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Appendix B.25

NR Band n66



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Member of the SGS Group (SGS SA)

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N66	15	5	DFT-QPSK	L	Inner_1RB_Left	22.69	22.26	30.00	PASS
N66	15	5	DFT-16QAM	L	Inner_1RB_Left	21.35	20.92	30.00	PASS
N66	15	5	DFT-QPSK	M	Inner_1RB_Left	22.62	22.19	30.00	PASS
N66	15	5	DFT-16QAM	M	Inner_1RB_Left	21.90	21.47	30.00	PASS
N66	15	5	DFT-QPSK	H	Inner_1RB_Left	22.72	22.29	30.00	PASS
N66	15	5	DFT-16QAM	H	Inner_1RB_Left	21.56	21.13	30.00	PASS
N66	15	10	DFT-QPSK	L	Inner_1RB_Left	23.19	22.76	30.00	PASS
N66	15	10	DFT-16QAM	L	Inner_1RB_Left	22.37	21.94	30.00	PASS
N66	15	10	DFT-QPSK	M	Inner_1RB_Left	22.78	22.35	30.00	PASS
N66	15	10	DFT-16QAM	M	Inner_1RB_Left	22.06	21.63	30.00	PASS
N66	15	10	DFT-QPSK	H	Inner_1RB_Left	22.84	22.41	30.00	PASS
N66	15	10	DFT-16QAM	H	Inner_1RB_Left	22.13	21.70	30.00	PASS
N66	15	15	DFT-QPSK	L	Inner_1RB_Left	23.21	22.78	30.00	PASS
N66	15	15	DFT-16QAM	L	Inner_1RB_Left	22.46	22.03	30.00	PASS
N66	15	15	DFT-QPSK	M	Inner_1RB_Left	22.76	22.33	30.00	PASS
N66	15	15	DFT-16QAM	M	Inner_1RB_Left	22.09	21.66	30.00	PASS
N66	15	15	DFT-16QAM	H	Inner_1RB_Left	22.15	21.72	30.00	PASS
N66	15	20	DFT-QPSK	L	Inner_1RB_Left	23.18	22.75	30.00	PASS
N66	15	20	DFT-16QAM	L	Inner_1RB_Left	22.44	22.01	30.00	PASS
N66	15	20	DFT-QPSK	M	Inner_1RB_Left	23.25	22.82	30.00	PASS
N66	15	20	DFT-16QAM	M	Inner_1RB_Left	22.41	21.98	30.00	PASS
N66	15	20	DFT-QPSK	H	Inner_1RB_Left	22.75	22.32	30.00	PASS
N66	15	20	DFT-16QAM	H	Inner_1RB_Left	21.98	21.55	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.24	22.81	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	22.87	22.44	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Outer_Full	22.48	22.05	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Left	23.27	22.84	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Right	22.89	22.46	30.00	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	22.36	21.93	30.00	PASS
N66	15	40	DFT-16QAM	L	Inner_1RB_Left	22.23	21.80	30.00	PASS



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N66	15	40	DFT-16QAM	L	Inner_1RB_Right	22.16	21.73	30.00	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	22.02	21.59	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Left	20.78	20.35	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Right	20.62	20.19	30.00	PASS
N66	15	40	DFT-64QAM	L	Outer_Full	20.36	19.93	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Left	18.63	18.20	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Right	18.32	17.89	30.00	PASS
N66	15	40	DFT-256QAM	L	Outer_Full	18.57	18.14	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	22.94	22.51	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	22.34	21.91	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Left	22.96	22.53	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Right	22.94	22.51	30.00	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	21.88	21.45	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Left	22.19	21.76	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Right	22.14	21.71	30.00	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	20.90	20.47	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Left	20.78	20.35	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Right	20.68	20.25	30.00	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	20.47	20.04	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Left	18.44	18.01	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Right	18.49	18.06	30.00	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	18.41	17.98	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Left	22.88	22.45	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Right	23.19	22.76	30.00	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	22.00	21.57	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Left	21.94	21.51	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Right	22.28	21.85	30.00	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	20.99	20.56	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Left	20.53	20.10	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Right	20.85	20.42	30.00	PASS
N66	15	40	DFT-64QAM	H	Outer_Full	20.55	20.12	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Left	18.28	17.85	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Right	18.60	18.17	30.00	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	18.55	18.12	30.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N66	15	40	DFT-256QAM	L	Outer_Full	6.30	13	PASS
N66	15	40	CP-256QAM	L	Outer_Full	6.69	13	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	6.24	13	PASS
N66	15	40	CP-256QAM	M	Outer_Full	6.66	13	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	6.28	13	PASS
N66	15	40	CP-256QAM	H	Outer_Full	6.62	13	PASS

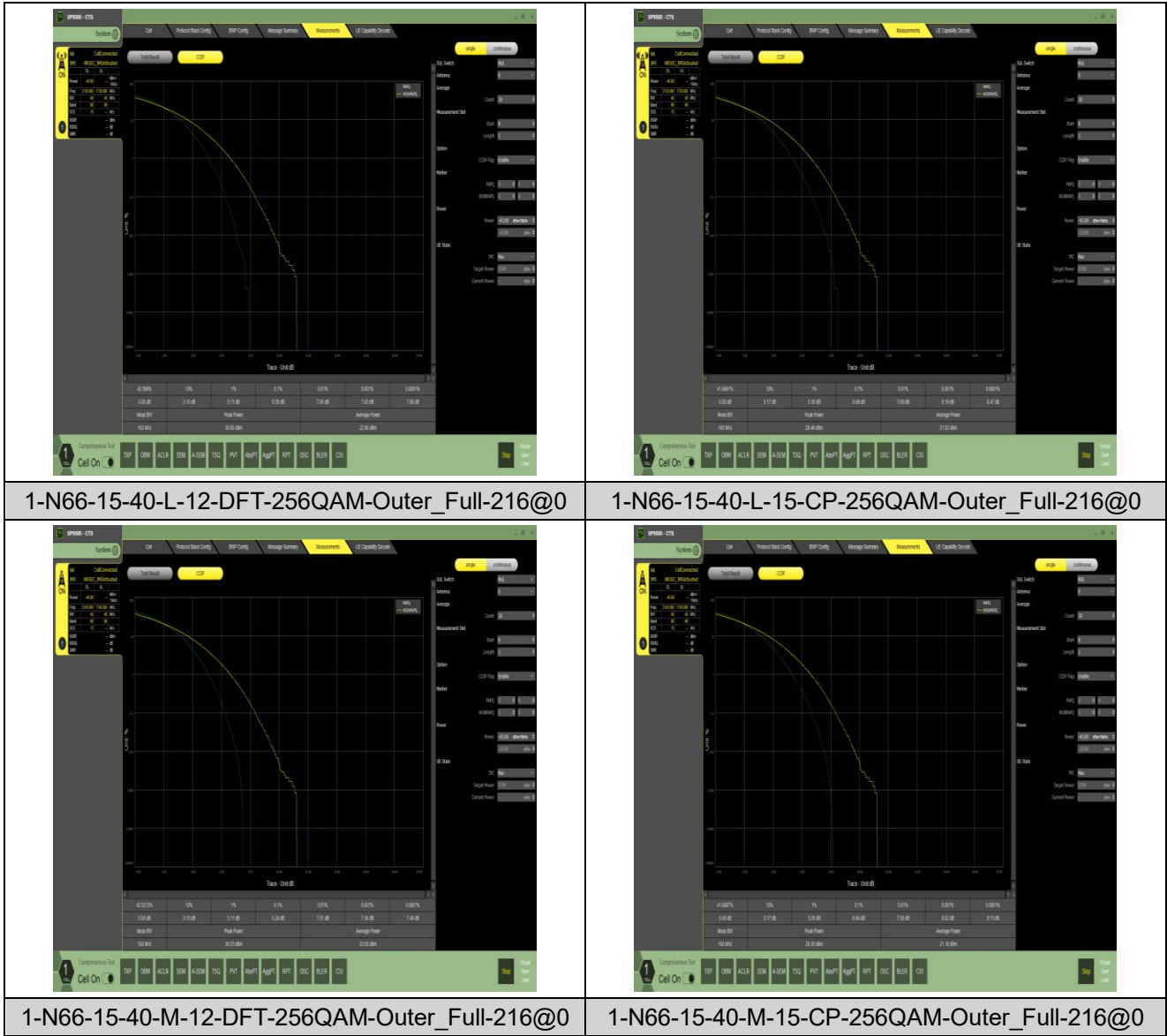


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Test Graphs



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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
N66	15	5	DFT-QPSK	M	Outer_Full	4.511	4.950	PASS
N66	15	5	DFT-PI2BPSK	M	Outer_Full	4.507	4.940	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.496	4.930	PASS
N66	15	5	DFT-64QAM	M	Outer_Full	4.516	4.970	PASS
N66	15	5	DFT-256QAM	M	Outer_Full	4.506	4.960	PASS
N66	15	5	CP-QPSK	M	Outer_Full	4.492	4.940	PASS
N66	15	5	CP-16QAM	M	Outer_Full	4.507	4.950	PASS
N66	15	5	CP-64QAM	M	Outer_Full	4.506	5.440	PASS
N66	15	5	CP-256QAM	M	Outer_Full	4.494	4.950	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.911	9.420	PASS
N66	15	10	DFT-PI2BPSK	M	Outer_Full	8.941	9.420	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.908	9.420	PASS
N66	15	10	DFT-64QAM	M	Outer_Full	8.933	9.440	PASS
N66	15	10	DFT-256QAM	M	Outer_Full	8.919	9.400	PASS
N66	15	10	CP-QPSK	M	Outer_Full	9.286	9.840	PASS
N66	15	10	CP-16QAM	M	Outer_Full	9.306	9.860	PASS
N66	15	10	CP-64QAM	M	Outer_Full	9.284	9.800	PASS
N66	15	10	CP-256QAM	M	Outer_Full	9.272	9.820	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.452	14.340	PASS
N66	15	15	DFT-PI2BPSK	M	Outer_Full	13.465	14.310	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.441	14.310	PASS
N66	15	15	DFT-64QAM	M	Outer_Full	13.483	14.370	PASS
N66	15	15	DFT-256QAM	M	Outer_Full	13.45	14.310	PASS
N66	15	15	CP-QPSK	M	Outer_Full	14.175	18.930	PASS
N66	15	15	CP-16QAM	M	Outer_Full	14.18	15.090	PASS
N66	15	15	CP-64QAM	M	Outer_Full	14.176	15.060	PASS
N66	15	15	CP-256QAM	M	Outer_Full	14.147	15.030	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.872	18.920	PASS
N66	15	20	DFT-PI2BPSK	M	Outer_Full	17.916	18.760	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.879	18.920	PASS



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N66	15	20	DFT-64QAM	M	Outer_Full	17.922	18.960	PASS
N66	15	20	DFT-256QAM	M	Outer_Full	17.883	18.920	PASS
N66	15	20	CP-QPSK	M	Outer_Full	18.97	20.000	PASS
N66	15	20	CP-16QAM	M	Outer_Full	18.937	20.000	PASS
N66	15	20	CP-64QAM	M	Outer_Full	18.977	19.960	PASS
N66	15	20	CP-256QAM	M	Outer_Full	18.917	20.000	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	38.907	41.280	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	38.791	41.360	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	38.727	41.360	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	38.88	41.360	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	38.828	41.280	PASS
N66	15	40	CP-QPSK	M	Outer_Full	38.955	44.560	PASS
N66	15	40	CP-16QAM	M	Outer_Full	38.87	41.360	PASS
N66	15	40	CP-64QAM	M	Outer_Full	38.858	41.360	PASS
N66	15	40	CP-256QAM	M	Outer_Full	38.82	41.280	PASS



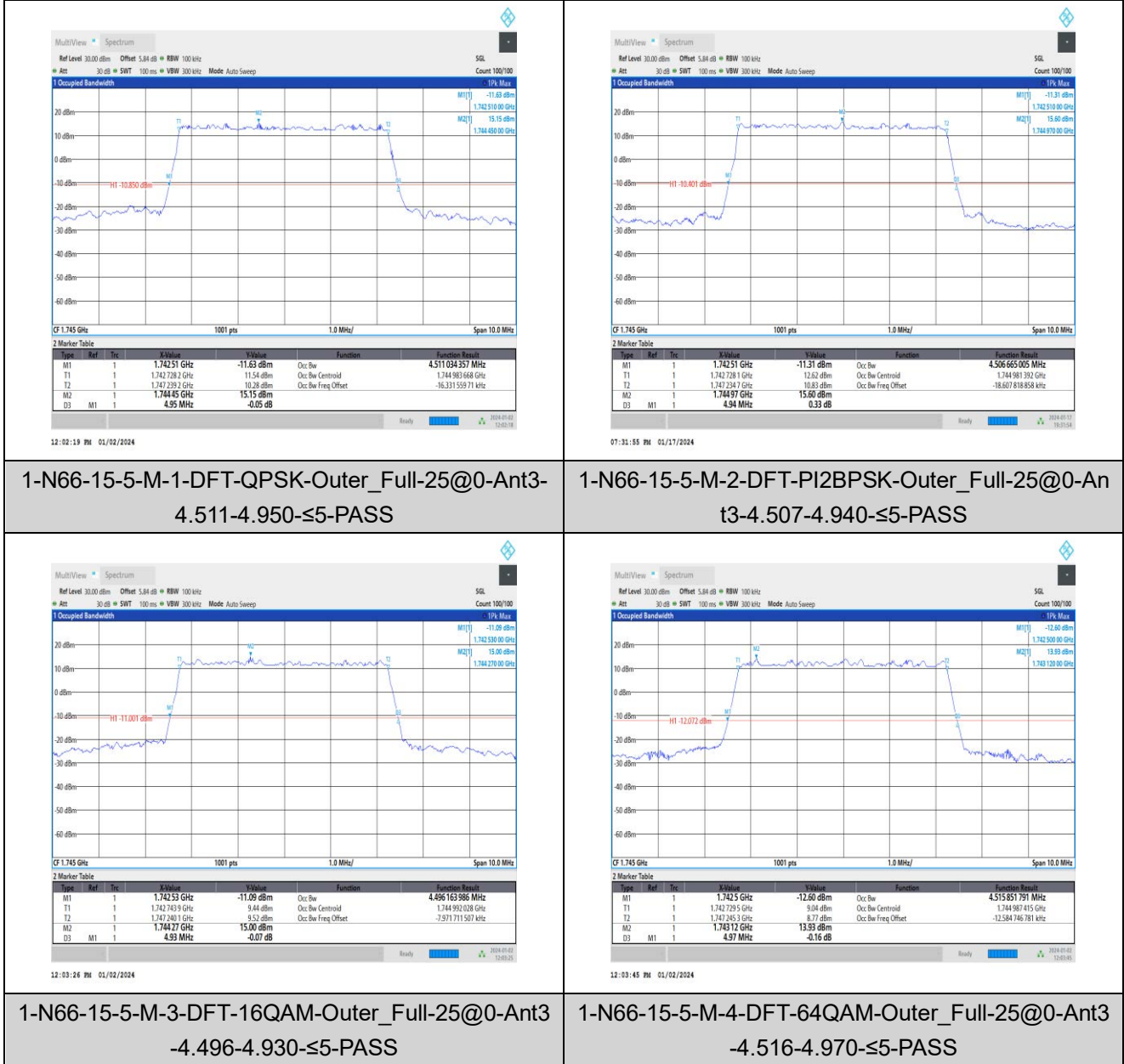
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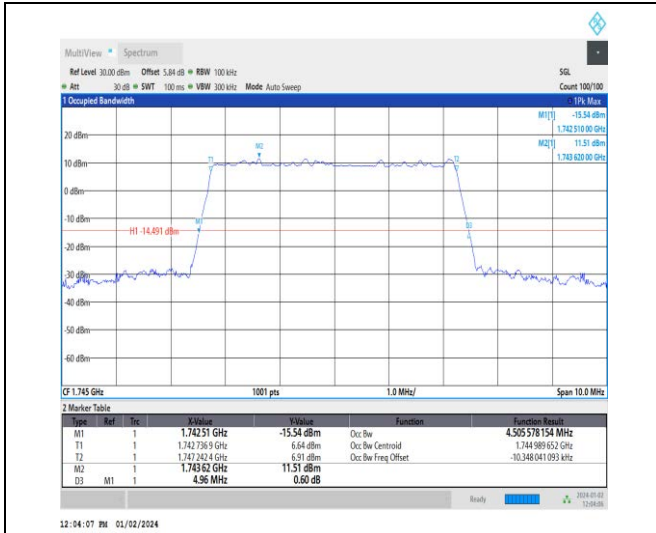
Test Graphs



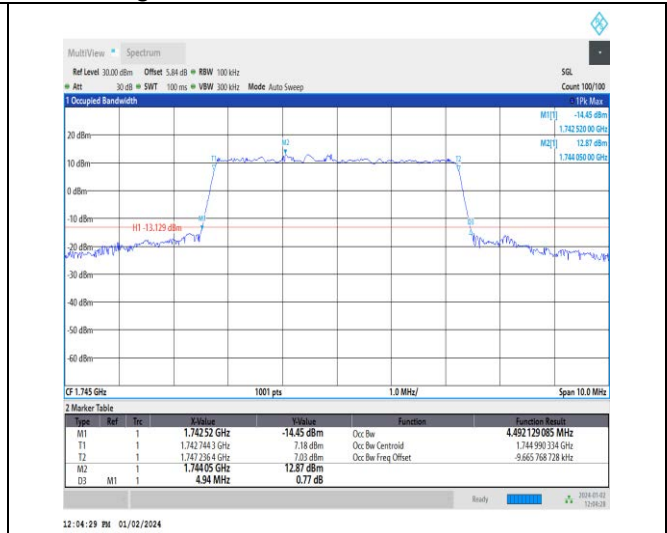
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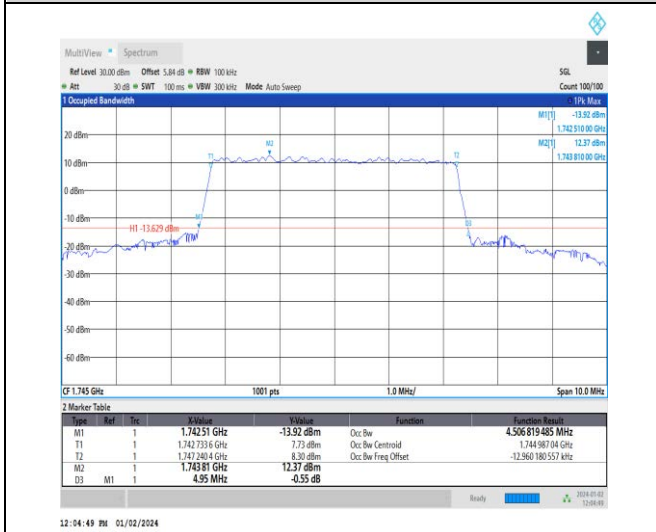
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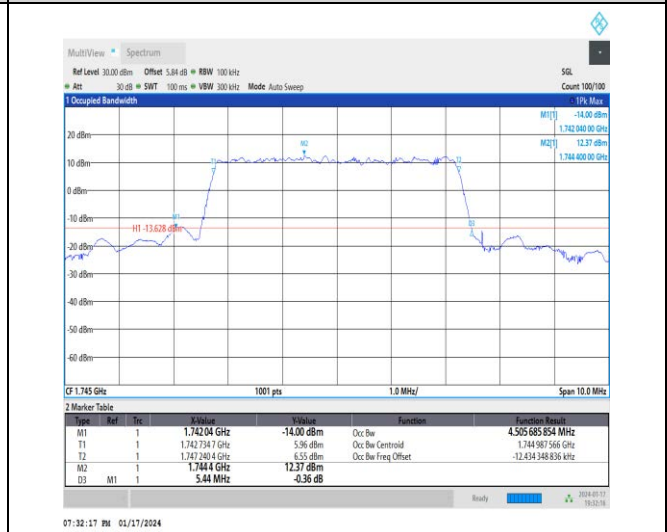
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3-4.506-4.960-≤5-PASS



1-N66-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant3-4.
492-4.940-≤5-PASS



1-N66-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant3-
4.507-4.950-≤5-PASS



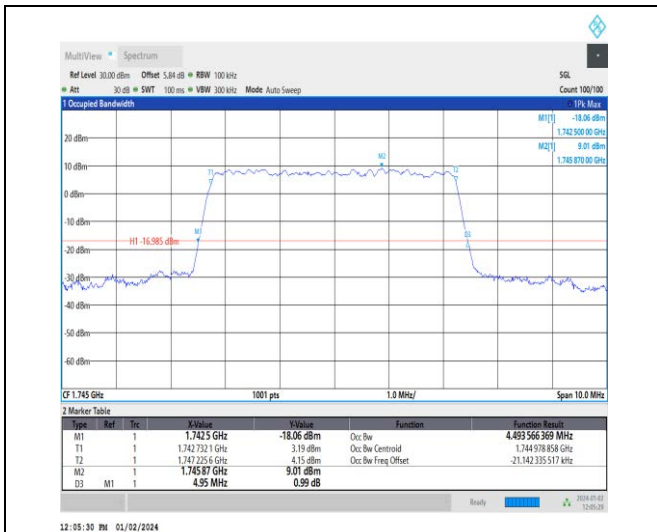
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4.506-5.440-≤5-PASS



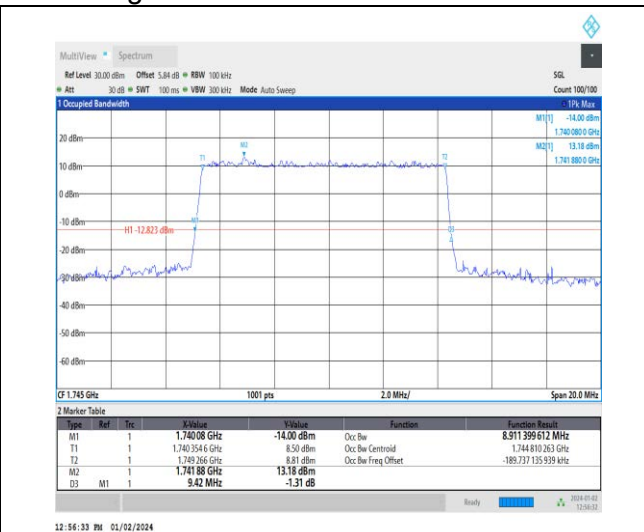
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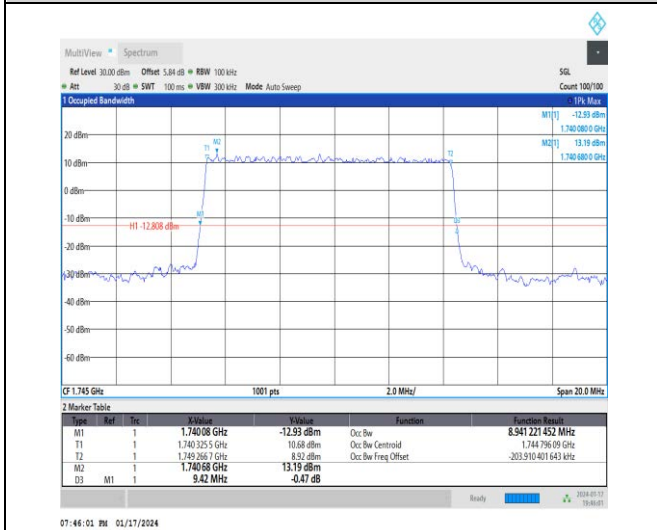
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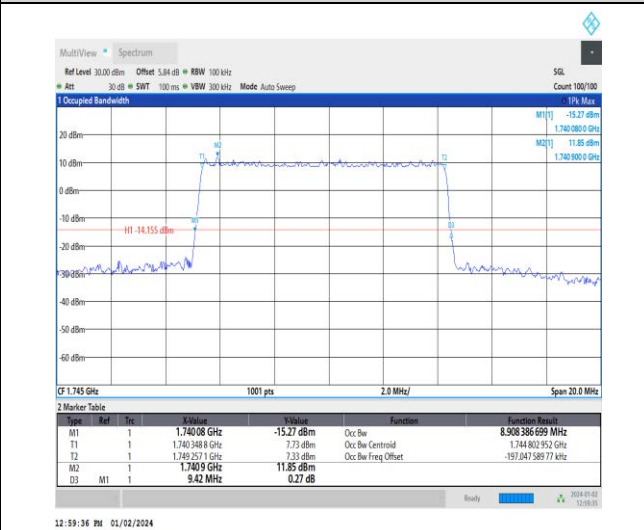
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 -4.494-4.950-≤5-PASS



1-N66-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant3
 -8.911-9.420-≤10-PASS



1-N66-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant3
 -8.941-9.420-≤10-PASS



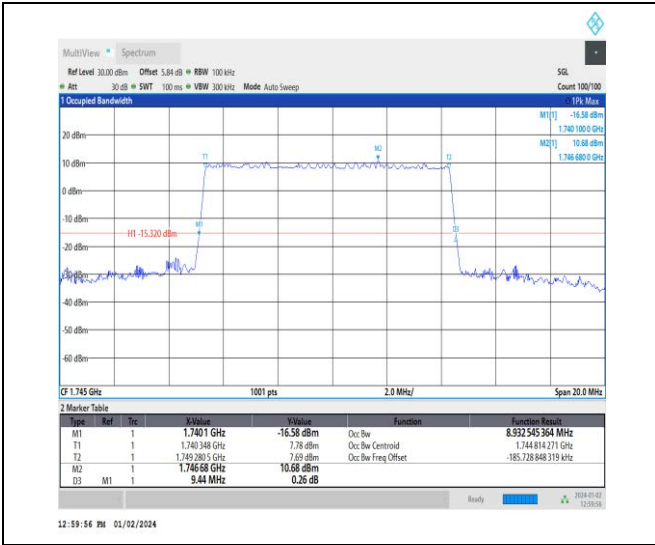
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 3-8.908-9.420-≤10-PASS



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1-N66-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
3-8.933-9.440-≤10-PASS



1-N66-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant
nt3-8.919-9.400-≤10-PASS



1-N66-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant3
9.286-9.840-≤10-PASS



1-N66-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant3
-9.306-9.860-≤10-PASS



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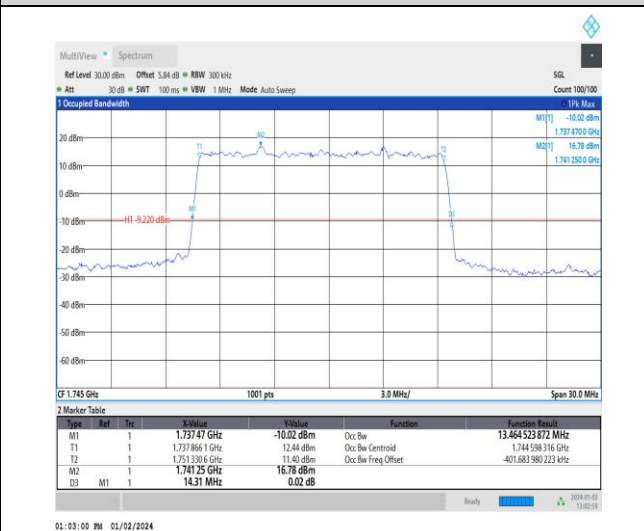
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 -9.284-9.800-≤10-PASS



1-N66-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
 3-9.272-9.820-≤10-PASS



1-N66-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant3
 -13.452-14.340-≤15-PASS



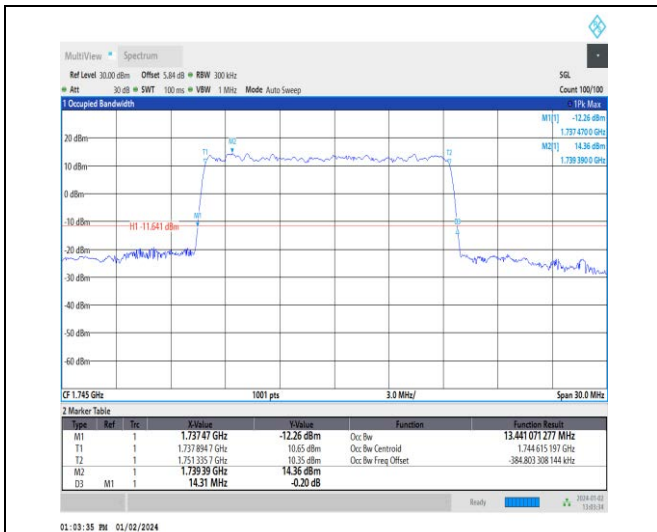
1-N66-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant3
 nt3-13.465-14.310-≤15-PASS



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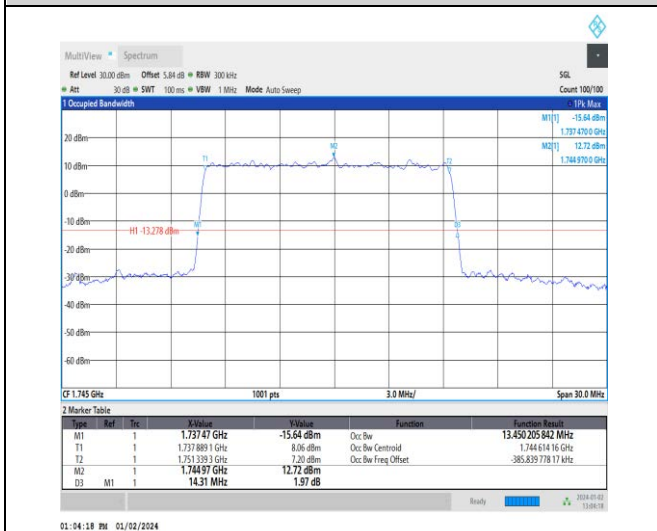
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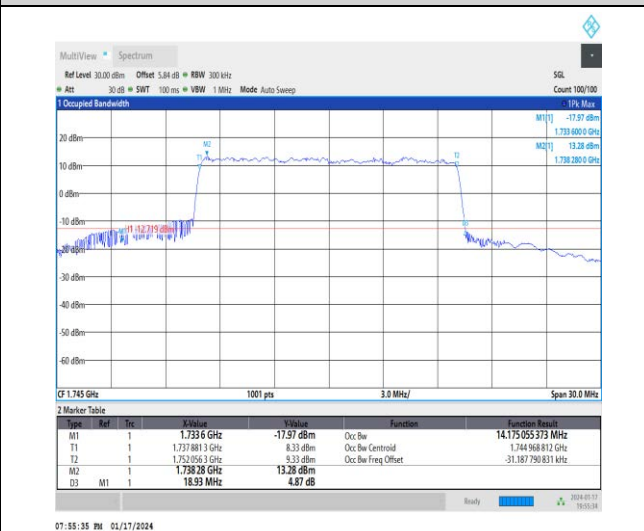
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 3-13.441-14.310-≤15-PASS



1-N66-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
 3-13.483-14.370-≤15-PASS



1-N66-15-15-M-5-DFT-256QAM-Outer_Full-75@0-A
 nt3-13.45-14.310-≤15-PASS



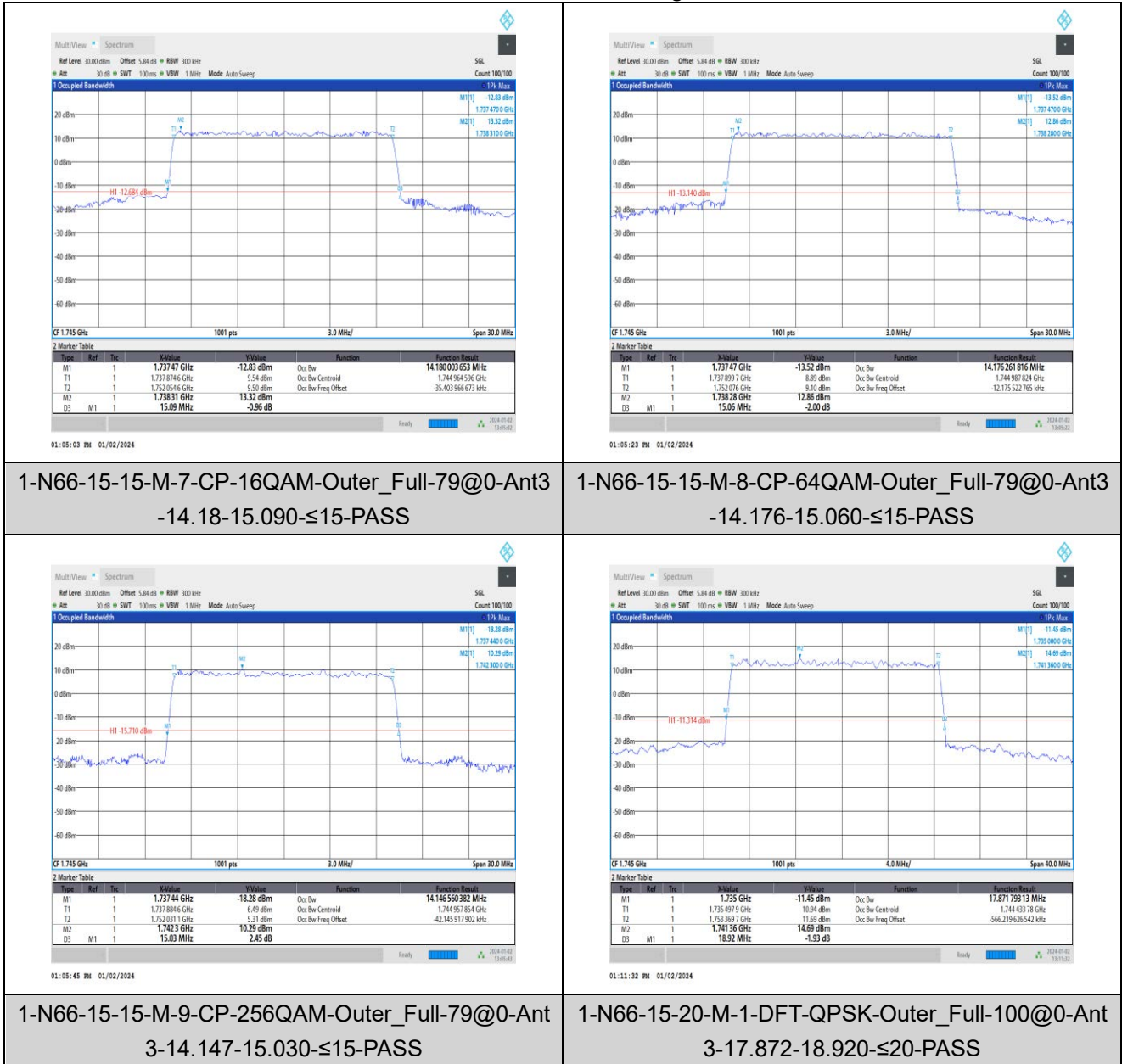
1-N66-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant3
 14.175-18.930-≤15-PASS



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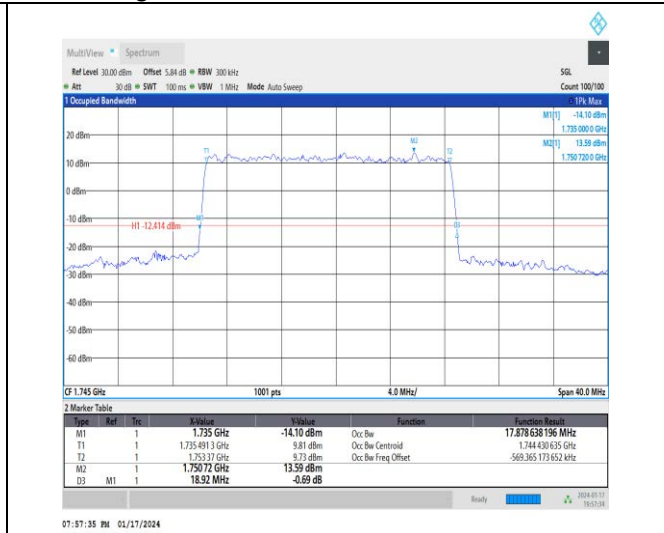
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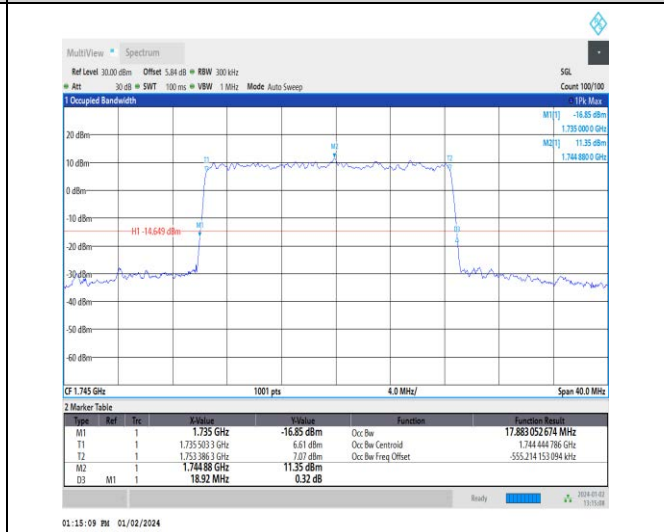
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1-N66-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant3-17.879-18.920-<=20-PASS



1-N66-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant3-17.922-18.960-<=20-PASS



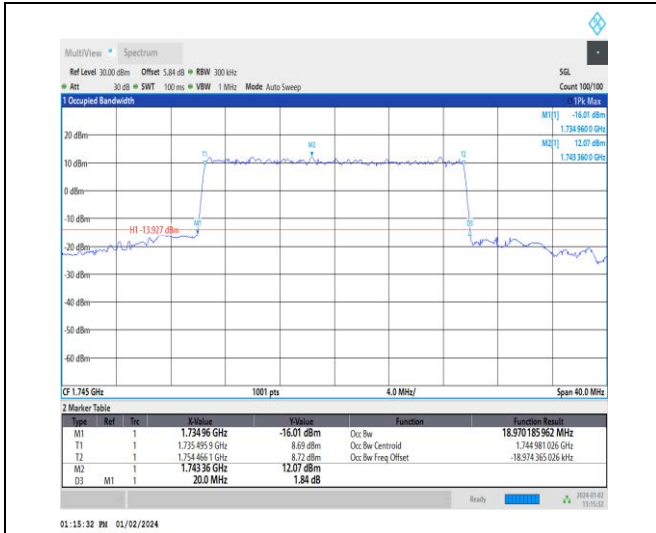
1-N66-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant3-17.883-18.920-<=20-PASS



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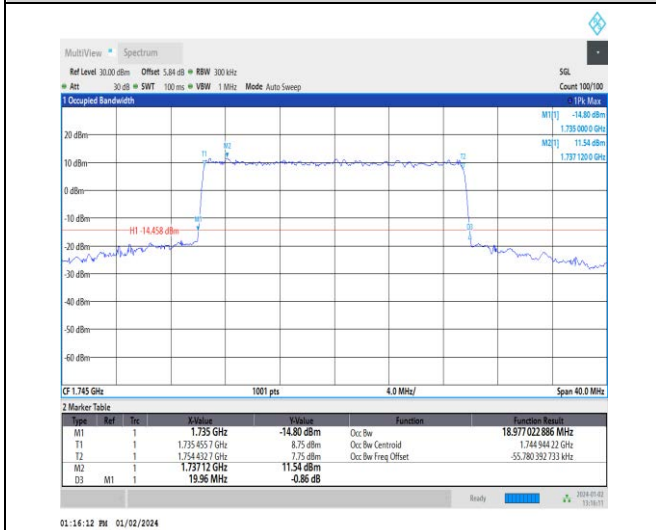
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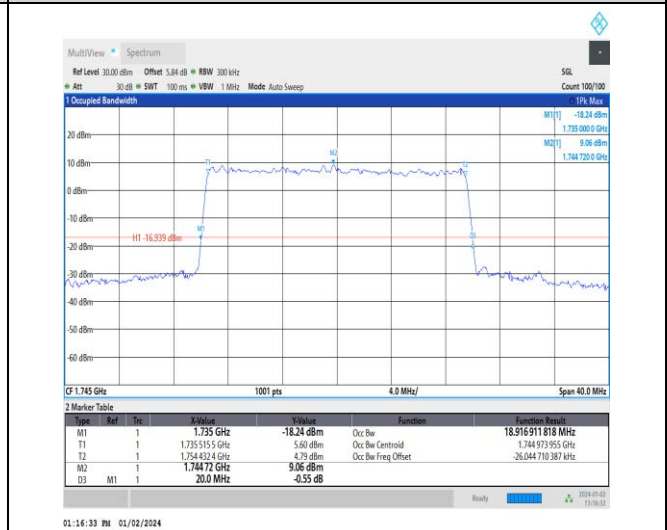
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3-18.937-20.000-≤20-PASS



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3-18.977-19.960-≤20-PASS



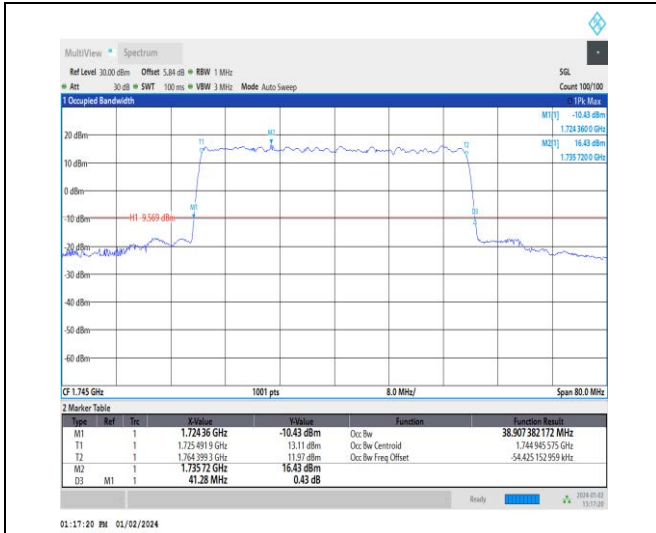
1-N66-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant3
nt3-18.917-20.000-≤20-PASS



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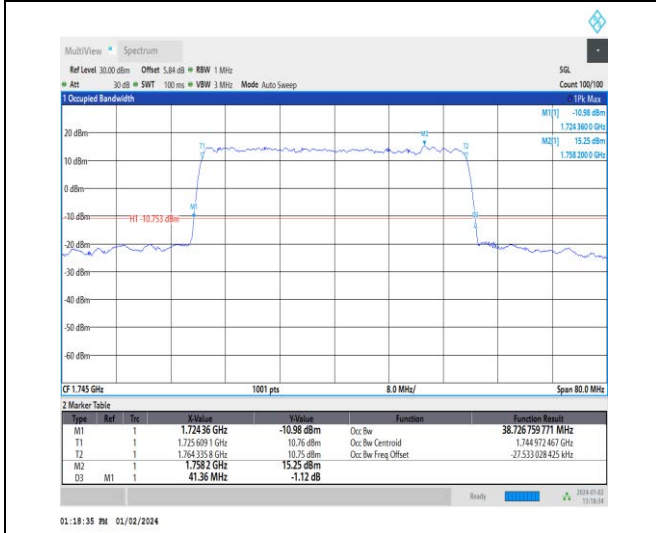
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1-N66-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant
3-38.907-41.280-≤40-PASS



1-N66-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant
3-38.791-41.360-≤40-PASS



1-N66-15-40-M-3-DFT-16QAM-Outer_Full-216@0-Ant
3-38.727-41.360-≤40-PASS



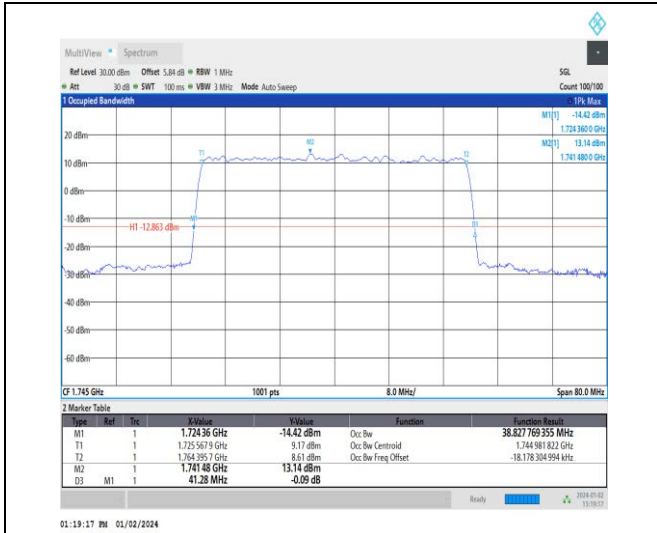
1-N66-15-40-M-4-DFT-64QAM-Outer_Full-216@0-Ant
3-38.88-41.360-≤40-PASS



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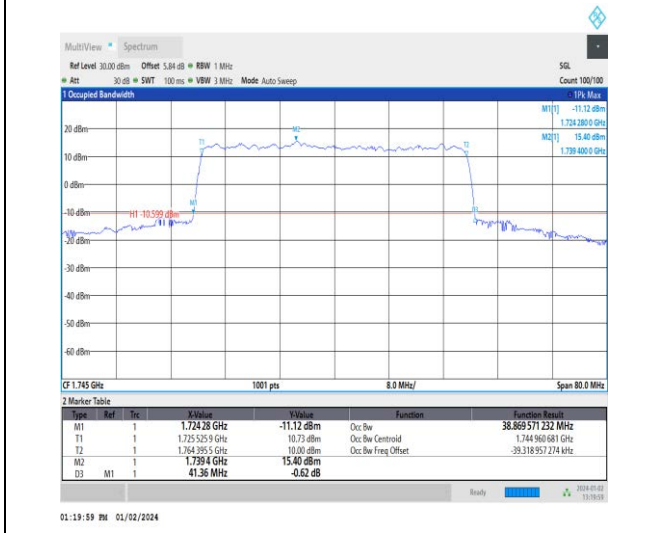
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1-N66-15-40-M-5-DFT-256QAM-Outer_Full-216@0-Ant3-38.828-41.280-≤40-PASS

1-N66-15-40-M-6-CP-QPSK-Outer_Full-216@0-Ant3-38.955-44.560-≤40-PASS



1-N66-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant 3-38.87-41.360-≤40-PASS

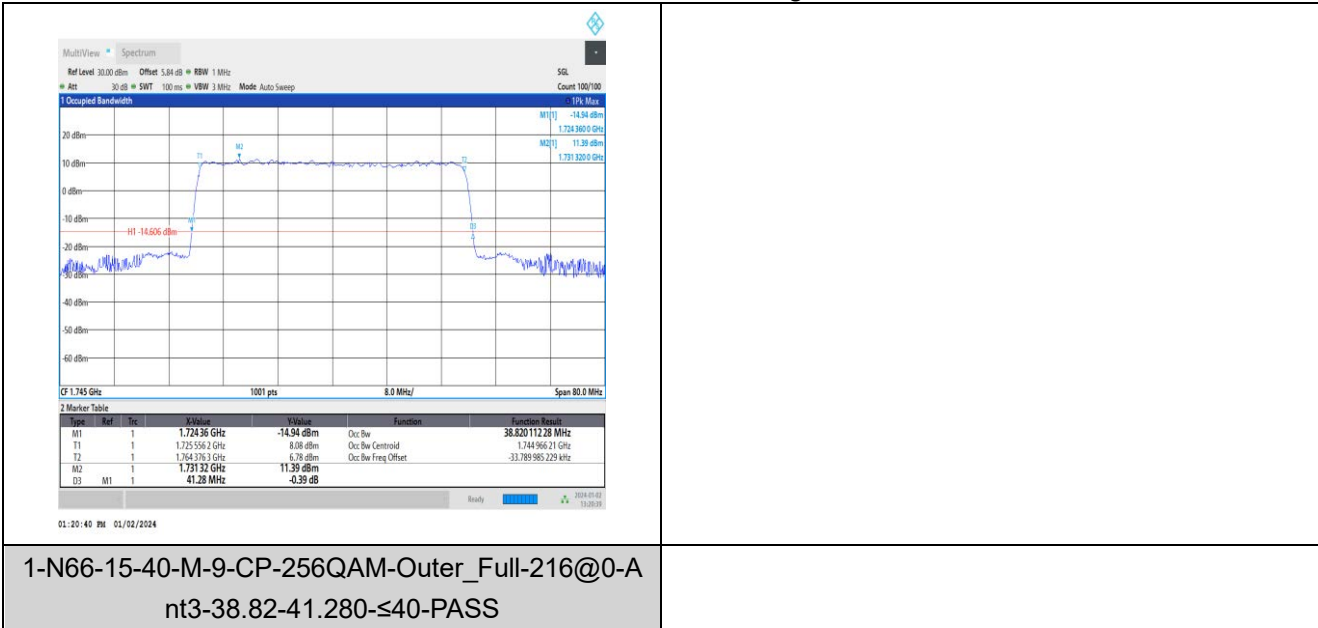
1-N66-15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant 3-38.858-41.360-≤40-PASS



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1-N66-15-40-M-9-CP-256QAM-Outer_Full-216@0-A
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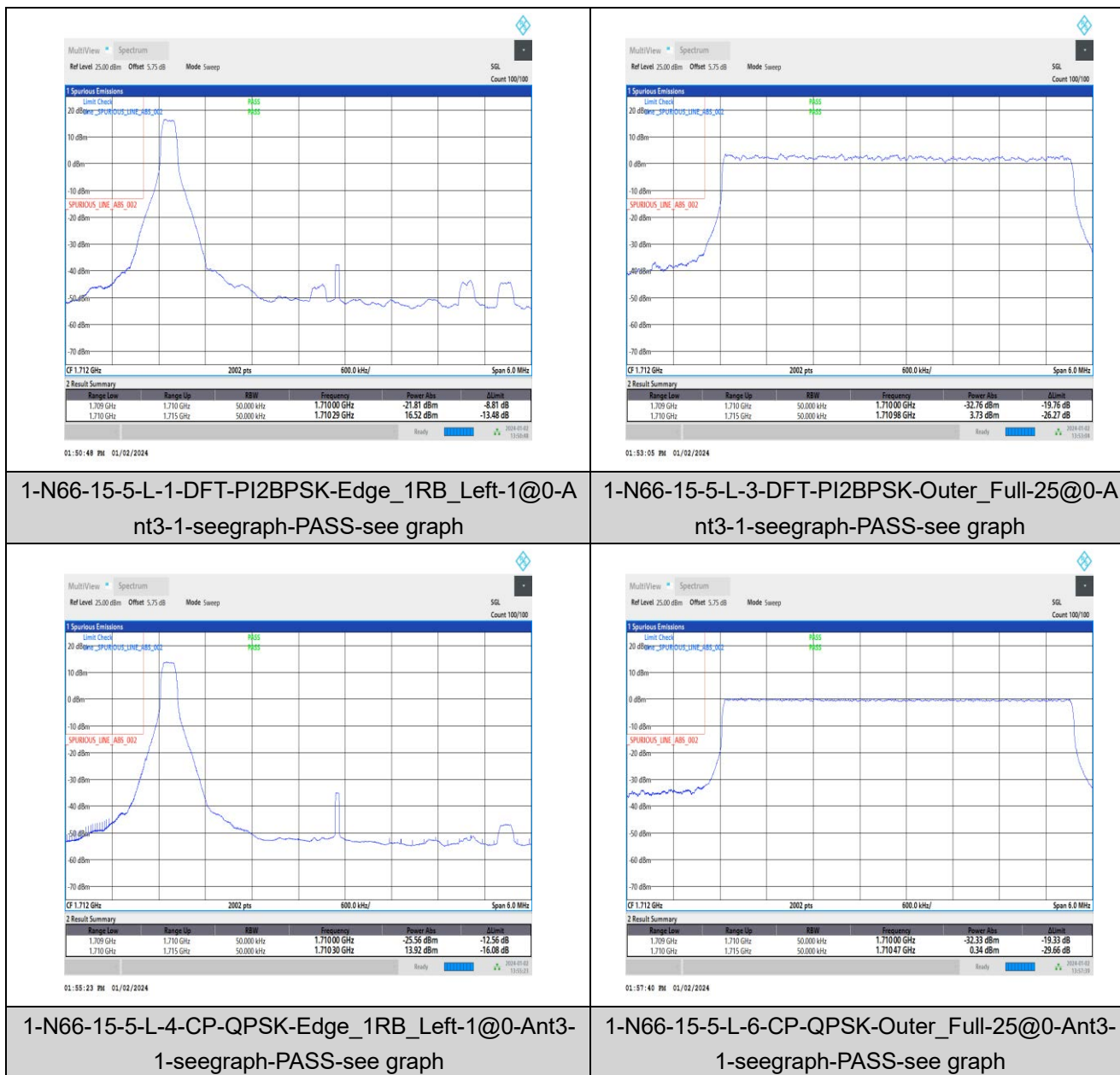
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Band Edge for SA

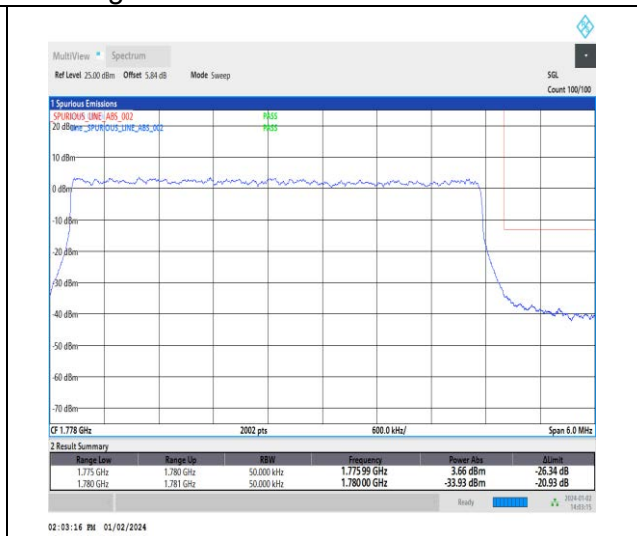
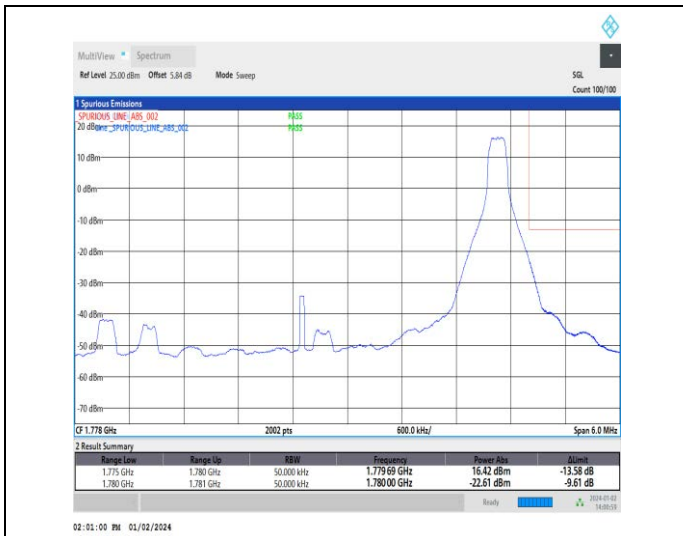
Test Graphs



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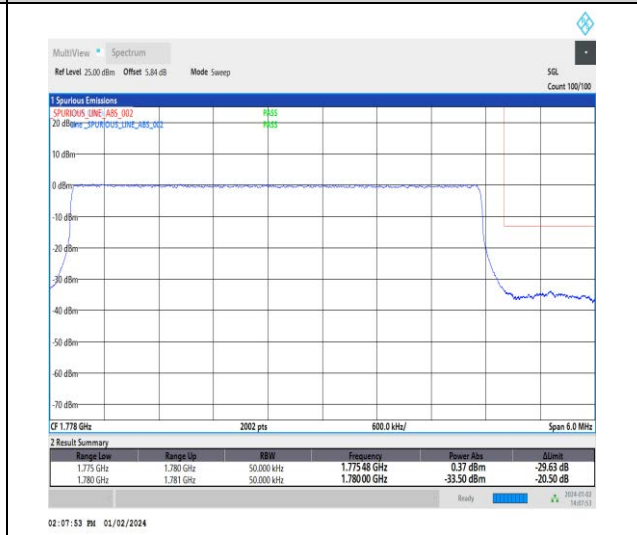
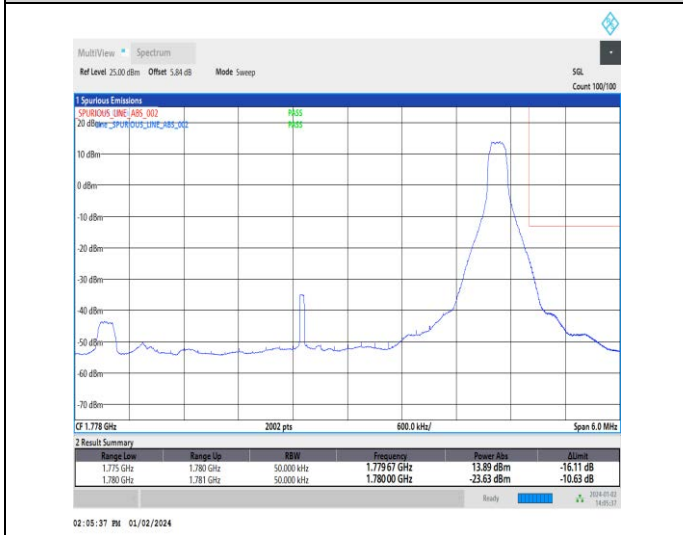
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1-N66-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2-4-Ant3-1-seegraph-PASS-see graph

1-N66-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant3-1-seegraph-PASS-see graph

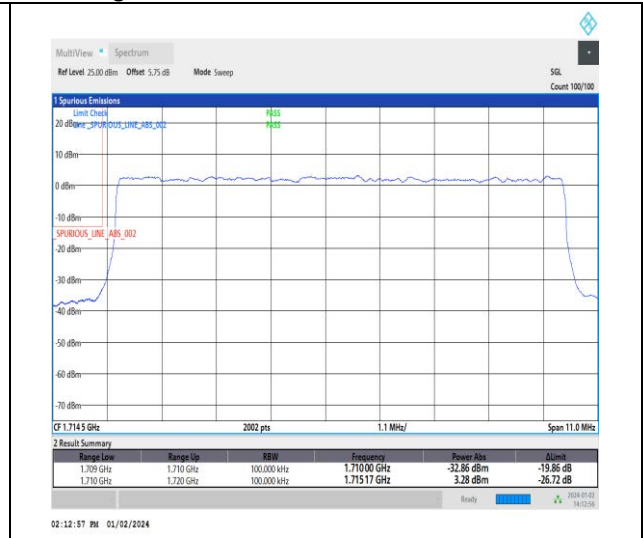
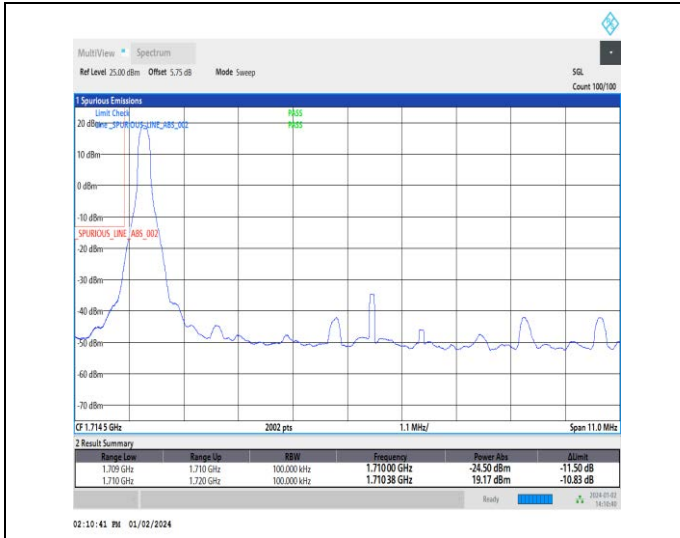
1-N66-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant3-1-seegraph-PASS-see graph



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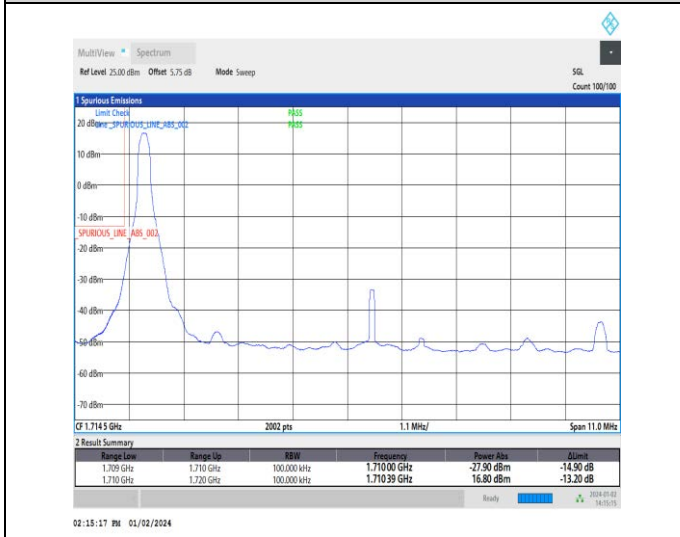
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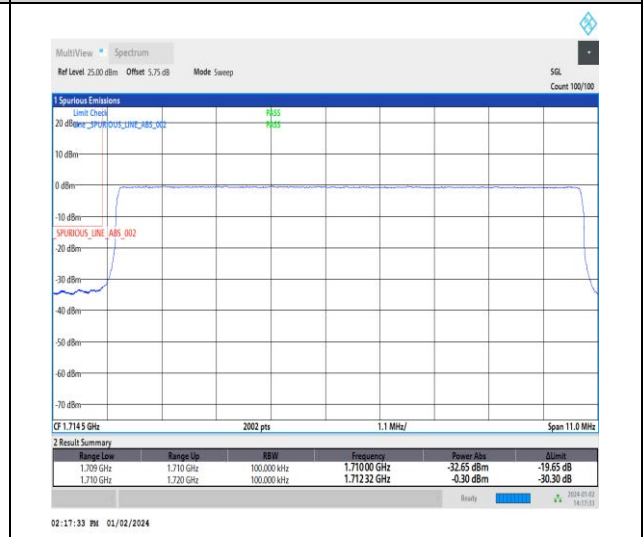


1-N66-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph



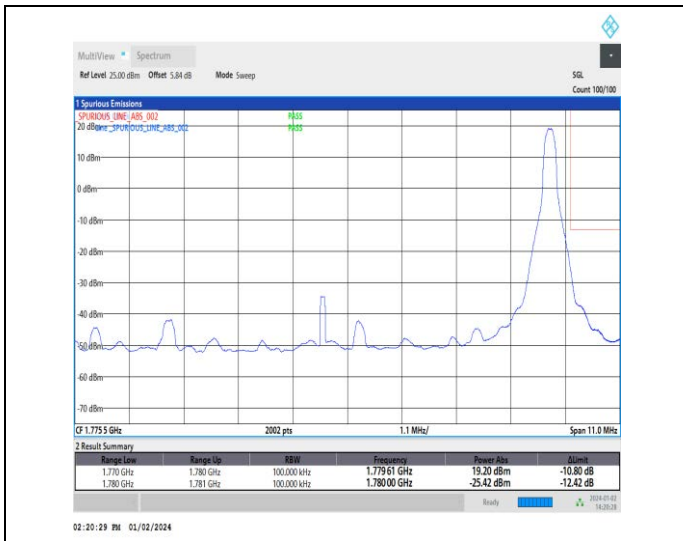
1-N66-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant3-1-seegraph-PASS-see graph



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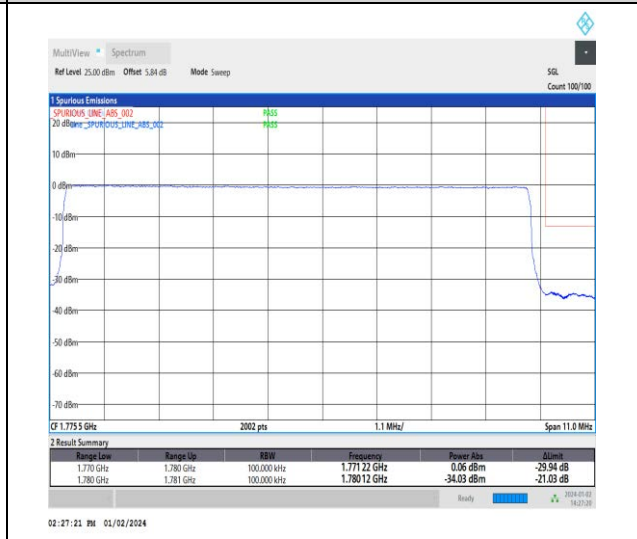
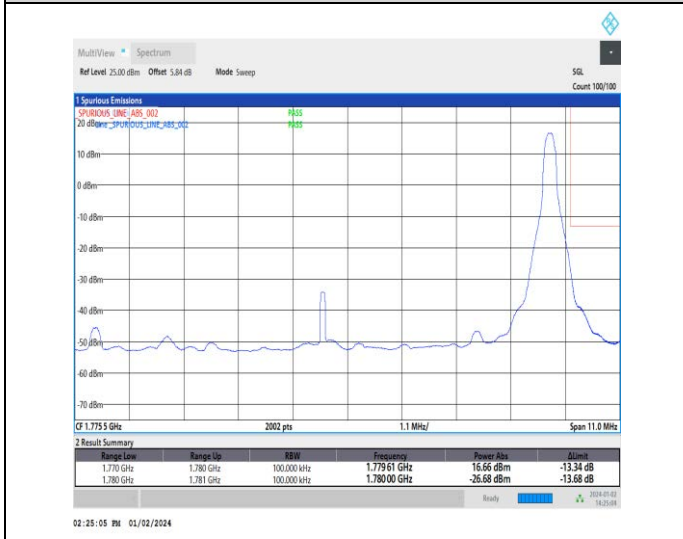
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1-N66-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant3-1-seegraph-PASS-see graph

1-N66-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant3-1-seegraph-PASS-see graph

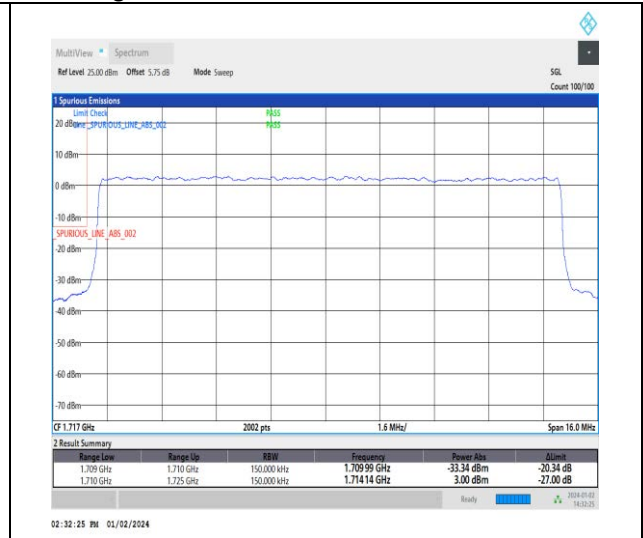
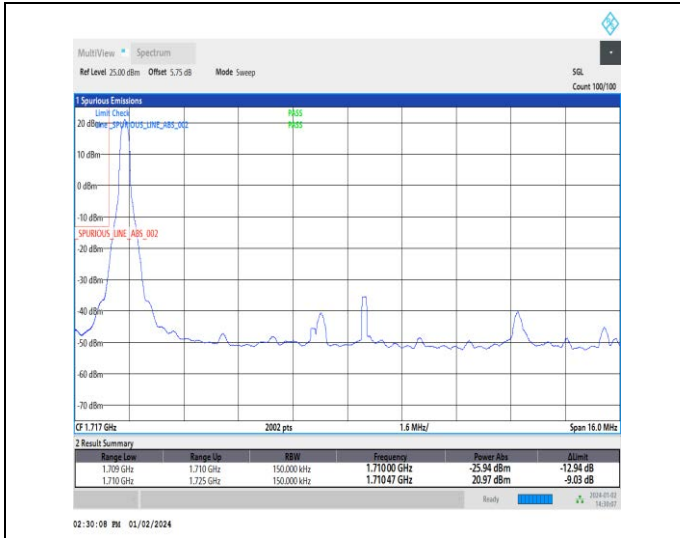
1-N66-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant3-1-seegraph-PASS-see graph



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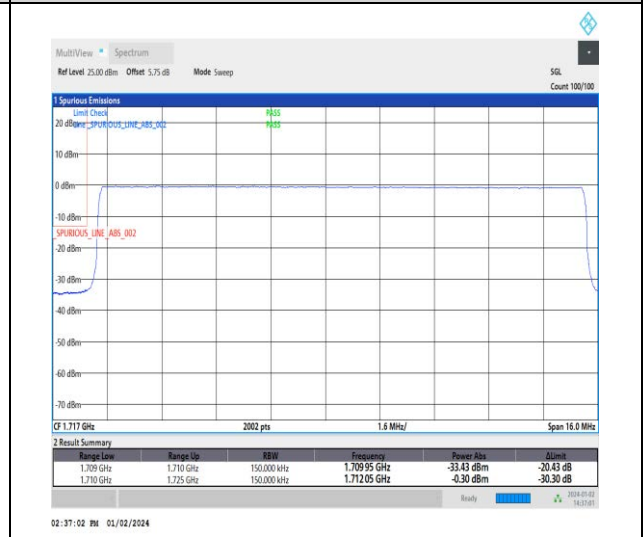
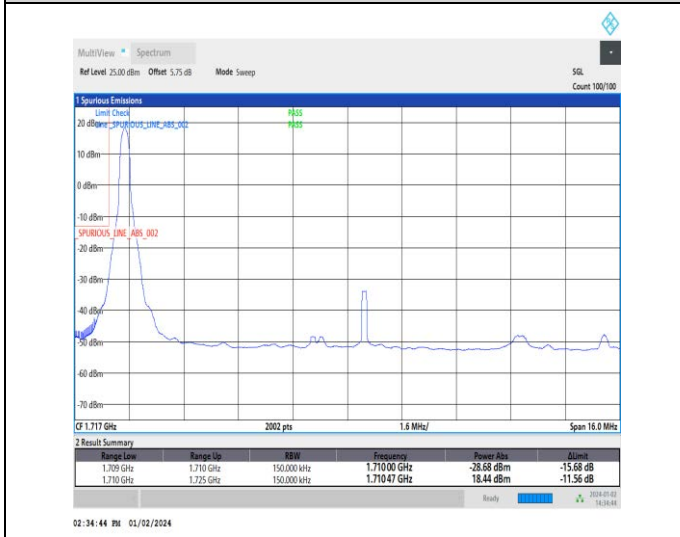
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1-N66-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant3-1-seegraph-PASS-see graph

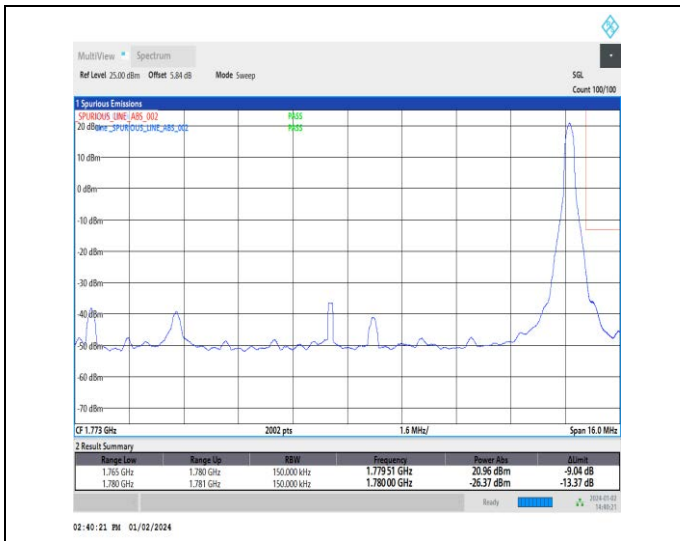


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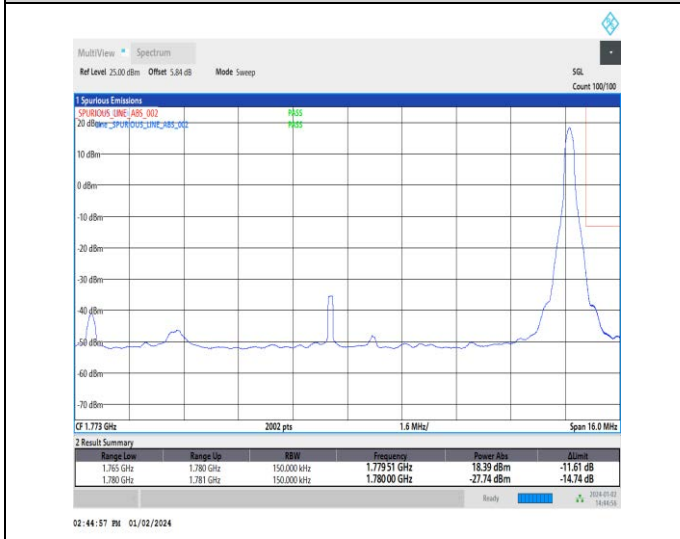
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1-N66-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant3-1-seegraph-PASS-see graph

1-N66-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant3-1-seegraph-PASS-see graph

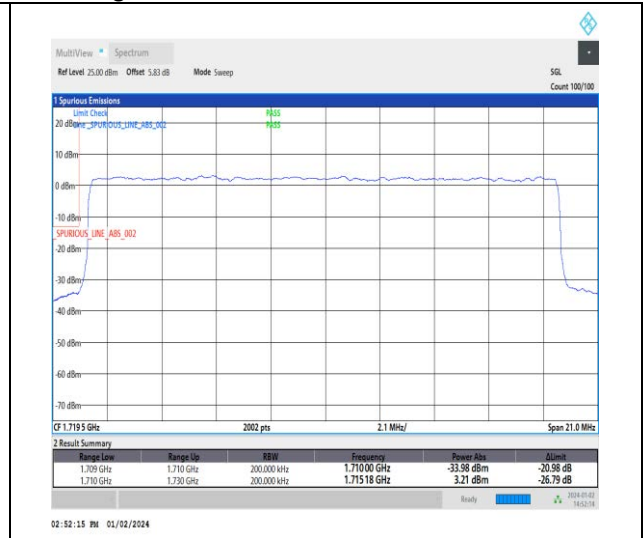
1-N66-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant3-1-seegraph-PASS-see graph



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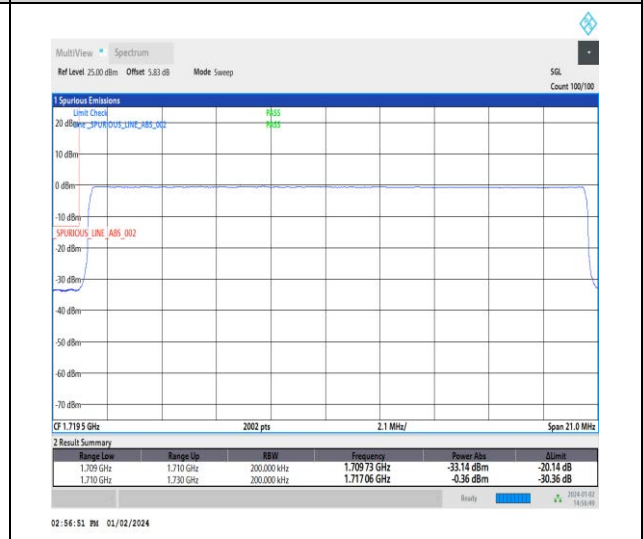
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1-N66-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

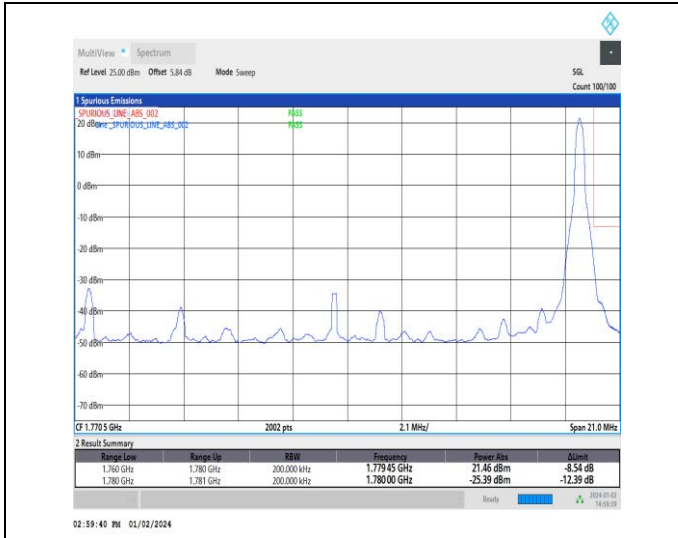
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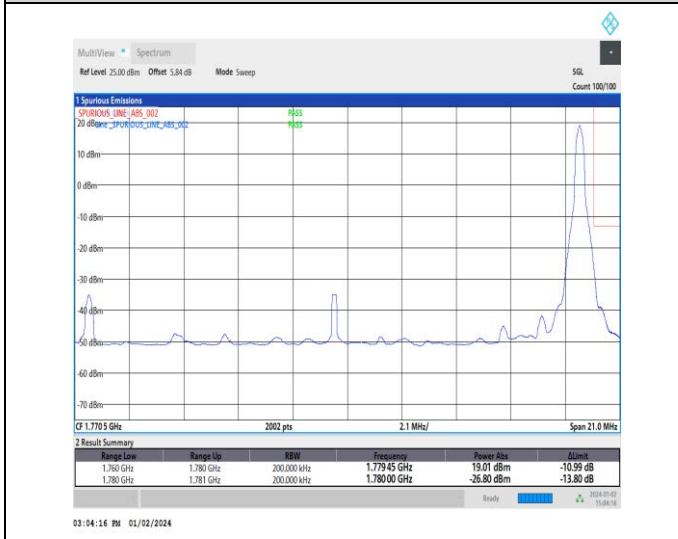
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1-N66-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant3-1-seegraph-PASS-see graph

1-N66-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant3-1-seegraph-PASS-see graph

1-N66-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant3-1-seegraph-PASS-see graph

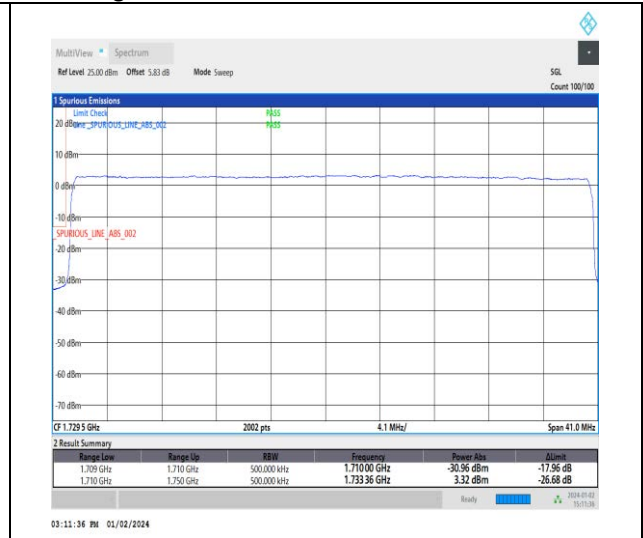


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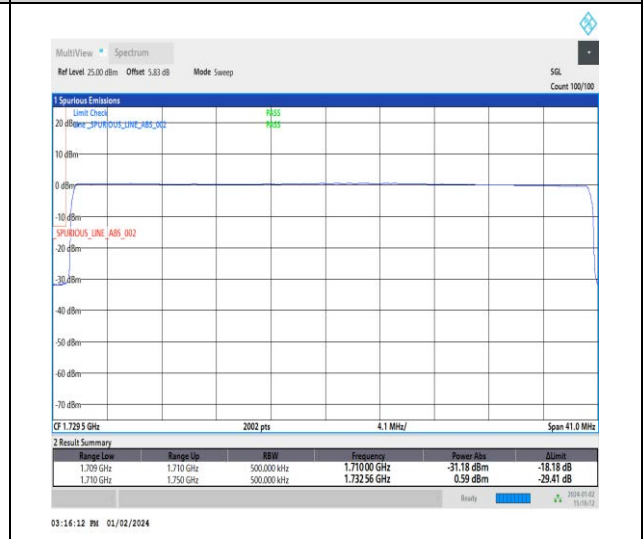
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Member of the SGS Group (SGS SA)



1-N66-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

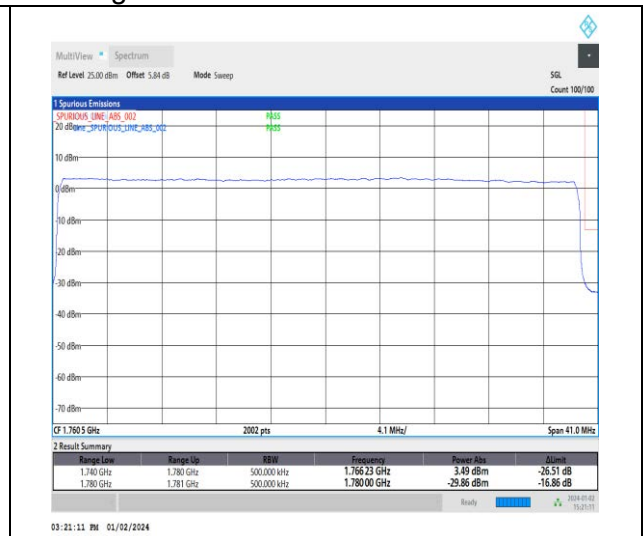
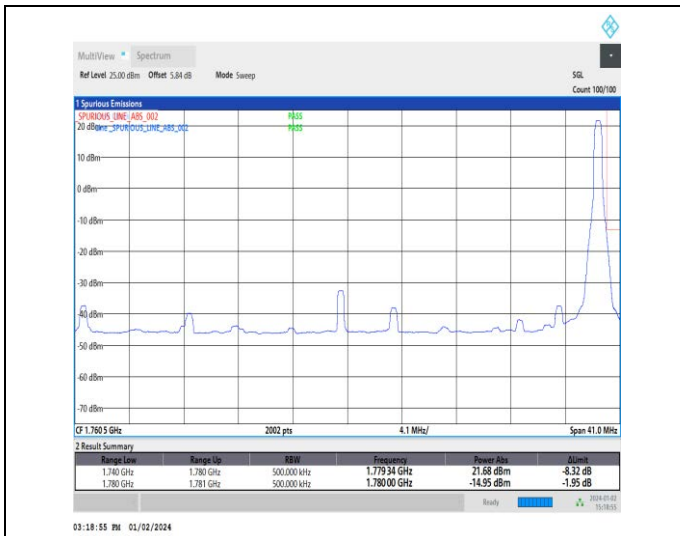
1-N66-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant3-1-seegraph-PASS-see graph



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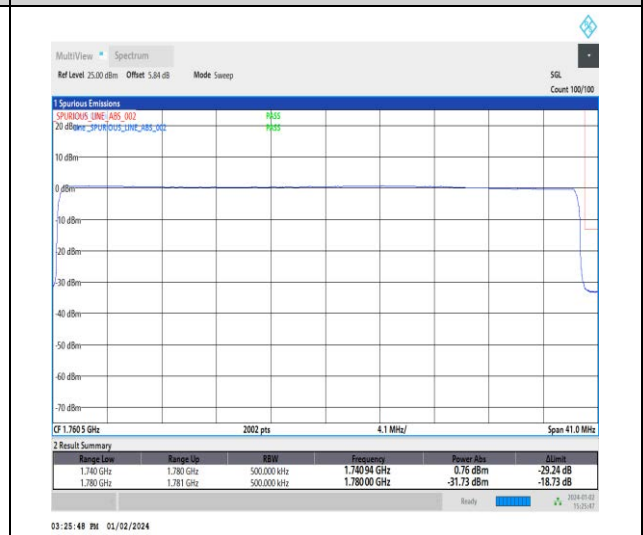
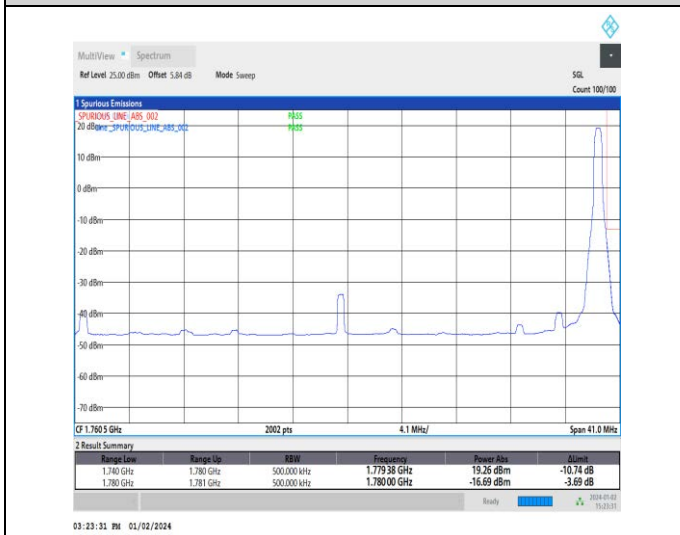
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1-N66-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant3-1-seegraph-PASS-see graph

1-N66-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant3-1-seegraph-PASS-see graph



1-N66-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant3-1-seegraph-PASS-see graph

1-N66-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant3-1-seegraph-PASS-see graph



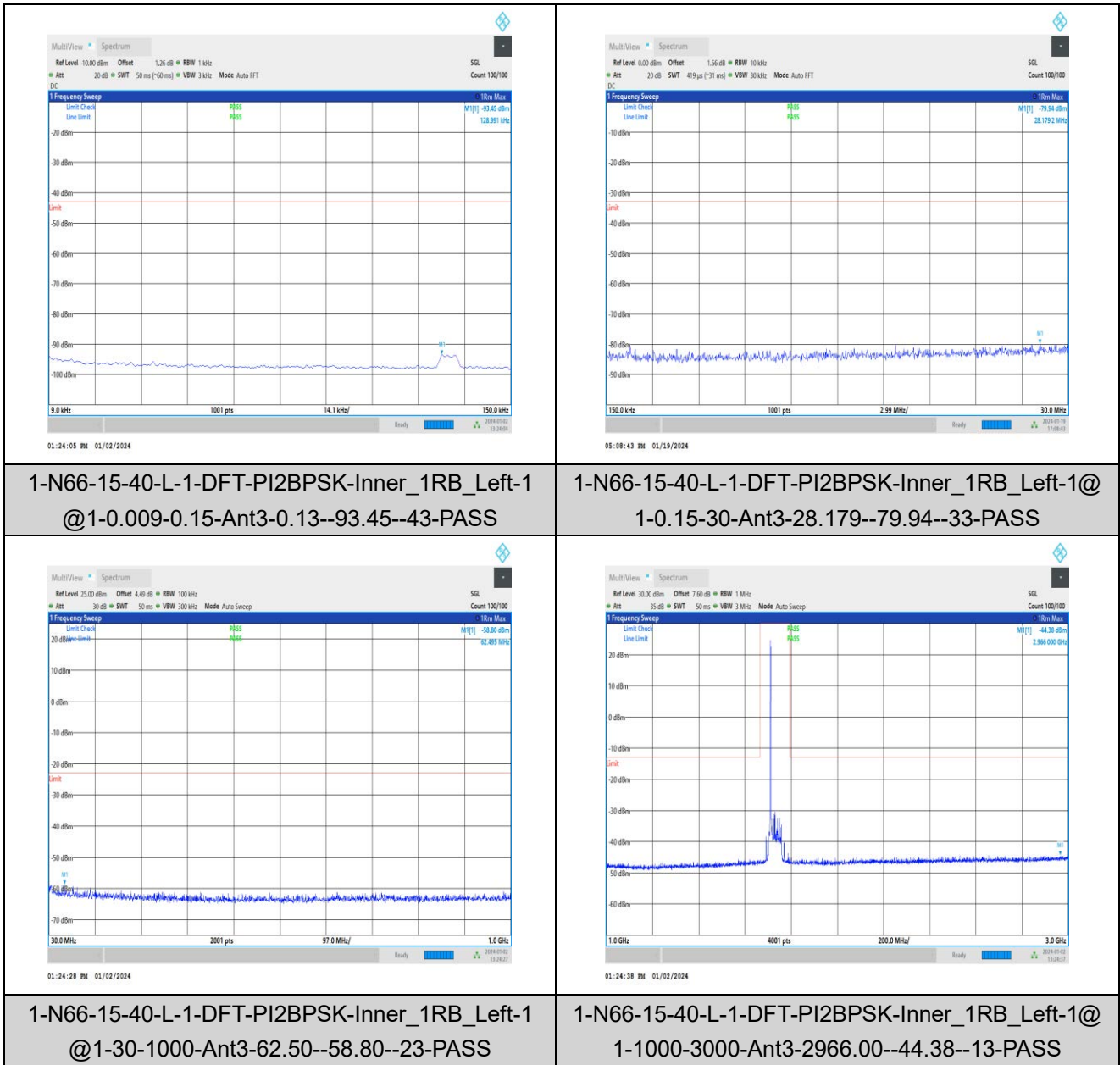
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Conducted Spurious Emission for SA

Test Graphs



1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-0.009-0.15-Ant3-0.13--93.45--43-PASS

1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-0.15-30-Ant3-28.179--79.94--33-PASS

1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-30-1000-Ant3-62.50--58.80--23-PASS

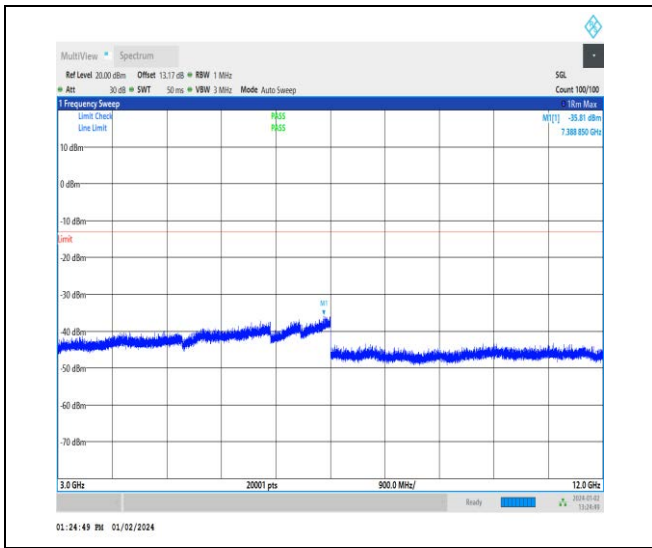
1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-1000-3000-Ant3-2966.00--44.38--13-PASS



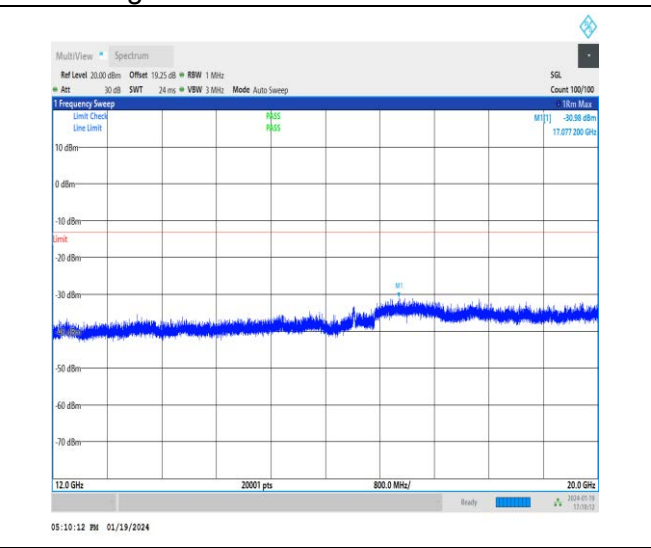
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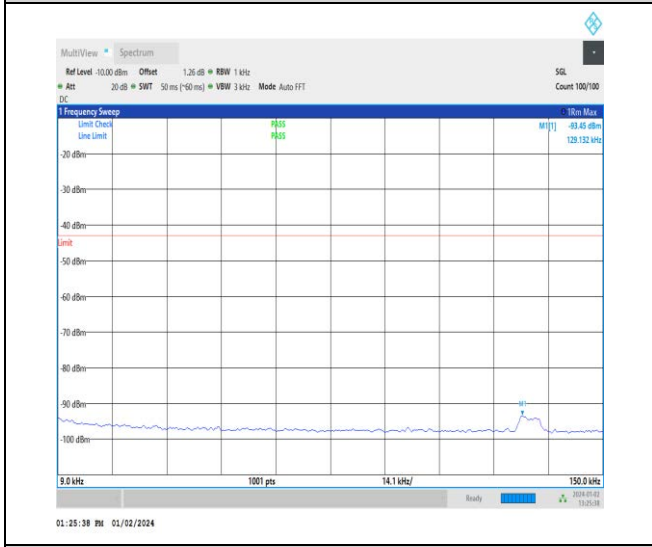
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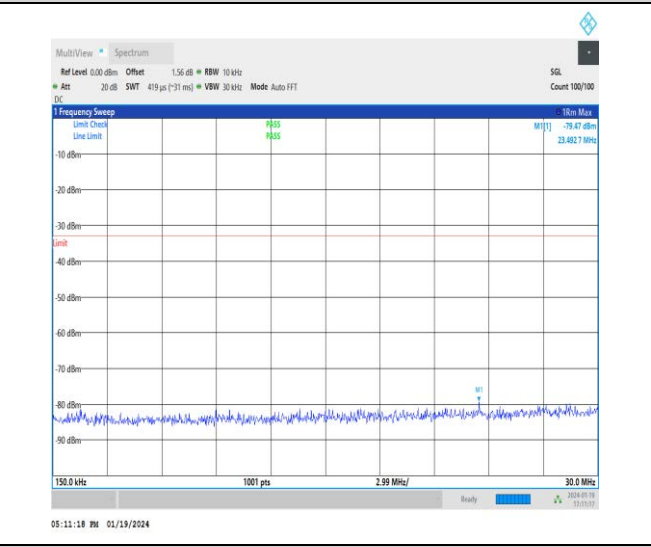
1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @ 1-3000-12000-Ant3-7388.85--35.81--13-PASS



1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-12000-20000-Ant3-17077.40--30.98--13-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @ 1-0.009-0.15-Ant3-0.13--93.45--43-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-0.15-30-Ant3-23.49--79.47--33-PASS



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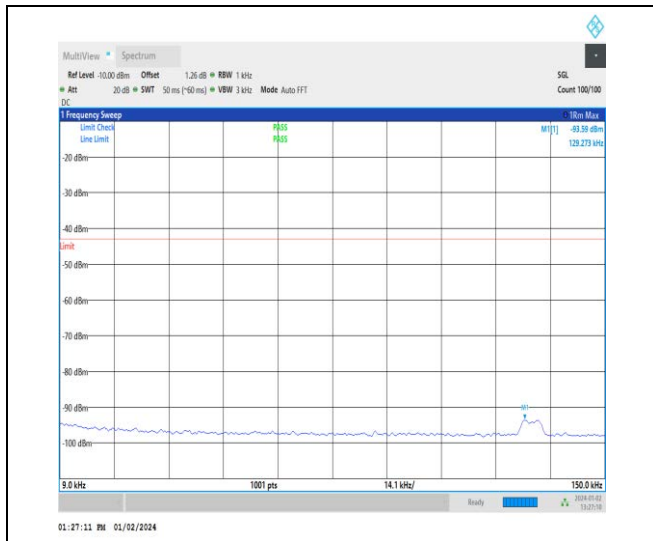
<p>1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-30-1000-Ant3-31.94--58.49--23-PASS</p>	<p>1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-1000-3000-Ant3-2653.50--44.38--13-PASS</p>
<p>1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant3-7445.10--35.45--13-PASS</p>	<p>1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-12000-20000-Ant3-17026.80--30.60--13-PASS</p>



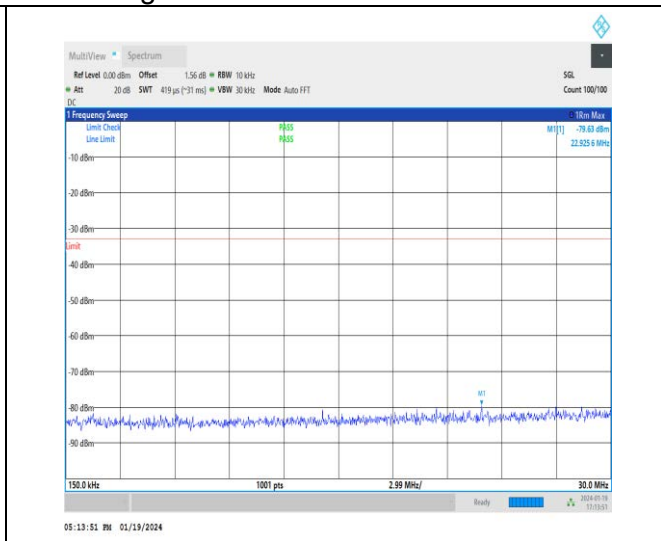
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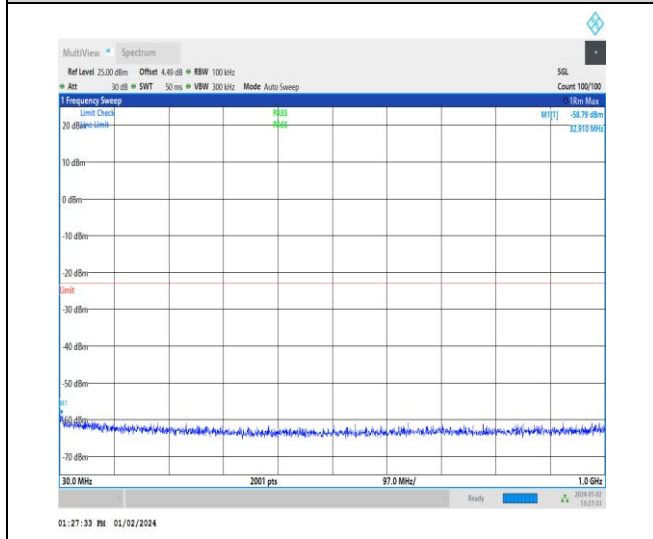
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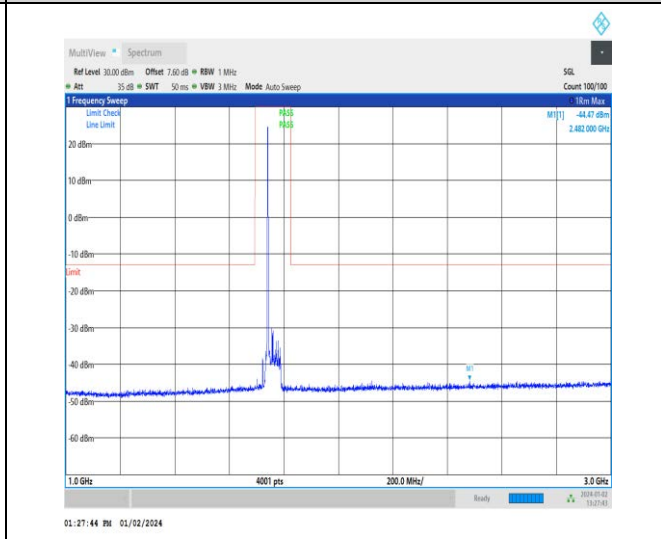
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1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant3-22.93--79.63--33-PASS



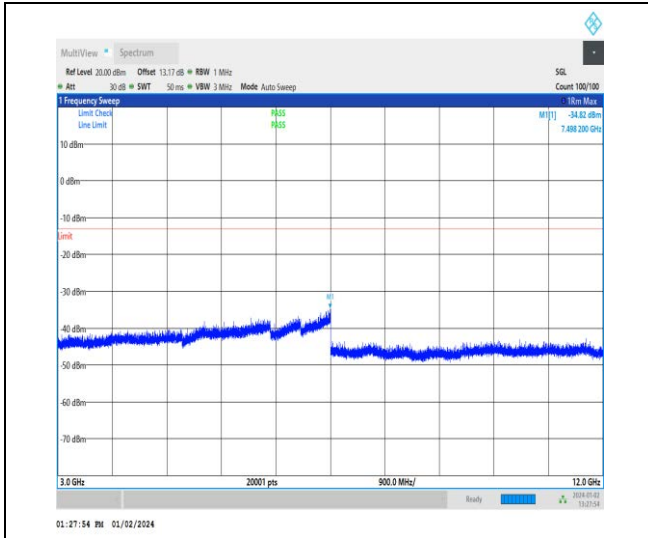
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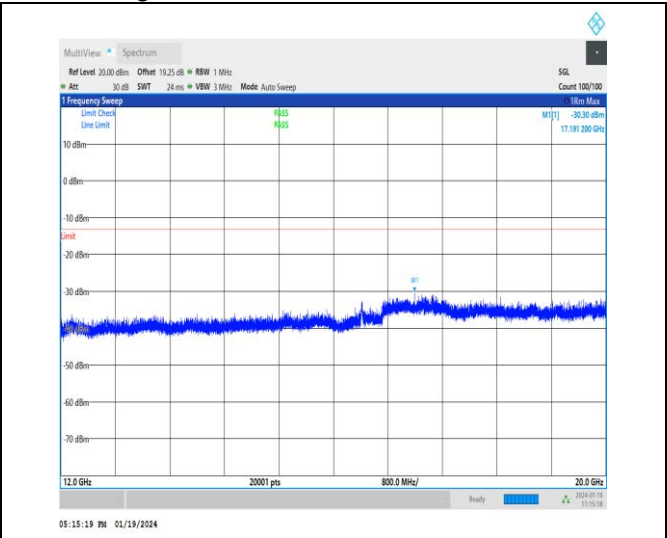
1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant3-2482.00--44.47--13-PASS



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1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant3-7498.20--34.82--13-PASS



1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant3-17191.20--30.30--13-PASS



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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation

Test Band = SA Band66_ 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	3471	53.13	-46.27	28.58	-59.81	-13.00	46.81	Horizontal
2	4608	40.84	-45.66	30.54	-69.55	-13.00	56.55	Horizontal
3	5576.25	40.10	-45.11	32.62	-67.66	-13.00	54.66	Horizontal
4	7584	37.45	-42.96	36.63	-64.14	-13.00	51.14	Horizontal
5	8590.5	35.27	-41.36	36.50	-64.84	-13.00	51.84	Horizontal
6	11279.25	28.74	-37.41	38.73	-65.21	-13.00	52.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3696.75	41.52	-45.52	28.80	-70.46	-13.00	57.46	Vertical
2	4605	40.92	-45.67	30.53	-69.48	-13.00	56.48	Vertical
3	5816.25	40.14	-44.79	32.66	-67.24	-13.00	54.24	Vertical
4	6994.5	38.60	-43.58	35.19	-65.05	-13.00	52.05	Vertical
5	9096.75	34.25	-40.37	36.48	-64.90	-13.00	51.90	Vertical
6	10671	29.36	-38.05	38.54	-65.42	-13.00	52.42	Vertical



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 sgs.china@sgs.com

Test Band = SA Band66_ 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	3454.1800	41.04	-46.27	28.57	-71.92	-13.00	58.92	Horizontal
2	5181.2700	38.42	-45.30	31.84	-70.30	-13.00	57.30	Horizontal
3	6908.3600	36.94	-44.05	35.04	-67.33	-13.00	54.33	Horizontal
4	8635.4500	34.24	-41.46	36.48	-66.00	-13.00	53.00	Horizontal
5	10362.5400	28.11	-39.04	38.38	-67.81	-13.00	54.81	Horizontal
6	12089.6300	25.30	-37.37	38.83	-68.50	-13.00	55.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.1800	41.40	-46.27	28.57	-71.56	-13.00	58.56	Vertical
2	5181.2700	38.28	-45.30	31.84	-70.44	-13.00	57.44	Vertical
3	6908.3600	37.31	-44.05	35.04	-66.96	-13.00	53.96	Vertical
4	8635.4500	33.89	-41.46	36.48	-66.35	-13.00	53.35	Vertical
5	10362.5400	28.97	-39.04	38.38	-66.95	-13.00	53.95	Vertical
6	12089.6300	25.01	-37.37	38.83	-68.79	-13.00	55.79	Vertical



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Test Band = SA Band66_ 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	3484.1800	40.83	-46.26	28.59	-72.10	-13.00	59.10	Horizontal
2	5226.2700	39.40	-45.23	31.94	-69.14	-13.00	56.14	Horizontal
3	6968.3600	37.30	-43.72	35.14	-66.54	-13.00	53.54	Horizontal
4	8710.4500	34.11	-41.64	36.44	-66.35	-13.00	53.35	Horizontal
5	10452.5400	28.57	-38.90	38.43	-67.16	-13.00	54.16	Horizontal
6	12194.6300	25.86	-37.48	38.86	-68.02	-13.00	55.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3484.1800	41.22	-46.26	28.59	-71.71	-13.00	58.71	Vertical
2	5226.2700	38.66	-45.23	31.94	-69.88	-13.00	56.88	Vertical
3	6968.3600	37.12	-43.72	35.14	-66.72	-13.00	53.72	Vertical
4	8710.4500	34.40	-41.64	36.44	-66.06	-13.00	53.06	Vertical
5	10452.5400	28.08	-38.90	38.43	-67.65	-13.00	54.65	Vertical
6	12194.6300	26.04	-37.48	38.86	-67.84	-13.00	54.84	Vertical



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Test Band = NSA 2A_N66A_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	3422.1800	41.53	-46.28	28.55	-71.45	-13.00	58.45	Horizontal
2	5133.2700	39.17	-45.34	31.72	-69.71	-13.00	56.71	Horizontal
3	6844.3600	38.82	-44.14	34.92	-65.66	-13.00	52.66	Horizontal
4	8555.4500	35.69	-41.46	36.52	-64.51	-13.00	51.51	Horizontal
5	10266.5400	31.59	-39.23	38.33	-64.56	-13.00	51.56	Horizontal
6	11977.6300	27.91	-37.51	38.80	-66.07	-13.00	53.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.1800	40.20	-46.28	28.55	-72.78	-13.00	59.78	Vertical
2	5133.2700	38.74	-45.34	31.72	-70.14	-13.00	57.14	Vertical
3	6844.3600	38.27	-44.14	34.92	-66.21	-13.00	53.21	Vertical
4	8555.4500	35.97	-41.46	36.52	-64.23	-13.00	51.23	Vertical
5	10266.5400	31.53	-39.23	38.33	-64.62	-13.00	51.62	Vertical
6	11977.6300	27.18	-37.51	38.80	-66.80	-13.00	53.80	Vertical



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Test Band = NSA 2A_N66A_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	3472.1800	42.09	-46.27	28.58	-70.85	-13.00	57.85	Horizontal
2	5208.2700	39.84	-45.26	31.90	-68.78	-13.00	55.78	Horizontal
3	6944.3600	38.36	-43.85	35.10	-65.65	-13.00	52.65	Horizontal
4	8680.4500	36.52	-41.62	36.46	-63.90	-13.00	50.90	Horizontal
5	10416.5400	31.87	-38.97	38.41	-63.96	-13.00	50.96	Horizontal
6	12152.6300	28.31	-37.42	38.85	-65.52	-13.00	52.52	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.1800	41.21	-46.27	28.58	-71.73	-13.00	58.73	Vertical
2	5208.2700	38.93	-45.26	31.90	-69.69	-13.00	56.69	Vertical
3	6944.3600	38.23	-43.85	35.10	-65.78	-13.00	52.78	Vertical
4	8680.4500	35.79	-41.62	36.46	-64.63	-13.00	51.63	Vertical
5	10416.5400	30.74	-38.97	38.41	-65.09	-13.00	52.09	Vertical
6	12152.6300	28.51	-37.42	38.85	-65.32	-13.00	52.32	Vertical



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Test Band = NSA 2A_N66A_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	3522.1800	41.90	-46.23	28.62	-70.97	-13.00	57.97	Horizontal
2	5283.2700	39.40	-45.12	32.08	-68.90	-13.00	55.90	Horizontal
3	7044.3600	38.25	-43.85	35.33	-65.53	-13.00	52.53	Horizontal
4	8805.4500	35.70	-41.25	36.40	-64.41	-13.00	51.41	Horizontal
5	10566.5400	31.03	-38.58	38.48	-64.33	-13.00	51.33	Horizontal
6	12327.6300	28.83	-37.45	38.90	-64.98	-13.00	51.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.1800	40.82	-46.23	28.62	-72.05	-13.00	59.05	Vertical
2	5283.2700	38.73	-45.12	32.08	-69.57	-13.00	56.57	Vertical
3	7044.3600	38.19	-43.85	35.33	-65.59	-13.00	52.59	Vertical
4	8805.4500	35.08	-41.25	36.40	-65.03	-13.00	52.03	Vertical
5	10566.5400	31.02	-38.58	38.48	-64.34	-13.00	51.34	Vertical
6	12327.6300	29.55	-37.45	38.90	-64.26	-13.00	51.26	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.200000	-0.001834	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.400000	0.001948	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	1.200000	0.000688	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	1.800000	0.001032	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	3.200000	0.001834	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	4.400000	0.002521	PASS



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Wireless Laboratory

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.100000	-0.000057	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.300000	0.001318	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.400000	-0.000802	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	1.000000	0.000573	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	1.700000	0.000974	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	3.600000	0.002063	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	2.600000	0.001490	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	1.500000	0.000860	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	1.900000	0.001089	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	3.500000	0.002006	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	2.600000	0.001490	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	3.900000	0.002235	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	2.300000	0.001318	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	1.300000	0.000745	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	3.300000	0.001891	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	3.000000	0.001719	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	2.700000	0.001547	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	2.400000	0.001375	PASS

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