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Appendix B.15

NR Band n7



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N7	15	5	DFT-QPSK	L	Inner_1RB_Left	24.77	23.17	33.00	PASS
N7	15	5	DFT-16QAM	L	Inner_1RB_Left	23.71	22.11	33.00	PASS
N7	15	5	DFT-QPSK	M	Inner_1RB_Left	24.80	23.20	33.00	PASS
N7	15	5	DFT-16QAM	M	Inner_1RB_Left	23.83	22.23	33.00	PASS
N7	15	5	DFT-QPSK	H	Inner_1RB_Left	24.67	23.07	33.00	PASS
N7	15	5	DFT-16QAM	H	Inner_1RB_Left	23.70	22.10	33.00	PASS
N7	15	10	DFT-QPSK	L	Inner_1RB_Left	24.76	23.16	33.00	PASS
N7	15	10	DFT-16QAM	L	Inner_1RB_Left	23.60	22.00	33.00	PASS
N7	15	10	DFT-QPSK	M	Inner_1RB_Left	24.84	23.24	33.00	PASS
N7	15	10	DFT-16QAM	M	Inner_1RB_Left	23.77	22.17	33.00	PASS
N7	15	10	DFT-QPSK	H	Inner_1RB_Left	24.62	23.02	33.00	PASS
N7	15	10	DFT-16QAM	H	Inner_1RB_Left	23.67	22.07	33.00	PASS
N7	15	15	DFT-QPSK	L	Inner_1RB_Left	24.85	23.25	33.00	PASS
N7	15	15	DFT-16QAM	L	Inner_1RB_Left	23.85	22.25	33.00	PASS
N7	15	15	DFT-QPSK	M	Inner_1RB_Left	24.93	23.33	33.00	PASS
N7	15	15	DFT-16QAM	M	Inner_1RB_Left	23.88	22.28	33.00	PASS
N7	15	15	DFT-QPSK	H	Inner_1RB_Left	24.75	23.15	33.00	PASS
N7	15	15	DFT-16QAM	H	Inner_1RB_Left	23.72	22.12	33.00	PASS
N7	15	20	DFT-QPSK	L	Inner_1RB_Left	24.83	23.23	33.00	PASS
N7	15	20	DFT-16QAM	L	Inner_1RB_Left	23.80	22.20	33.00	PASS
N7	15	20	DFT-QPSK	M	Inner_1RB_Left	24.90	23.30	33.00	PASS
N7	15	20	DFT-16QAM	M	Inner_1RB_Left	23.96	22.36	33.00	PASS
N7	15	20	DFT-QPSK	H	Inner_1RB_Left	24.77	23.17	33.00	PASS
N7	15	20	DFT-16QAM	H	Inner_1RB_Left	23.79	22.19	33.00	PASS
N7	15	25	DFT-QPSK	L	Inner_1RB_Left	24.84	23.24	33.00	PASS
N7	15	25	DFT-16QAM	L	Inner_1RB_Left	23.84	22.24	33.00	PASS
N7	15	25	DFT-QPSK	M	Inner_1RB_Left	24.99	23.39	33.00	PASS
N7	15	25	DFT-16QAM	M	Inner_1RB_Left	23.97	22.37	33.00	PASS
N7	15	25	DFT-QPSK	H	Inner_1RB_Left	24.88	23.28	33.00	PASS
N7	15	25	DFT-16QAM	H	Inner_1RB_Left	23.90	22.30	33.00	PASS
N7	15	30	DFT-QPSK	L	Inner_1RB_Left	24.78	23.18	33.00	PASS



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N7	15	30	DFT-16QAM	L	Inner_1RB_Left	23.80	22.20	33.00	PASS
N7	15	30	DFT-QPSK	M	Inner_1RB_Left	25.01	23.41	33.00	PASS
N7	15	30	DFT-16QAM	M	Inner_1RB_Left	23.99	22.39	33.00	PASS
N7	15	30	DFT-QPSK	H	Inner_1RB_Left	24.87	23.27	33.00	PASS
N7	15	30	DFT-16QAM	H	Inner_1RB_Left	23.92	22.32	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	24.91	23.31	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	25.13	23.53	33.00	PASS
N7	15	40	DFT-PI2BPSK	L	Outer_Full	24.64	23.04	33.00	PASS
N7	15	40	DFT-QPSK	L	Inner_1RB_Left	24.85	23.25	33.00	PASS
N7	15	40	DFT-QPSK	L	Inner_1RB_Right	25.06	23.46	33.00	PASS
N7	15	40	DFT-QPSK	L	Outer_Full	24.11	22.51	33.00	PASS
N7	15	40	DFT-16QAM	L	Inner_1RB_Left	23.86	22.26	33.00	PASS
N7	15	40	DFT-16QAM	L	Inner_1RB_Right	24.17	22.57	33.00	PASS
N7	15	40	DFT-16QAM	L	Outer_Full	23.17	21.57	33.00	PASS
N7	15	40	DFT-64QAM	L	Inner_1RB_Left	22.75	21.15	33.00	PASS
N7	15	40	DFT-64QAM	L	Inner_1RB_Right	22.91	21.31	33.00	PASS
N7	15	40	DFT-64QAM	L	Outer_Full	22.64	21.04	33.00	PASS
N7	15	40	DFT-256QAM	L	Inner_1RB_Left	20.02	18.42	33.00	PASS
N7	15	40	DFT-256QAM	L	Inner_1RB_Right	20.24	18.64	33.00	PASS
N7	15	40	DFT-256QAM	L	Outer_Full	20.65	19.05	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Inner_1RB_Left	25.03	23.43	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	25.09	23.49	33.00	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	24.66	23.06	33.00	PASS
N7	15	40	DFT-QPSK	M	Inner_1RB_Left	24.95	23.35	33.00	PASS
N7	15	40	DFT-QPSK	M	Inner_1RB_Right	24.99	23.39	33.00	PASS
N7	15	40	DFT-QPSK	M	Outer_Full	24.18	22.58	33.00	PASS
N7	15	40	DFT-16QAM	M	Inner_1RB_Left	24.04	22.44	33.00	PASS
N7	15	40	DFT-16QAM	M	Inner_1RB_Right	24.06	22.46	33.00	PASS
N7	15	40	DFT-16QAM	M	Outer_Full	23.17	21.57	33.00	PASS
N7	15	40	DFT-64QAM	M	Inner_1RB_Left	22.84	21.24	33.00	PASS
N7	15	40	DFT-64QAM	M	Inner_1RB_Right	22.81	21.21	33.00	PASS
N7	15	40	DFT-64QAM	M	Outer_Full	22.74	21.14	33.00	PASS
N7	15	40	DFT-256QAM	M	Inner_1RB_Left	20.19	18.59	33.00	PASS
N7	15	40	DFT-256QAM	M	Inner_1RB_Right	20.17	18.57	33.00	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	20.68	19.08	33.00	PASS
N7	15	40	DFT-PI2BPSK	H	Inner_1RB_Left	24.96	23.36	33.00	PASS
N7	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	24.95	23.35	33.00	PASS



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N7	15	40	DFT-PI2BPSK	H	Outer_Full	24.52	22.92	33.00	PASS
N7	15	40	DFT-QPSK	H	Inner_1RB_Left	25.03	23.43	33.00	PASS
N7	15	40	DFT-QPSK	H	Inner_1RB_Right	25.20	23.60	33.00	PASS
N7	15	40	DFT-QPSK	H	Outer_Full	24.05	22.45	33.00	PASS
N7	15	40	DFT-16QAM	H	Inner_1RB_Left	23.95	22.35	33.00	PASS
N7	15	40	DFT-16QAM	H	Inner_1RB_Right	23.98	22.38	33.00	PASS
N7	15	40	DFT-16QAM	H	Outer_Full	23.09	21.49	33.00	PASS
N7	15	40	DFT-64QAM	H	Inner_1RB_Left	22.70	21.10	33.00	PASS
N7	15	40	DFT-64QAM	H	Inner_1RB_Right	22.96	21.36	33.00	PASS
N7	15	40	DFT-64QAM	H	Outer_Full	22.65	21.05	33.00	PASS
N7	15	40	DFT-256QAM	H	Inner_1RB_Left	20.08	18.48	33.00	PASS
N7	15	40	DFT-256QAM	H	Inner_1RB_Right	20.25	18.65	33.00	PASS
N7	15	40	DFT-256QAM	H	Outer_Full	20.51	18.91	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N7	15	40	DFT-256QAM	L	Outer_Full	6.38	≤13	PASS
N7	15	40	CP-256QAM	L	Outer_Full	6.38	≤13	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	6.20	≤13	PASS
N7	15	40	CP-256QAM	M	Outer_Full	6.19	≤13	PASS
N7	15	40	DFT-256QAM	H	Outer_Full	6.19	≤13	PASS
N7	15	40	CP-256QAM	H	Outer_Full	6.18	≤13	PASS



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Test Graphs



1-N7-PC3-15-40-L-1-DFT-256QAM-Outer_Full-216@
0-Ant5-6.38-100%-0.00-6.38-PASS-≤13

1-N7-PC3-15-40-L-2-CP-256QAM-Outer_Full-216@
0-Ant5-6.38-100%-0.00-6.38-PASS-≤13



1-N7-PC3-15-40-M-1-DFT-256QAM-Outer_Full-216
@0-Ant5-6.20-100%-0.00-6.20-PASS-≤13

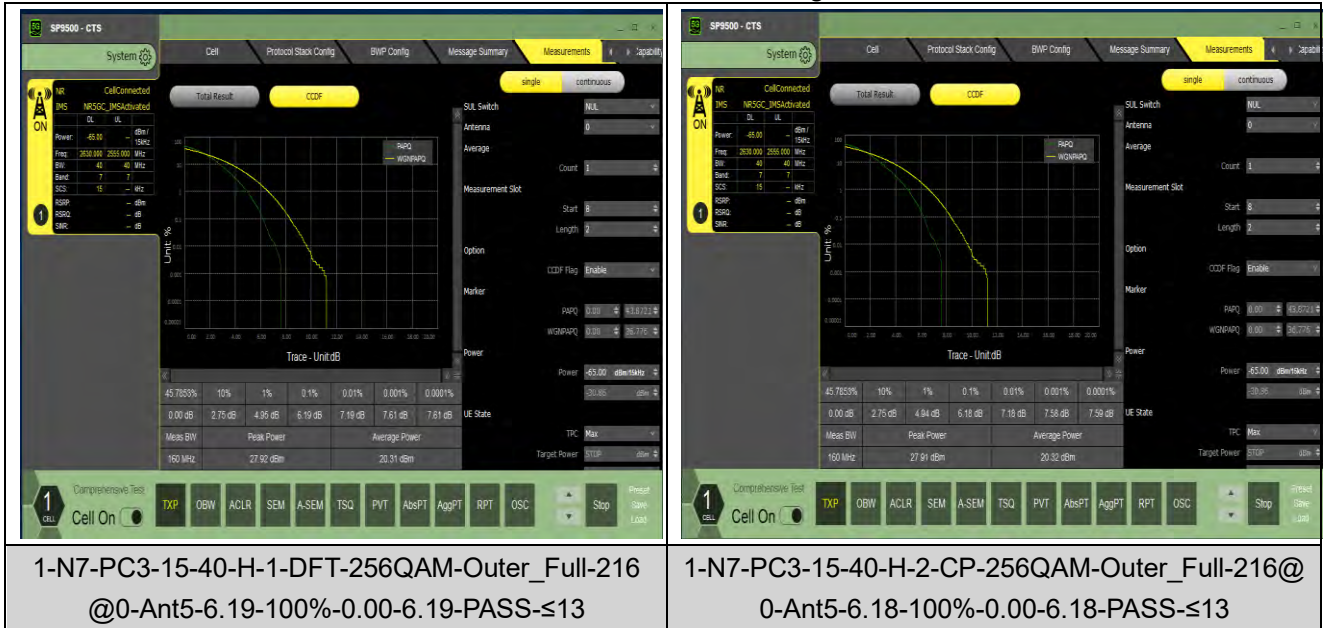
1-N7-PC3-15-40-M-2-CP-256QAM-Outer_Full-216
@0-Ant5-6.19-100%-0.00-6.19-PASS-≤13



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N7	15	5	DFT-QPSK	M	Outer_Full	4.483	4.950	PASS
N7	15	5	DFT-PI2BPSK	M	Outer_Full	4.473	4.990	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	4.488	4.950	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	4.476	4.930	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	4.496	5.090	PASS
N7	15	5	CP-QPSK	M	Outer_Full	4.495	5.210	PASS
N7	15	5	CP-16QAM	M	Outer_Full	4.505	5.310	PASS
N7	15	5	CP-64QAM	M	Outer_Full	4.48	5.120	PASS
N7	15	5	CP-256QAM	M	Outer_Full	4.477	5.050	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	8.949	9.640	PASS
N7	15	10	DFT-PI2BPSK	M	Outer_Full	8.913	9.620	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	8.982	9.500	PASS
N7	15	10	DFT-64QAM	M	Outer_Full	8.931	9.740	PASS
N7	15	10	DFT-256QAM	M	Outer_Full	8.92	9.660	PASS
N7	15	10	CP-QPSK	M	Outer_Full	9.293	10.200	PASS
N7	15	10	CP-16QAM	M	Outer_Full	9.297	9.980	PASS
N7	15	10	CP-64QAM	M	Outer_Full	9.285	9.980	PASS
N7	15	10	CP-256QAM	M	Outer_Full	9.324	9.980	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	13.448	14.280	PASS
N7	15	15	DFT-PI2BPSK	M	Outer_Full	13.458	14.250	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	13.456	14.370	PASS
N7	15	15	DFT-64QAM	M	Outer_Full	13.408	14.310	PASS
N7	15	15	DFT-256QAM	M	Outer_Full	13.463	14.220	PASS
N7	15	15	CP-QPSK	M	Outer_Full	14.126	15.000	PASS
N7	15	15	CP-16QAM	M	Outer_Full	14.156	14.940	PASS
N7	15	15	CP-64QAM	M	Outer_Full	14.147	15.060	PASS
N7	15	15	CP-256QAM	M	Outer_Full	14.13	14.970	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	17.907	18.920	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	17.913	18.880	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	17.903	18.840	PASS



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Report No.: SEWM2309000386RG02

Rev.: 01

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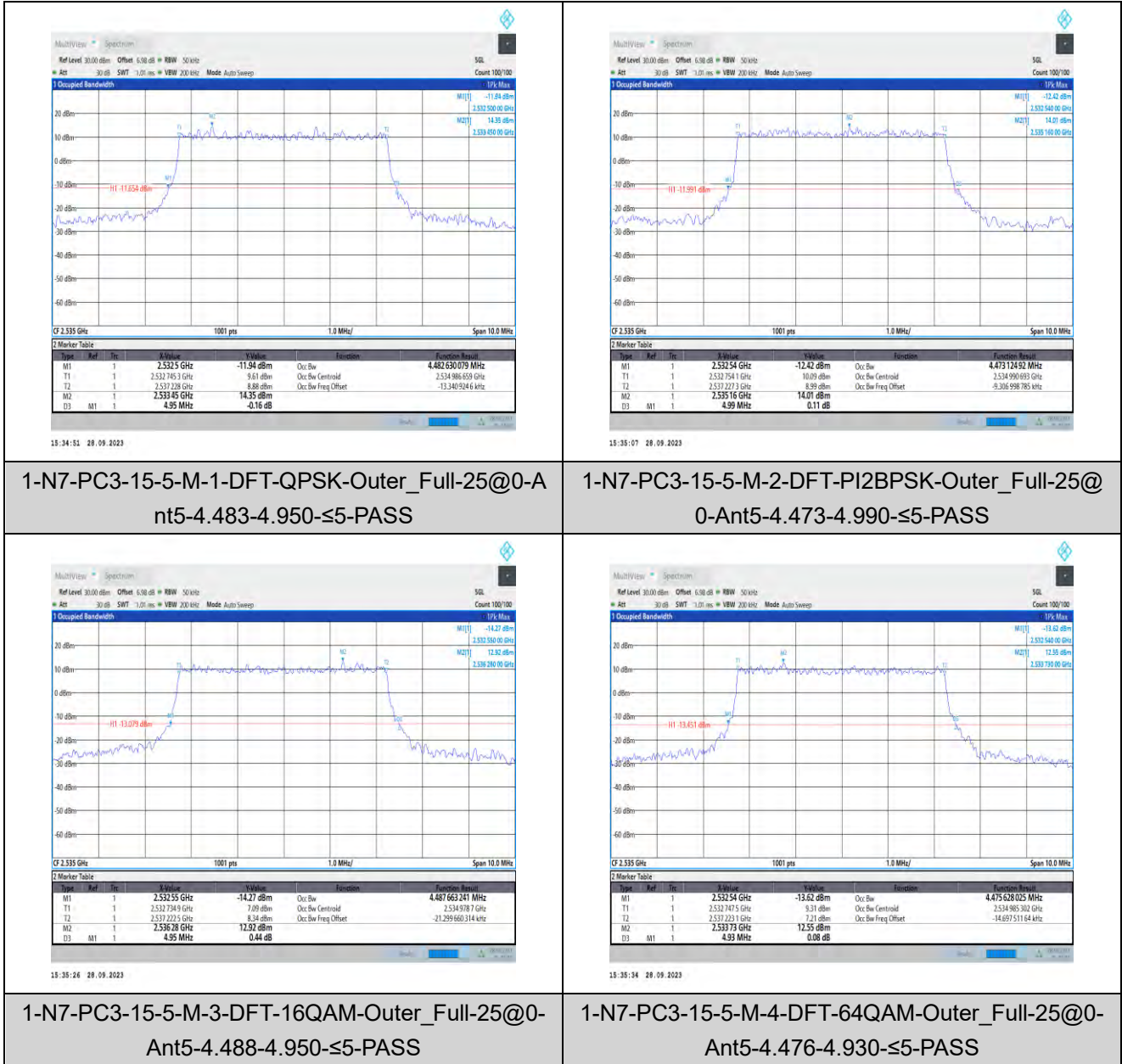
N7	15	20	DFT-64QAM	M	Outer_Full	17.899	18.840	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	17.903	18.720	PASS
N7	15	20	CP-QPSK	M	Outer_Full	18.934	19.920	PASS
N7	15	20	CP-16QAM	M	Outer_Full	18.965	20.000	PASS
N7	15	20	CP-64QAM	M	Outer_Full	18.954	20.000	PASS
N7	15	20	CP-256QAM	M	Outer_Full	18.912	19.880	PASS
N7	15	25	DFT-QPSK	M	Outer_Full	22.888	24.150	PASS
N7	15	25	DFT-PI2BPSK	M	Outer_Full	22.936	24.050	PASS
N7	15	25	DFT-16QAM	M	Outer_Full	22.969	24.050	PASS
N7	15	25	DFT-64QAM	M	Outer_Full	22.914	24.050	PASS
N7	15	25	DFT-256QAM	M	Outer_Full	22.917	24.000	PASS
N7	15	25	CP-QPSK	M	Outer_Full	23.785	24.800	PASS
N7	15	25	CP-16QAM	M	Outer_Full	23.769	24.850	PASS
N7	15	25	CP-64QAM	M	Outer_Full	23.765	25.000	PASS
N7	15	25	CP-256QAM	M	Outer_Full	23.755	24.850	PASS
N7	15	30	DFT-QPSK	M	Outer_Full	28.645	29.820	PASS
N7	15	30	DFT-PI2BPSK	M	Outer_Full	28.628	29.760	PASS
N7	15	30	DFT-16QAM	M	Outer_Full	28.555	29.640	PASS
N7	15	30	DFT-64QAM	M	Outer_Full	28.666	29.880	PASS
N7	15	30	DFT-256QAM	M	Outer_Full	28.616	29.820	PASS
N7	15	30	CP-QPSK	M	Outer_Full	28.607	29.820	PASS
N7	15	30	CP-16QAM	M	Outer_Full	28.661	29.700	PASS
N7	15	30	CP-64QAM	M	Outer_Full	28.592	29.820	PASS
N7	15	30	CP-256QAM	M	Outer_Full	28.583	29.640	PASS
N7	15	40	DFT-QPSK	M	Outer_Full	38.633	40.320	PASS
N7	15	40	DFT-PI2BPSK	M	Outer_Full	38.561	40.400	PASS
N7	15	40	DFT-16QAM	M	Outer_Full	38.578	40.240	PASS
N7	15	40	DFT-64QAM	M	Outer_Full	38.658	40.240	PASS
N7	15	40	DFT-256QAM	M	Outer_Full	38.553	40.160	PASS
N7	15	40	CP-QPSK	M	Outer_Full	38.628	40.320	PASS
N7	15	40	CP-16QAM	M	Outer_Full	38.531	40.240	PASS
N7	15	40	CP-64QAM	M	Outer_Full	38.57	40.160	PASS
N7	15	40	CP-256QAM	M	Outer_Full	38.524	40.240	PASS



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Test Graphs



1-N7-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-A
 nt5-4.483-4.950-≤5-PASS

1-N7-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@
 0-Ant5-4.473-4.990-≤5-PASS

1-N7-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-
 Ant5-4.488-4.950-≤5-PASS

1-N7-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-
 Ant5-4.476-4.930-≤5-PASS



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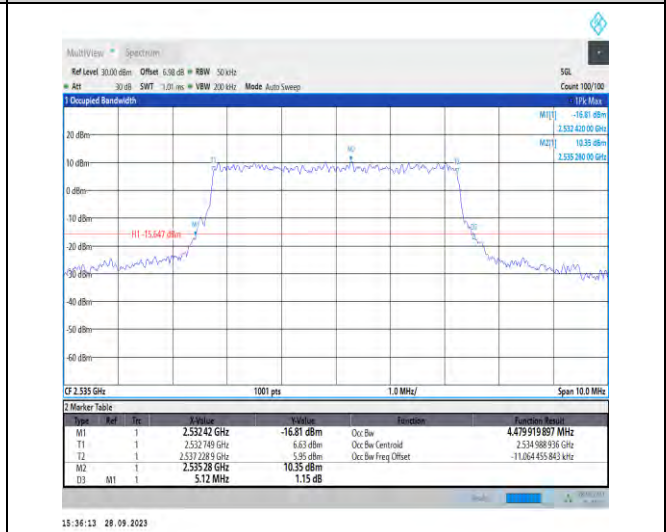
1-N7-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant5-4.496-5.090-≤5-PASS



1-N7-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant5-4.495-5.210-≤5-PASS



1-N7-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant5-4.505-5.310-≤5-PASS

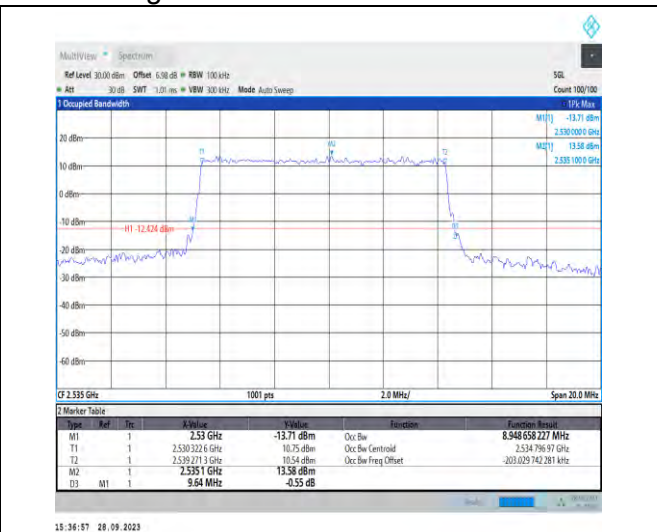
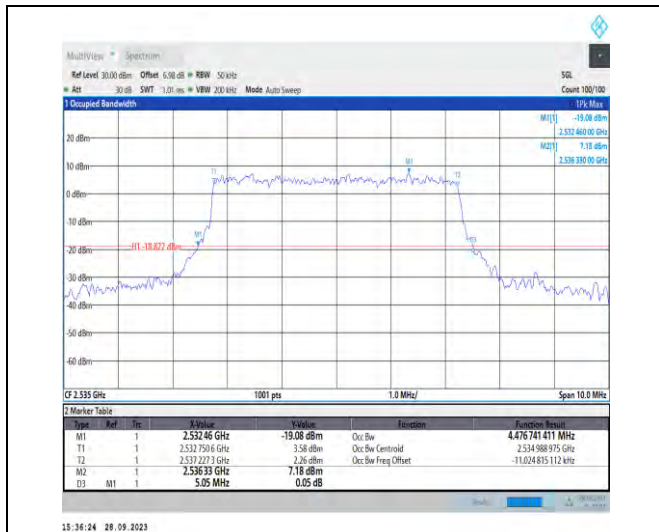


1-N7-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant5-4.48-5.120-≤5-PASS



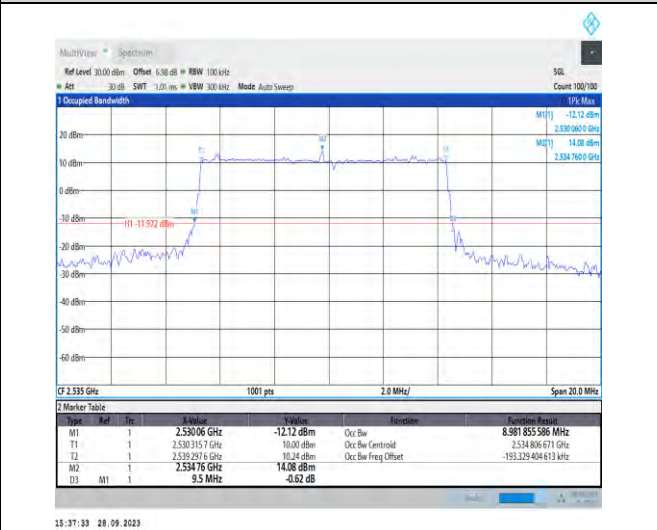
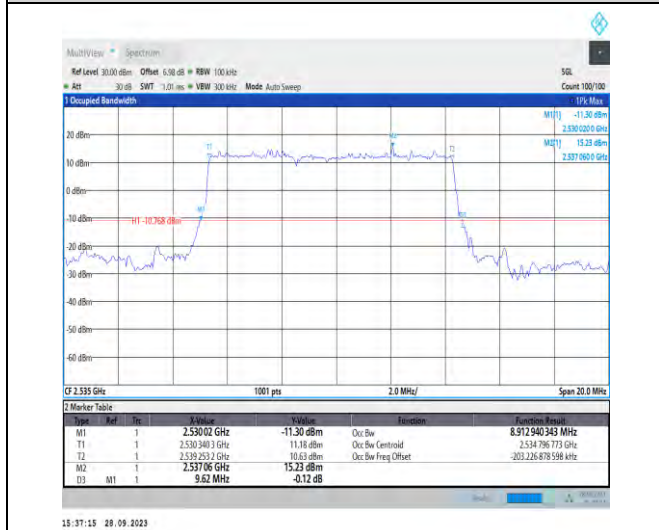
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1-N7-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant5-4.477-5.050-≤5-PASS

1-N7-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant5-8.949-9.640-≤10-PASS



1-N7-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant5-8.913-9.620-≤10-PASS

1-N7-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant5-8.982-9.500-≤10-PASS



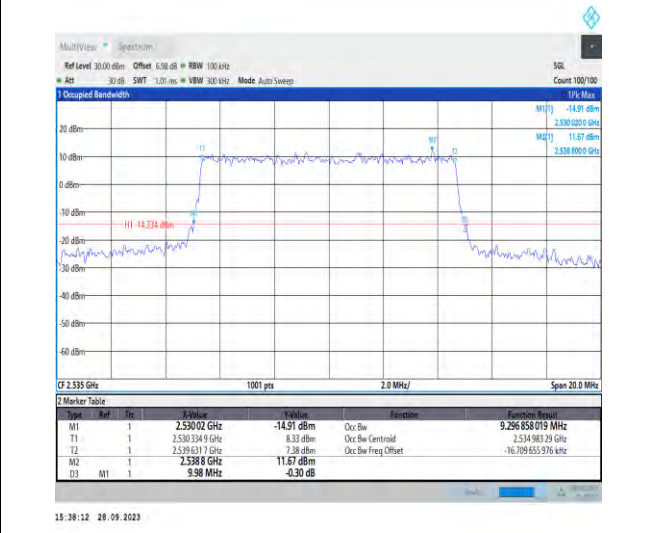
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1-N7-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant5-8.931-9.740-≤10-PASS

1-N7-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant5-8.92-9.660-≤10-PASS



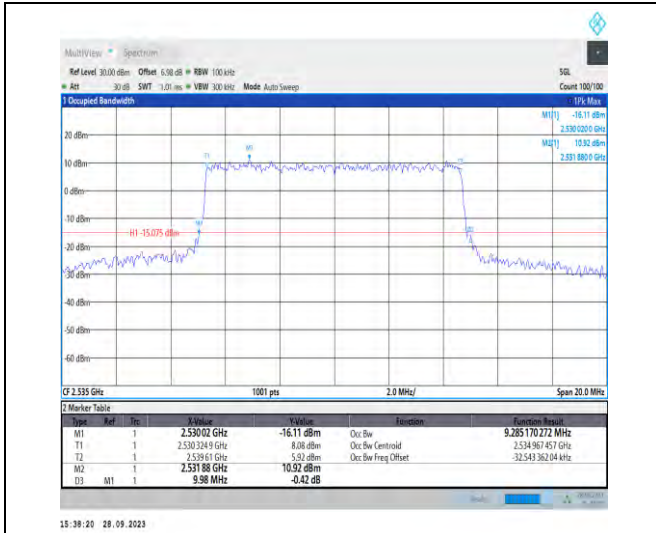
1-N7-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant5-9.293-10.200-≤10-PASS

1-N7-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant5-9.297-9.980-≤10-PASS



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1-N7-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant5-9.285-9.980-≤10-PASS



1-N7-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant5-9.324-9.980-≤10-PASS



1-N7-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant5-13.448-14.280-≤15-PASS

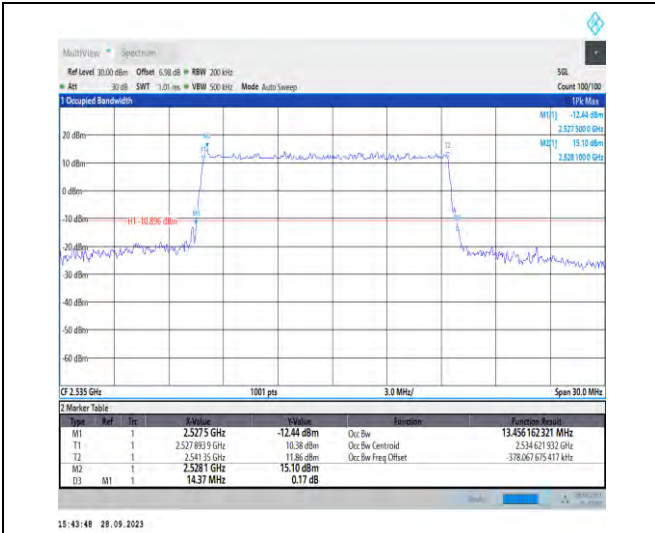


1-N7-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant5-13.458-14.250-≤15-PASS

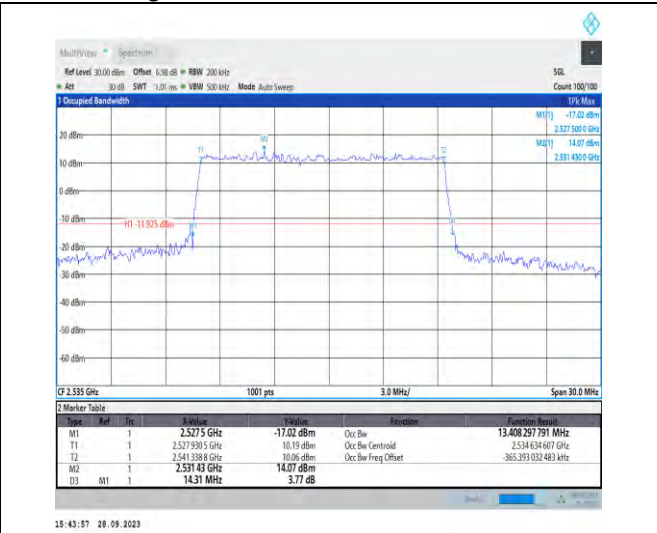


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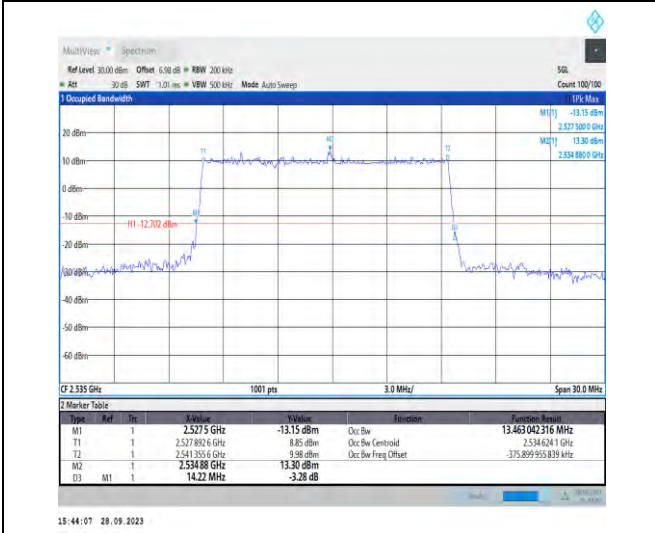
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1-N7-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0
-Ant5-13.456-14.370-≤15-PASS



1-N7-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0
-Ant5-13.408-14.310-≤15-PASS



1-N7-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0
0-Ant5-13.463-14.220-≤15-PASS



1-N7-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-A
nt5-14.126-15.000-≤15-PASS



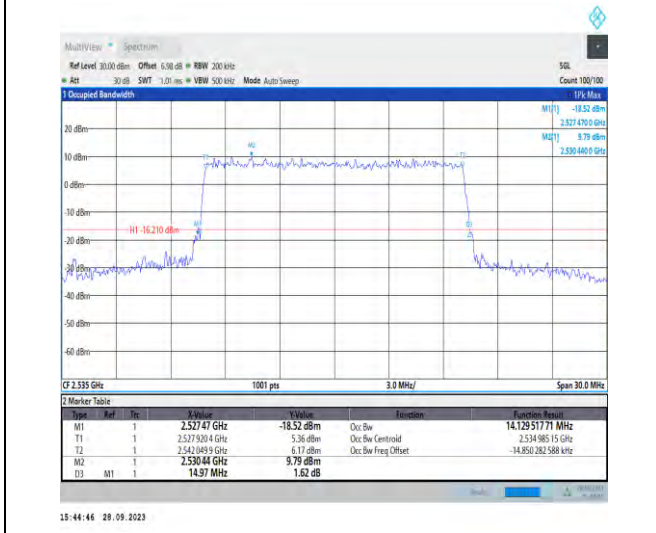
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1-N7-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant5-14.156-14.940-≤15-PASS

1-N7-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant5-14.147-15.060-≤15-PASS



1-N7-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant5-14.13-14.970-≤15-PASS

1-N7-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant5-17.907-18.920-≤20-PASS



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1-N7-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant5-17.913-18.880-≤20-PASS

1-N7-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant5-17.903-18.840-≤20-PASS



1-N7-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant5-17.899-18.840-≤20-PASS

1-N7-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant5-17.903-18.720-≤20-PASS



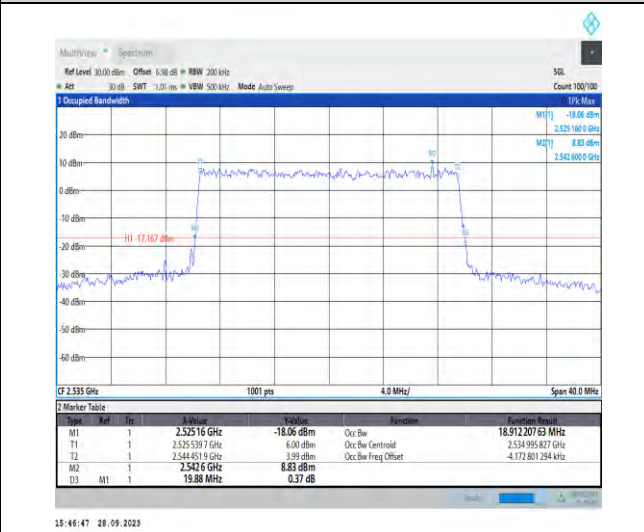
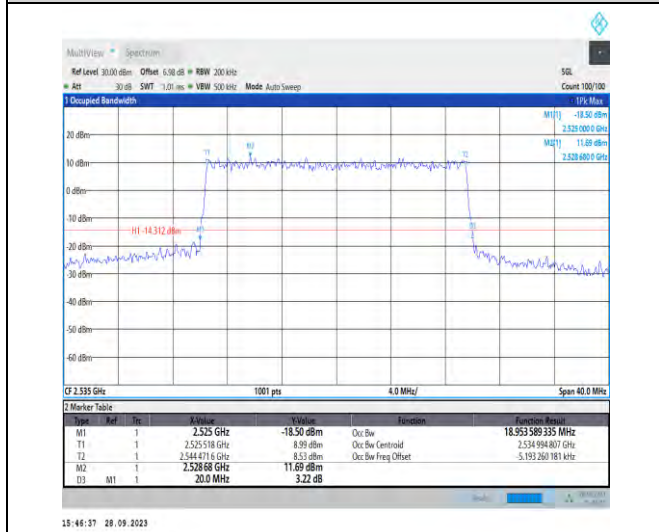
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1-N7-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant5-18.934-19.920-<=20-PASS

1-N7-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant5-18.965-20.000-<=20-PASS



1-N7-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant5-18.954-20.000-<=20-PASS

1-N7-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant5-18.912-19.880-<=20-PASS



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1-N7-PC3-15-25-M-1-DFT-QPSK-Outer_Full-128@0
 -Ant5-22.888-24.150-≤25-PASS

1-N7-PC3-15-25-M-2-DFT-PI2BPSK-Outer_Full-128
 @0-Ant5-22.936-24.050-≤25-PASS



1-N7-PC3-15-25-M-3-DFT-16QAM-Outer_Full-128@0
 0-Ant5-22.969-24.050-≤25-PASS

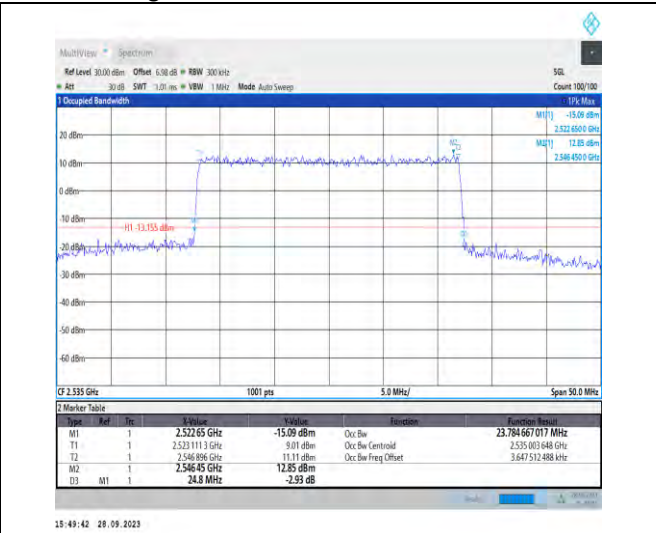
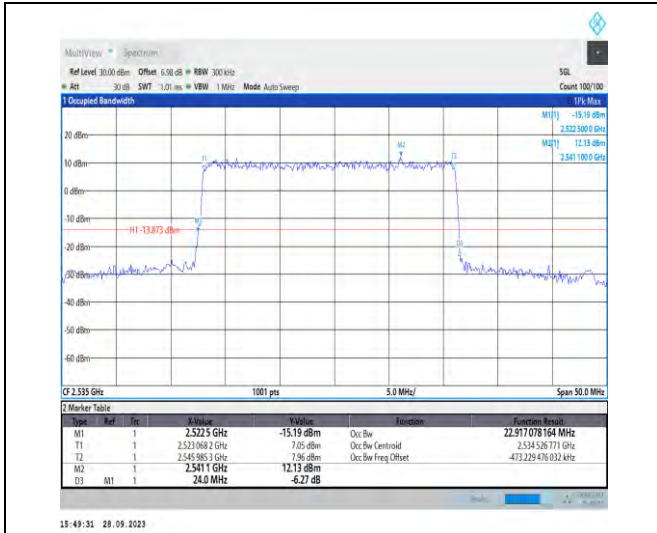
1-N7-PC3-15-25-M-4-DFT-64QAM-Outer_Full-128@0
 0-Ant5-22.914-24.050-≤25-PASS



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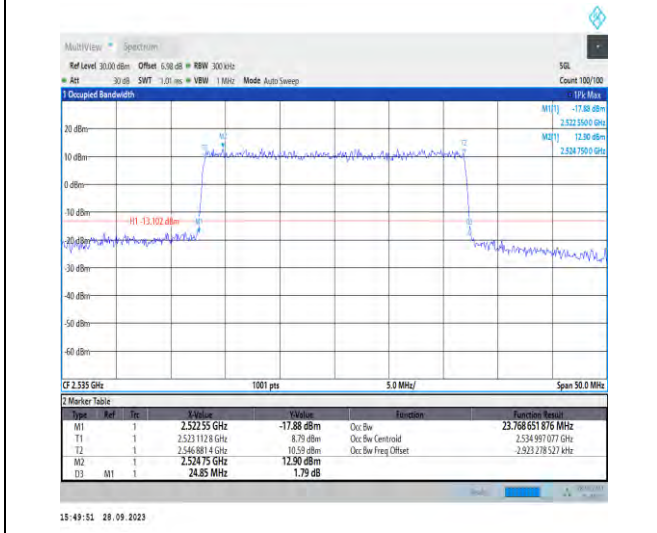
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1-N7-PC3-15-25-M-5-DFT-256QAM-Outer_Full-128 @0-Ant5-22.917-24.000-≤25-PASS

1-N7-PC3-15-25-M-6-CP-QPSK-Outer_Full-133@0-Ant5-23.785-24.800-≤25-PASS



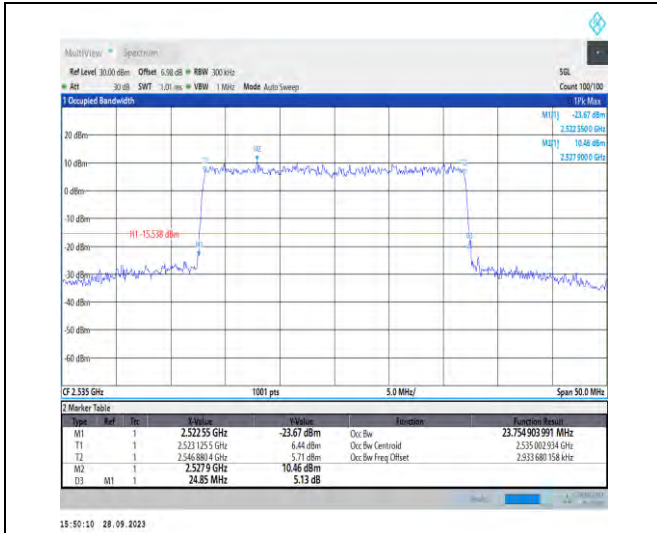
1-N7-PC3-15-25-M-7-CP-16QAM-Outer_Full-133@0 -Ant5-23.769-24.850-≤25-PASS

1-N7-PC3-15-25-M-8-CP-64QAM-Outer_Full-133@0 -Ant5-23.765-25.000-≤25-PASS



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1-N7-PC3-15-25-M-9-CP-256QAM-Outer_Full-133@
0-Ant5-23.755-24.850-≤25-PASS



1-N7-PC3-15-30-M-1-DFT-QPSK-Outer_Full-160@
0-Ant5-28.645-29.820-≤30-PASS



1-N7-PC3-15-30-M-2-DFT-PI2BPSK-Outer_Full-160
@0-Ant5-28.628-29.760-≤30-PASS



1-N7-PC3-15-30-M-3-DFT-16QAM-Outer_Full-160@
0-Ant5-28.555-29.640-≤30-PASS



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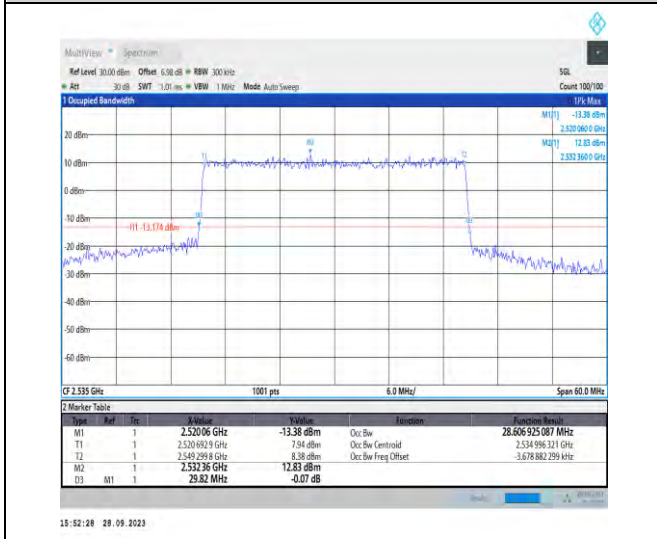
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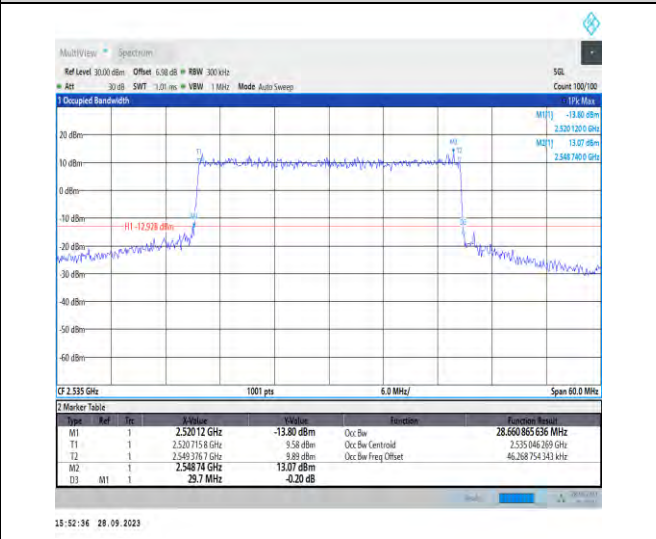
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 0-Ant5-28.666-29.880-≤30-PASS



1-N7-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160
 @0-Ant5-28.616-29.820-≤30-PASS



1-N7-PC3-15-30-M-6-CP-QPSK-Outer_Full-160@0-
 Ant5-28.607-29.820-≤30-PASS



1-N7-PC3-15-30-M-7-CP-16QAM-Outer_Full-160@0-
 -Ant5-28.661-29.700-≤30-PASS



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1-N7-PC3-15-30-M-8-CP-64QAM-Outer_Full-160@0
 -Ant5-28.592-29.820-≤30-PASS



1-N7-PC3-15-30-M-9-CP-256QAM-Outer_Full-160@0
 -Ant5-28.583-29.640-≤30-PASS



1-N7-PC3-15-40-M-1-DFT-QPSK-Outer_Full-216@0
 -Ant5-38.633-40.320-≤40-PASS



1-N7-PC3-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0
 -Ant5-38.561-40.400-≤40-PASS



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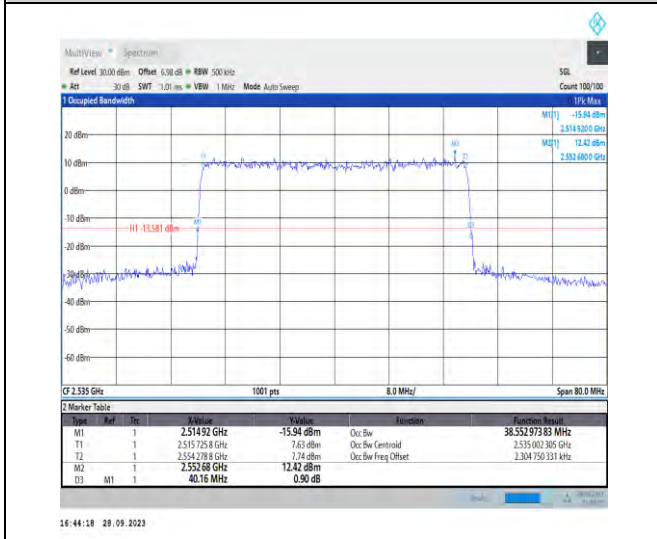
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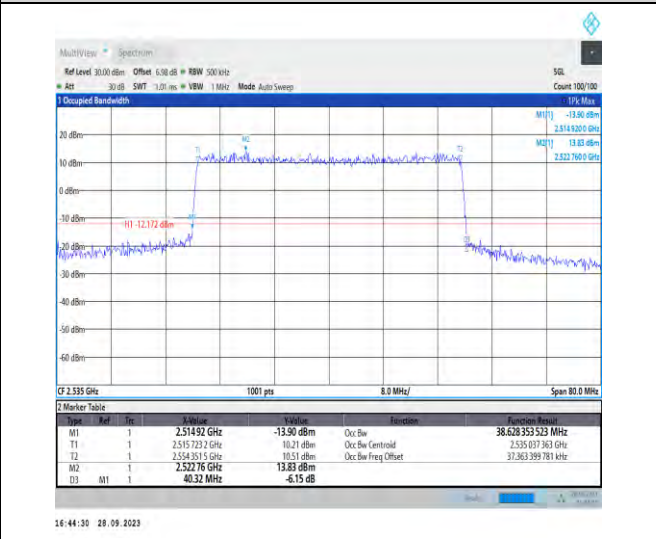
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1-N7-PC3-15-40-M-4-DFT-64QAM-Outer_Full-216@
 0-Ant5-38.658-40.240-≤40-PASS



1-N7-PC3-15-40-M-5-DFT-256QAM-Outer_Full-216
 @0-Ant5-38.553-40.160-≤40-PASS



1-N7-PC3-15-40-M-6-CP-QPSK-Outer_Full-216@0-
 Ant5-38.628-40.320-≤40-PASS



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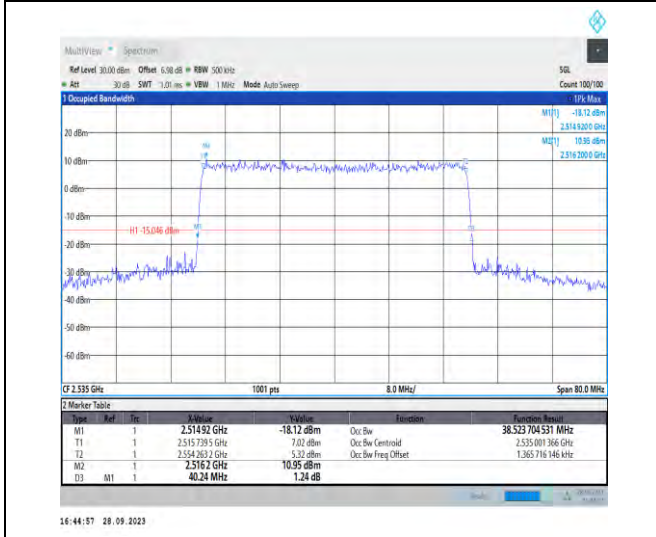
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-Ant5-38.531-40.240-≤40-PASS



1-N7-PC3-15-40-M-8-CP-64QAM-Outer_Full-216@0
-Ant5-38.57-40.160-≤40-PASS



1-N7-PC3-15-40-M-9-CP-256QAM-Outer_Full-216@0
0-Ant5-38.524-40.240-≤40-PASS

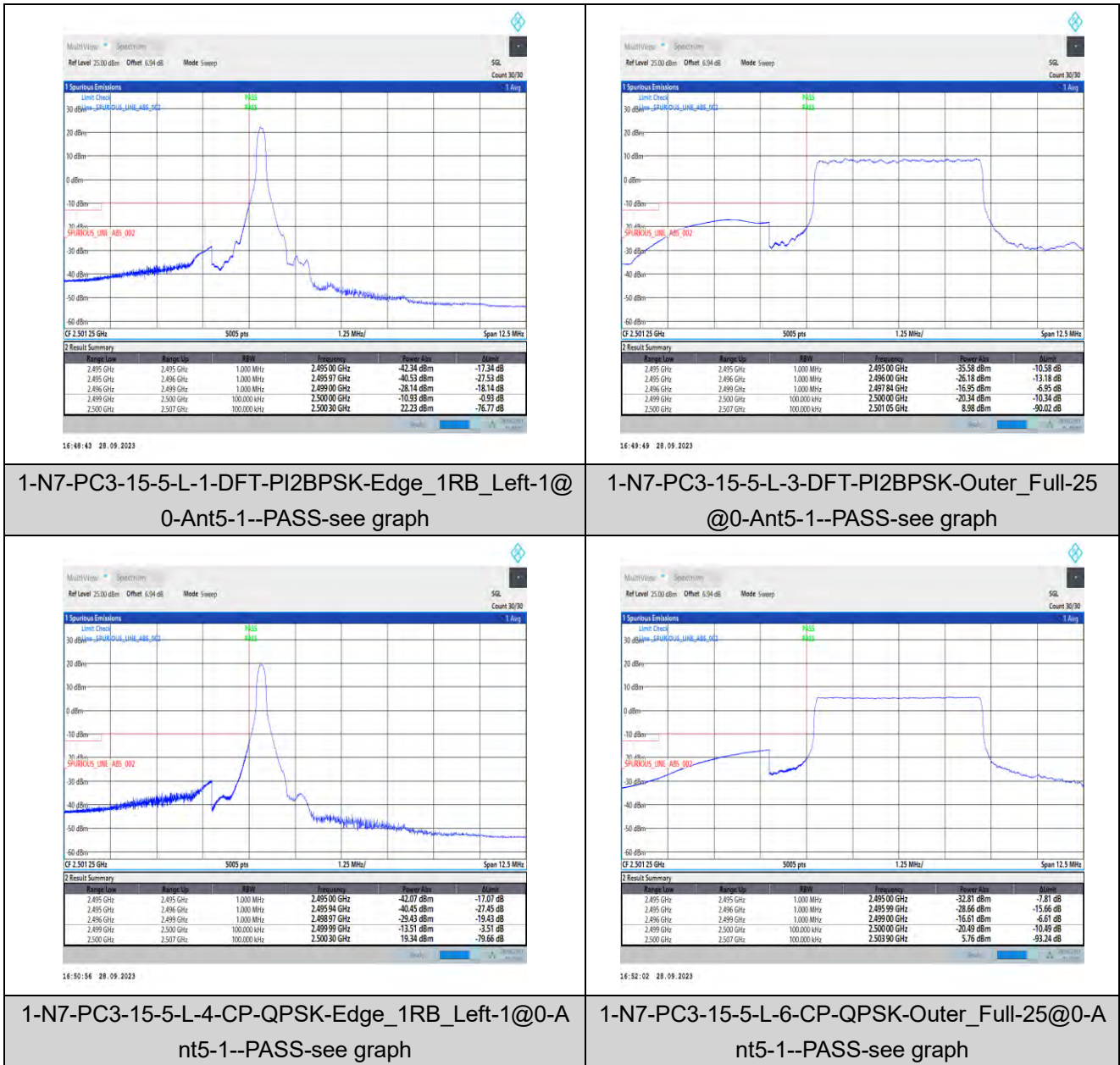


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Band Edge for SA

Test Graphs



1-N7-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-1--PASS-see graph

1-N7-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant5-1--PASS-see graph

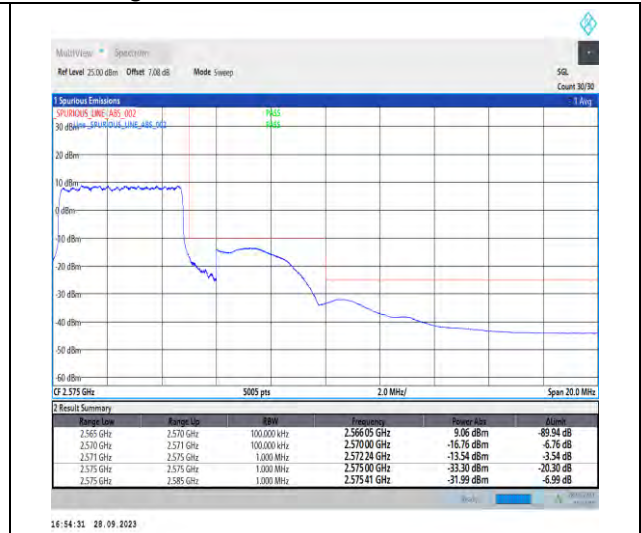
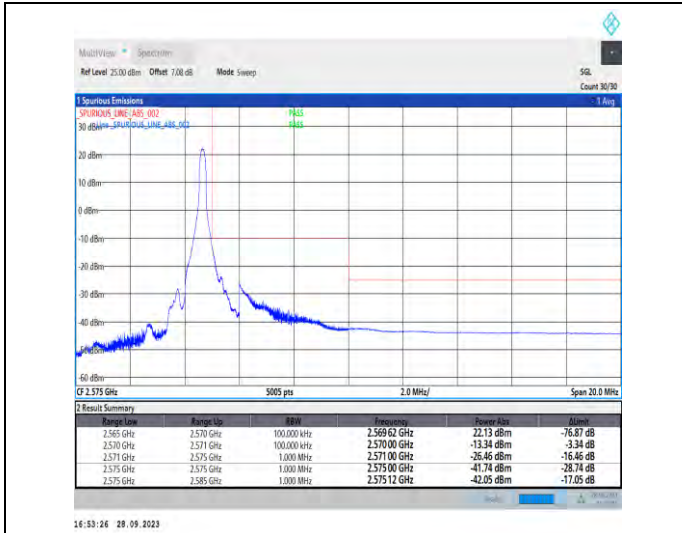
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1-N7-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant5-1--PASS-see graph



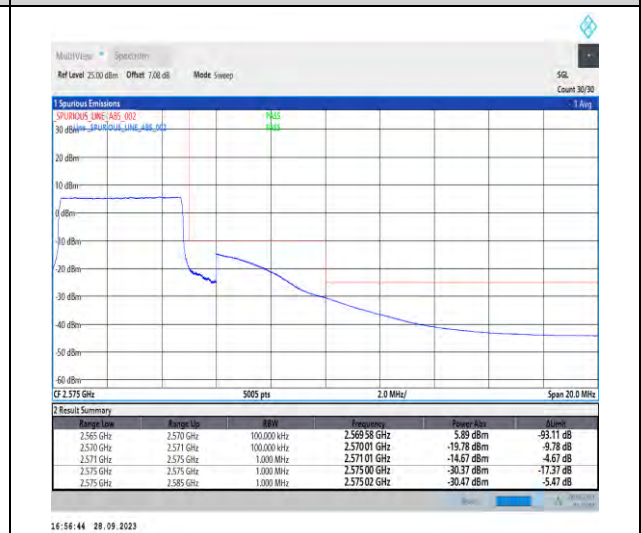
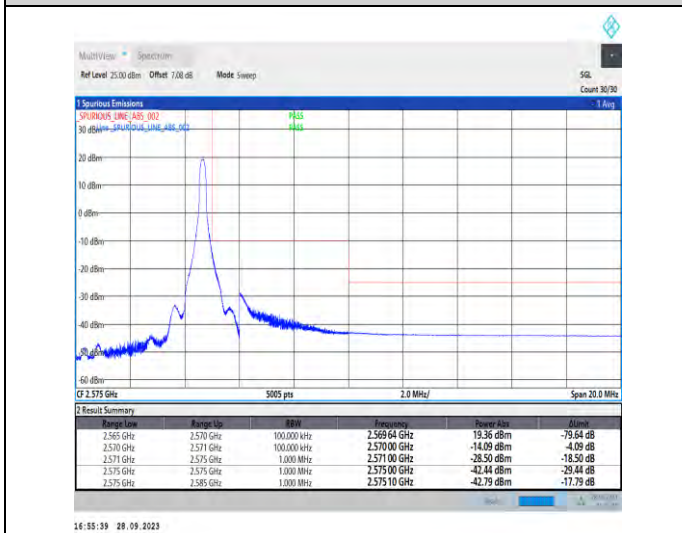
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1-N7-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @24-Ant5-1--PASS-see graph

1-N7-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant5-1--PASS-see graph



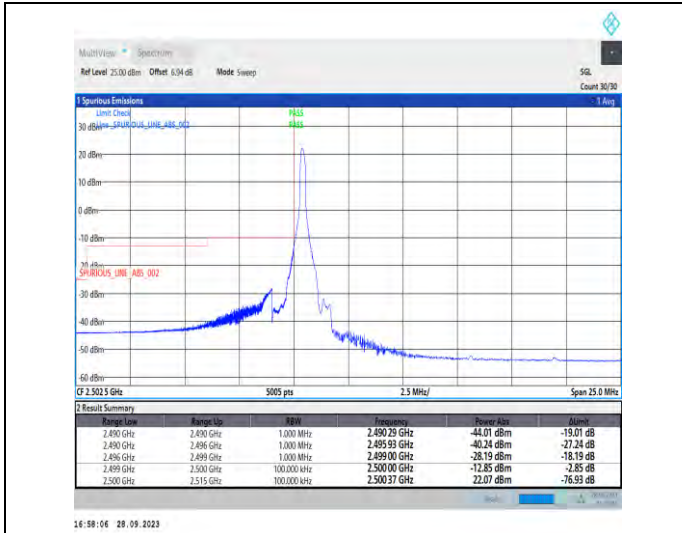
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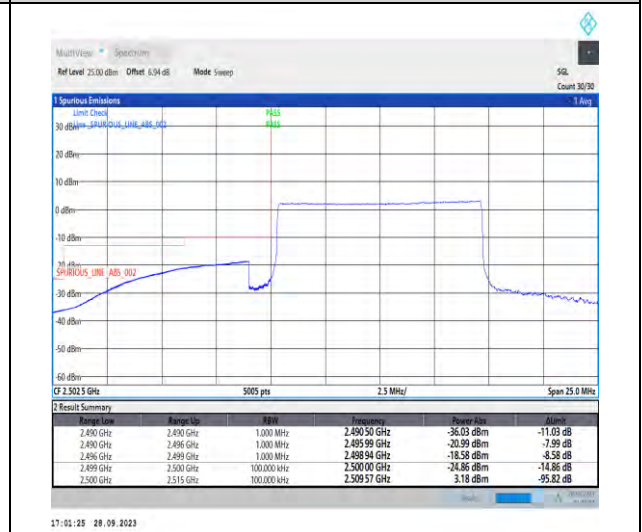
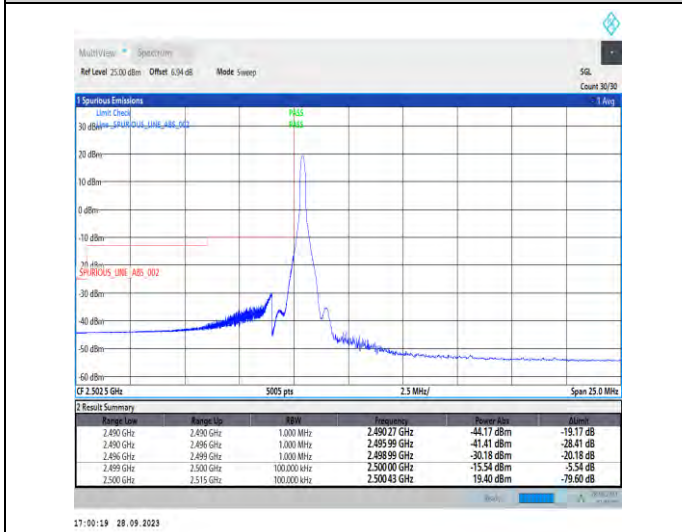
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1-N7-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant5-1--PASS-see graph

1-N7-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-Ant5-1--PASS-see graph



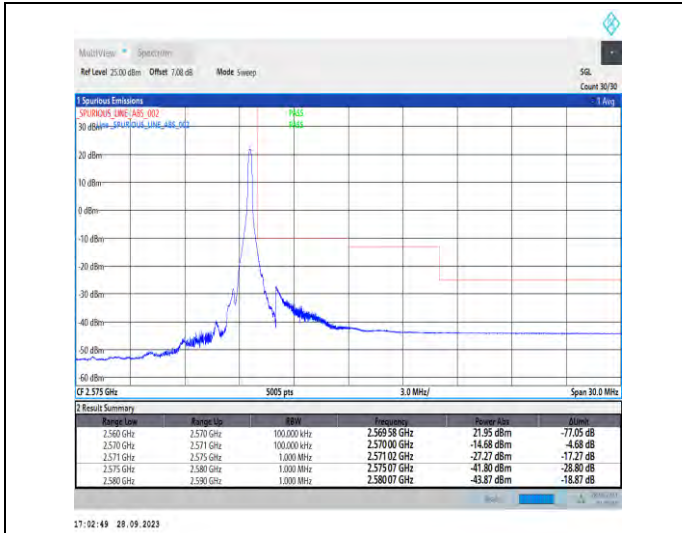
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1-N7-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant5-1--PASS-see graph

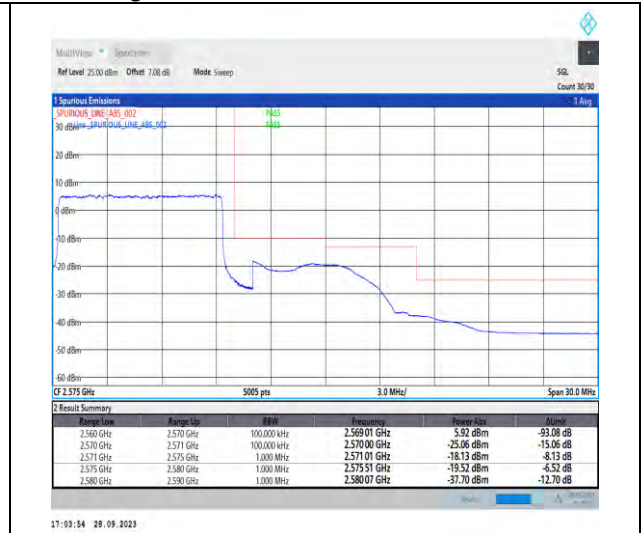


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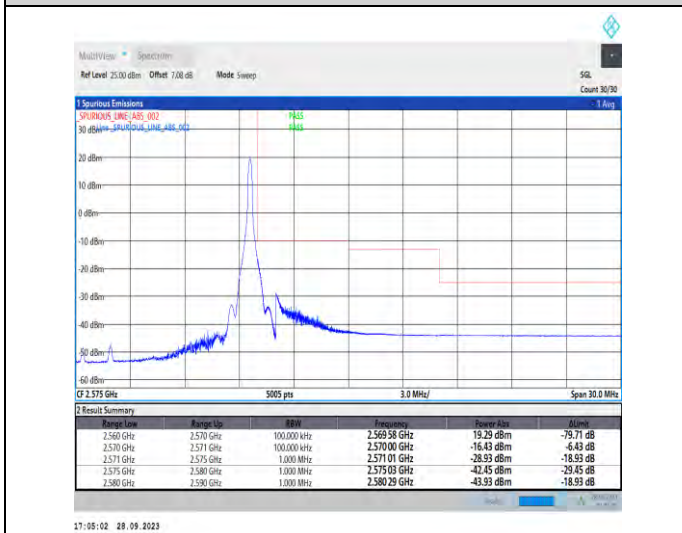
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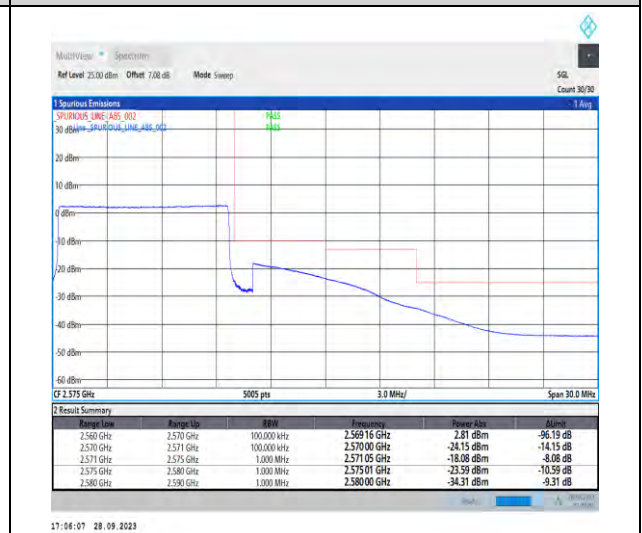
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1-N7-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant5-1--PASS-see graph



1-N7-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant5-1--PASS-see graph

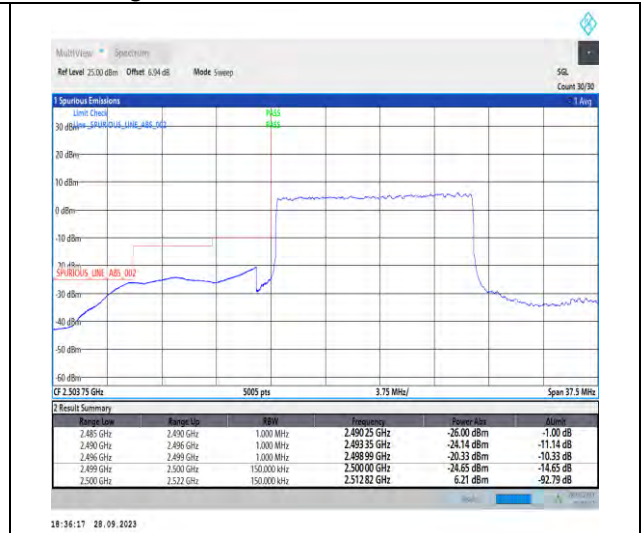
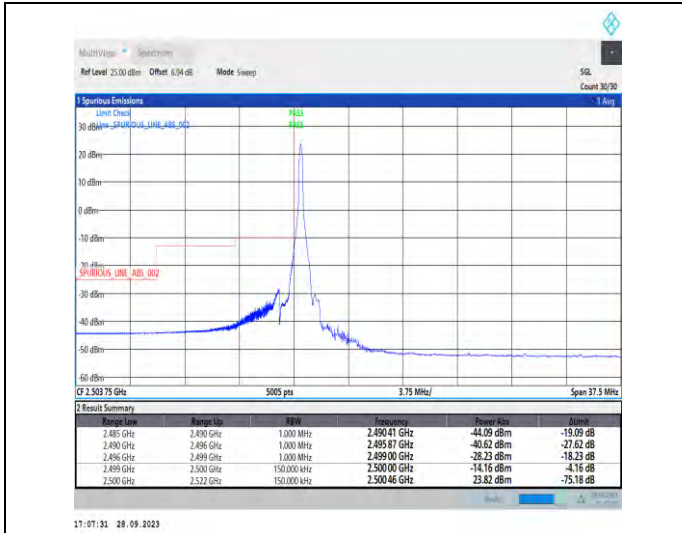


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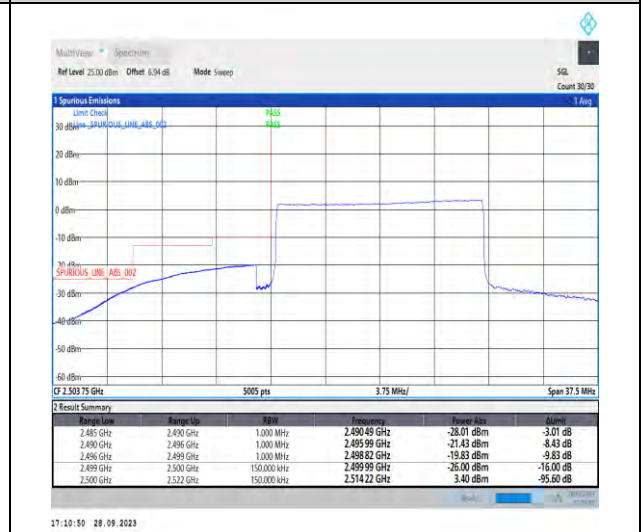
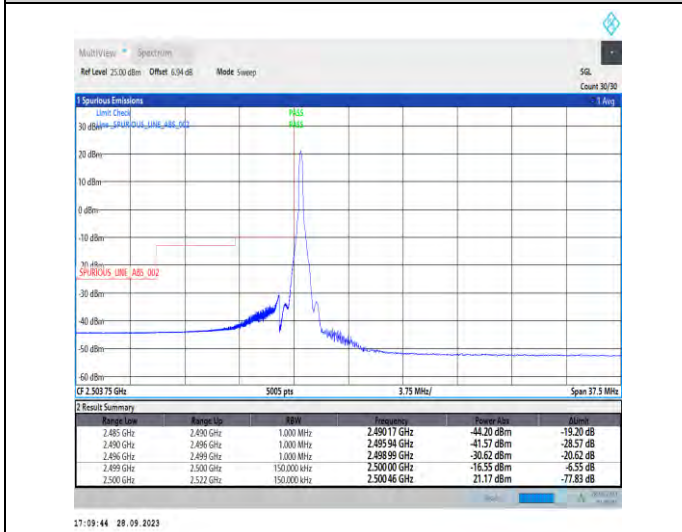
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1-N7-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant5-1--PASS-see graph

1-N7-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75 @0-Ant5-1--PASS-see graph



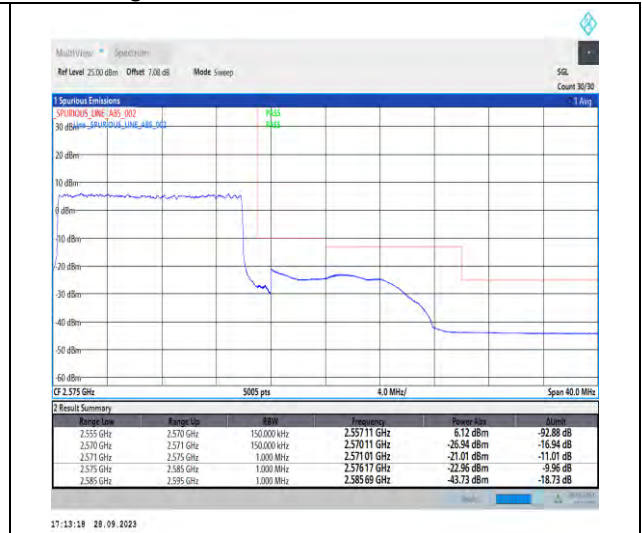
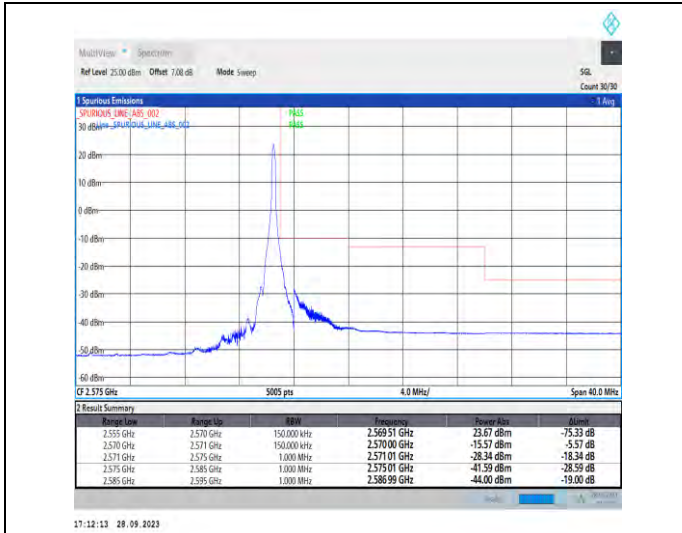
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1-N7-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant5-1--PASS-see graph



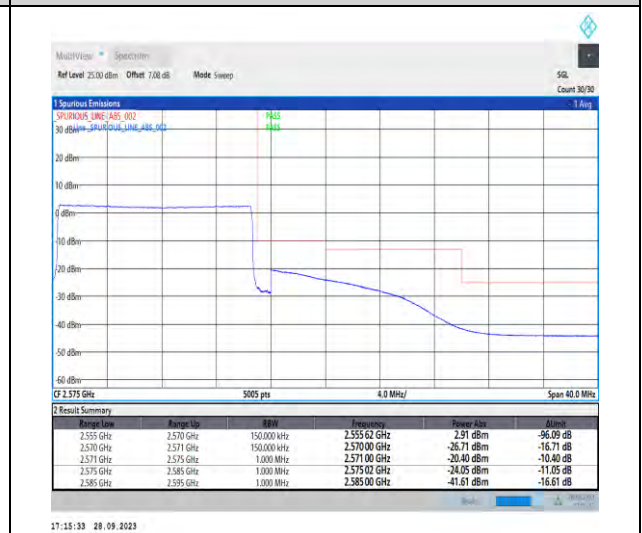
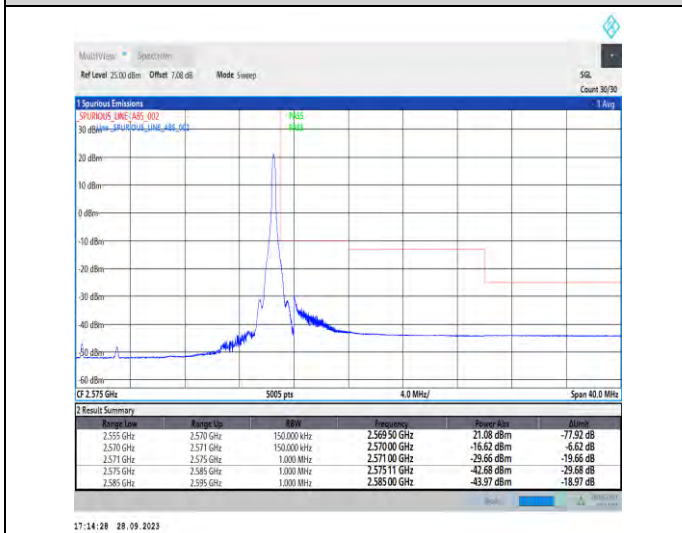
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1-N7-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant5-1--PASS-see graph

1-N7-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant5-1--PASS-see graph



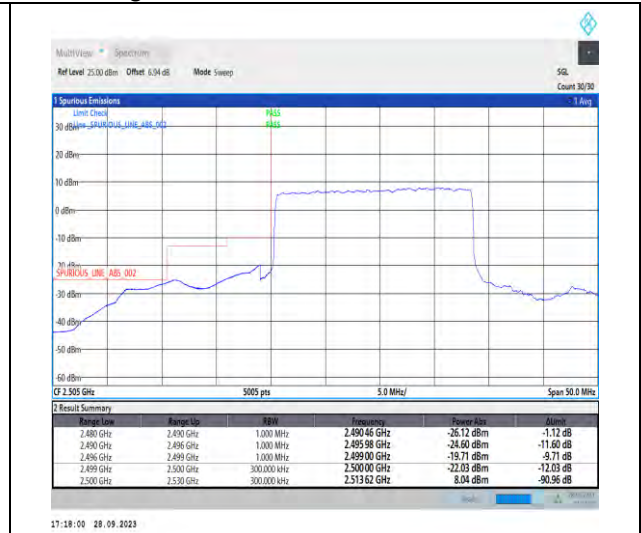
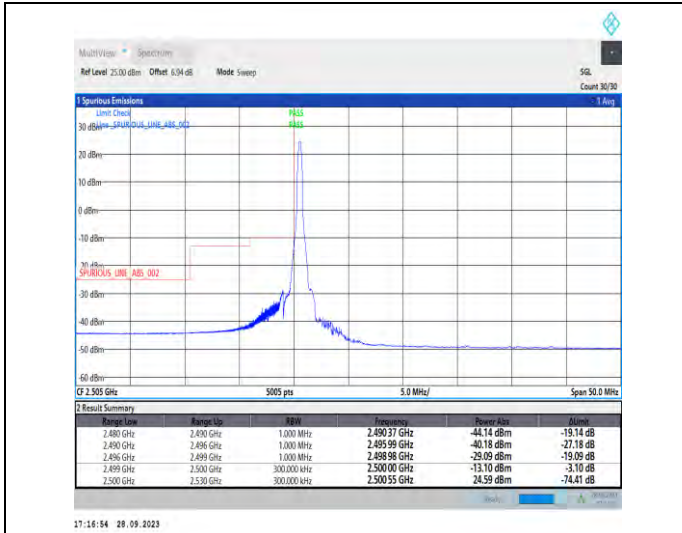
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1-N7-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant5-1--PASS-see graph



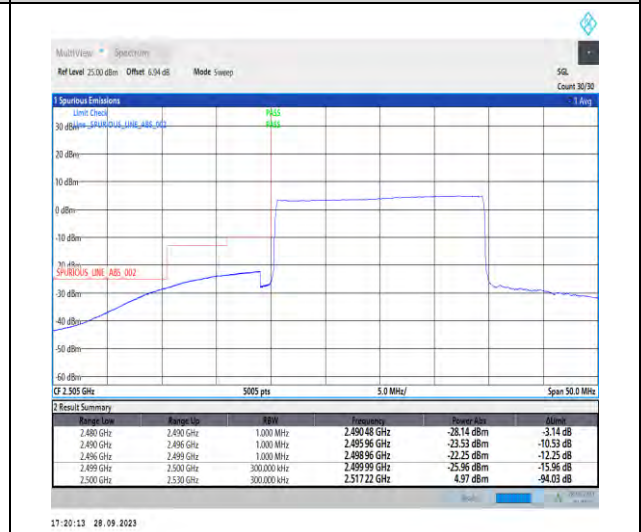
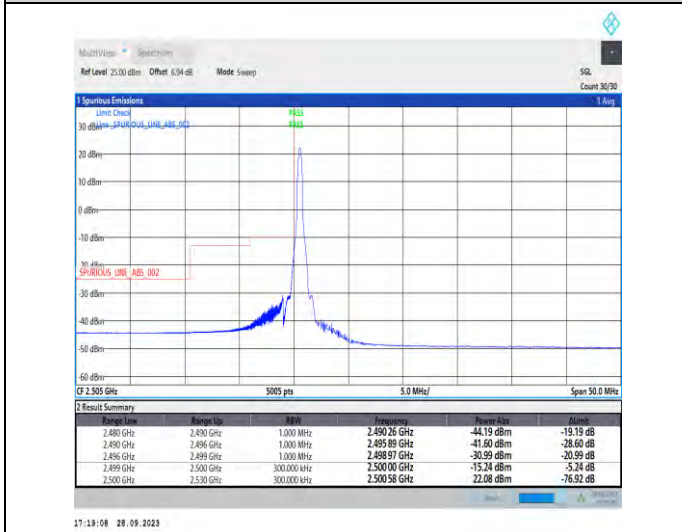
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1-N7-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-1--PASS-see graph

1-N7-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-10@0-Ant5-1--PASS-see graph



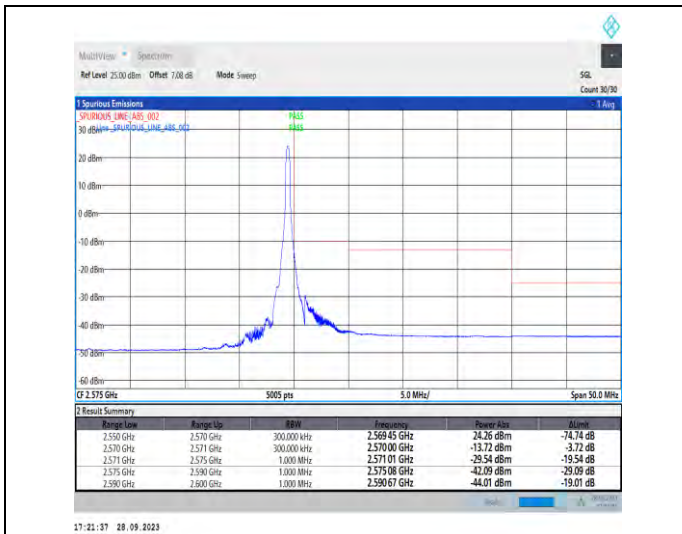
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1-N7-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant5-1--PASS-see graph

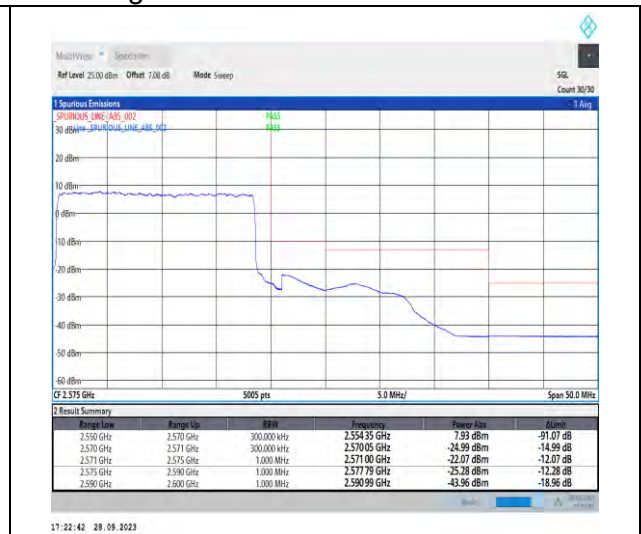


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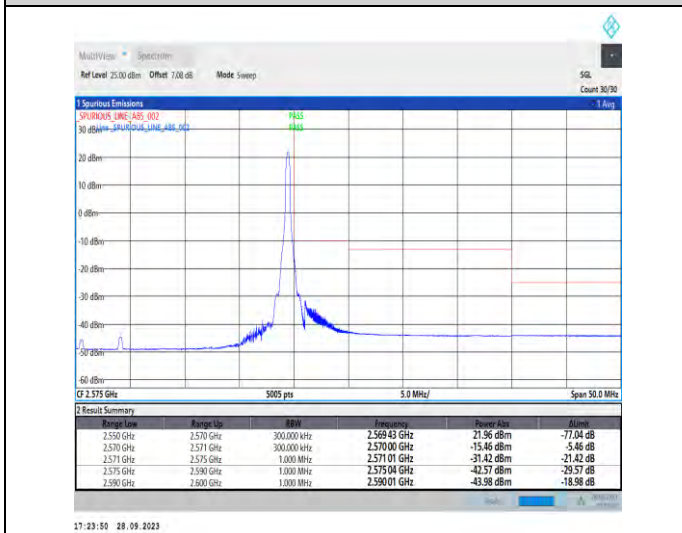
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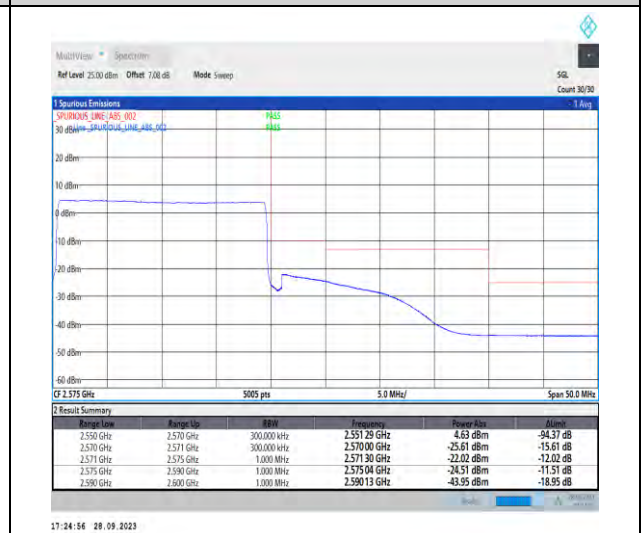
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1-N7-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant5-1--PASS-see graph

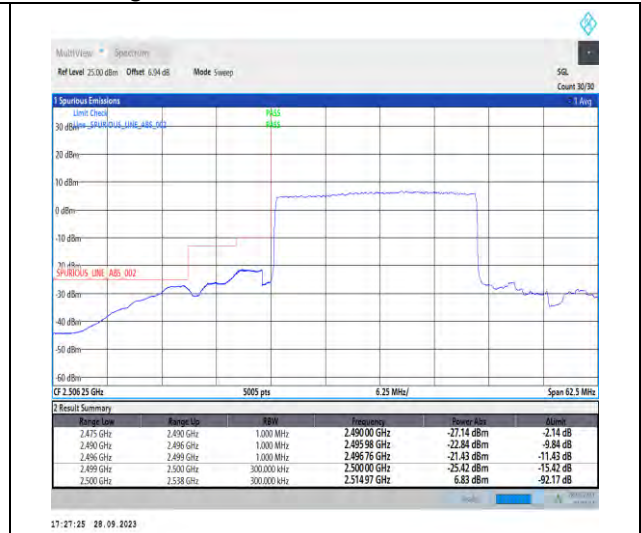
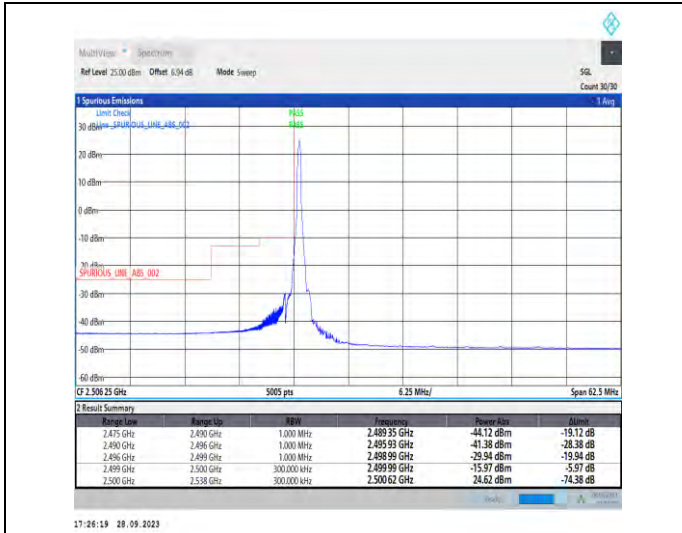


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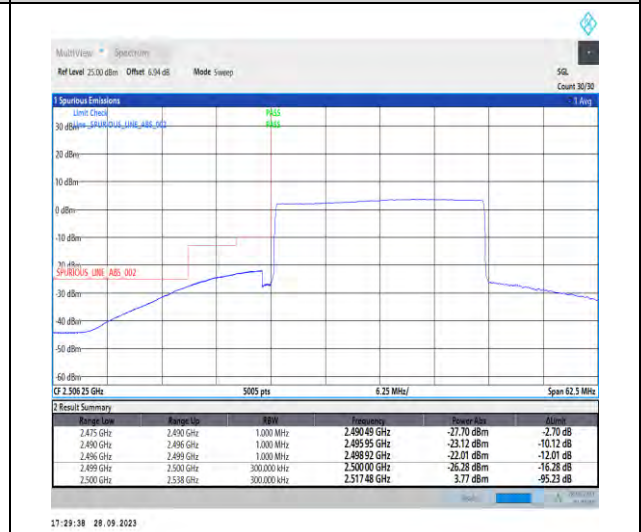
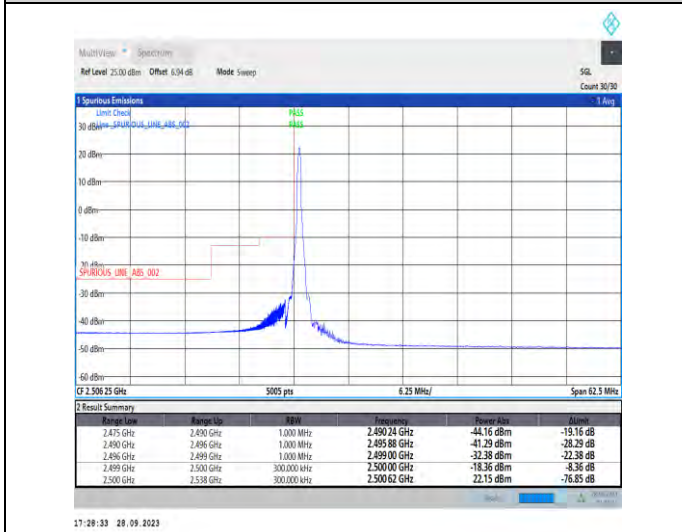
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1-N7-PC3-15-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant5-1--PASS-see graph

1-N7-PC3-15-25-L-3-DFT-PI2BPSK-Outer_Full-12 8@0-Ant5-1--PASS-see graph



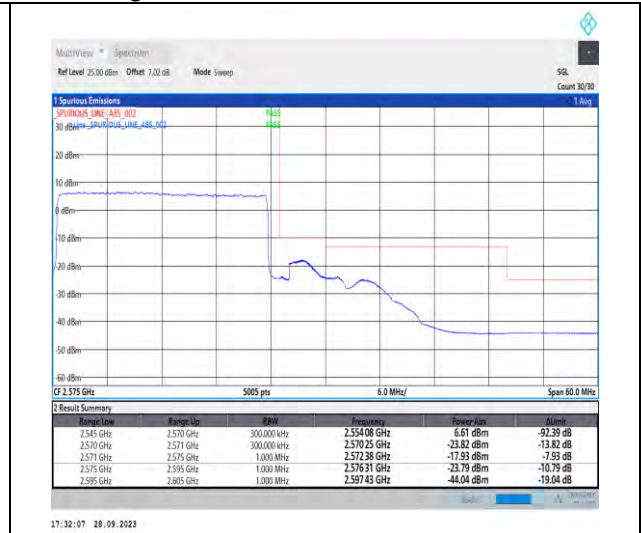
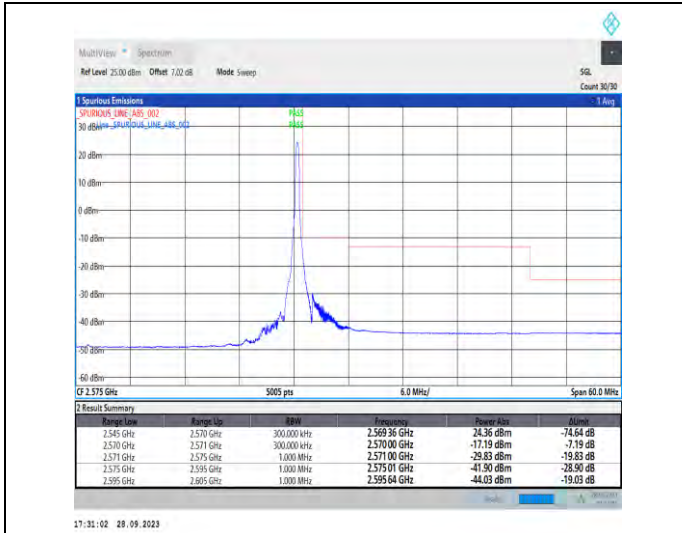
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1-N7-PC3-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant5-1--PASS-see graph



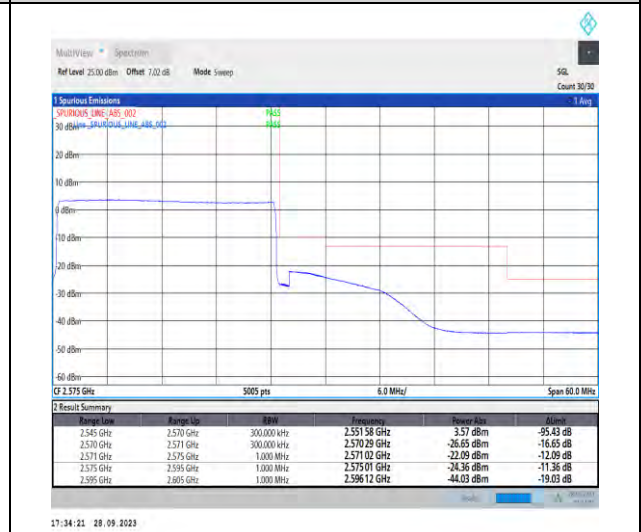
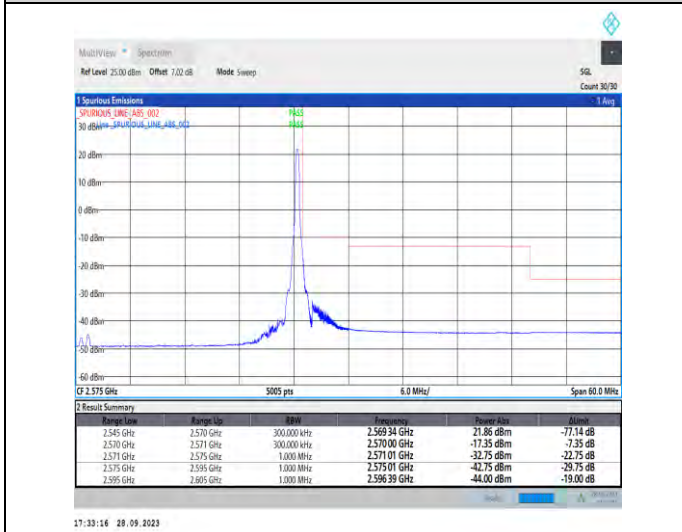
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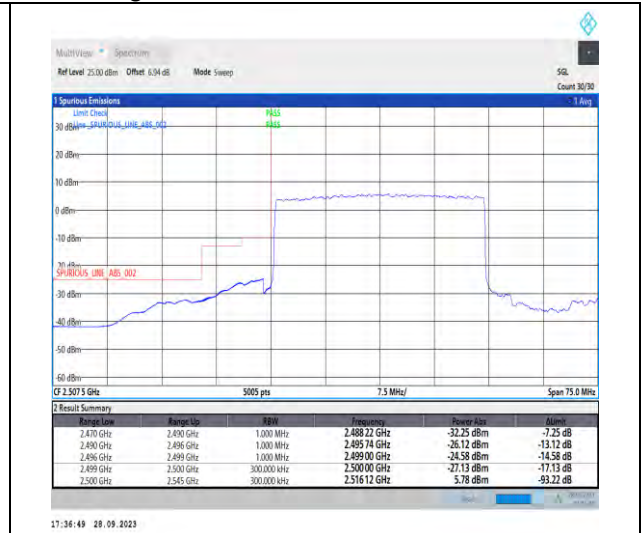
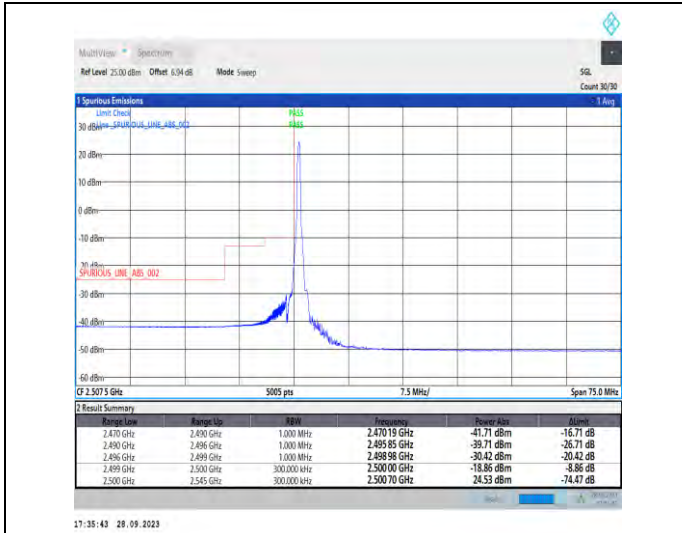
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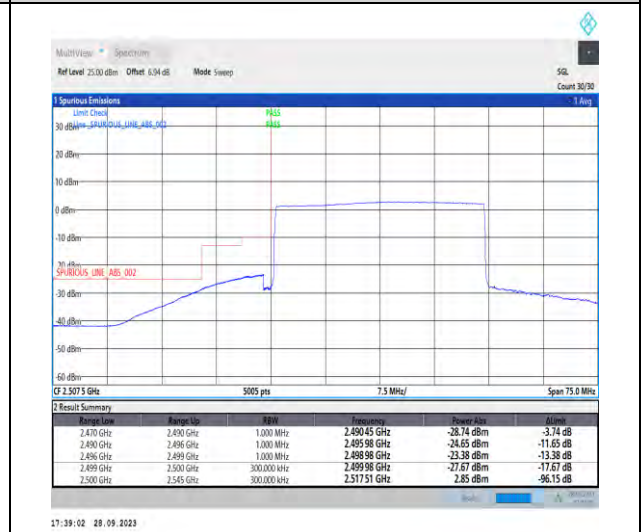
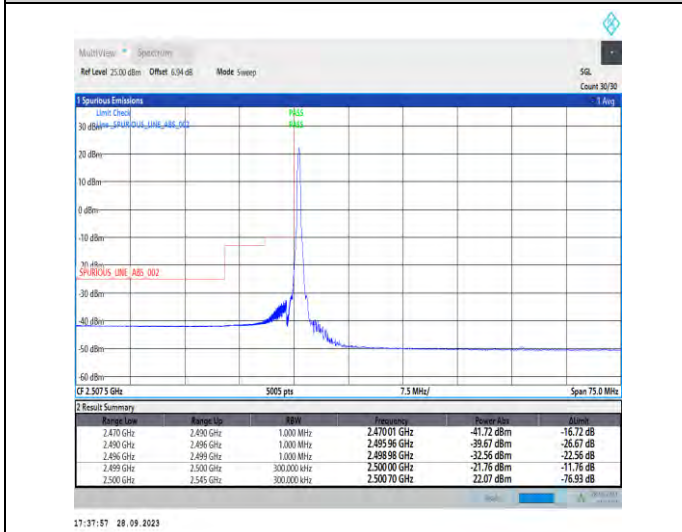
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1-N7-PC3-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant5-1--PASS-see graph

1-N7-PC3-15-30-L-3-DFT-PI2BPSK-Outer_Full-16 0@0-Ant5-1--PASS-see graph



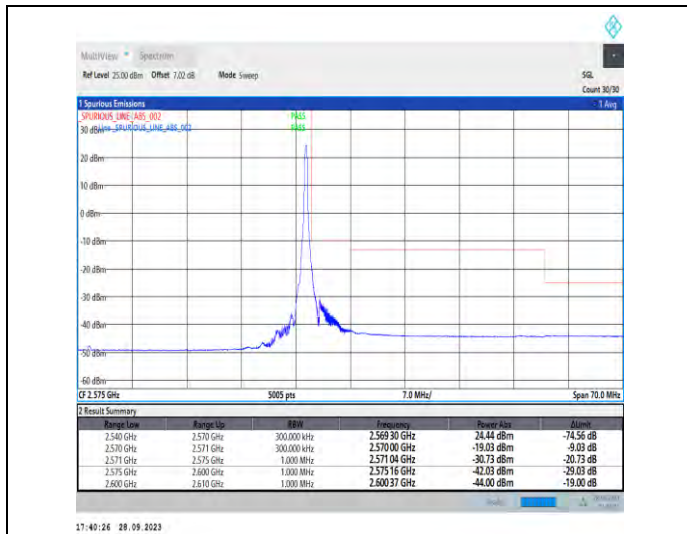
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1-N7-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant5-1--PASS-see graph

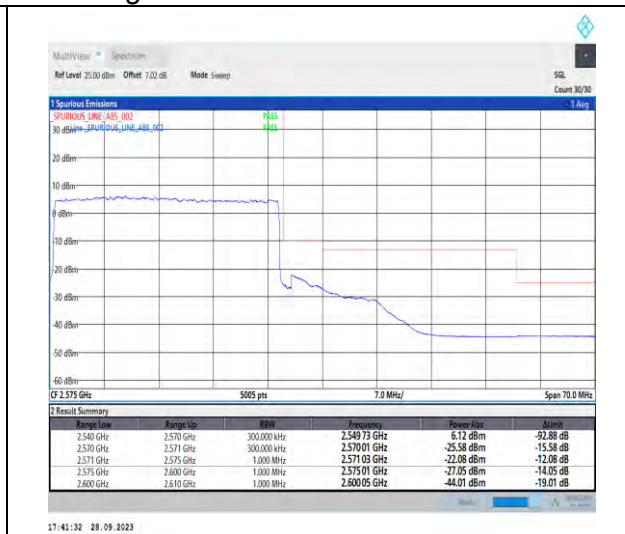


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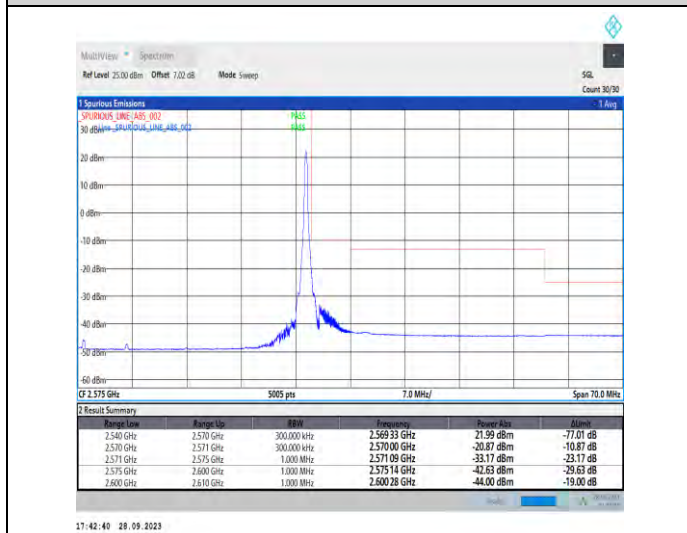
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1-N7-PC3-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@159-Ant5-1--PASS-see graph



1-N7-PC3-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant5-1--PASS-see graph



1-N7-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant5-1--PASS-see graph

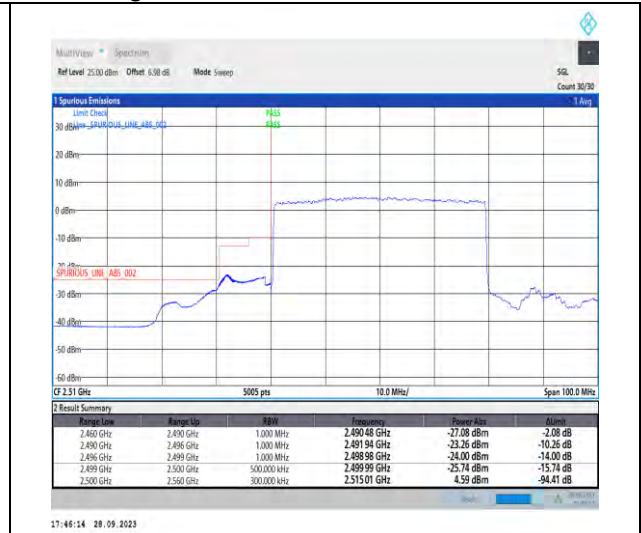
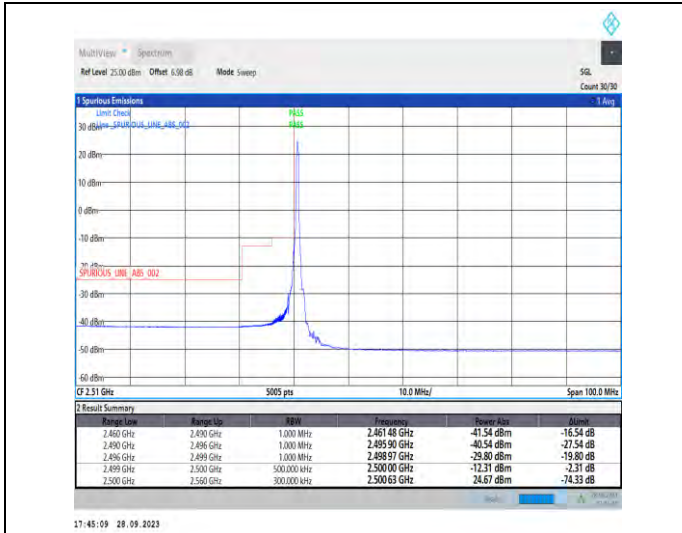


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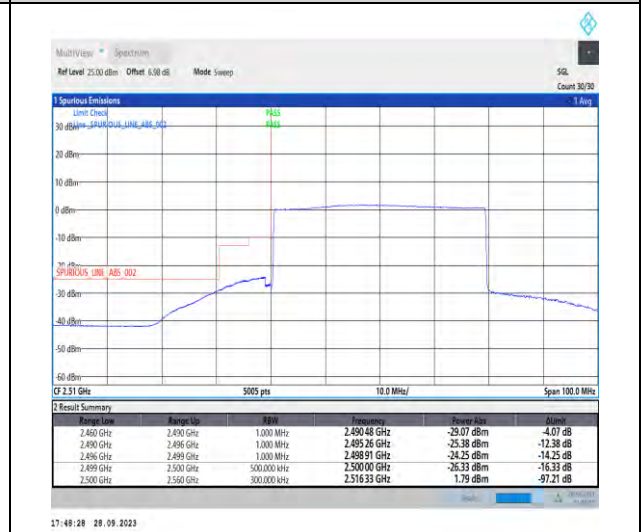
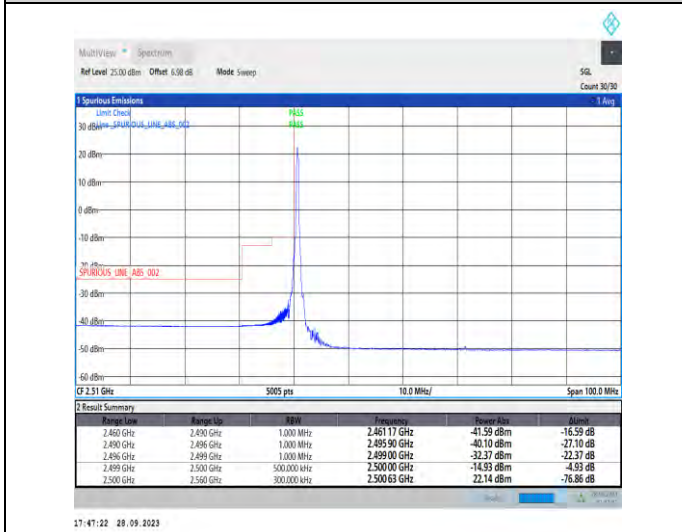
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1-N7-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant5-1--PASS-see graph

1-N7-PC3-15-40-L-3-DFT-PI2BPSK-Outer_Full-21 6@0-Ant5-1--PASS-see graph



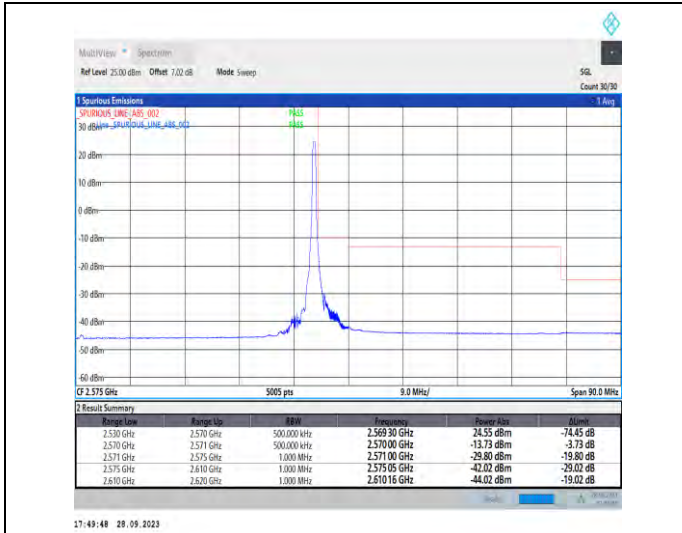
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1-N7-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant5-1--PASS-see graph

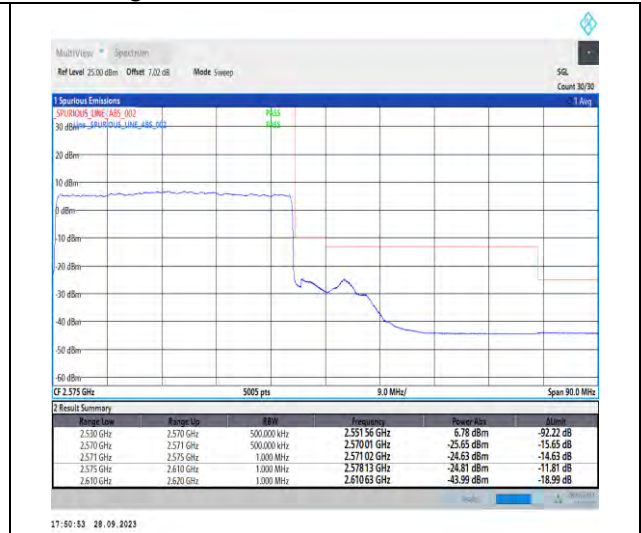


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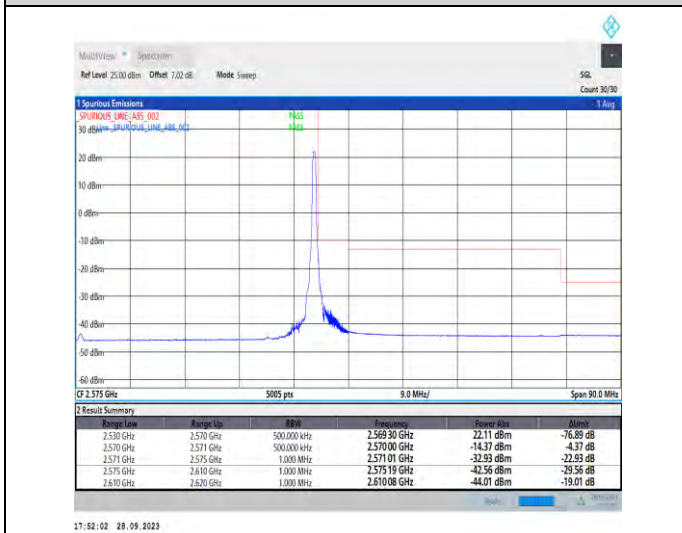
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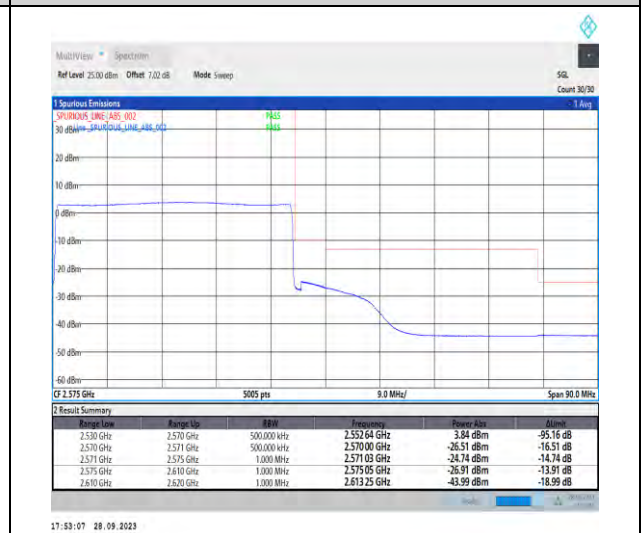
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1-N7-PC3-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant5-1--PASS-see graph



1-N7-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant5-1--PASS-see graph



1-N7-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant5-1--PASS-see graph

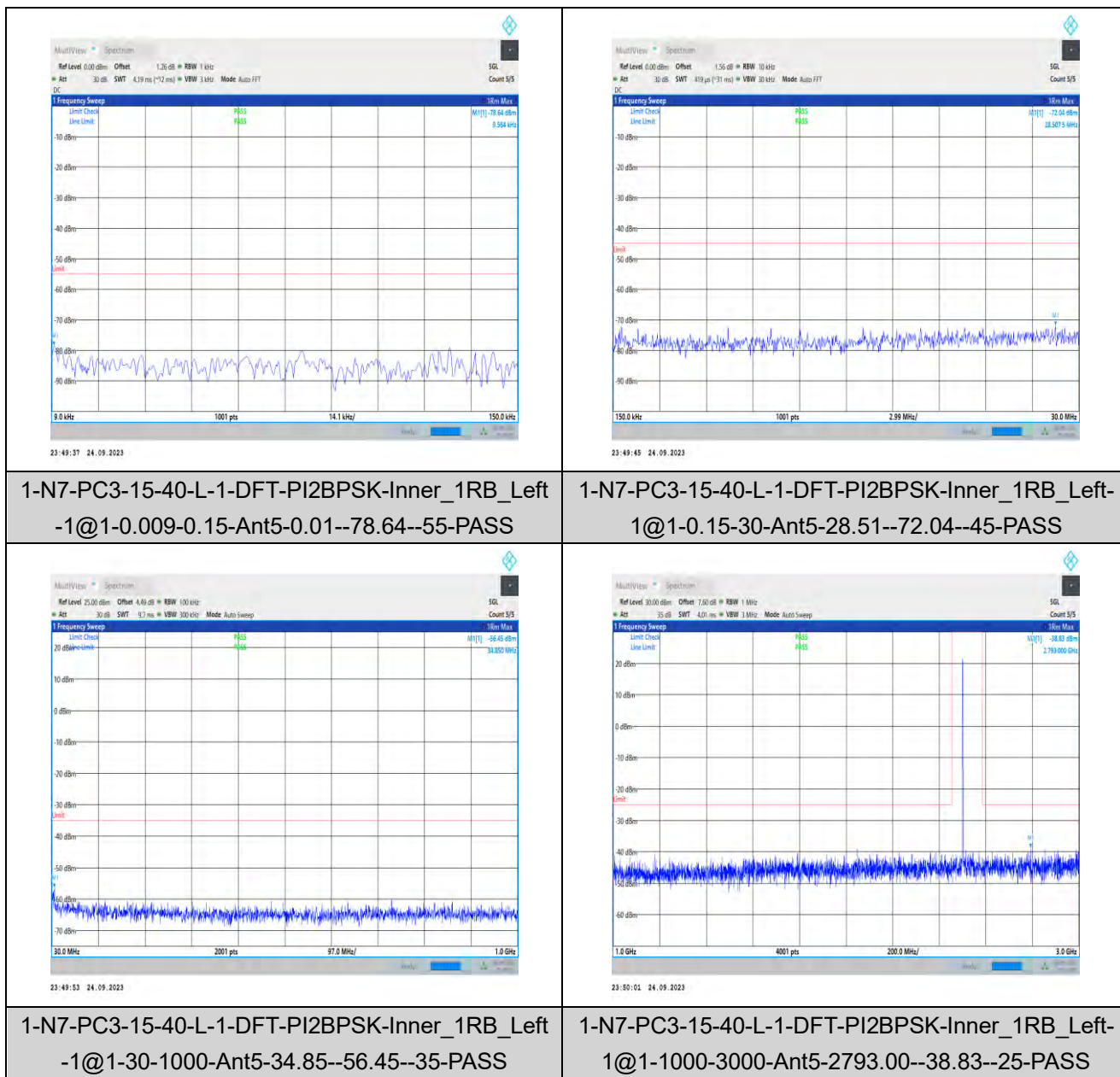


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Conducted Spurious Emission for SA

Test Graphs

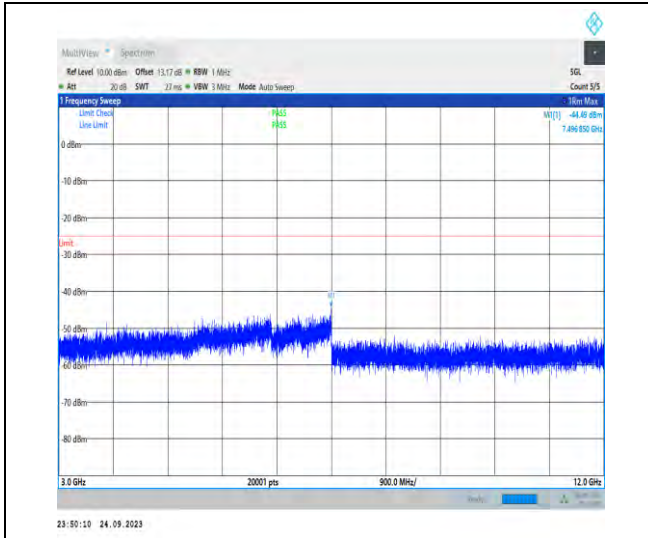


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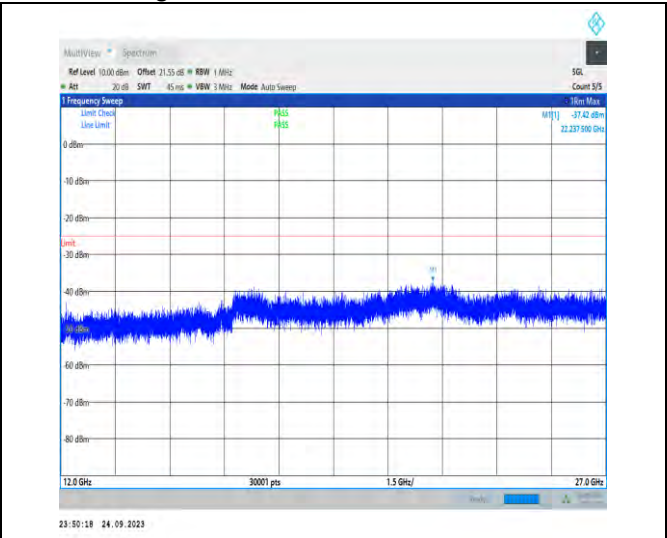
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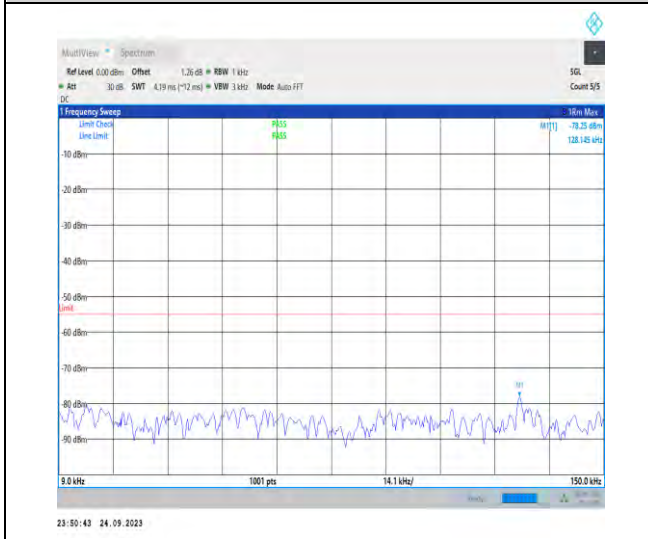
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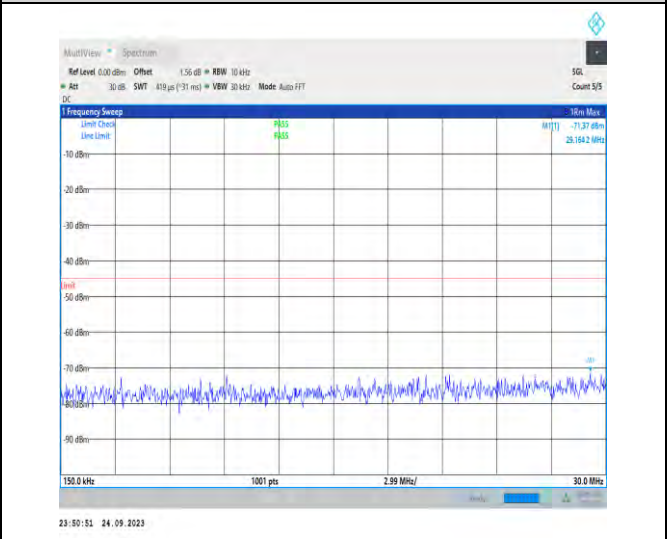
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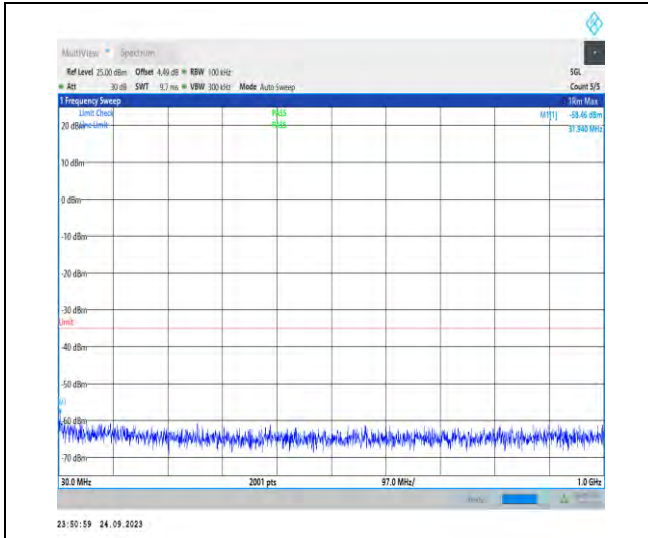
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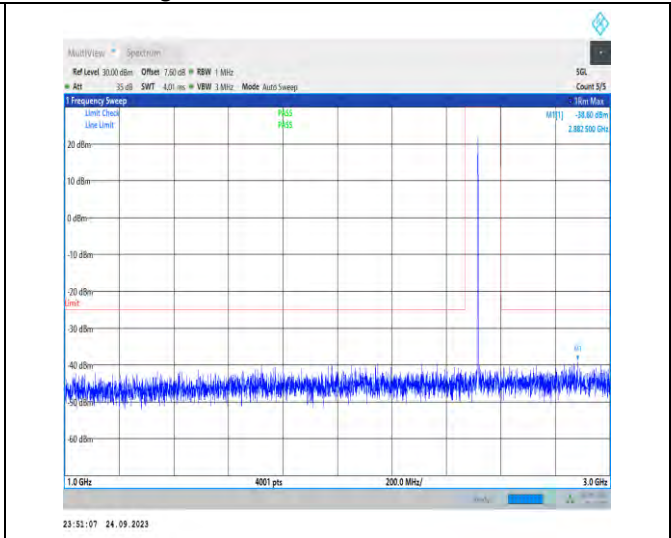
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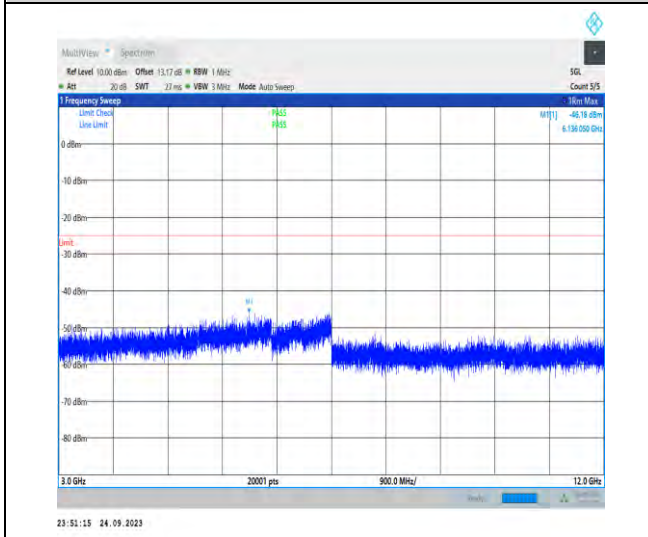
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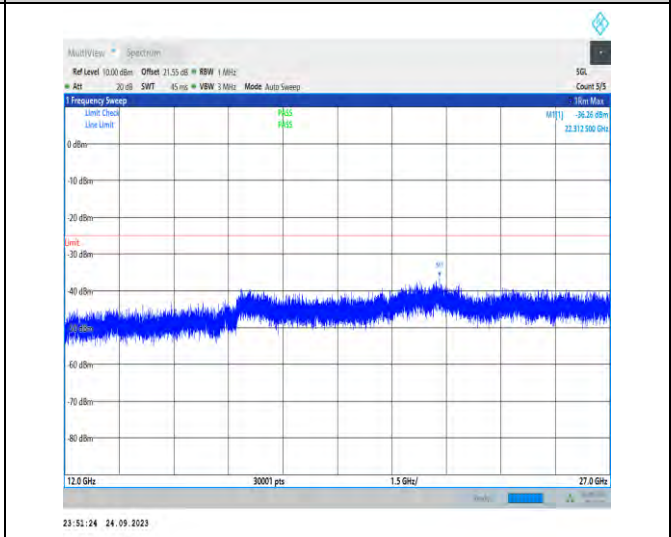
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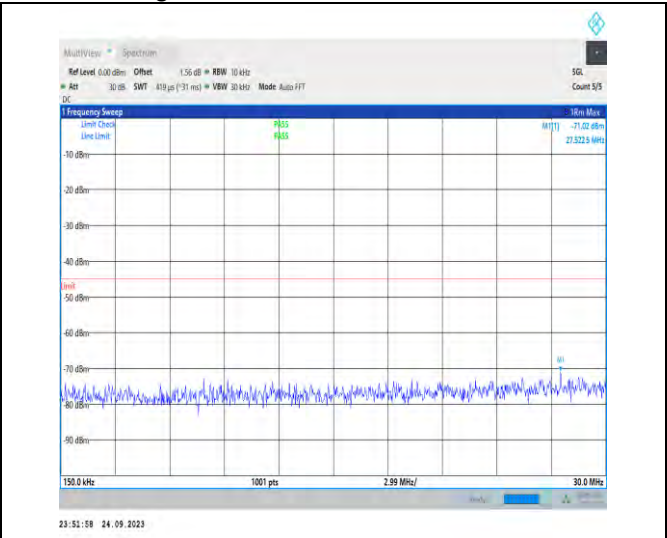


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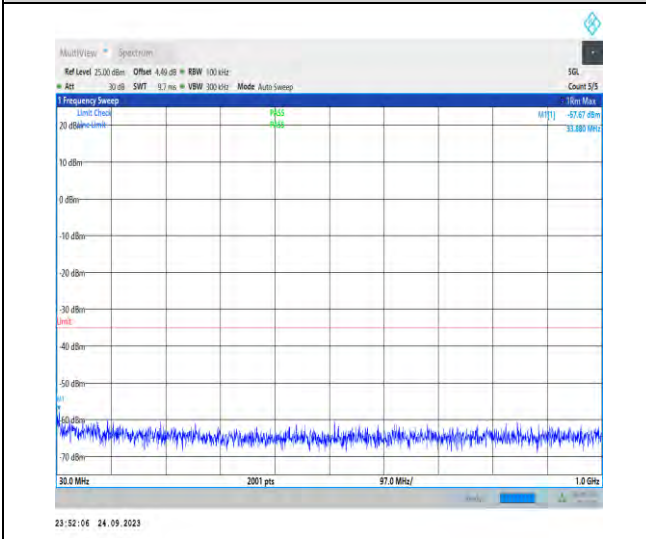
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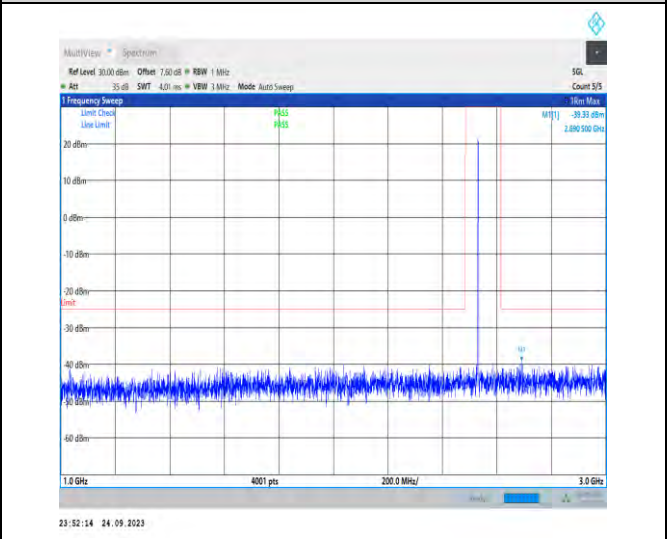
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1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant5-27.52--71.02--45-PASS



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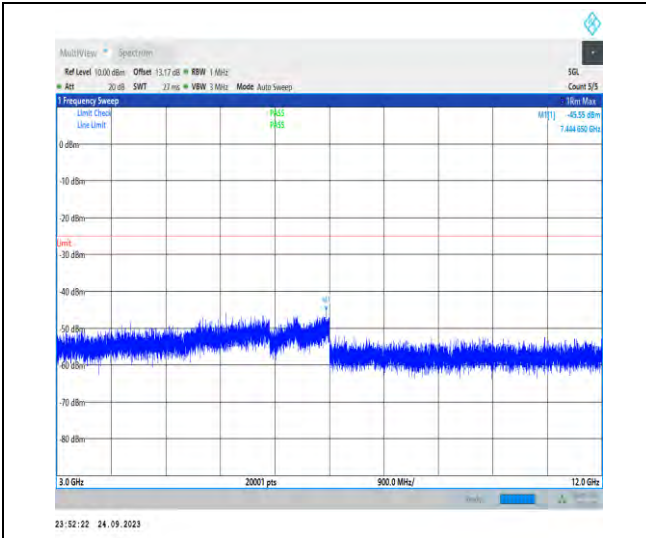


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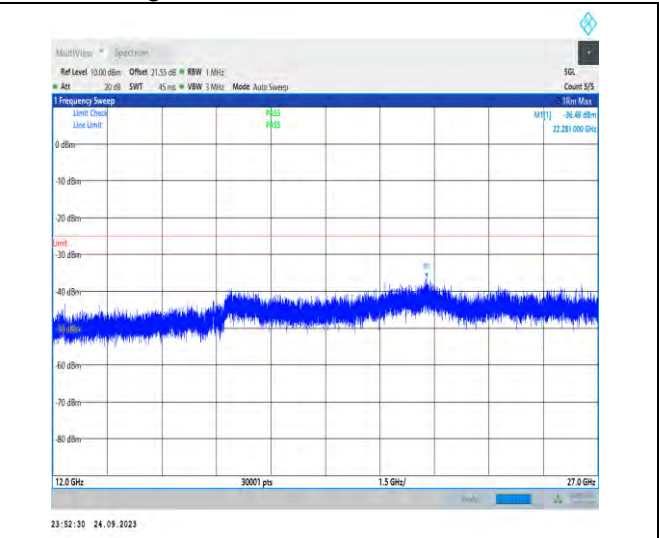


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1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef-t-1@1-3000-12000-Ant5-7444.65--45.55--25-PASS



1-N7-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant5-22281.00--36.49--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 7_ 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	5004.18	43.81	-48.00	31.51	-67.94	-25.00	42.94	Horizontal
2	7506.27	40.88	-46.07	36.79	-63.65	-25.00	38.65	Horizontal
3	10008.36	38.69	-41.71	38.51	-59.78	-25.00	34.78	Horizontal
4	12510.45	36.49	-39.80	38.89	-59.67	-25.00	34.67	Horizontal
5	15012.54	35.29	-38.06	40.08	-57.95	-25.00	32.95	Horizontal
6	17514.63	35.61	-36.82	42.20	-54.28	-25.00	29.28	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5004.18	43.37	-48.00	31.51	-68.38	-25.00	43.38	Vertical
2	7506.27	41.17	-46.07	36.79	-63.36	-25.00	38.36	Vertical
3	10008.36	38.70	-41.71	38.51	-59.77	-25.00	34.77	Vertical
4	12510.45	36.77	-39.80	38.89	-59.39	-25.00	34.39	Vertical
5	15012.54	35.55	-38.06	40.08	-57.69	-25.00	32.69	Vertical
6	17514.63	35.38	-36.82	42.20	-54.51	-25.00	29.51	Vertical



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Test Band = SA Band 7_ 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	5034.18	44.55	-47.94	31.58	-67.07	-25.00	42.07	Horizontal
2	7551.27	40.89	-45.35	36.74	-62.98	-25.00	37.98	Horizontal
3	10068.36	38.05	-41.82	38.56	-60.46	-25.00	35.46	Horizontal
4	12585.45	35.96	-39.12	38.85	-59.57	-25.00	34.57	Horizontal
5	15102.54	35.28	-38.41	39.90	-58.48	-25.00	33.48	Horizontal
6	17619.63	34.64	-37.03	42.87	-54.78	-25.00	29.78	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5034.18	43.35	-47.94	31.58	-68.27	-25.00	43.27	Vertical
2	7551.27	41.87	-45.35	36.74	-62.00	-25.00	37.00	Vertical
3	10068.36	38.94	-41.82	38.56	-59.57	-25.00	34.57	Vertical
4	12585.45	35.90	-39.12	38.85	-59.63	-25.00	34.63	Vertical
5	15102.54	36.19	-38.41	39.90	-57.57	-25.00	32.57	Vertical
6	17619.63	35.36	-37.03	42.87	-54.06	-25.00	29.06	Vertical



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Test Band = SA Band 7_ 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	5064.18	43.05	-47.89	31.65	-68.44	-25.00	43.44	Horizontal
2	7596.27	40.93	-44.63	36.68	-62.27	-25.00	37.27	Horizontal
3	10128.36	38.60	-41.95	38.62	-59.99	-25.00	34.99	Horizontal
4	12660.45	36.62	-39.16	38.80	-59.00	-25.00	34.00	Horizontal
5	15192.54	35.66	-36.77	39.73	-56.63	-25.00	31.63	Horizontal
6	17724.63	34.74	-37.71	43.54	-54.69	-25.00	29.69	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5064.18	43.83	-47.89	31.65	-67.66	-25.00	42.66	Vertical
2	7596.27	40.54	-44.63	36.68	-62.66	-25.00	37.66	Vertical
3	10128.36	38.54	-41.95	38.62	-60.05	-25.00	35.05	Vertical
4	12660.45	37.05	-39.16	38.80	-58.57	-25.00	33.57	Vertical
5	15192.54	35.81	-36.77	39.73	-56.48	-25.00	31.48	Vertical
6	17724.63	34.74	-37.71	43.54	-54.69	-25.00	29.69	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

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.600000	-0.000621	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.700000	-0.001478	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	0.000000	-0.000019	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VH	NT	0.100000	-0.000078	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VN	NT	-0.700000	-0.000404	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VL	NT	1.700000	0.000533	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	2.700000	0.001036	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.300000	-0.001459	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.300000	-0.002189	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-5.400000	-0.002267	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.800000	-0.001647	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.000000	-0.002041	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.700000	-0.001173	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.500000	-0.001055	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.400000	-0.001469	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-30	-0.800000	-0.000503	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-20	0.200000	-0.000108	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-10	-0.300000	-0.000306	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	0	0.500000	0.000129	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	10	-1.400000	-0.00072	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	20	1.600000	0.000553	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.100000	-0.000227	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	40	-0.100000	-0.000157	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	50	1.100000	0.000376	PASS

---End of Attachment---



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