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Appendix B.38

NR Band n14



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.78	24.05	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.65	23.92	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	23.83	24.1	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.79	24.06	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23.6	23.87	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	23.73	24	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.71	23.98	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.78	24.05	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	22.87	23.14	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	22.66	22.93	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	22.45	22.72	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	22.28	22.55	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.74	20.01	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.64	19.91	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	20.24	20.51	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.74	24.01	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.55	23.82	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	23.64	23.91	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	23.59	23.86	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.6	23.87	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	23.57	23.84	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.73	24	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.71	23.98	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	22.81	23.08	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	22.56	22.83	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	22.41	22.68	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	22.16	22.43	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.72	19.99	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.61	19.88	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	20.19	20.46	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.67	23.94	34.77	PASS



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N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.58	23.85	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	23.64	23.91	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.83	24.1	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.62	23.89	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	23.7	23.97	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.82	24.09	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.54	23.81	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	22.72	22.99	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	22.51	22.78	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	22.39	22.66	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	22.24	22.51	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.81	20.08	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.58	19.85	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	20.06	20.33	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.84	24.11	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.63	23.9	34.77	PASS
N14	15	10	DFT-PI2BPSK	L	Outer_Full	23.69	23.96	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	23.77	24.04	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	23.49	23.76	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	23.74	24.01	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	23.84	24.11	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	23.71	23.98	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	22.8	23.07	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	22.61	22.88	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	22.33	22.6	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	22.35	22.62	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	19.8	20.07	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	19.69	19.96	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	20.12	20.39	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.58	23.85	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.41	23.68	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	23.48	23.75	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.52	23.79	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.34	23.61	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	23.44	23.71	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.5	23.77	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.31	23.58	34.77	PASS



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N14	15	10	DFT-16QAM	M	Outer_Full	22.57	22.84	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	22.42	22.69	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	22.08	22.35	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	22.05	22.32	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.69	19.96	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.41	19.68	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	19.96	20.23	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.76	24.03	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.55	23.82	34.77	PASS
N14	15	10	DFT-PI2BPSK	H	Outer_Full	23.73	24	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	23.78	24.05	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	23.52	23.79	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	23.64	23.91	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	23.79	24.06	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	23.56	23.83	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	22.74	23.01	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	22.59	22.86	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	22.35	22.62	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	22.24	22.51	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	19.67	19.94	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	19.65	19.92	34.77	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	Limit	Verdict
N14	15	10	DFT-256QAM	L	Outer_Full	6.46	13	PASS
N14	15	10	CP-256QAM	L	Outer_Full	8.34	13	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.16	13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	8.34	13	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	7.90	13	PASS
N14	15	10	CP-256QAM	H	Outer_Full	8.09	13	PASS



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Test Graphs



1-N14-PC3-15-10-L-1-DFT-256QAM-Outer_Full-50@
0-18.24-18.24-19~27.5-PASS



1-N14-PC3-15-10-L-2-CP-256QAM-Outer_Full-52@
0-16.27-16.27-19~27.5-PASS



1-N14-PC3-15-10-M-1-DFT-256QAM-Outer_Full-50
@0-16.25-16.25-19~27.5-PASS



1-N14-PC3-15-10-M-2-CP-256QAM-Outer_Full-52
@0-16.27-16.27-19~27.5-PASS



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1-N14-PC3-15-10-H-1-DFT-256QAM-Outer_Full-50
@0-16.30-16.30-19~27.5-PASS



1-N14-PC3-15-10-H-2-CP-256QAM-Outer_Full-52@
0-16.27-16.27-19~27.5-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
N14	15	5	DFT-QPSK	M	Outer_Full	4.493	5.050	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.482	5.110	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.53	5.230	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.513	5.100	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.513	5.140	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.485	5.000	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.524	5.220	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.525	5.150	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.536	5.300	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.936	9.700	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.904	9.620	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.951	9.600	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.915	9.580	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.928	9.640	PASS
N14	15	10	CP-QPSK	M	Outer_Full	9.29	10.080	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.265	10.000	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.284	9.940	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.311	10.000	PASS



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Test Graphs



1-N14-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-
Ant0-4.493-5.050-≤5-PASS



1-N14-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25
@0-Ant0-4.482-5.110-≤5-PASS



1-N14-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0
-Ant0-4.53-5.230-≤5-PASS



1-N14-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0
-Ant0-4.513-5.100-≤5-PASS



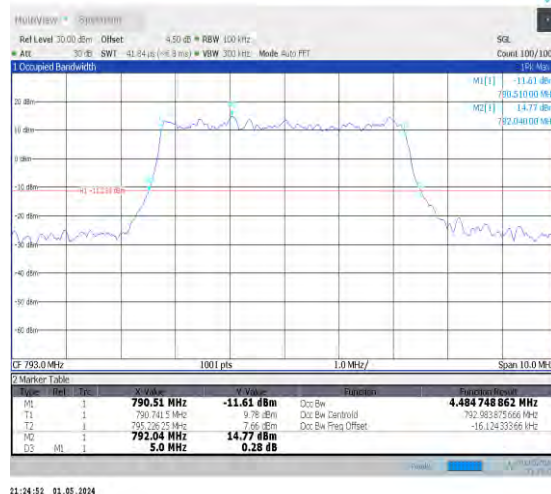
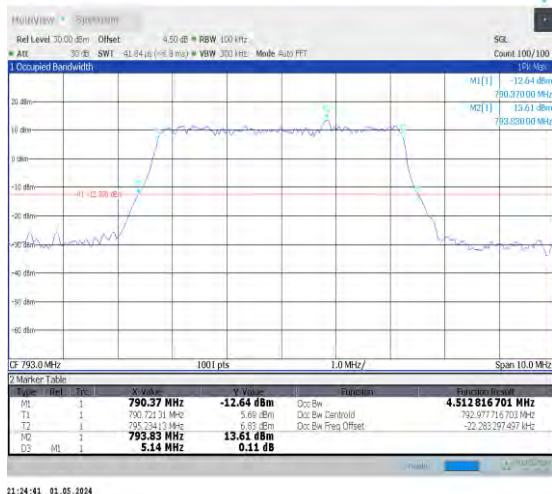
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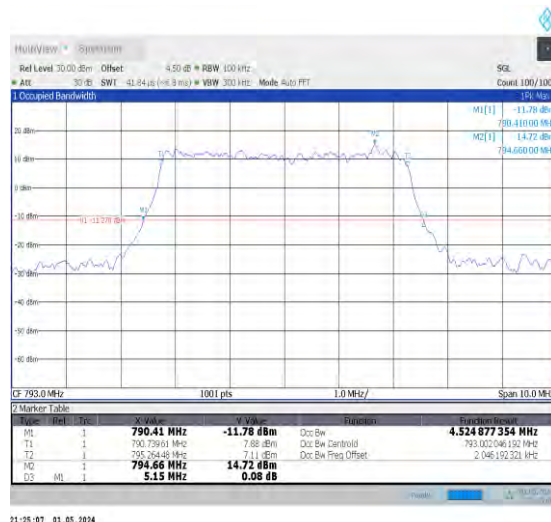
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1-N14-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.485-5.000-≤5-PASS



1-N14-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.524-5.220-≤5-PASS

1-N14-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4.525-5.150-≤5-PASS



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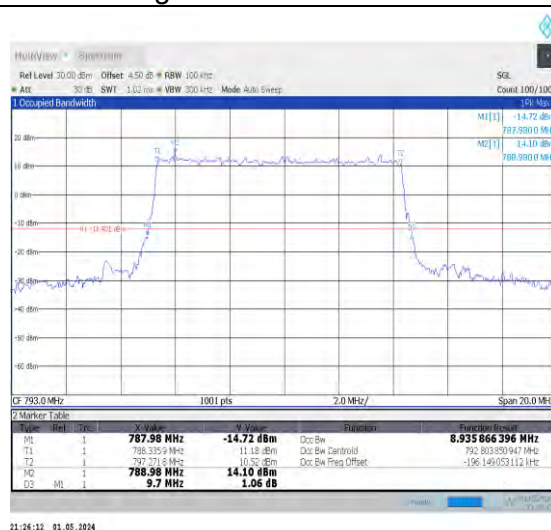
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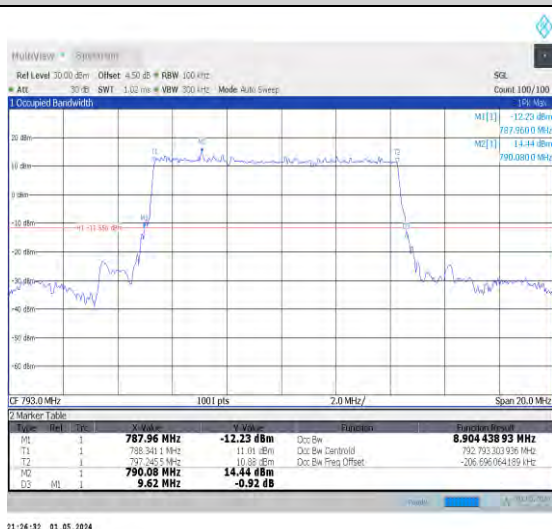
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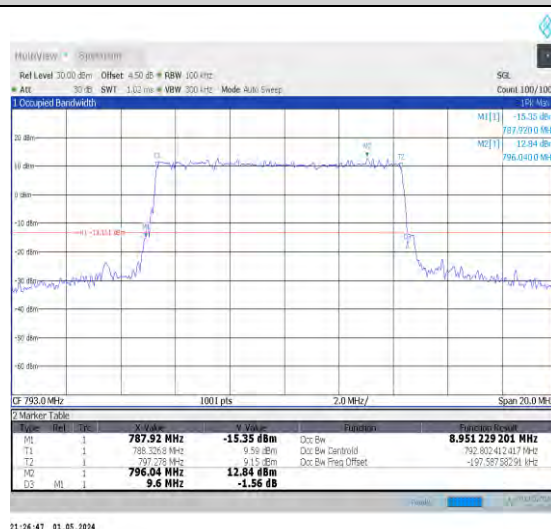
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-Ant0-8.936-9.700-≤10-PASS



1-N14-PC3-15-10-M-2-DFT-PI2BPSK-Outter_Full-50@0-Ant0-8.904-9.620-≤10-PASS



1-N14-PC3-15-10-M-3-DFT-16QAM-Outter_Full-50@0-Ant0-8.951-9.600-≤10-PASS



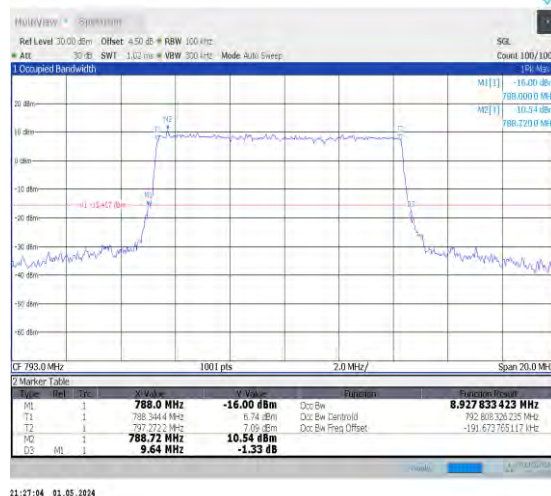
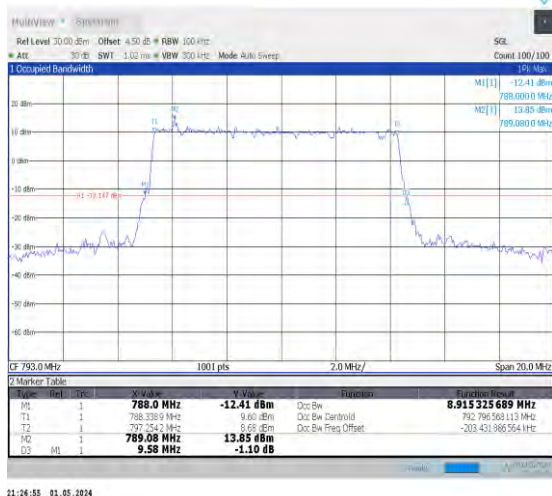
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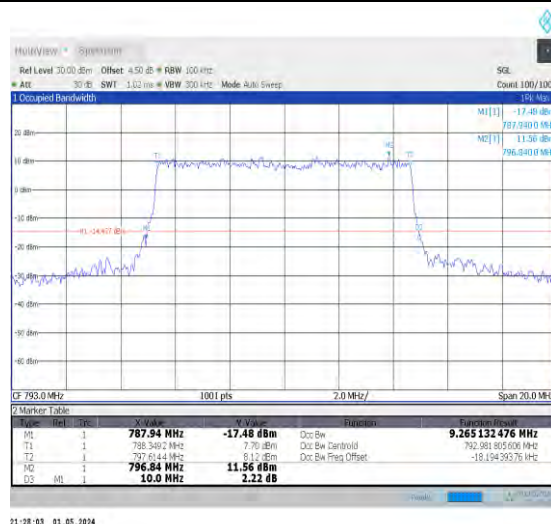
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0-Ant0-8.915-9.580-≤10-PASS

1-N14-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant0-8.928-9.640-≤10-PASS



1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant0-9.29-10.080-≤10-PASS

1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-
-Ant0-9.265-10.000-≤10-PASS



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1-N14-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant0-9.284-9.940-≤10-PASS



1-N14-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@
0-Ant0-9.311-10.000-≤10-PASS



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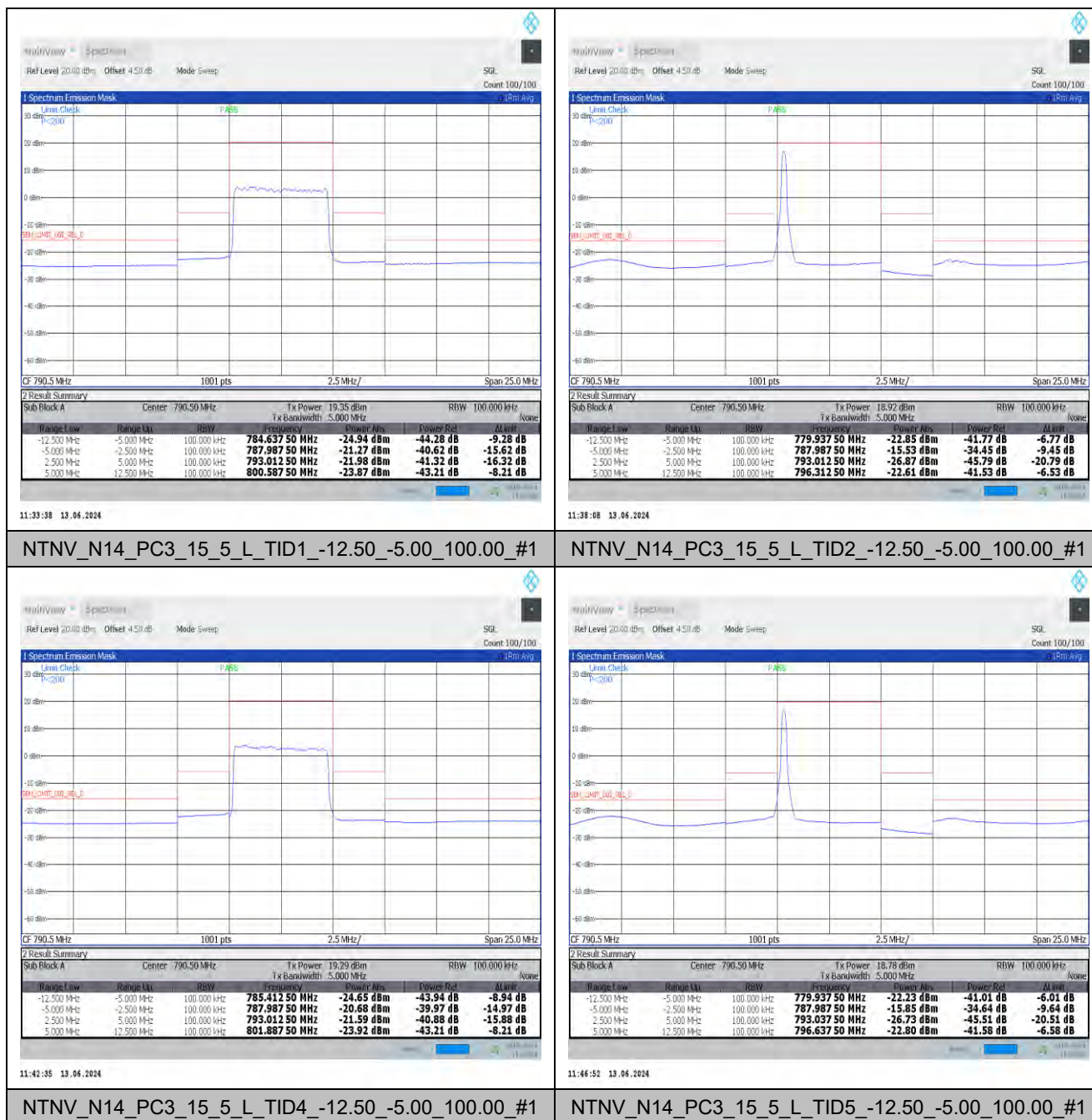
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Emission Mask

Test Graphs



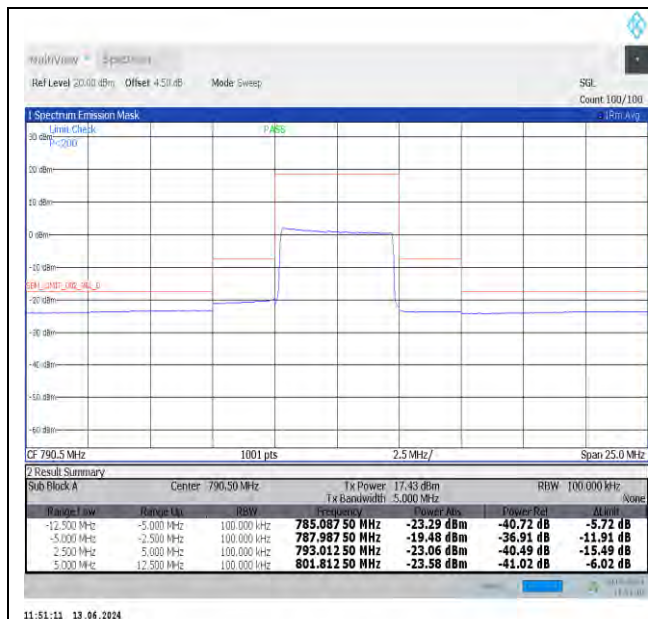
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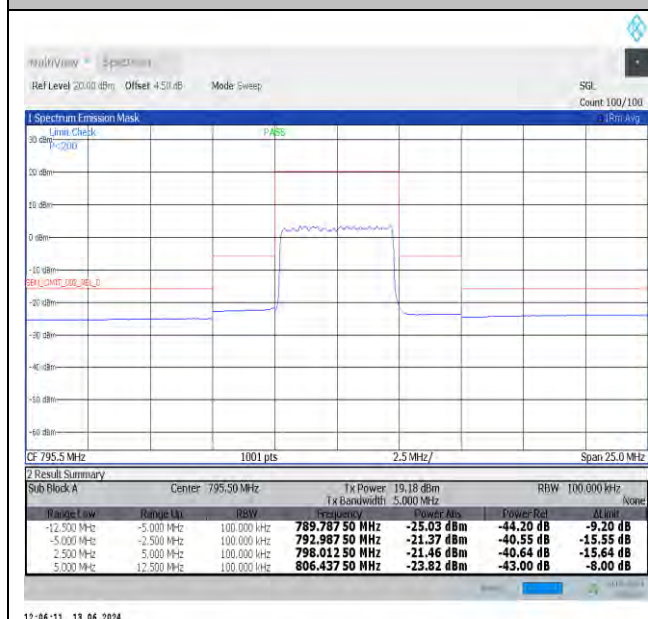
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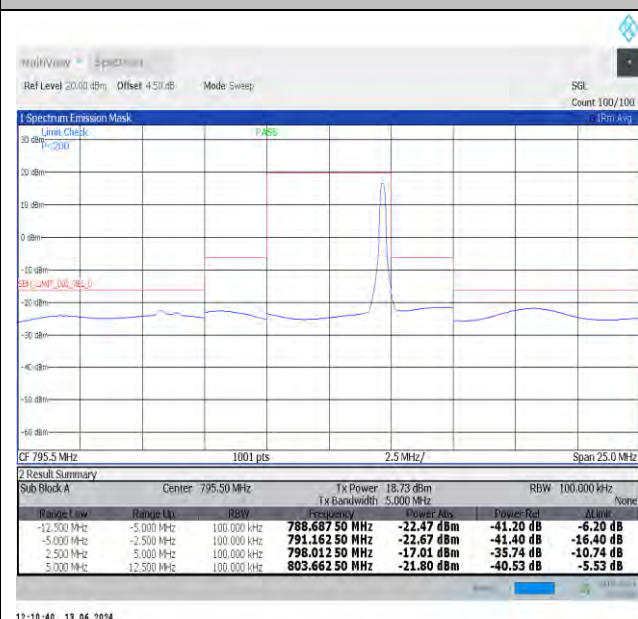


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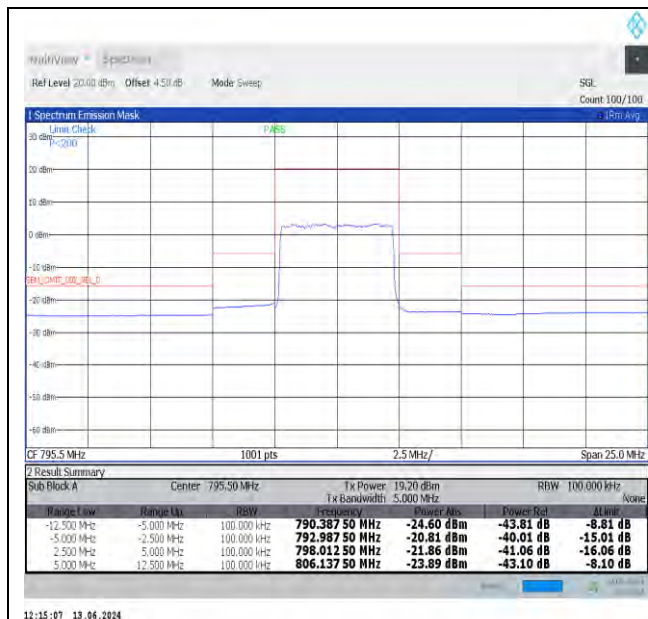
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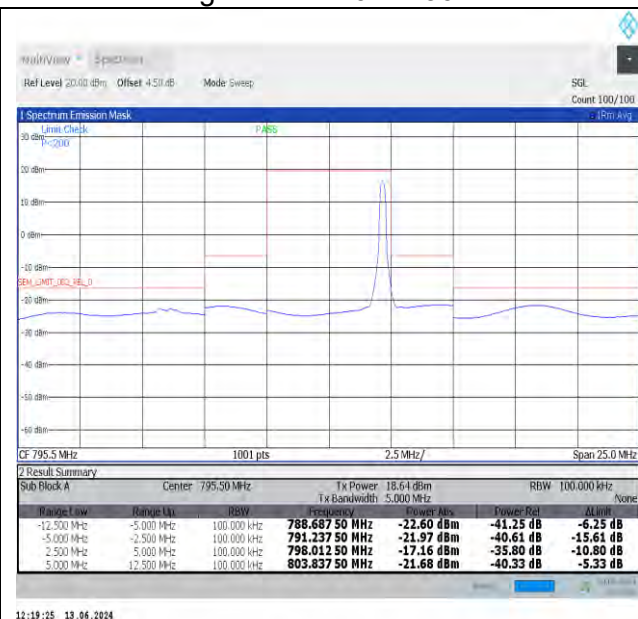
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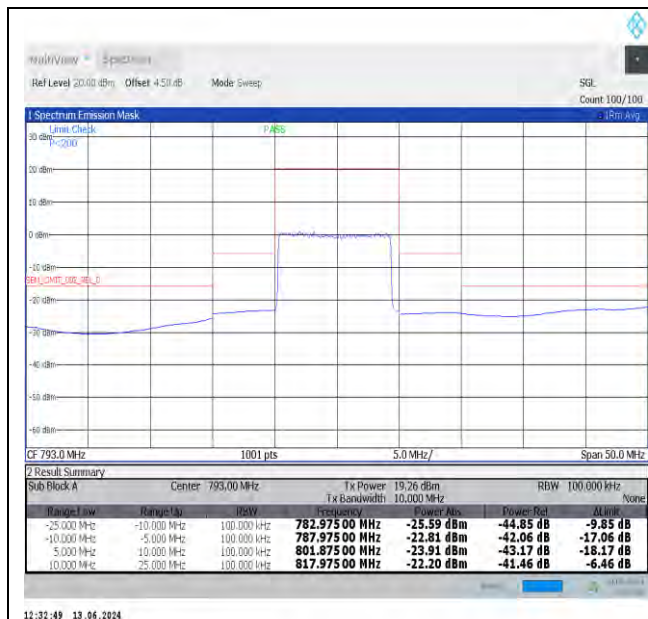
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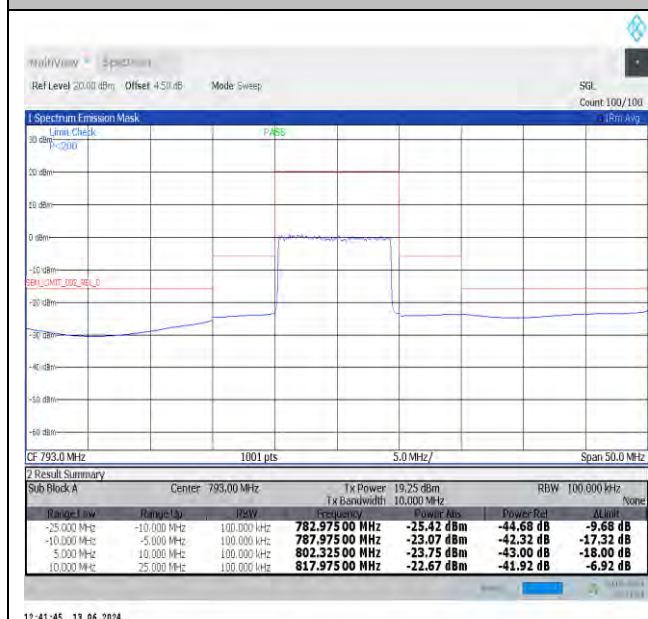
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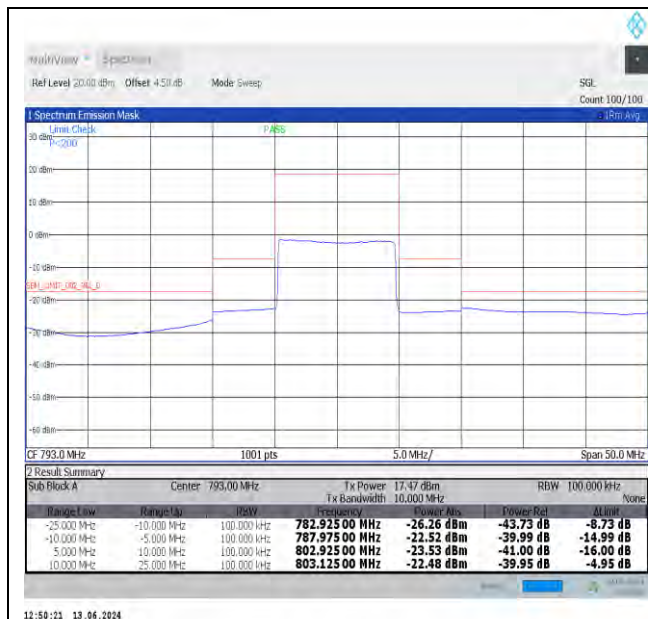
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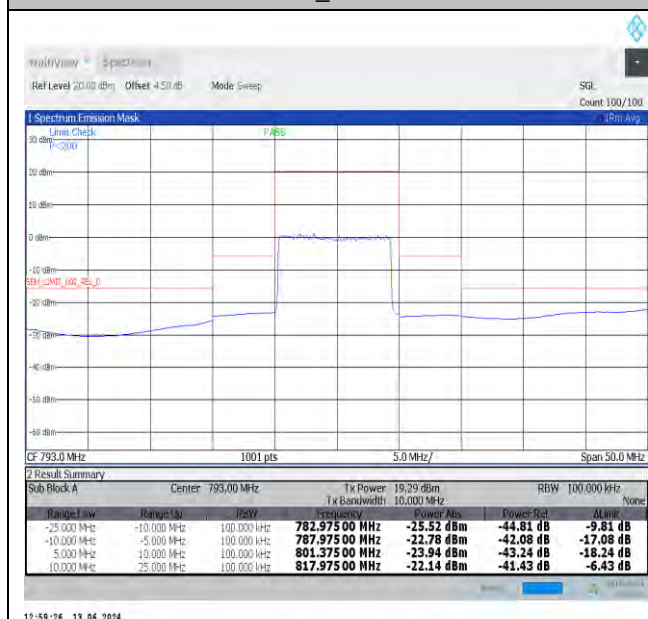
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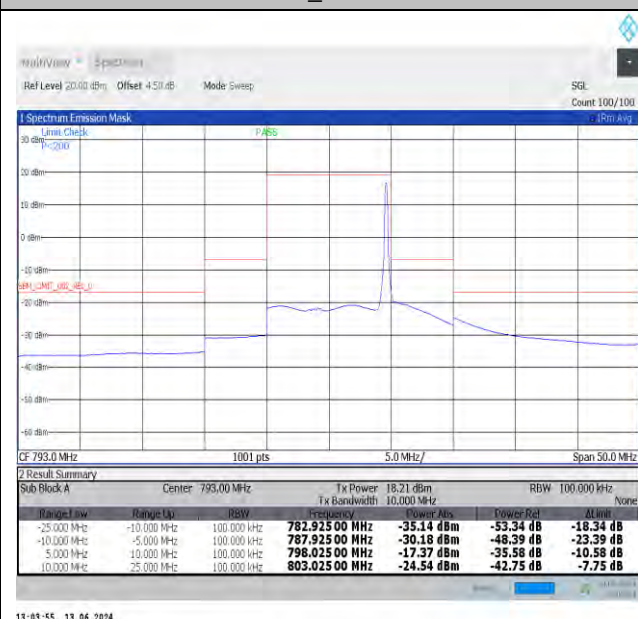
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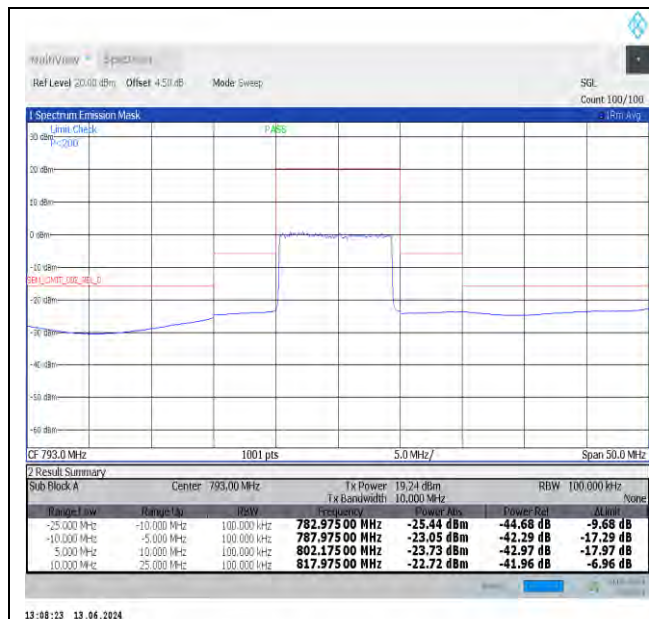
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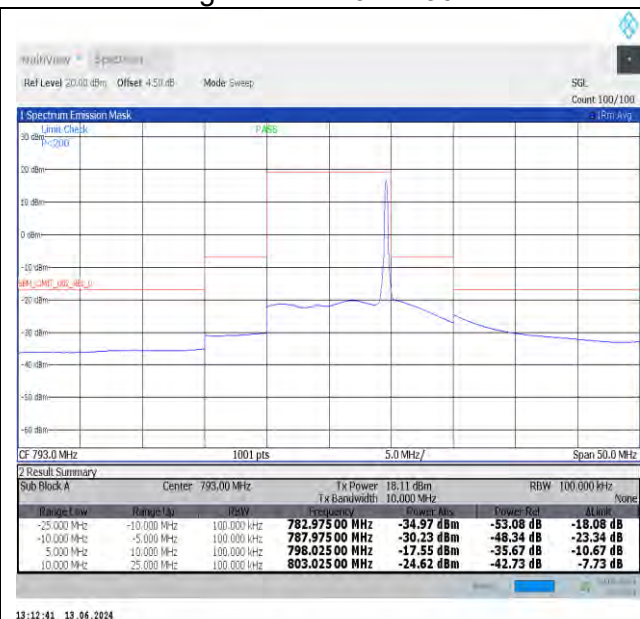
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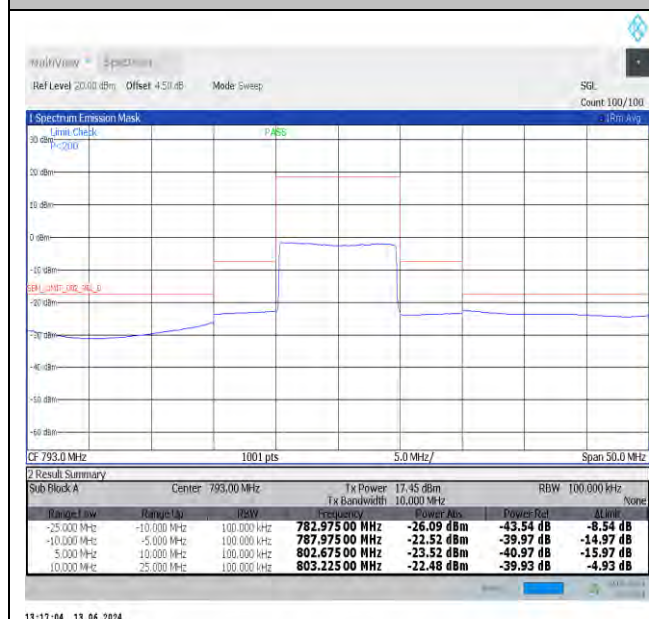
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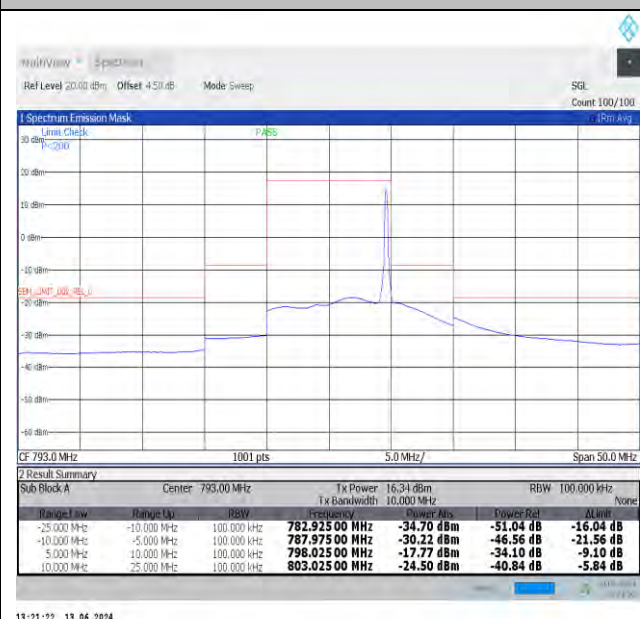


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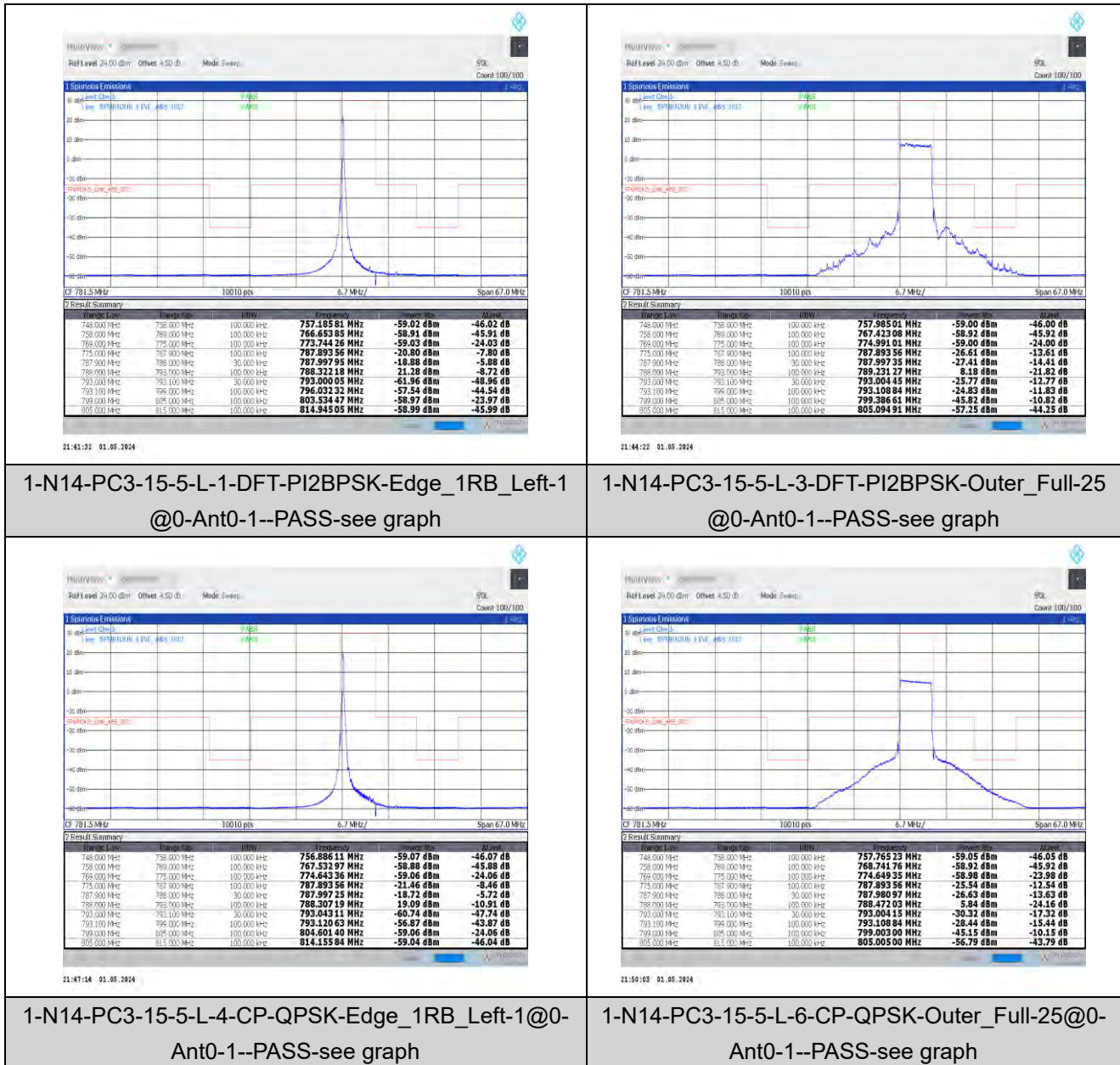
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Band Edge for SA

Test Graphs



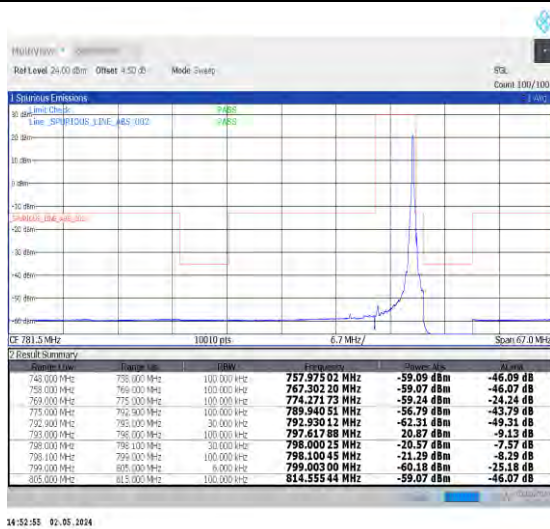
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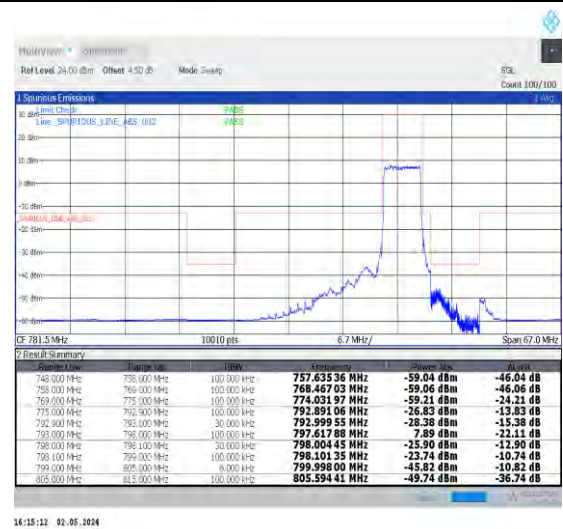
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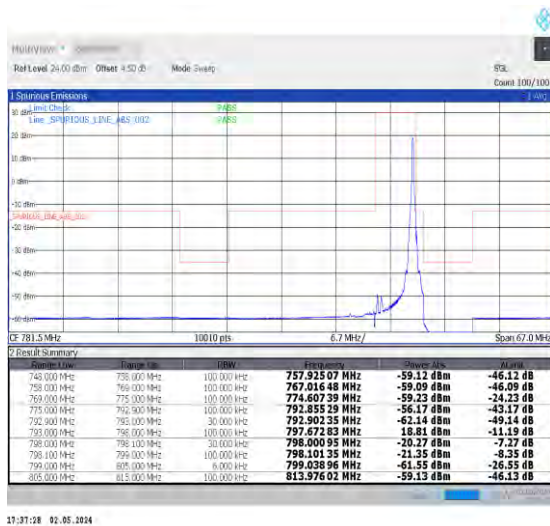
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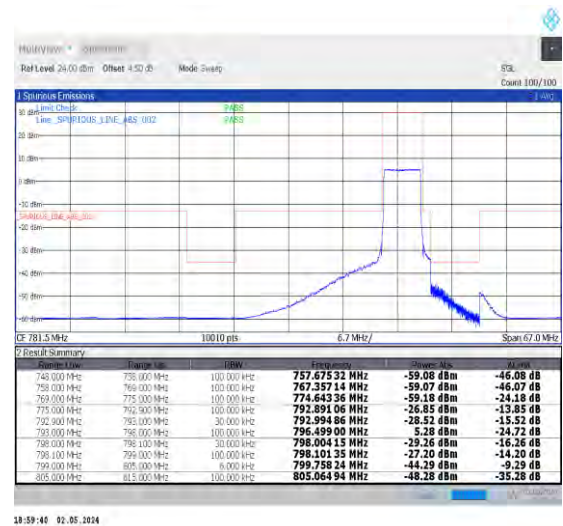
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1-N14-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph



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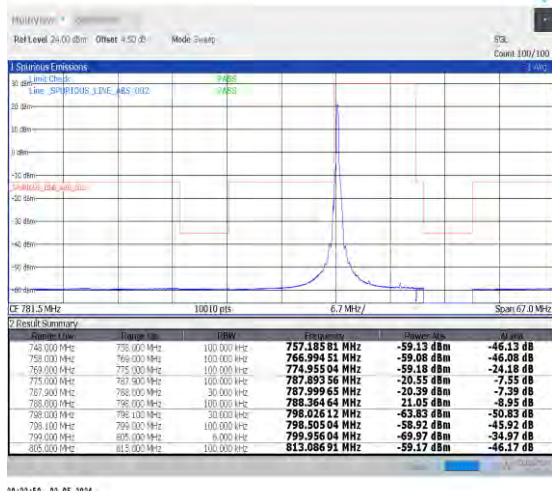
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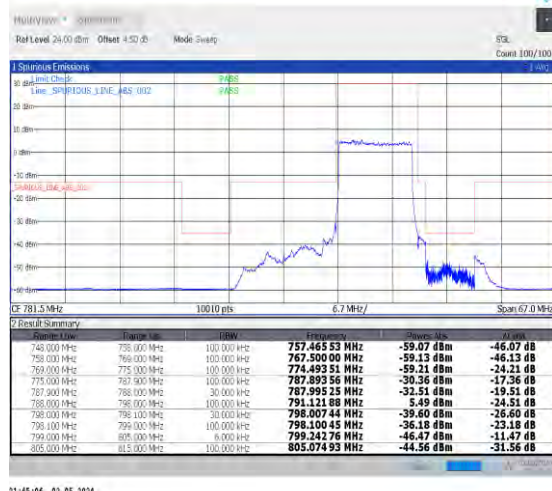
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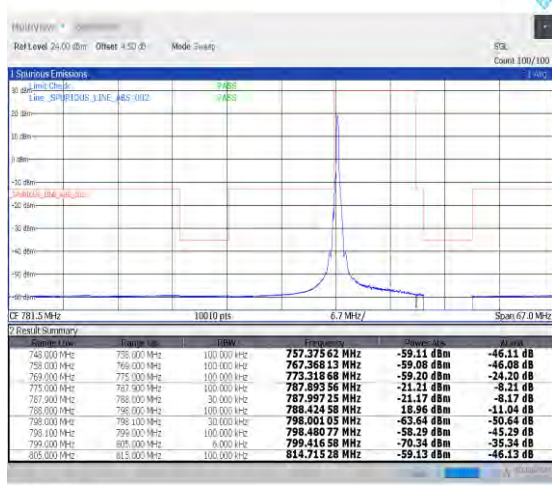
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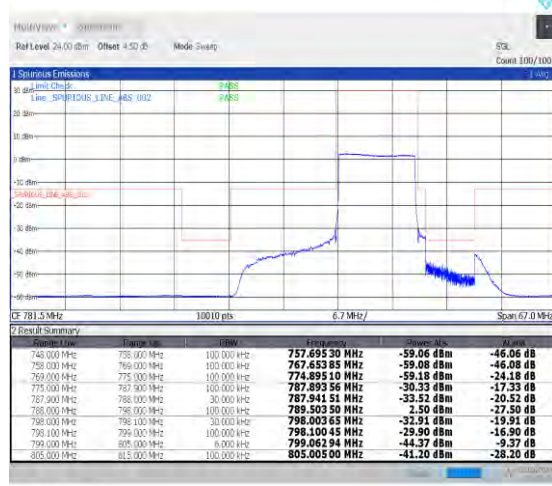
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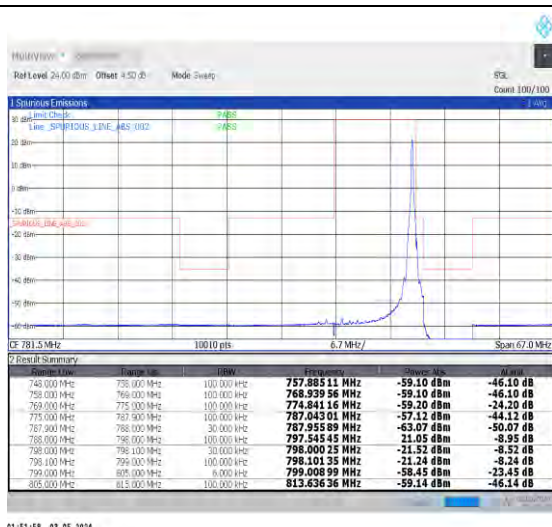
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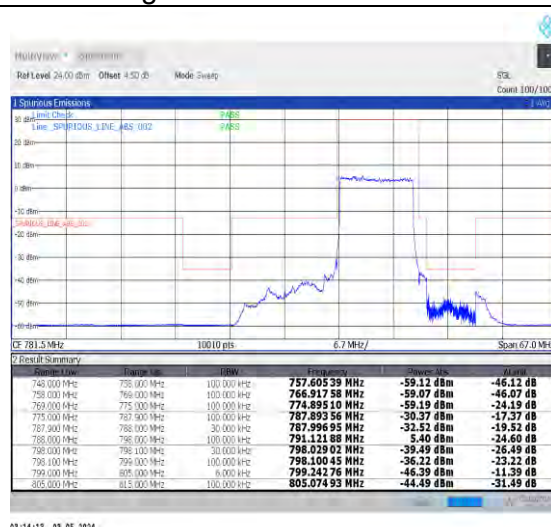
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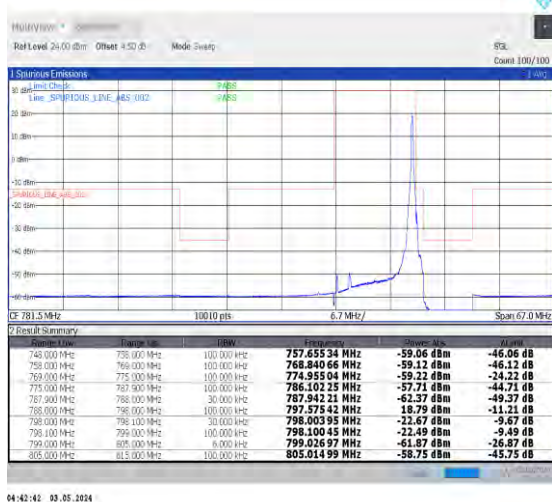
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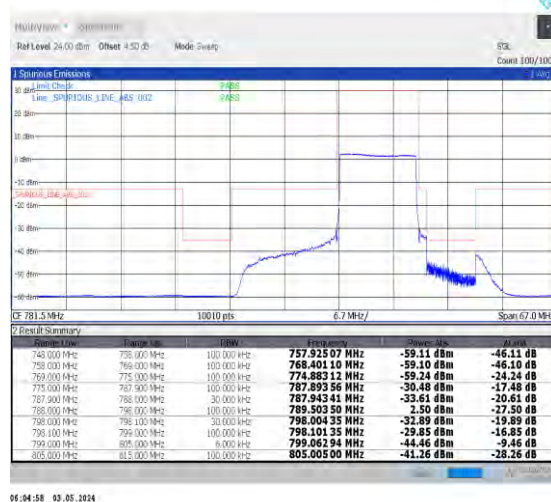
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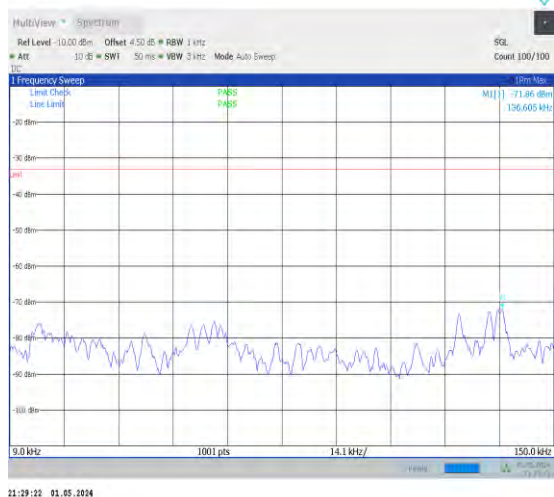
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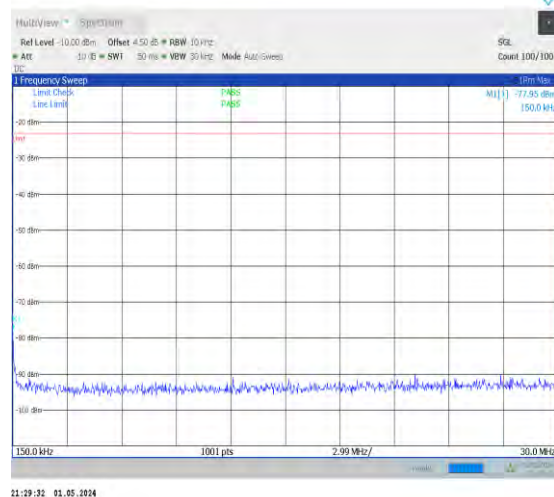
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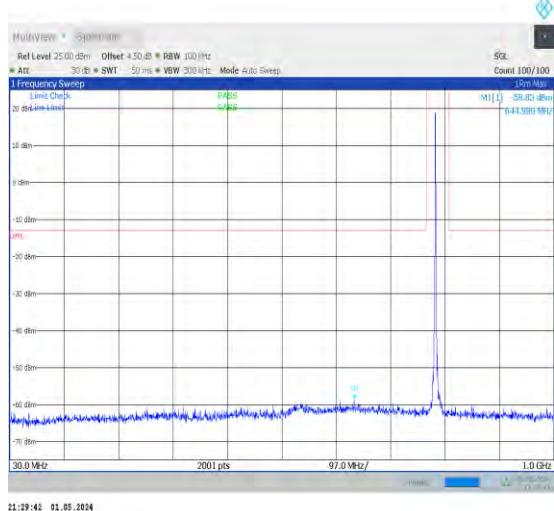
Test Graphs



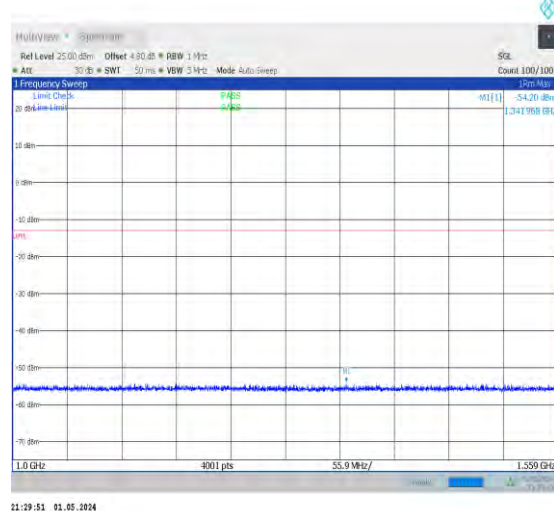
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1-N14-PC3-15-10-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-1559-Ant0-1341.97--54.20--13-PASS



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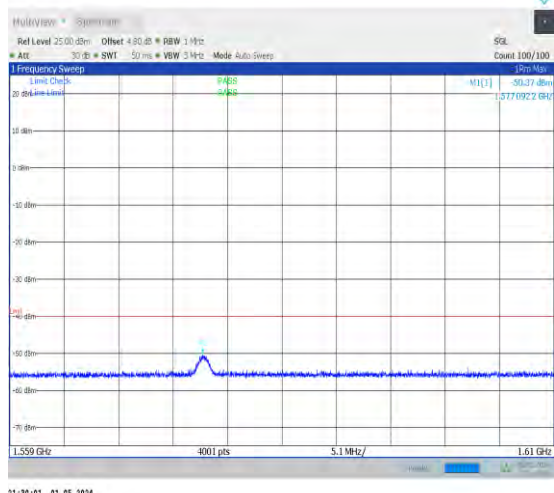
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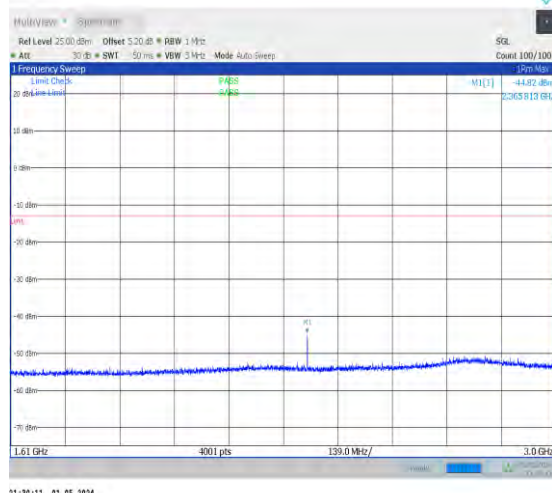
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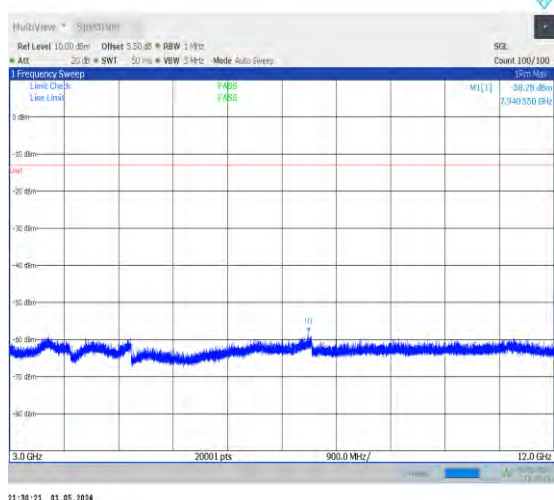
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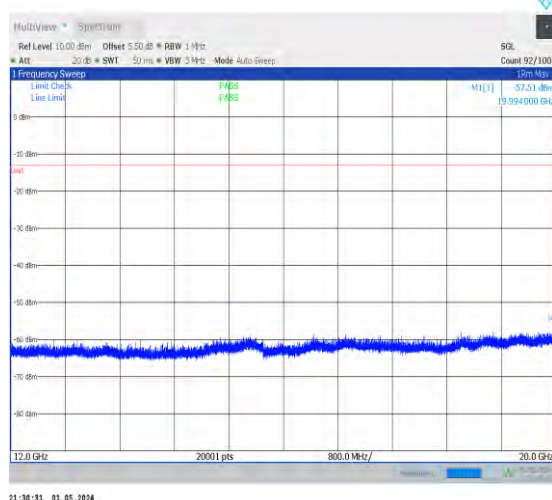
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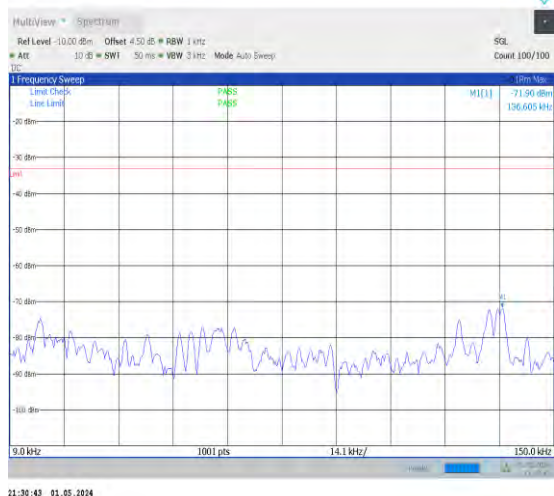
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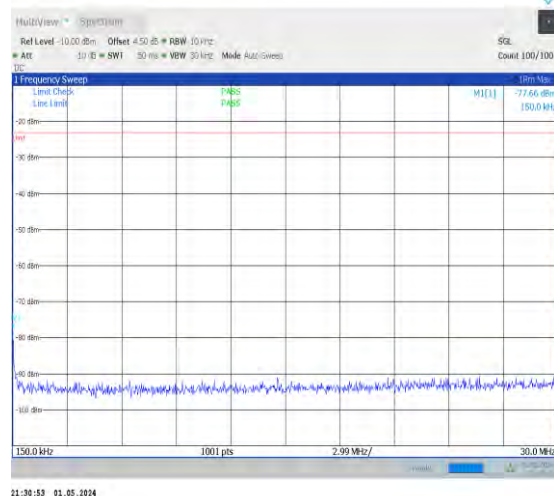
Report No.: SUCR240400009002

Rev.: 01

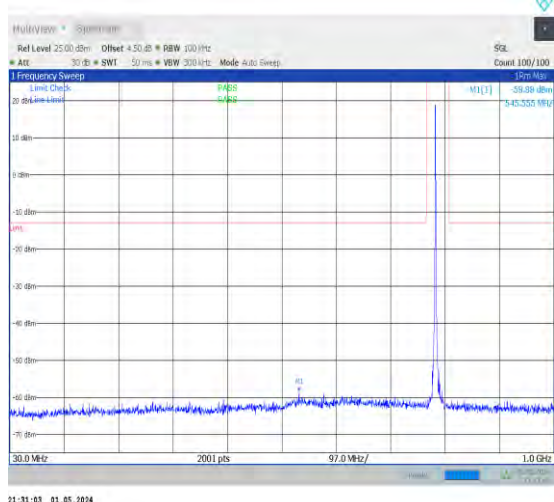
Page: 27 of 36



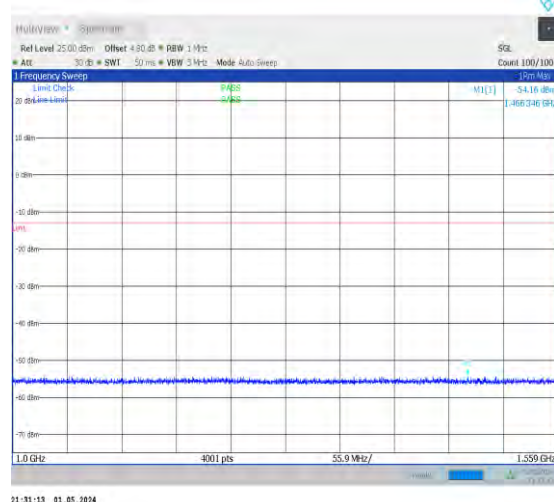
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t-1@1-0.15-30-Ant0-0.15--77.66--23-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant0-545.56--58.88--13-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-1559-Ant0-1466.35--54.16--13-PASS



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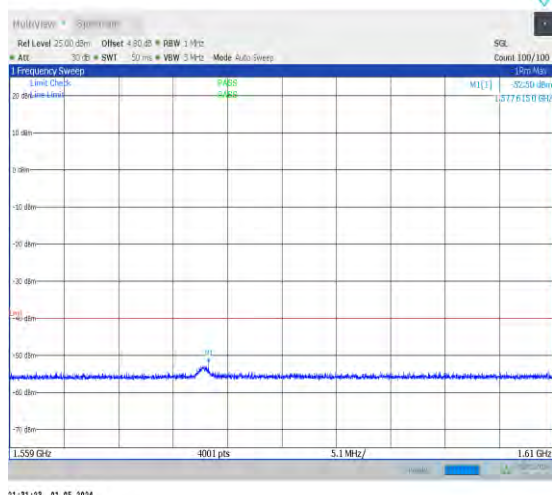
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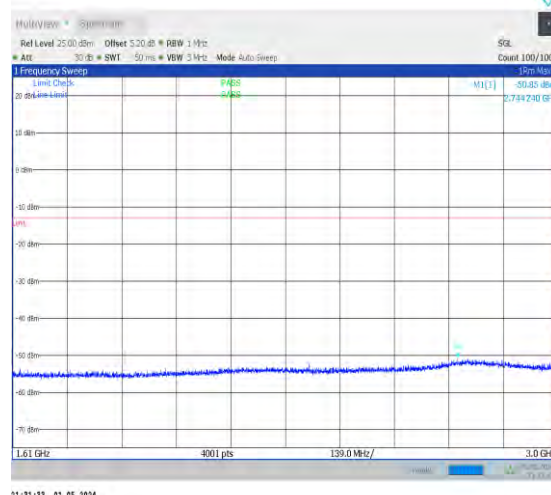
Report No.: SUCR240400009002

Rev.: 01

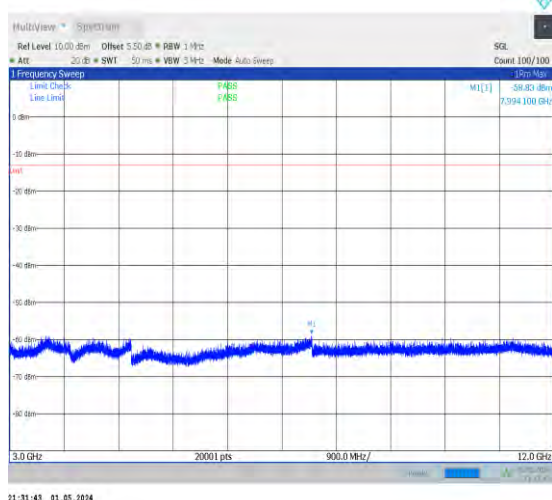
Page: 28 of 36



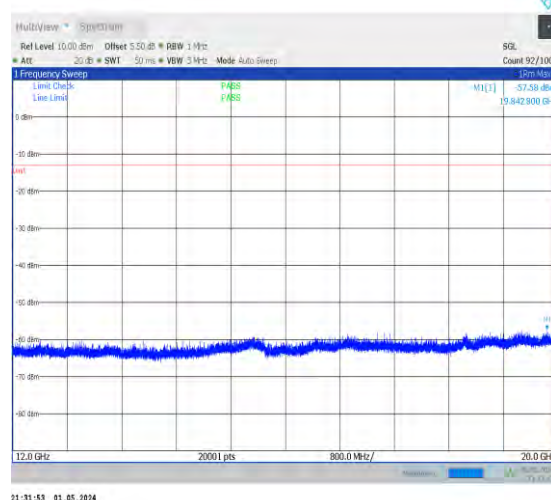
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1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1610-3000-Ant0-2744.24--50.85--13-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant0-7994.10--58.83--13-PAS
S



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-20000-Ant0-19842.80--57.58--13-PASS



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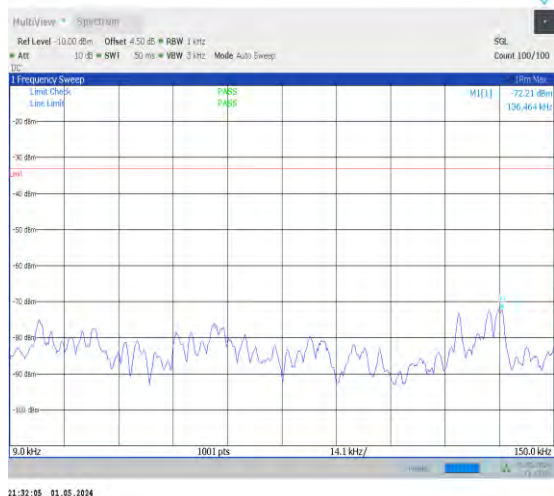
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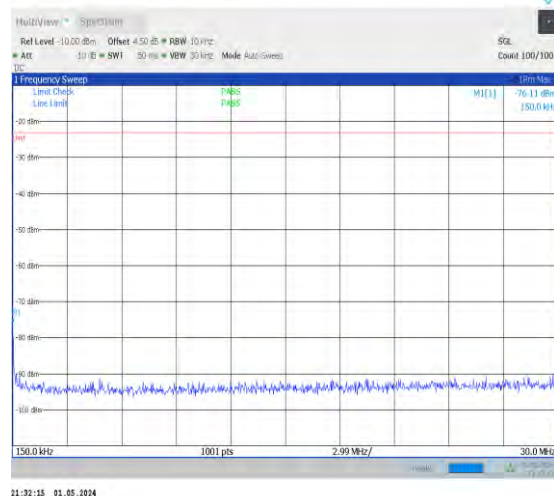
Report No.: SUCR240400009002

Rev.: 01

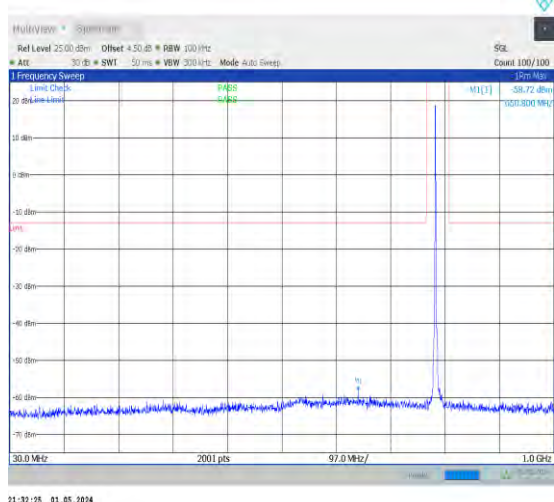
Page: 29 of 36



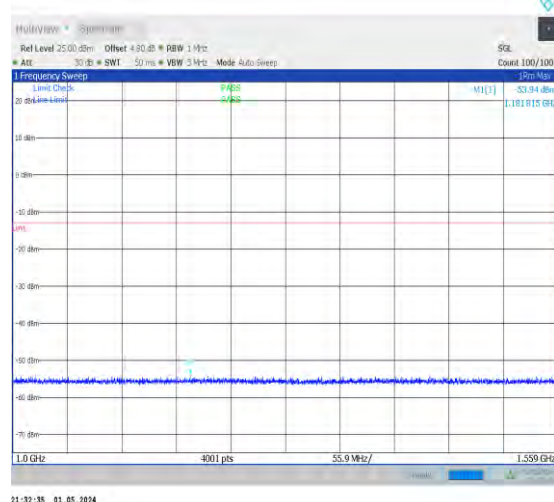
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eft-1@1-0.009-0.15-Ant0-0.14--72.21--33-PASS



1-N14-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-0.15-30-Ant0-0.15--76.11--23-PASS



1-N14-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant0-650.80--58.72--13-PASS



1-N14-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-1559-Ant0-1181.81--53.94--13-PASS



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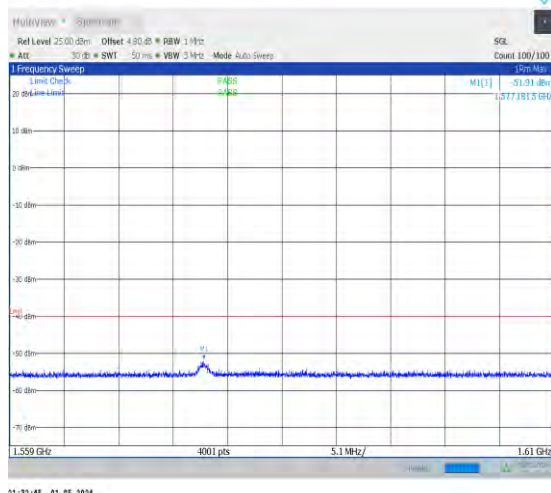
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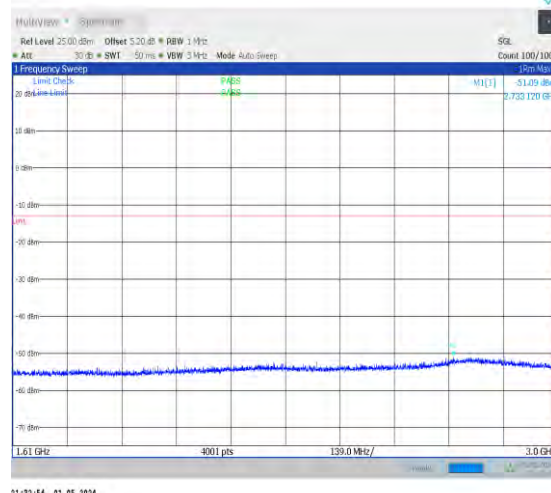
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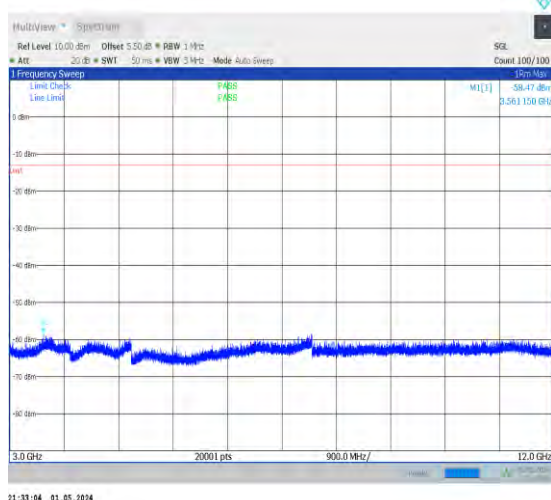
Page: 30 of 36



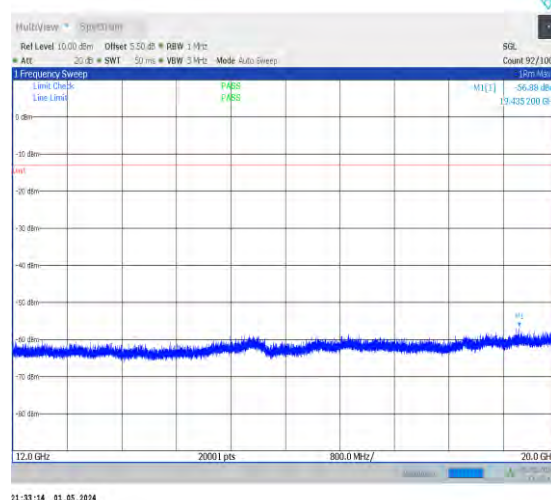
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t-1@1-1610-3000-Ant0-2733.12--51.09--13-PASS



1-N14-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant0-3561.15--58.47--13-PAS
S



1-N14-PC3-15-10-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-20000-Ant0-19435.20--56.88--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N14_5MHz

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1577	59.63	-53.54	25.85	-63.32	-40.00	23.32	Horizontal
2	2365	62.42	-52.10	27.87	-57.07	-13.00	44.07	Horizontal
3	3368.5	57.07	-50.06	29.74	-58.51	-13.00	45.51	Horizontal
4	5123	52.09	-44.78	33.55	-54.40	-13.00	41.40	Horizontal
5	7564	49.87	-42.09	36.77	-50.71	-13.00	37.71	Horizontal
6	9501.5	49.35	-39.28	39.20	-45.99	-13.00	32.99	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1577	55.01	-53.54	25.85	-67.94	-40.00	27.94	Vertical
2	1775	61.35	-53.14	25.60	-61.45	-13.00	48.45	Vertical
3	2533.5	53.89	-51.68	28.20	-64.85	-13.00	51.85	Vertical
4	3836	52.53	-48.12	30.43	-60.42	-13.00	47.42	Vertical
5	5070.5	51.54	-44.67	33.44	-54.95	-13.00	41.95	Vertical
6	9516.5	49.65	-39.31	39.17	-45.75	-13.00	32.75	Vertical



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Test Band = SA_N14_5MHz
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1582	55.79	-53.54	25.84	-67.17	-40.00	27.17	Horizontal
2	2372	62.96	-52.12	27.86	-56.56	-13.00	43.56	Horizontal
3	3367.5	58.18	-50.07	29.74	-57.41	-13.00	44.41	Horizontal
4	4984.5	51.31	-44.56	33.13	-55.38	-13.00	42.38	Horizontal
5	7373	49.83	-42.46	36.85	-51.04	-13.00	38.04	Horizontal
6	9506	49.32	-39.29	39.19	-46.04	-13.00	33.04	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1608	54.38	-53.46	25.82	-68.52	-40.00	28.52	Vertical
2	2107.5	54.01	-52.60	27.49	-66.36	-13.00	53.36	Vertical
3	3176.5	53.20	-50.26	30.35	-61.97	-13.00	48.97	Vertical
4	4796	51.46	-44.52	32.38	-55.94	-13.00	42.94	Vertical
5	7018.5	51.09	-43.41	36.43	-51.15	-13.00	38.15	Vertical
6	9507.5	49.13	-39.29	39.19	-46.23	-13.00	33.23	Vertical



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Test Band = SA_N14_5MHz
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1586.5	59.01	-53.54	25.83	-63.96	-40.00	23.96	Horizontal
2	2379.5	62.96	-52.14	27.84	-56.60	-13.00	43.60	Horizontal
3	3366.5	58.11	-50.07	29.73	-57.49	-13.00	44.49	Horizontal
4	4962.5	52.04	-44.34	33.18	-54.38	-13.00	41.38	Horizontal
5	7374	50.96	-42.44	36.85	-49.89	-13.00	36.89	Horizontal
6	9226	49.06	-39.20	38.96	-46.44	-13.00	33.44	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1587	55.72	-53.54	25.83	-67.25	-40.00	27.25	Vertical
2	1774.5	64.14	-53.14	25.60	-58.66	-13.00	45.66	Vertical
3	2804	54.44	-51.32	28.62	-63.52	-13.00	50.52	Vertical
4	3972	53.32	-48.19	30.99	-59.14	-13.00	46.14	Vertical
5	5070.5	52.30	-44.67	33.44	-54.19	-13.00	41.19	Vertical
6	9083.5	49.61	-39.74	38.70	-46.69	-13.00	33.69	Vertical



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Test Band = SA_N14_10MHz

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1577	57.13	-53.54	25.85	-65.82	-40.00	25.82	Horizontal
2	2365	64.28	-52.10	27.87	-55.21	-13.00	42.21	Horizontal
3	3370.5	59.32	-50.04	29.74	-56.24	-13.00	43.24	Horizontal
4	5092	52.36	-44.49	33.48	-53.91	-13.00	40.91	Horizontal
5	7883	50.33	-41.85	37.30	-49.48	-13.00	36.48	Horizontal
6	9989.5	48.51	-38.67	38.64	-46.78	-13.00	33.78	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1603	54.94	-53.50	25.81	-68.01	-40.00	28.01	Vertical
2	1775.5	58.11	-53.14	25.60	-64.69	-13.00	51.69	Vertical
3	2350.5	54.40	-52.06	27.90	-65.02	-13.00	52.02	Vertical
4	3621	53.90	-49.45	30.28	-60.53	-13.00	47.53	Vertical
5	5865	52.05	-44.64	34.16	-53.69	-13.00	40.69	Vertical
6	9093.5	49.69	-39.72	38.70	-46.59	-13.00	33.59	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
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.800000	0.001009	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.500000	0.004414	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.400000	0.003026	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VH	NT	4.900000	0.006179	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VN	NT	3.900000	0.004918	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VL	NT	-1.100000	-0.001387	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	2.400000	0.003026	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.900000	0.003657	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.000000	0.002522	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	2.100000	0.002648	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	1.300000	0.001639	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	2.200000	0.002774	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	2.600000	0.003279	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.200000	0.001513	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	1.100000	0.001387	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	50	5.500000	0.006936	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-20	3.800000	0.004792	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-10	3.300000	0.004161	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	0	4.400000	0.005549	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	10	0.800000	0.001009	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	20	4.500000	0.005675	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	30	3.300000	0.004161	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	40	5.900000	0.007440	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-30	1.100000	0.001387	PASS

---End of Attachment---



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