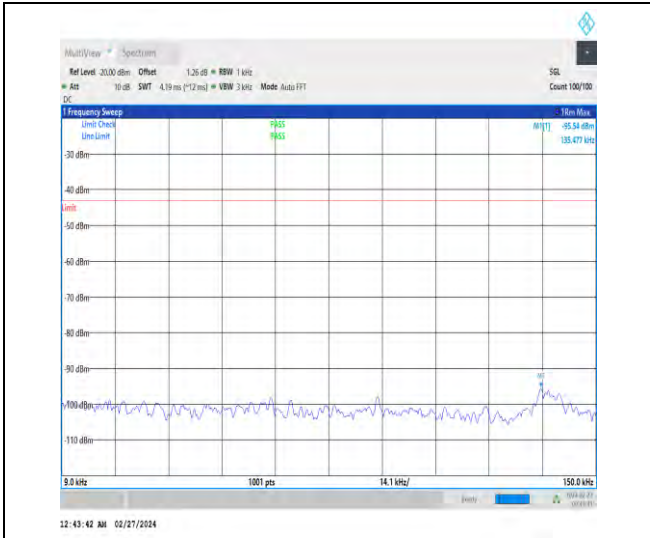
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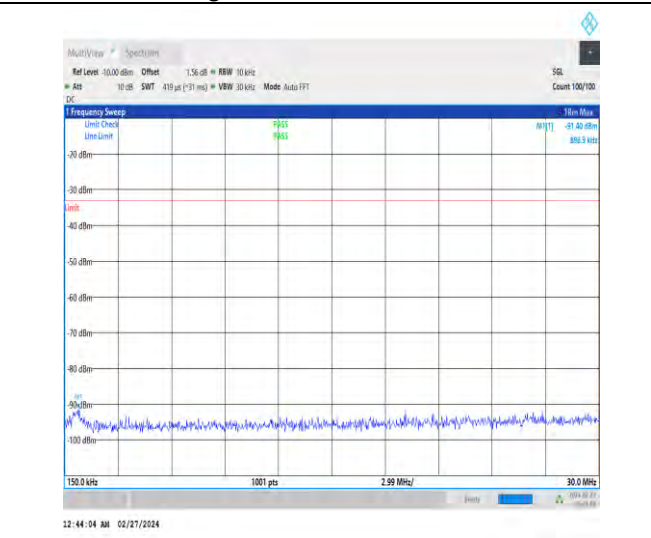
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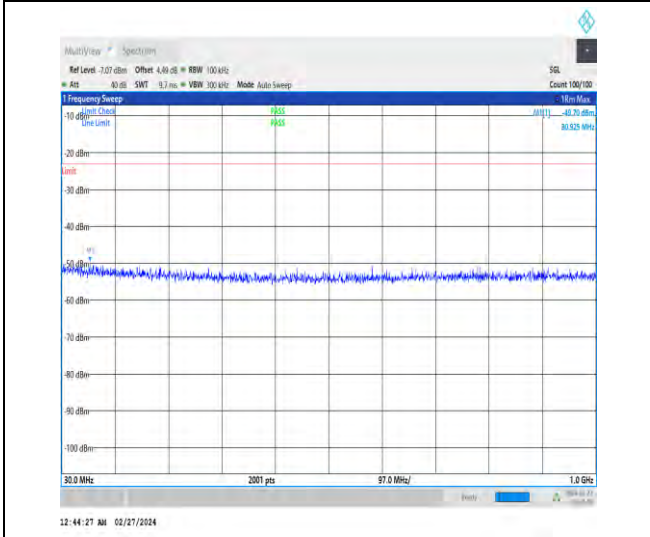
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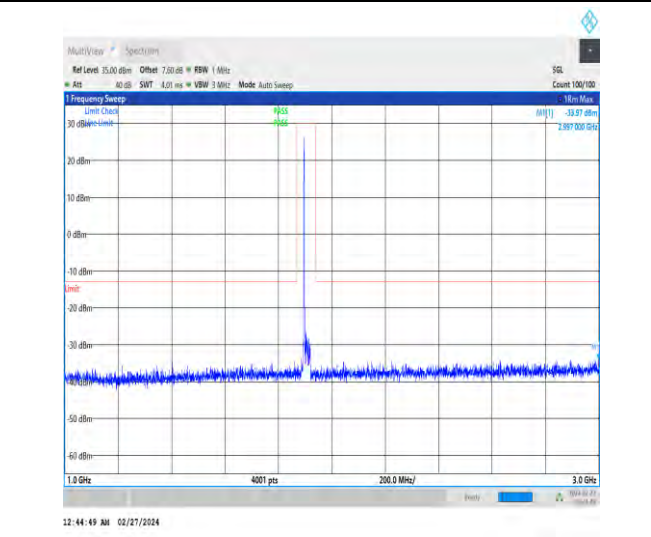
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1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant4-0.90--91.40--33-PASS



1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant4-80.93--49.70--23-PASS



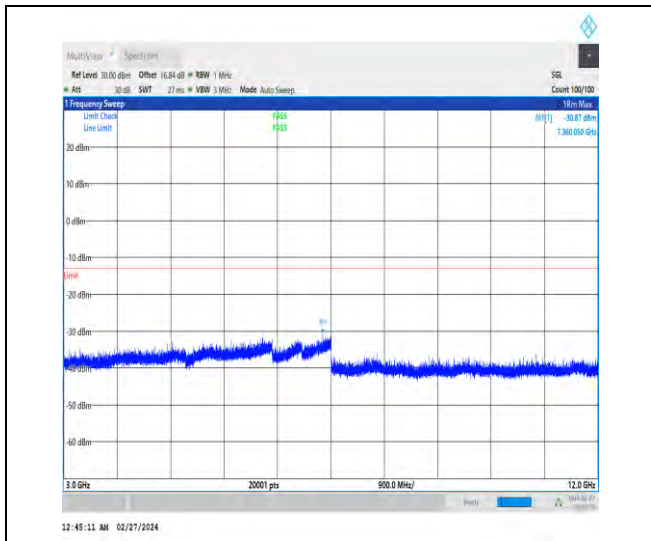
1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant4-2997.00--33.97--13-PASS



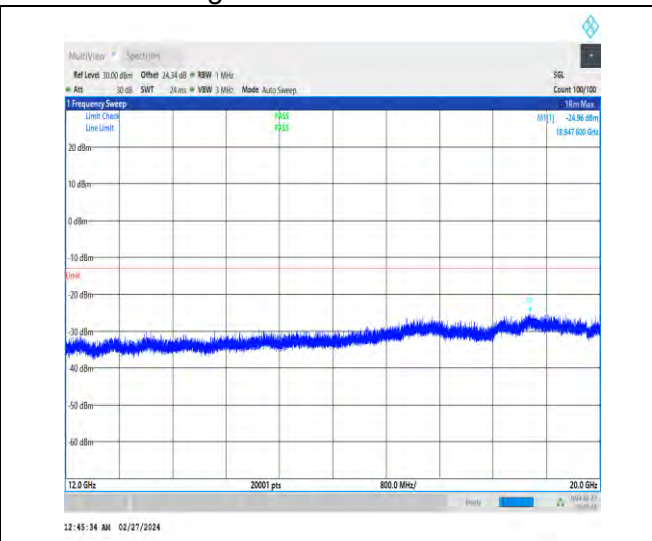
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1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant4-7360.05--30.87--13-PASS



1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant4-18947.60--24.96--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N25

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3750.0375	53.46	-49.36	30.50	-60.66	-13.00	47.66	Horizontal
2	5551.6276	68.99	-45.47	33.21	-38.53	-13.00	25.53	Horizontal
3	6969.1985	51.23	-44.38	36.44	-51.97	-13.00	38.97	Horizontal
4	9490.8245	50.16	-41.48	39.16	-47.42	-13.00	34.42	Horizontal
5	11888.6944	47.52	-37.94	39.55	-46.13	-13.00	33.13	Horizontal
6	17980.499	49.69	-43.72	42.68	-46.61	-13.00	33.61	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3735.7868	53.52	-49.55	30.44	-60.85	-13.00	47.85	Vertical
2	5551.6276	67.81	-45.47	33.21	-39.71	-13.00	26.71	Vertical
3	7468.7234	50.73	-43.40	36.66	-51.27	-13.00	38.27	Vertical
4	9253.0627	51.71	-41.22	39.08	-45.69	-13.00	32.69	Vertical
5	11900.695	47.43	-37.72	39.50	-46.05	-13.00	33.05	Vertical
6	15013.3507	49.05	-38.86	39.89	-45.18	-13.00	32.18	Vertical



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Report No.: SUCR240200003403

Rev.: 01

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Test Band = SA_N25
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3746.2873	53.74	-49.41	30.49	-60.44	-13.00	47.44	Horizontal
2	5619.131	68.60	-45.48	33.36	-38.78	-13.00	25.78	Horizontal
3	7605.9803	50.45	-43.32	36.71	-51.42	-13.00	38.42	Horizontal
4	9365.5683	58.70	-41.52	38.56	-39.52	-13.00	26.52	Horizontal
5	11898.4449	47.20	-37.74	39.51	-46.29	-13.00	33.29	Horizontal
6	15050.1025	48.71	-39.15	39.85	-45.85	-13.00	32.85	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3680.284	54.29	-49.68	30.34	-60.31	-13.00	47.31	Vertical
2	5619.131	71.28	-45.48	33.36	-36.10	-13.00	23.10	Vertical
3	7485.2243	50.68	-43.28	36.63	-51.23	-13.00	38.23	Vertical
4	9472.0736	50.24	-41.42	39.09	-47.35	-13.00	34.35	Vertical
5	11893.1947	47.26	-37.85	39.53	-46.32	-13.00	33.32	Vertical
6	15037.3519	48.71	-39.05	39.86	-45.74	-13.00	32.74	Vertical



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Member of the SGS Group (SGS SA)

Test Band = SA_N25

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3791.2896	59.12	-49.53	30.50	-55.17	-13.00	42.17	Horizontal
2	5686.6343	77.10	-44.86	33.45	-29.57	-13.00	16.57	Horizontal
3	7463.4732	50.36	-43.44	36.67	-51.67	-13.00	38.67	Horizontal
4	9477.3239	67.83	-41.43	39.11	-29.75	-13.00	16.75	Horizontal
5	13268.7634	50.24	-39.08	40.33	-43.77	-13.00	30.77	Horizontal
6	17923.4962	49.03	-42.98	42.34	-46.87	-13.00	33.87	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3791.2896	55.75	-49.53	30.50	-58.54	-13.00	45.54	Vertical
2	5686.6343	82.09	-44.86	33.45	-24.58	-13.00	11.58	Vertical
3	7453.7227	50.42	-43.51	36.69	-51.66	-13.00	38.66	Vertical
4	9478.8239	53.31	-41.44	39.12	-44.27	-13.00	31.27	Vertical
5	13268.7634	47.84	-39.08	40.33	-46.17	-13.00	33.17	Vertical
6	17981.2491	49.58	-43.74	42.69	-46.73	-13.00	33.73	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



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.100000	0.001647	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.400000	0.001806	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	3.000000	0.001594	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VH	NT	-2.600000	-0.001381	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.000000	-0.001594	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VL	NT	-3.800000	-0.002019	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	2.800000	0.001487	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.500000	0.000797	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.500000	0.000266	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	1.300000	0.000691	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.000000	-0.000531	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	1.200000	0.000637	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	1.200000	0.000637	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.100000	-0.002178	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.200000	-0.000637	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	-30	-2.500000	-0.001328	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	-20	-4.300000	-0.002284	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	-10	-1.700000	-0.000903	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	0	-3.600000	-0.001912	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	10	-2.800000	-0.001487	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	20	-4.300000	-0.002284	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.500000	-0.001328	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	40	-2.800000	-0.001487	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	50	-3.000000	-0.001594	PASS

---End of Attachment---



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