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Appendix B.26

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA**Test Result****Ant12:**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.91	18.63	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.1	18.82	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	23.63	18.35	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	23.9	18.62	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	24.09	18.81	33.00	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	23.12	17.84	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	22.96	17.68	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	23.22	17.94	33.00	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	22.12	16.84	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	21.53	16.25	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	21.7	16.42	33.00	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	21.62	16.34	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	19.25	13.97	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	19.5	14.22	33.00	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	19.57	14.29	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.96	18.68	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.99	18.71	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	23.65	18.37	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	24	18.72	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	24	18.72	33.00	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	23.12	17.84	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	23.06	17.78	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	23.08	17.8	33.00	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	22.12	16.84	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	21.59	16.31	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	21.59	16.31	33.00	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	21.61	16.33	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	19.38	14.1	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	19.45	14.17	33.00	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	19.61	14.33	33.00	PASS



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N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.01	18.73	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.06	18.78	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	23.55	18.27	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	24.01	18.73	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Right	24.1	18.82	33.00	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	23.09	17.81	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	23.1	17.82	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	23.18	17.9	33.00	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	22.09	16.81	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	21.59	16.31	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	21.68	16.4	33.00	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	21.59	16.31	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	19.44	14.16	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	19.49	14.21	33.00	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	19.51	14.23	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	22.82	17.54	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	23.04	17.76	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	23	17.72	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	22.64	17.36	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Right	22.83	17.55	33.00	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	22.77	17.49	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	22.63	17.35	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Right	22.87	17.59	33.00	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	21.79	16.51	33.00	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Left	21.11	15.83	33.00	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Right	21.4	16.12	33.00	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	21.09	15.81	33.00	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Left	19.07	13.79	33.00	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Right	19.34	14.06	33.00	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	19.18	13.9	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	22.61	17.33	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	23.03	17.75	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	22.98	17.7	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	22.72	17.44	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Right	23.02	17.74	33.00	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	23.06	17.78	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	22.7	17.42	33.00	PASS



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N38	30	30	DFT-16QAM	M	Inner_1RB_Right	23.19	17.91	33.00	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	21.82	16.54	33.00	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Left	20.91	15.63	33.00	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Right	21.47	16.19	33.00	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	21.54	16.26	33.00	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Left	19.09	13.81	33.00	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Right	19.12	13.84	33.00	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	19.07	13.79	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	22.82	17.54	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	22.87	17.59	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	22.94	17.66	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	22.71	17.43	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Right	23	17.72	33.00	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	23.07	17.79	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	22.84	17.56	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Right	22.67	17.39	33.00	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	22.52	17.24	33.00	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Left	21.37	16.09	33.00	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Right	21.05	15.77	33.00	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	21.3	16.02	33.00	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Left	19.11	13.83	33.00	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Right	19.28	14	33.00	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	19.57	14.29	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	22.95	17.67	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	17.97	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	22.64	17.36	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	22.76	17.48	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	23.28	18	33.00	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	22.72	17.44	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	23.09	17.81	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	23.09	17.81	33.00	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	21.94	16.66	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	21.42	16.14	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	21.87	16.59	33.00	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	21.39	16.11	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	19.03	13.75	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	19.2	13.92	33.00	PASS



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N38	30	40	DFT-256QAM	L	Outer_Full	19.37	14.09	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	22.8	17.52	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	22.86	17.58	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	23.03	17.75	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	22.7	17.42	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	23.17	17.89	33.00	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	23.03	17.75	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	22.78	17.5	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	23.02	17.74	33.00	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	22.05	16.77	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	21.19	15.91	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	21.61	16.33	33.00	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	21.57	16.29	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	18.99	13.71	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	19.69	14.41	33.00	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	19.4	14.12	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.06	17.78	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.25	17.97	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	22.95	17.67	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	22.98	17.7	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	23.16	17.88	33.00	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	23.13	17.85	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	22.68	17.4	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	22.45	17.17	33.00	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	22.5	17.22	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	21.34	16.06	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	21.28	16	33.00	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	20.97	15.69	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	19.49	14.21	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	19.26	13.98	33.00	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	19.63	14.35	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N38	30	40	DFT-256QAM	L	Outer_Full	100%	0.00	9.32	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	100%	0.00	9.57	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	100%	0.00	9.55	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	100%	0.00	10.30	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	100%	0.00	8.98	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	100%	0.00	9.97	≤13	PASS



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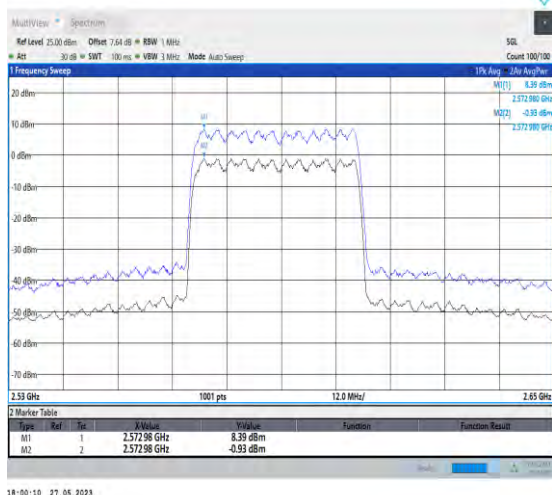
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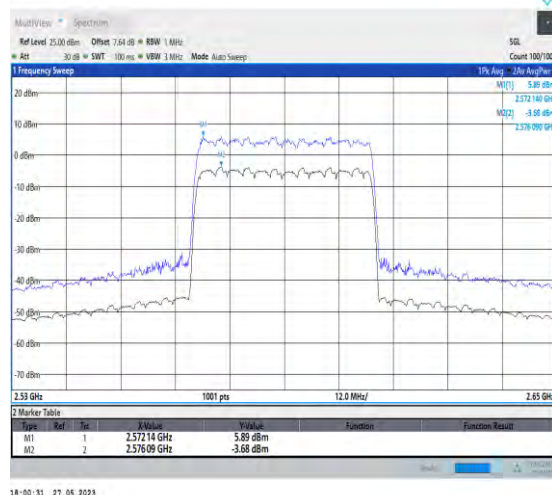
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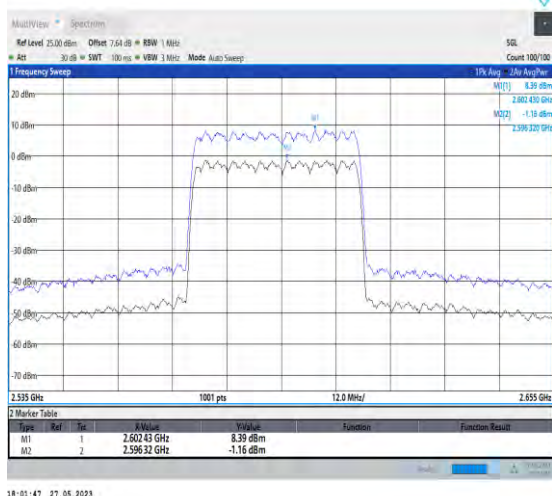
Test Graphs



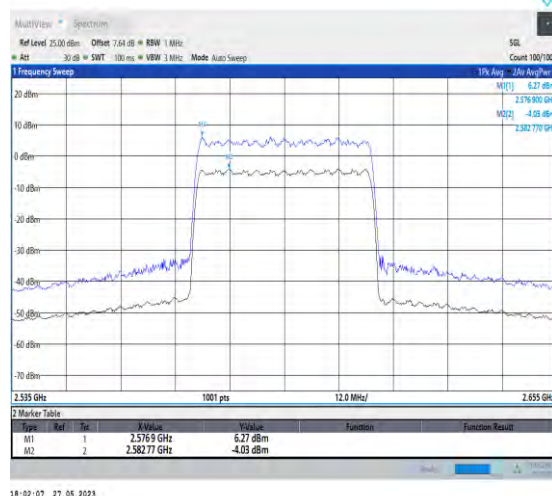
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@0-9.32-100%-0.00-9.32-PASS≤13



1-N38-PC3-30-40-L-2-CP-256QAM-Outer_Full-106@
0-9.57-100%-0.00-9.57-PASS≤13



1-N38-PC3-30-40-M-1-DFT-256QAM-Outer_Full-10
0@0-9.55-100%-0.00-9.55-PASS≤13



1-N38-PC3-30-40-M-2-CP-256QAM-Outer_Full-106
@0-10.30-100%-0.00-10.30-PASS≤13



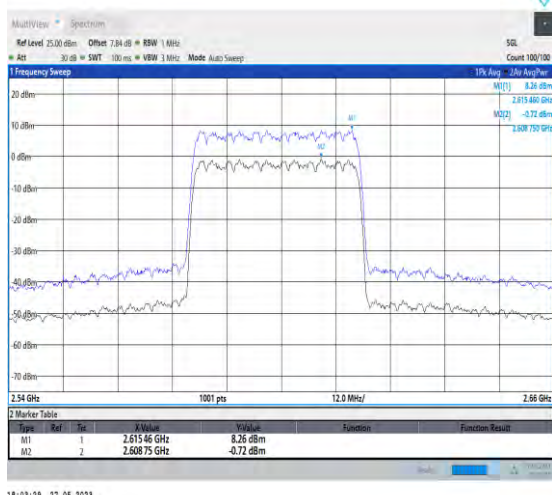
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1-N38-PC3-30-40-H-1-DFT-256QAM-Outer_Full-100
@0-8.98-100%-0.00-8.98-PASS≤13



1-N38-PC3-30-40-H-2-CP-256QAM-Outer_Full-106
@0-9.97-100%-0.00-9.97-PASS≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-256QAM	M	Outer_Full	see graph	PASS



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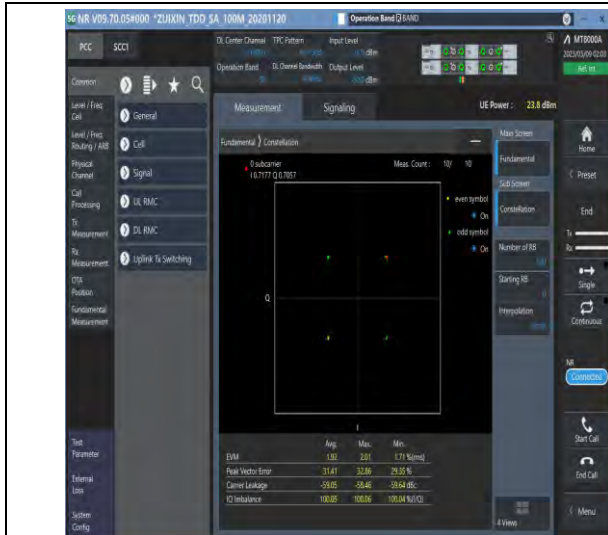
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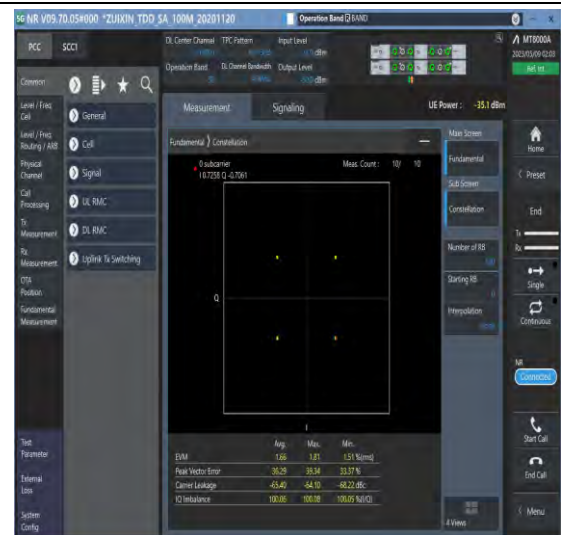
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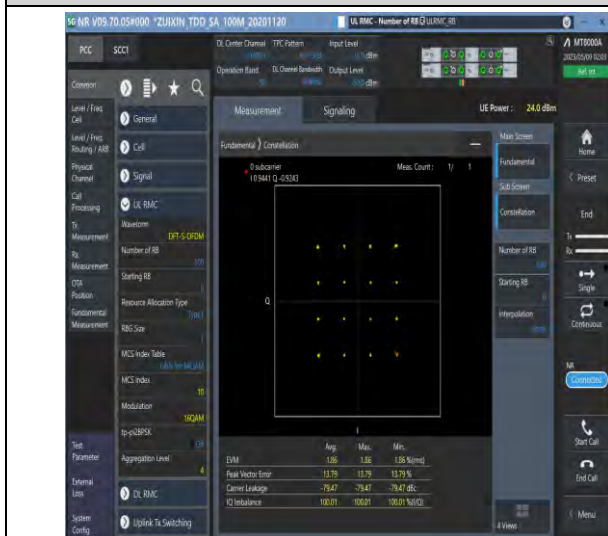
Test Graphs



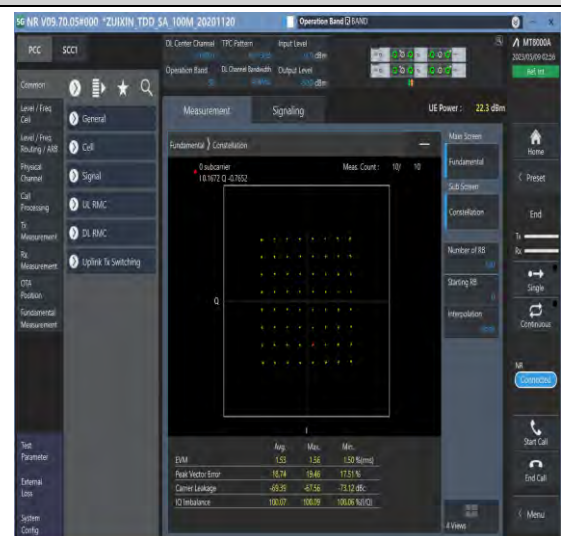
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@0-see graph-PASS



1-N38-PC3-30-40-M-2-DFT-QPSK-Outter_Full-100
@0-see graph-PASS



1-N38-PC3-30-40-M-3-DFT-16QAM-Outter_Full-100
@0-see graph-PASS



1-N38-PC3-30-40-M-4-DFT-64QAM-Outter_Full-100
@0-see graph-PASS



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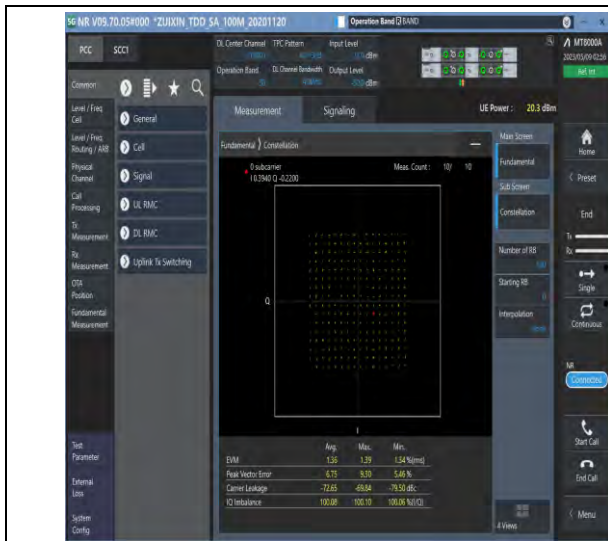
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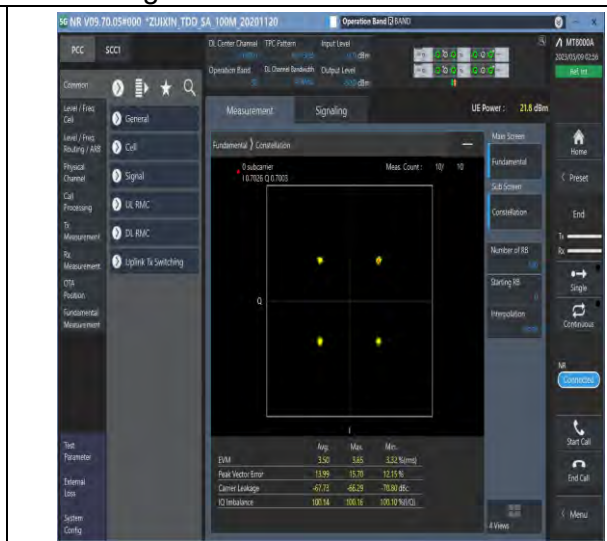
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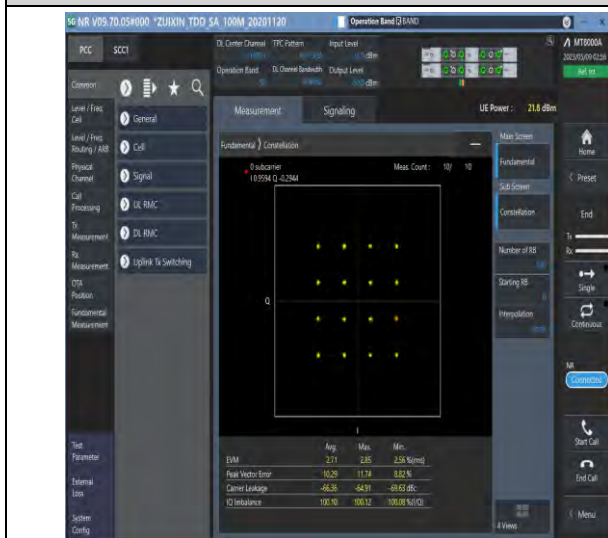
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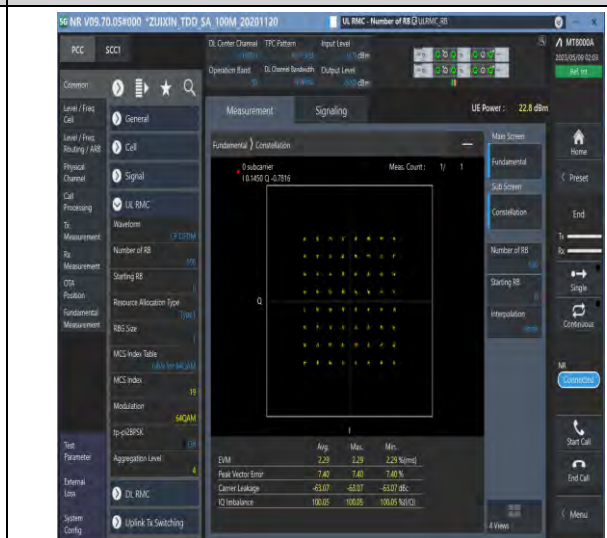
1-N38-PC3-30-40-M-5-DFT-256QAM-Outer_Full-100 @0-see graph-PASS



1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106 @0-see graph-PASS



1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106 @0-see graph-PASS



1-N38-PC3-30-40-M-8-CP-64QAM-Outer_Full-106 @0-see graph-PASS



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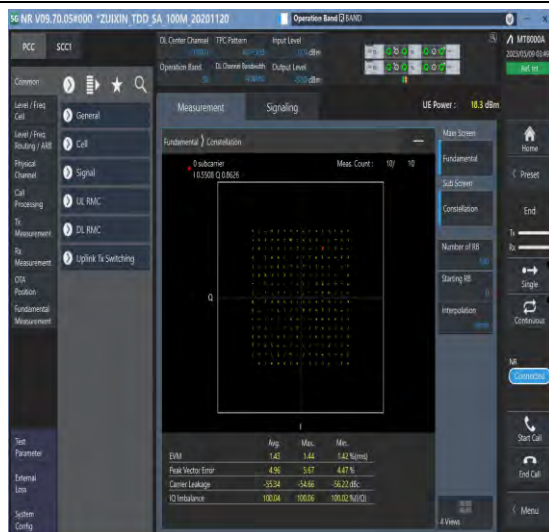
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1-N38-PC3-30-40-M-9-CP-256QAM-Outer_Full-106@0-see graph-PASS



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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
N38	30	20	DFT-QPSK	L	Outer_Full	17.827	18.920	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.827	18.920	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.805	18.800	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.842	18.840	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.741	18.800	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.187	19.520	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.258	20.040	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.135	19.240	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.224	19.720	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.814	18.680	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.82	18.960	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.768	18.760	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.836	19.000	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.254	19.840	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.228	20.360	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.266	19.440	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.273	19.720	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.853	19.040	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.767	19.200	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.83	18.920	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.858	19.040	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.729	18.960	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.229	19.520	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.261	19.440	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.207	19.440	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.219	19.880	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	26.8	28.260	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	26.756	27.780	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	26.784	27.960	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	26.766	27.900	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	26.698	28.440	PASS
N38	30	30	CP-QPSK	L	Outer_Full	27.868	29.580	PASS



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N38	30	30	CP-16QAM	L	Outer_Full	27.879	29.520	PASS
N38	30	30	CP-64QAM	L	Outer_Full	27.735	29.640	PASS
N38	30	30	CP-256QAM	L	Outer_Full	27.978	29.340	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.834	27.840	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.666	28.080	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.773	28.200	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	26.83	28.080	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.889	29.700	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.853	29.760	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.902	29.700	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.901	29.160	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	26.867	27.960	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	26.815	28.080	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	26.713	28.140	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	26.822	28.080	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	26.807	28.320	PASS
N38	30	30	CP-QPSK	H	Outer_Full	27.825	30.000	PASS
N38	30	30	CP-16QAM	H	Outer_Full	27.862	29.340	PASS
N38	30	30	CP-64QAM	H	Outer_Full	27.974	28.980	PASS
N38	30	30	CP-256QAM	H	Outer_Full	27.799	28.980	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	35.713	37.520	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	35.748	37.680	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	35.86	37.200	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	35.783	37.600	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	35.78	38.240	PASS
N38	30	40	CP-QPSK	L	Outer_Full	37.897	39.680	PASS
N38	30	40	CP-16QAM	L	Outer_Full	38.018	39.920	PASS
N38	30	40	CP-64QAM	L	Outer_Full	37.838	39.920	PASS
N38	30	40	CP-256QAM	L	Outer_Full	37.891	39.920	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.741	37.360	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.751	37.200	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.804	37.200	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.742	37.520	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.839	37.680	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.93	39.680	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.829	39.760	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.798	39.520	PASS



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N38	30	40	CP-256QAM	M	Outer_Full	37.904	40.000	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	35.74	37.440	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	35.803	37.440	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	35.779	37.280	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	35.687	37.440	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	35.749	37.600	PASS
N38	30	40	CP-QPSK	H	Outer_Full	37.947	39.760	PASS
N38	30	40	CP-16QAM	H	Outer_Full	37.874	39.360	PASS
N38	30	40	CP-64QAM	H	Outer_Full	37.763	39.680	PASS
N38	30	40	CP-256QAM	H	Outer_Full	37.834	39.680	PASS



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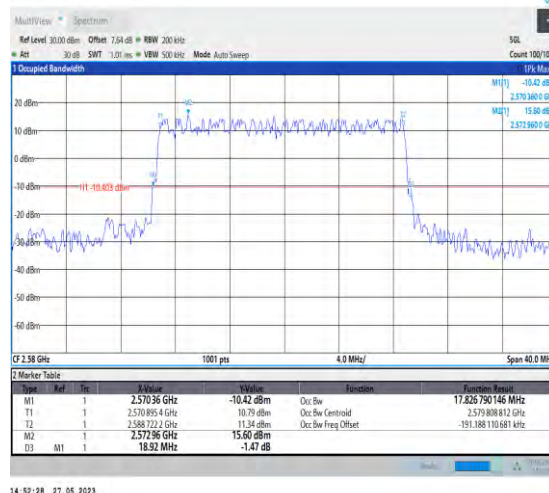
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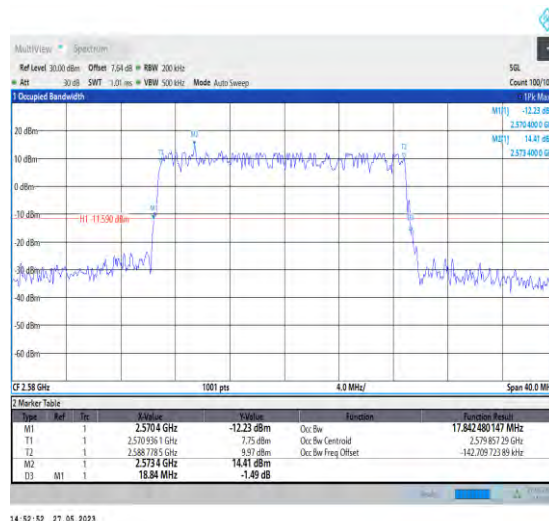
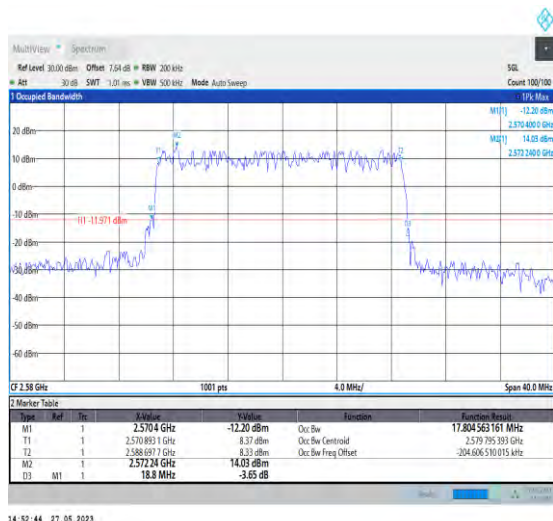
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Test Graphs



1-N38-PC3-30-20-L-1-DFT-QPSK-Outer_Full-50@0-17.827-18.920-≤20-PASS

1-N38-PC3-30-20-L-2-DFT-PI2BPSK-Outer_Full-50@0-17.827-18.920-≤20-PASS



1-N38-PC3-30-20-L-3-DFT-16QAM-Outer_Full-50@0-17.805-18.800-≤20-PASS

1-N38-PC3-30-20-L-4-DFT-64QAM-Outer_Full-50@0-17.842-18.840-≤20-PASS



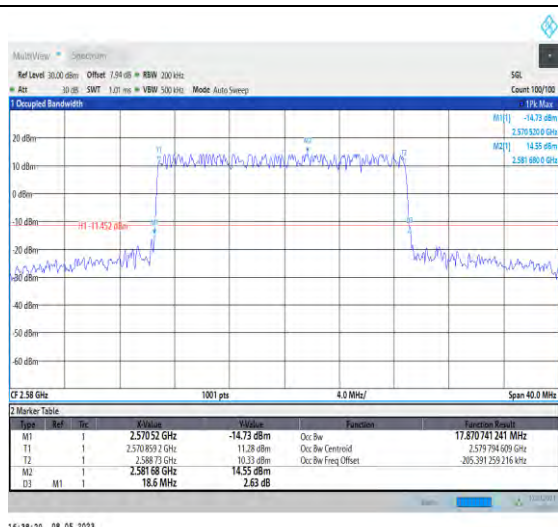
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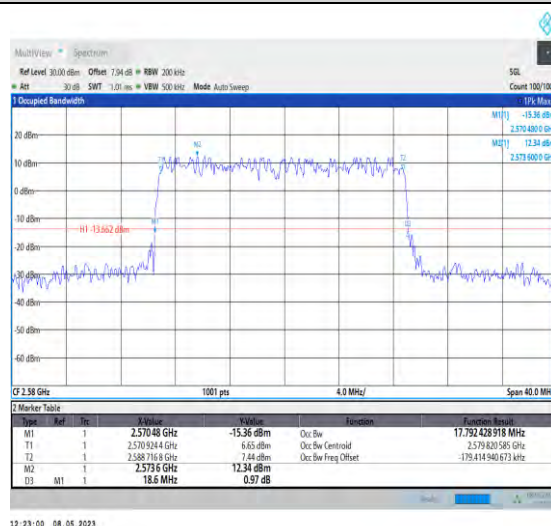
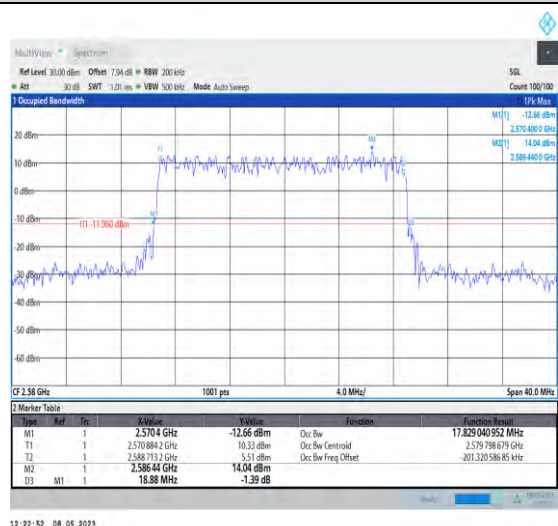
Rev.: 01

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1-N38-PC3-30-20-L-1-DFT-QPSK-Outer_Full-50@0-17.871-18.60-≤20-PASS

1-N38-PC3-30-20-L-2-DFT-PI2BPSK-Outer_Full-50@0-17.778-18.920-≤20-PASS



1-N38-PC3-30-20-L-3-DFT-16QAM-Outer_Full-50@0-17.829-18.880-≤20-PASS

1-N38-PC3-30-20-L-4-DFT-64QAM-Outer_Full-50@0-17.792-18.600-≤20-PASS



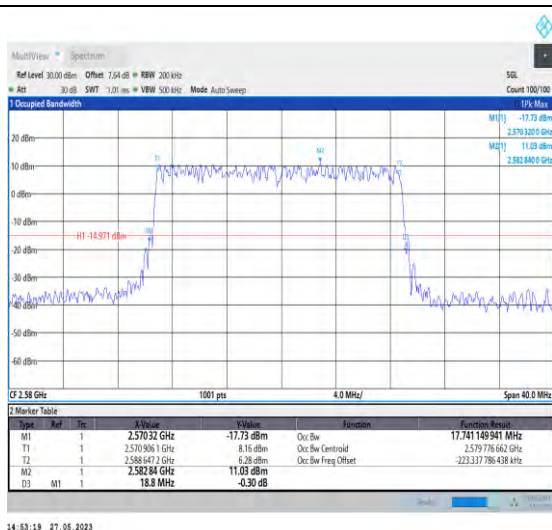
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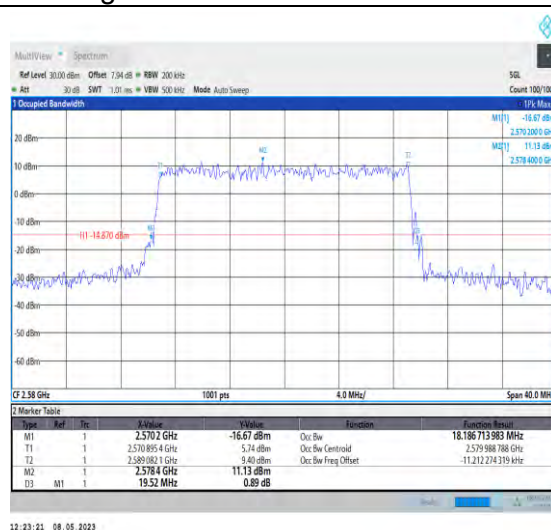
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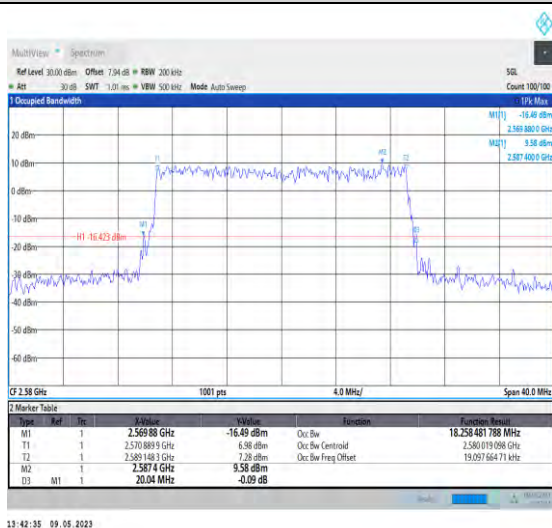
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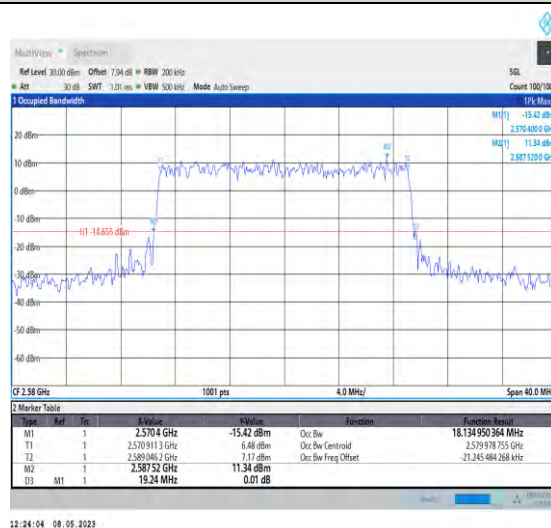
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1-N38-PC3-30-20-L-5-DFT-256QAM-Outer_Full-50
@0-17.949-19.240-≤20-PASS

1-N38-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-1
8.187-19.520-≤20-PASS



13:42:35 09.05.2023



12:24:04 08.05.2023

1-N38-PC3-30-20-L-7-CP-16QAM-Outer_Full-51@0-
18.258-20.040-≤20-PASS

1-N38-PC3-30-20-L-8-CP-64QAM-Outer_Full-51@0-
18.135-19.240-≤20-PASS



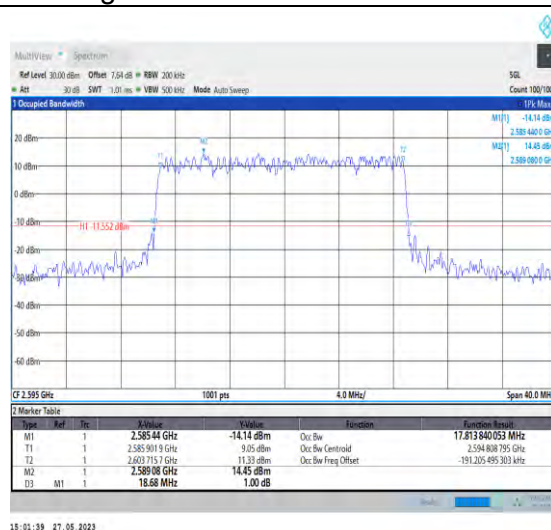
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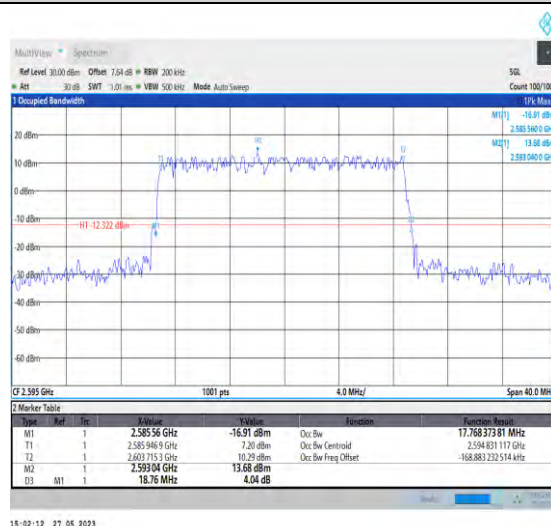
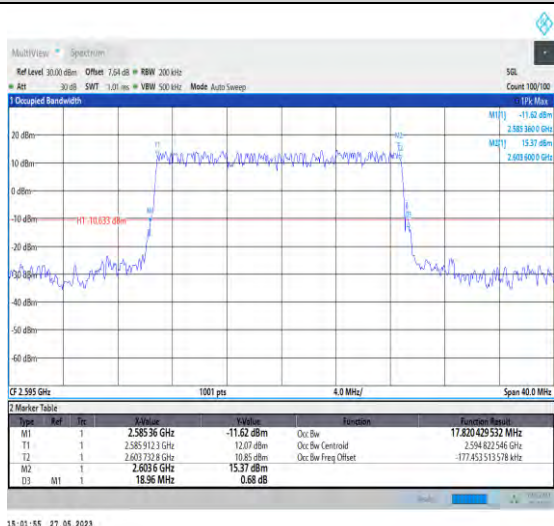
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1-N38-PC3-30-20-L-9-CP-256QAM-Outer_Full-51@
0-18.224-19.720-≤20-PASS

1-N38-PC3-30-20-M-1-DFT-QPSK-Outer_Full-50@
-17.814-18.680-≤20-PASS



1-N38-PC3-30-20-M-2-DFT-PI2BPSK-Outer_Full-50
@0-17.82-18.960-≤20-PASS

1-N38-PC3-30-20-M-3-DFT-16QAM-Outer_Full-50@
0-17.768-18.760-≤20-PASS



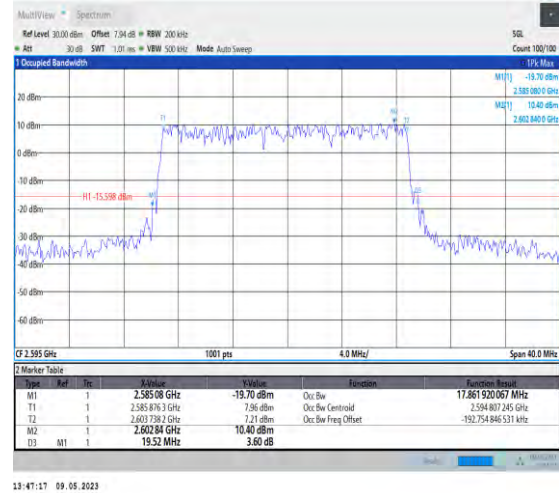
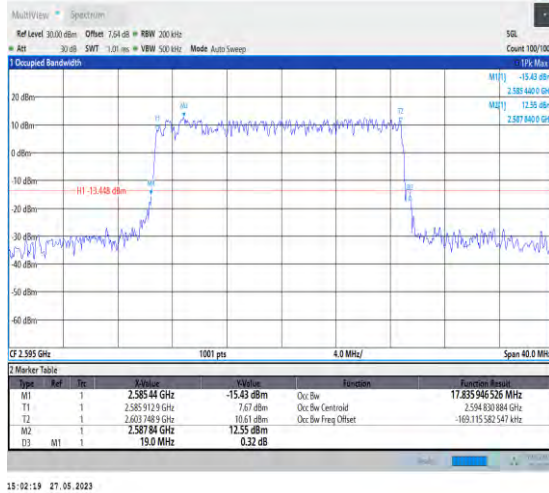
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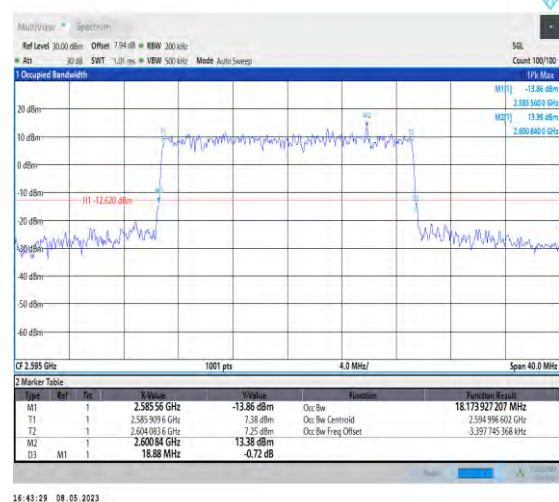
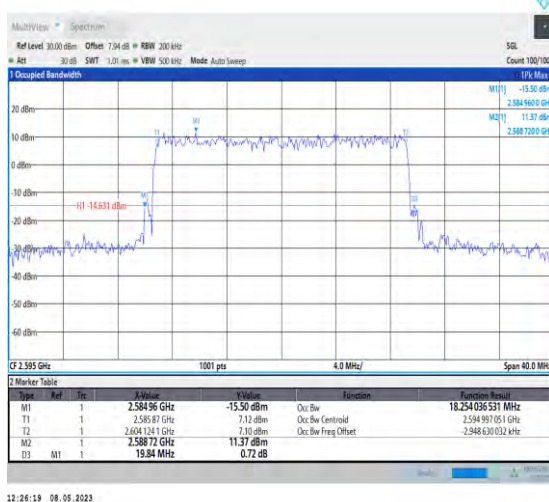
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1-N38-PC3-30-20-M-4-DFT-64QAM-Outer_Full-50@
0-17.836-19.000-≤20-PASS

1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50
@0-17.862-19.520-≤20-PASS



1-N38-PC3-30-20-M-6-CP-QPSK-Outer_Full-51@0-
18.254-19.840-≤20-PASS

1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-
-18.174-18.880-≤20-PASS



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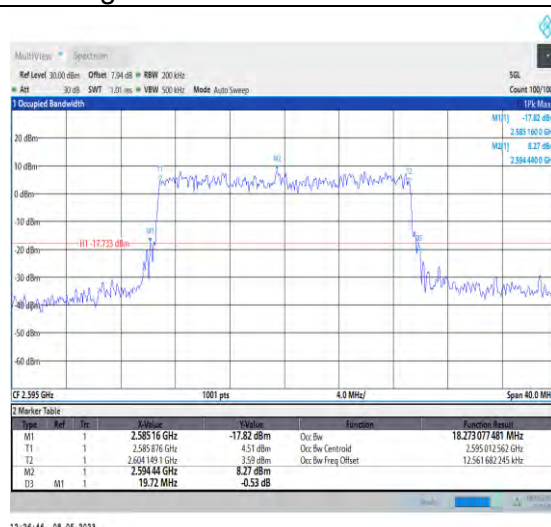
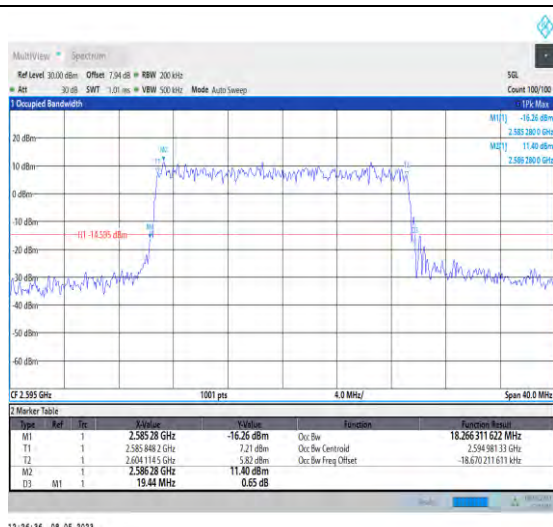
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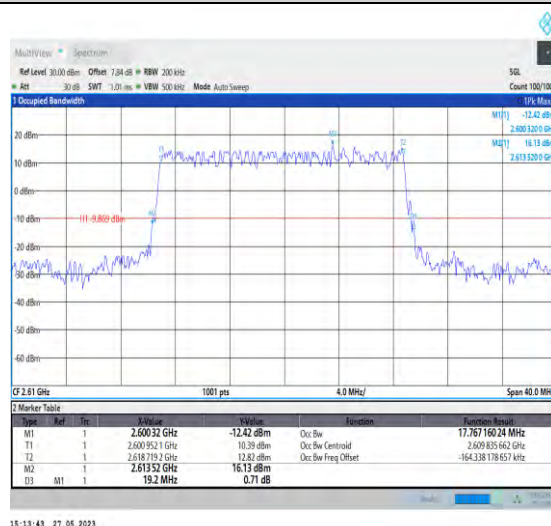
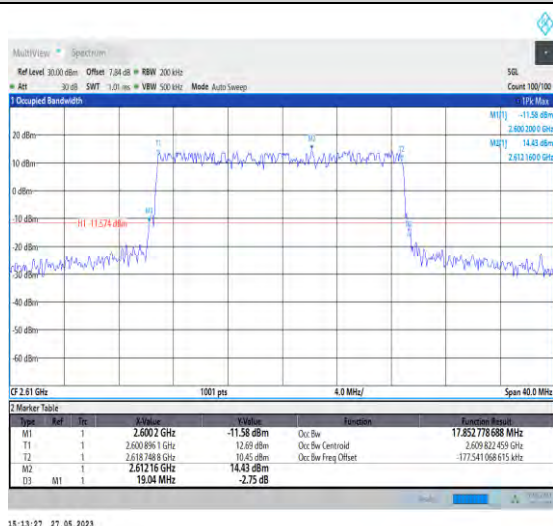
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1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0
-18.266-19.440-≤20-PASS

1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0
-18.273-19.720-≤20-PASS



1-N38-PC3-30-20-H-1-DFT-QPSK-Outer_Full-50@0-
17.853-19.040-≤20-PASS

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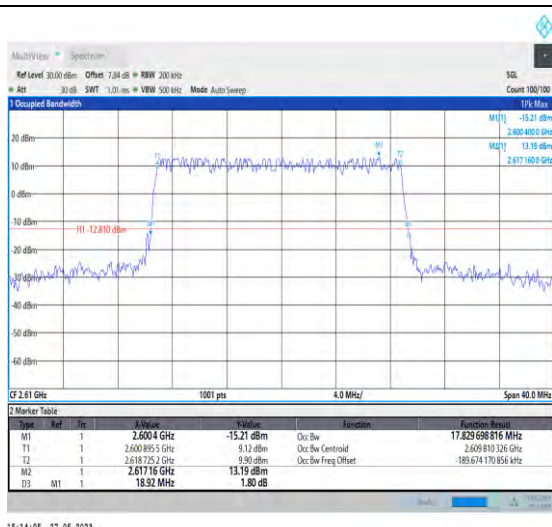
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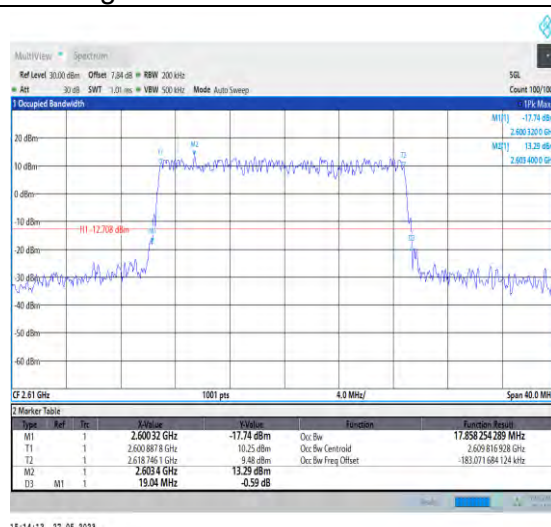
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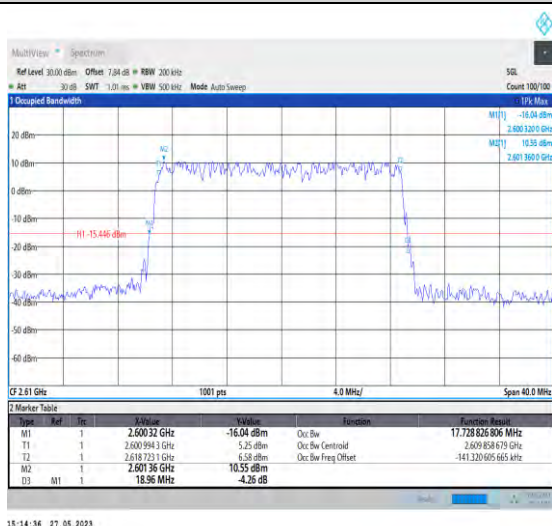
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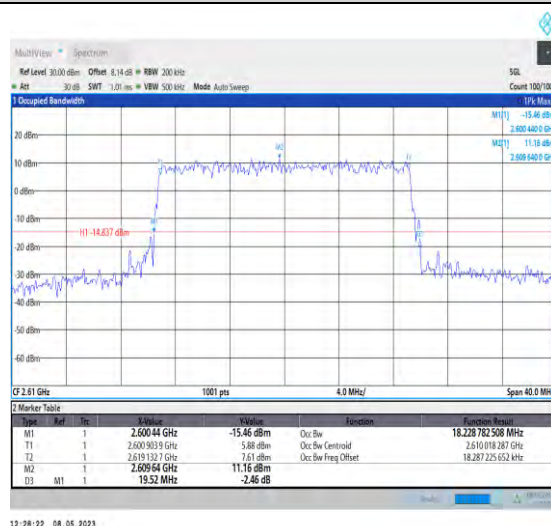
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@0-17.729-18.960-≤20-PASS



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18.229-19.520-≤20-PASS



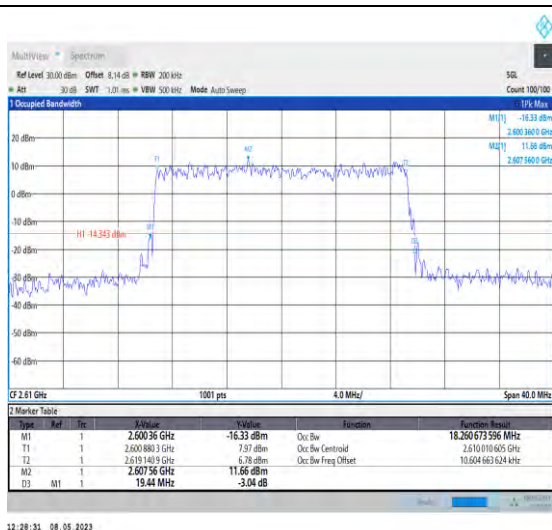
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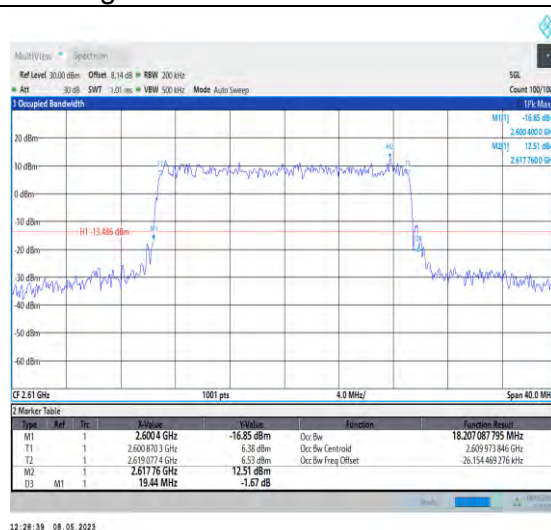
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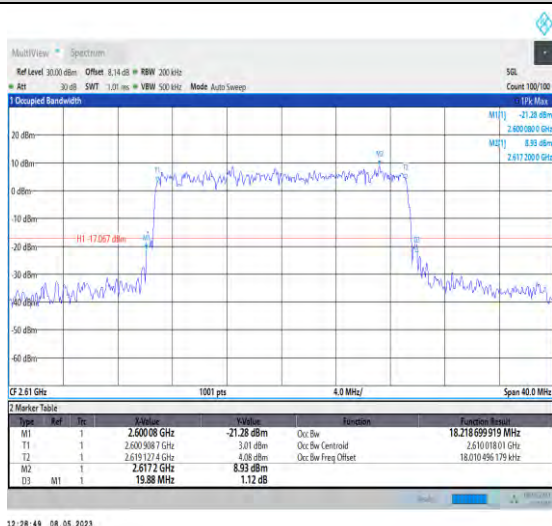
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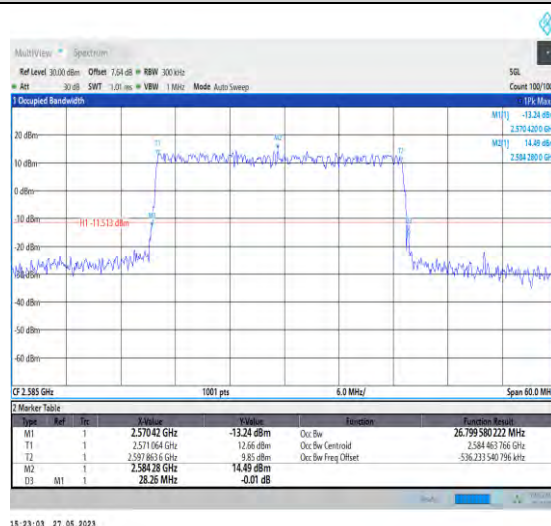
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-18.261-19.440-≤20-PASS



1-N38-PC3-30-20-H-8-CP-64QAM-Outer_Full-51@0
-18.207-19.440-≤20-PASS



1-N38-PC3-30-20-H-9-CP-256QAM-Outer_Full-51@0
0-18.219-19.880-≤20-PASS



1-N38-PC3-30-30-L-1-DFT-QPSK-Outer_Full-75@0-
26.8-28.260-≤30-PASS



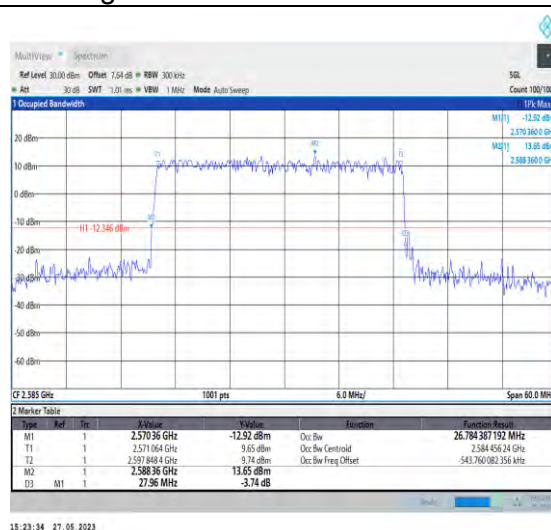
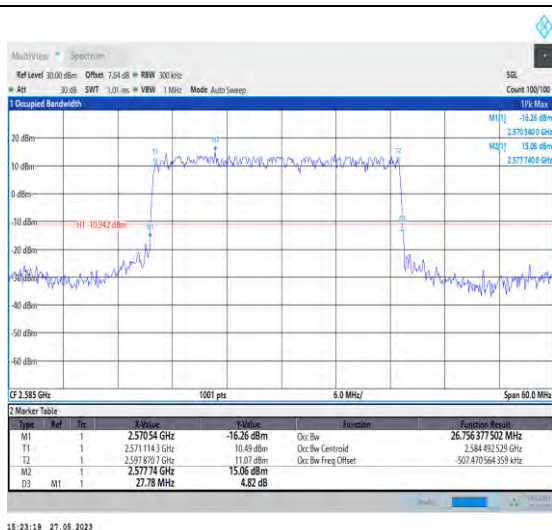
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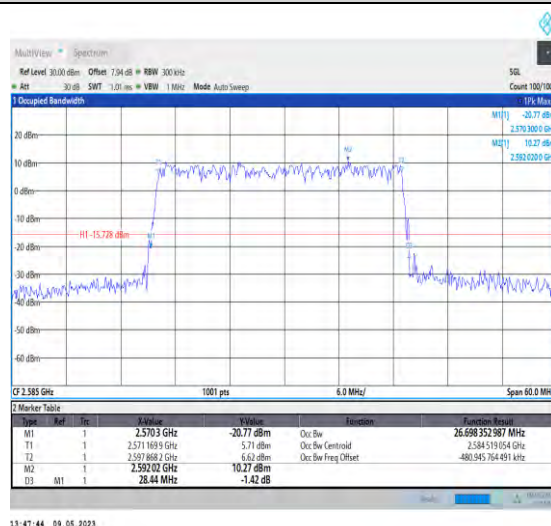
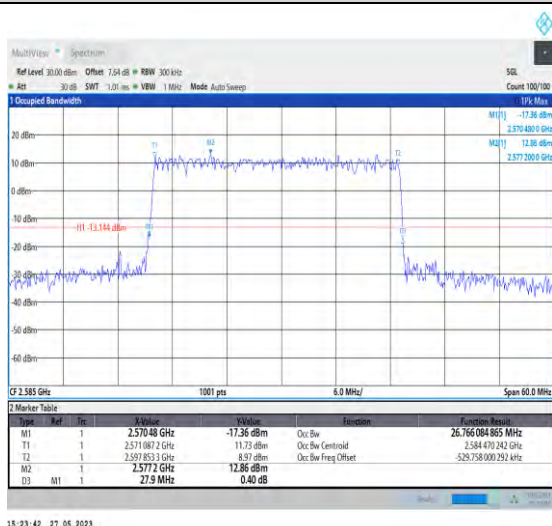
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1-N38-PC3-30-30-L-2-DFT-PI2BPSK-Outer_Full-75
@0-26.756-27.780-≤30-PASS

1-N38-PC3-30-30-L-3-DFT-16QAM-Outer_Full-75@
0-26.784-27.960-≤30-PASS



1-N38-PC3-30-30-L-4-DFT-64QAM-Outer_Full-75@
0-26.766-27.900-≤30-PASS

1-N38-PC3-30-30-L-5-DFT-256QAM-Outer_Full-75
@0-26.698-28.440-≤30-PASS



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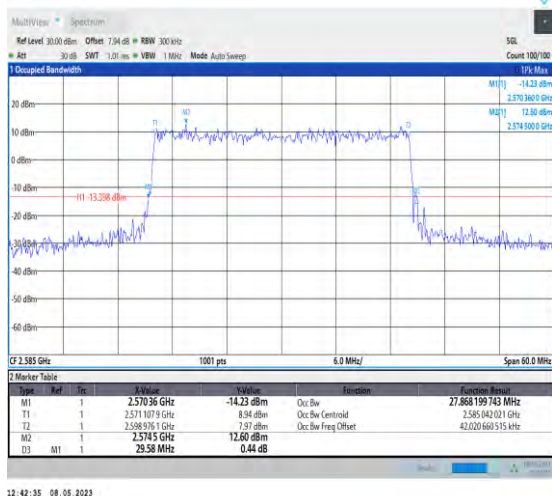
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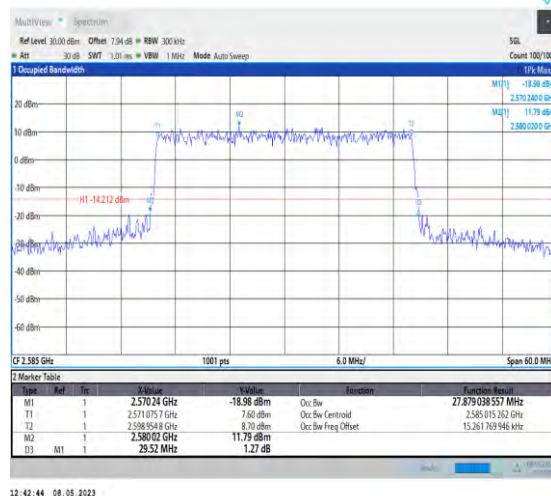
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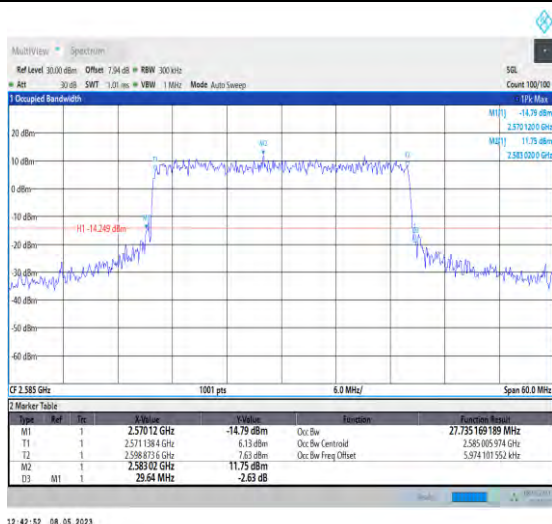
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1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-2
7.868-29.580-≤30-PASS



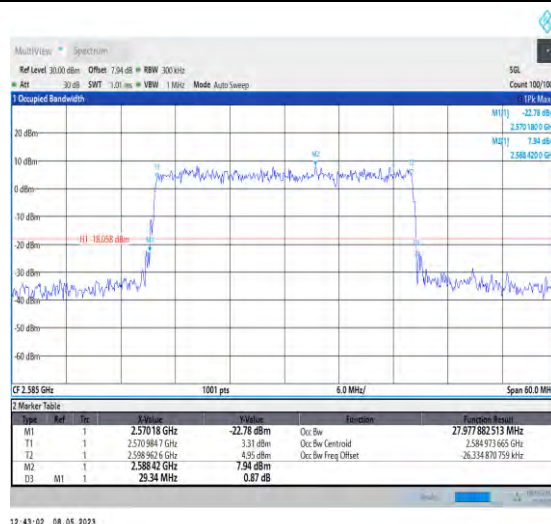
12:42:44 08.05.2023

1-N38-PC3-30-30-L-7-CP-16QAM-Outer_Full-78@0-
27.879-29.520-≤30-PASS



12:42:52 08.05.2023

1-N38-PC3-30-30-L-8-CP-64QAM-Outer_Full-78@0-
27.735-29.640-≤30-PASS



12:43:02 08.05.2023

1-N38-PC3-30-30-L-9-CP-256QAM-Outer_Full-78@
0-27.978-29.340-≤30-PASS



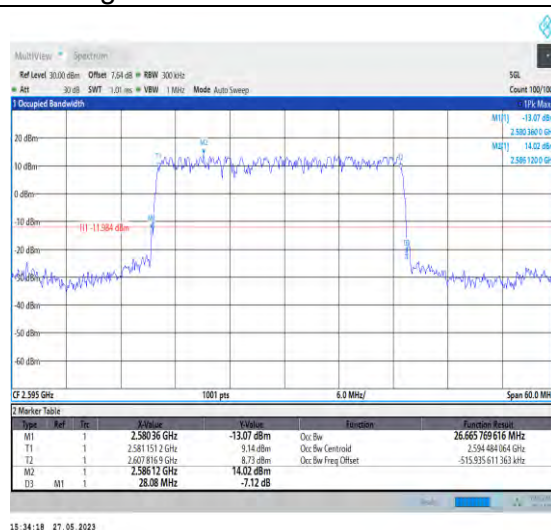
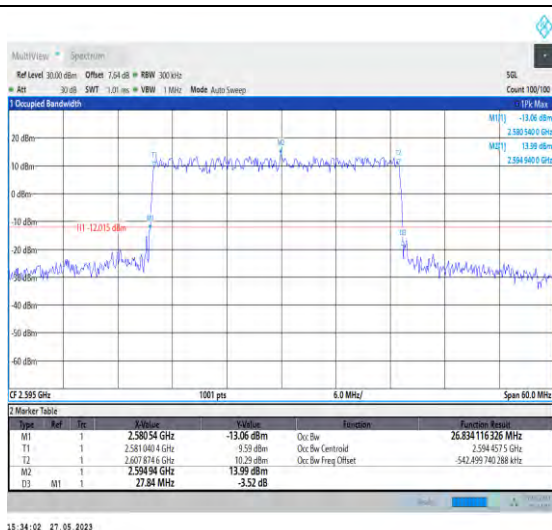
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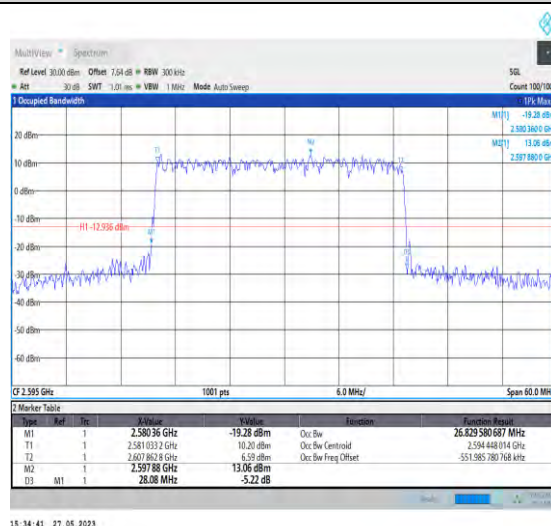
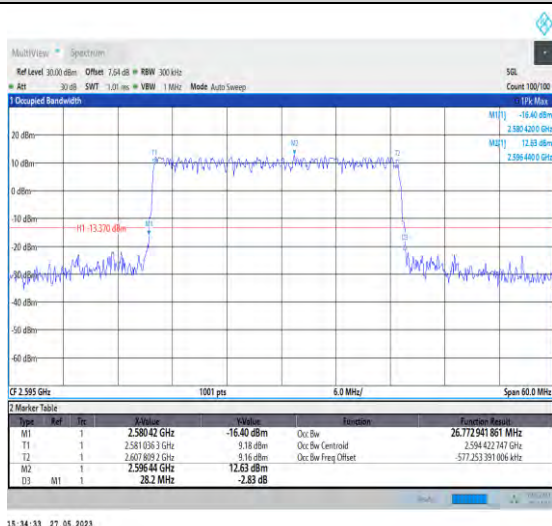
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1-N38-PC3-30-30-M-1-DFT-QPSK-Outer_Full-75@0
-26.834-27.840-≤30-PASS

1-N38-PC3-30-30-M-2-DFT-PI2BPSK-Outer_Full-75
@0-26.666-28.080-≤30-PASS



1-N38-PC3-30-30-M-3-DFT-16QAM-Outer_Full-75@0
0-26.773-28.200-≤30-PASS

1-N38-PC3-30-30-M-4-DFT-64QAM-Outer_Full-75@0
0-26.83-28.080-≤30-PASS



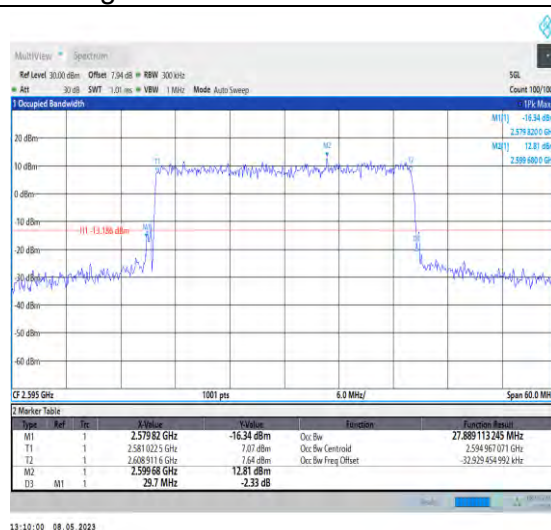
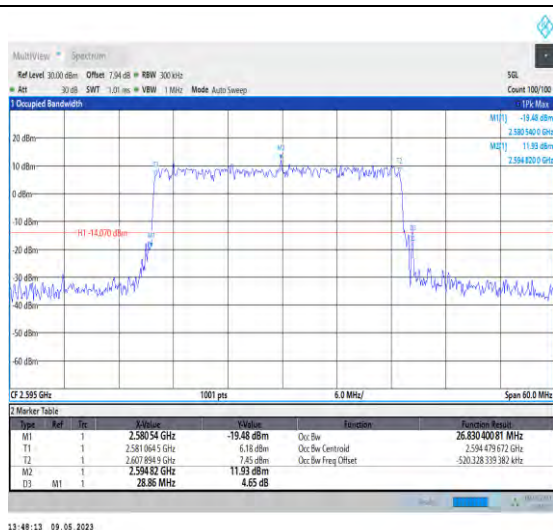
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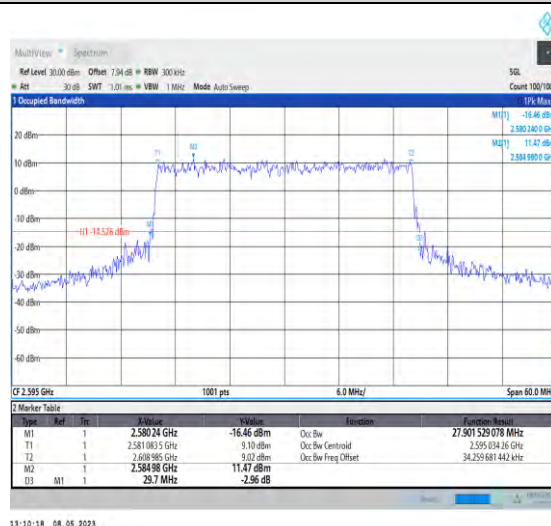
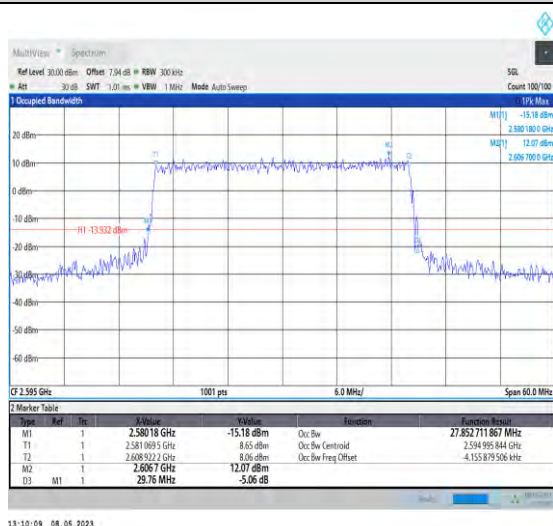
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1-N38-PC3-30-30-M-5-DFT-256QAM-Outer_Full-75@0-26.83-28.860-≤30-PASS

1-N38-PC3-30-30-M-6-CP-QPSK-Outer_Full-78@0-27.889-29.700-≤30-PASS



1-N38-PC3-30-30-M-7-CP-16QAM-Outer_Full-78@0-27.853-29.760-≤30-PASS

1-N38-PC3-30-30-M-8-CP-64QAM-Outer_Full-78@0-27.902-29.700-≤30-PASS



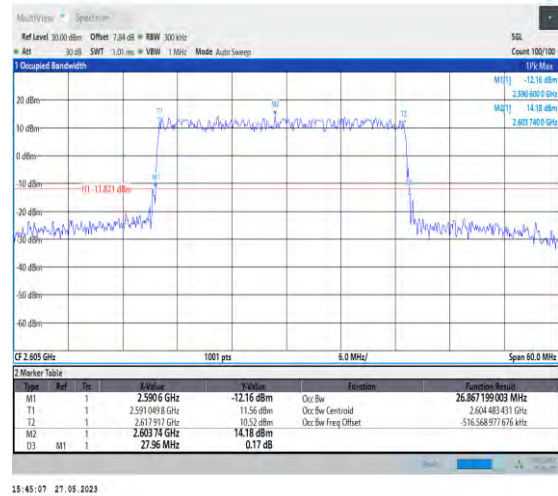
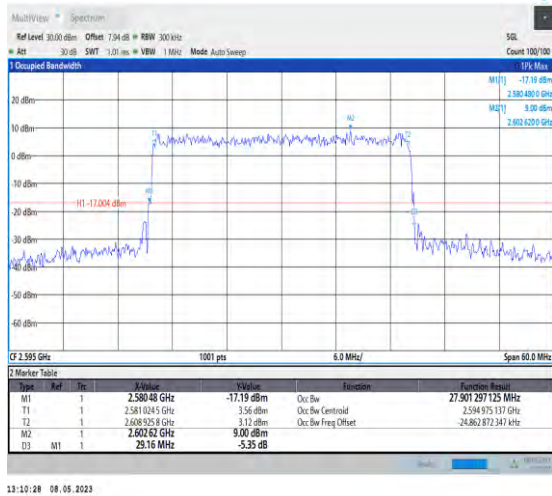
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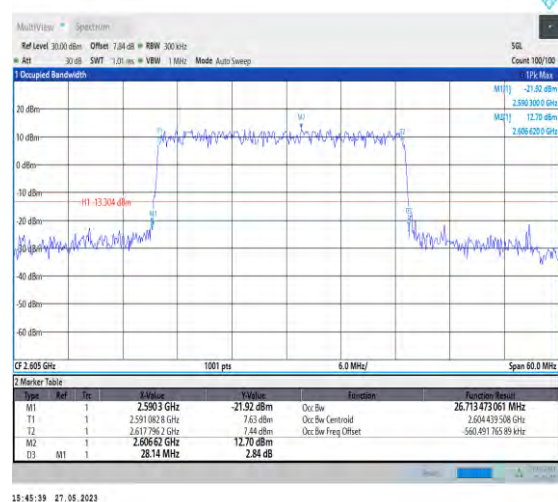
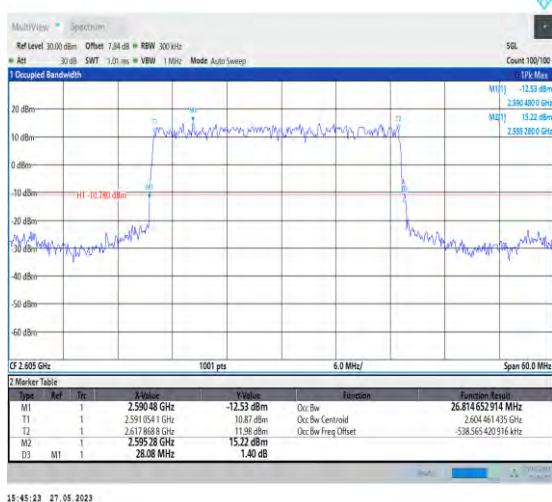
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1-N38-PC3-30-30-M-9-CP-256QAM-Outer_Full-78@
0-27.901-29.160-≤30-PASS

1-N38-PC3-30-30-H-1-DFT-QPSK-Outer_Full-75@0
-26.867-27.960-≤30-PASS



1-N38-PC3-30-30-H-2-DFT-PI2BPSK-Outer_Full-75
@0-26.815-28.080-≤30-PASS

1-N38-PC3-30-30-H-3-DFT-16QAM-Outer_Full-75@
0-26.713-28.140-≤30-PASS



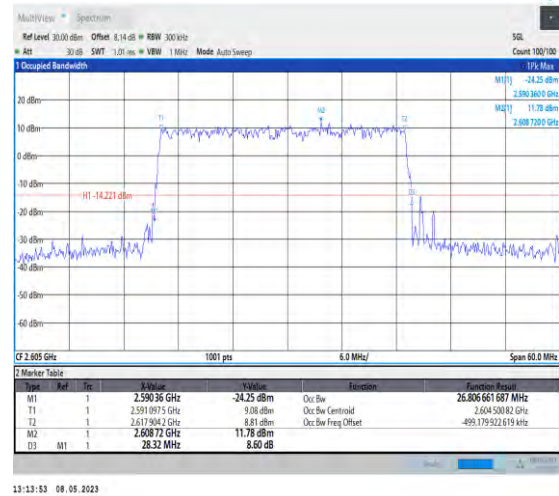
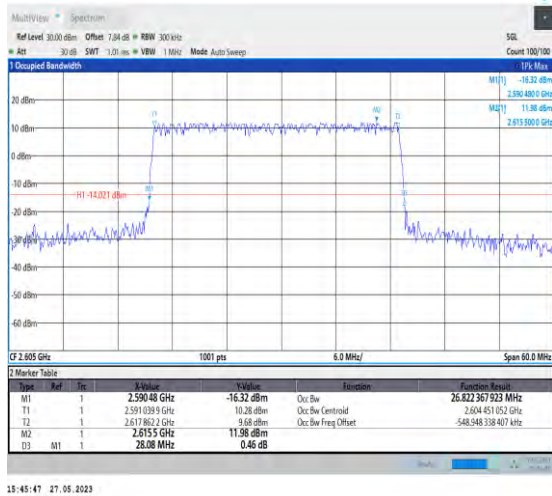
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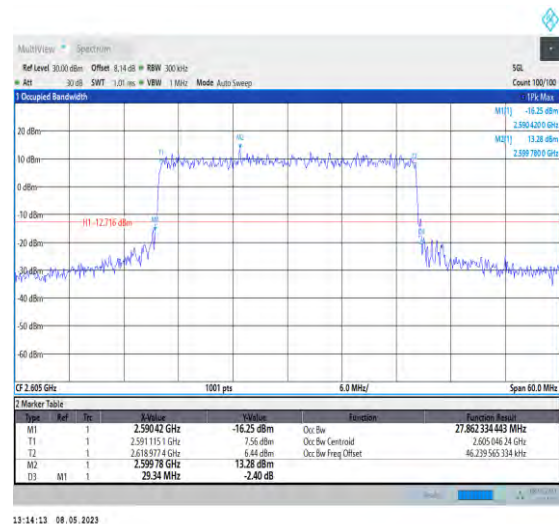
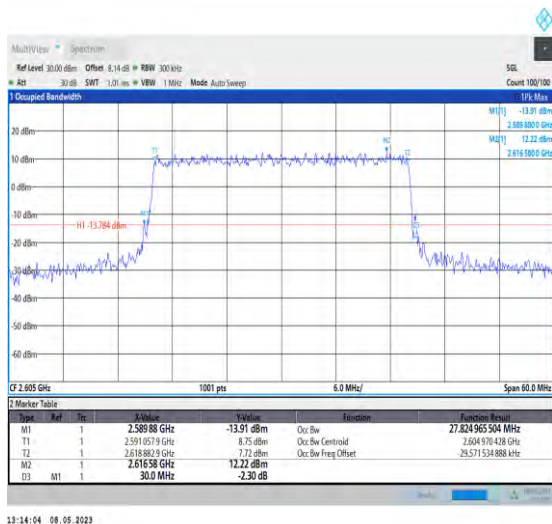
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1-N38-PC3-30-30-H-4-DFT-64QAM-Outer_Full-75@
0-26.822-28.080-≤30-PASS

1-N38-PC3-30-30-H-5-DFT-256QAM-Outer_Full-75
@0-26.807-28.320-≤30-PASS



1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-2
7.825-30.000-≤30-PASS

1-N38-PC3-30-30-H-7-CP-16QAM-Outer_Full-78@0
-27.862-29.340-≤30-PASS



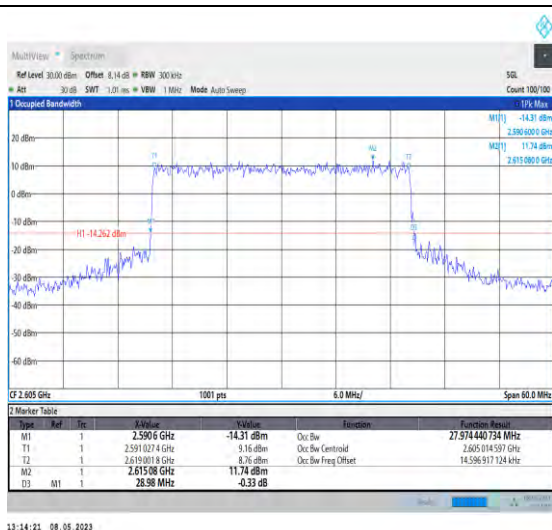
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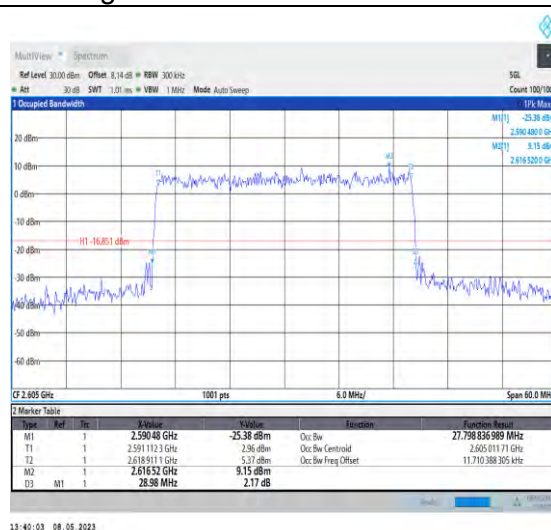
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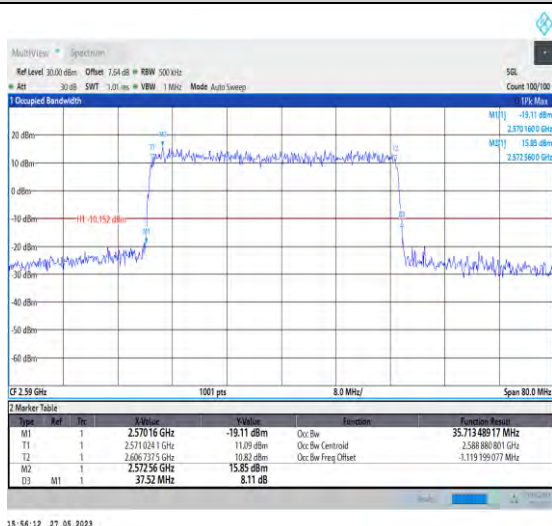
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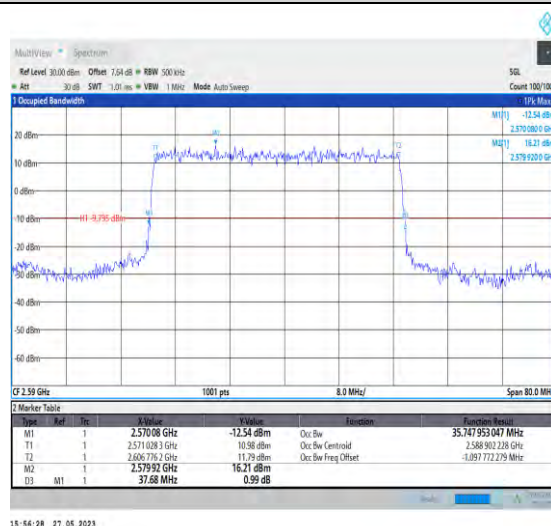
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1-N38-PC3-30-30-H-9-CP-256QAM-Outer_Full-78@0
0-27.799-28.980-≤30-PASS



1-N38-PC3-30-40-L-1-DFT-QPSK-Outer_Full-100@0
-35.713-37.520-≤40-PASS



1-N38-PC3-30-40-L-2-DFT-PI2BPSK-Outer_Full-100@0
@0-35.748-37.680-≤40-PASS



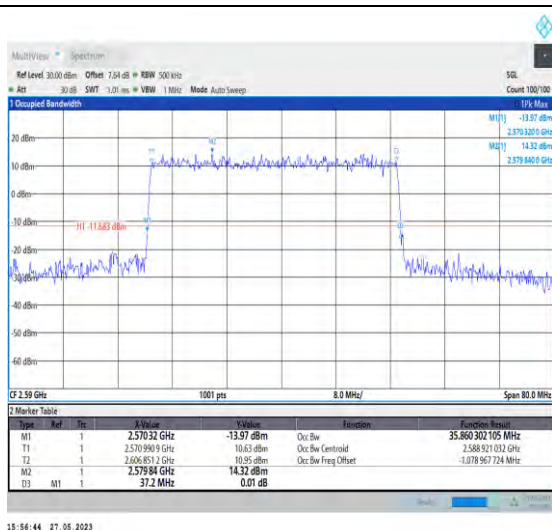
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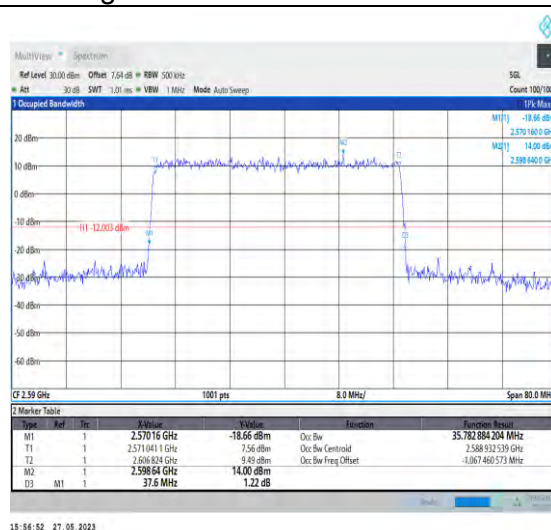
Report No.: SEWM2305000166RG02

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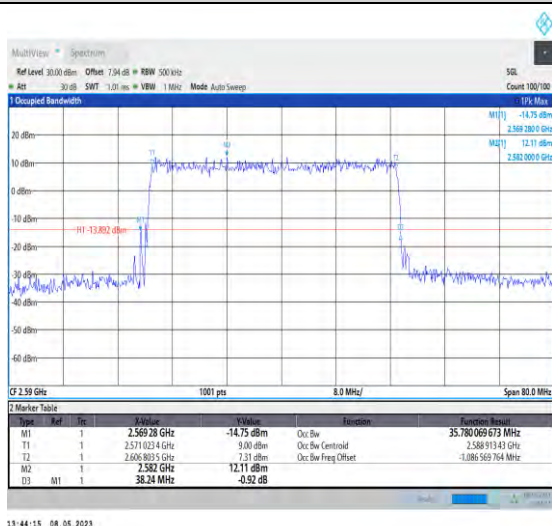
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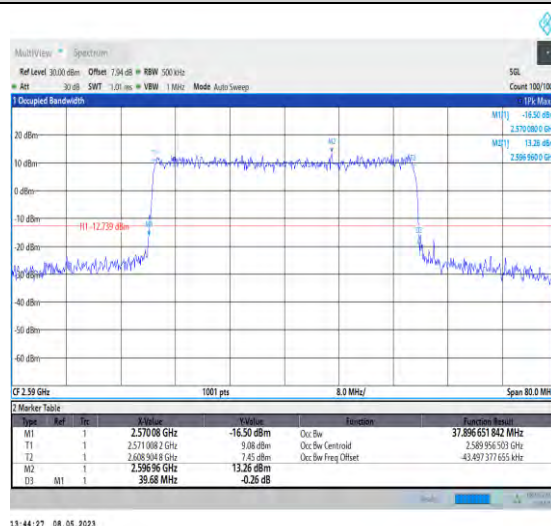
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@0-35.86-37.200-≤40-PASS

1-N38-PC3-30-40-L-4-DFT-64QAM-Outer_Full-100
@0-35.783-37.600-≤40-PASS



13:44:15 08.05.2023



13:44:27 08.05.2023

1-N38-PC3-30-40-L-5-DFT-256QAM-Outer_Full-100
@0-35.78-38.240-≤40-PASS

1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-37.897-39.680-≤40-PASS



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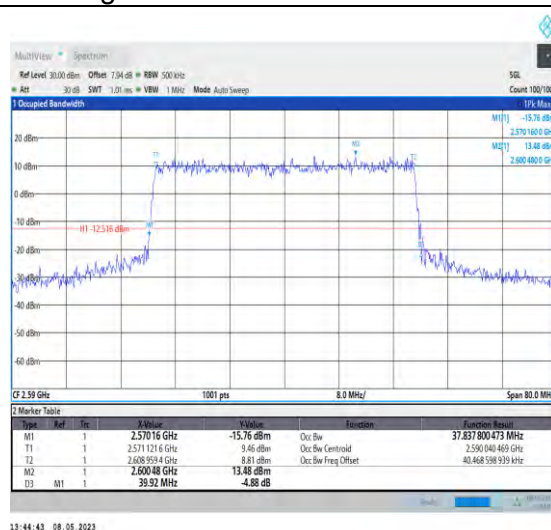
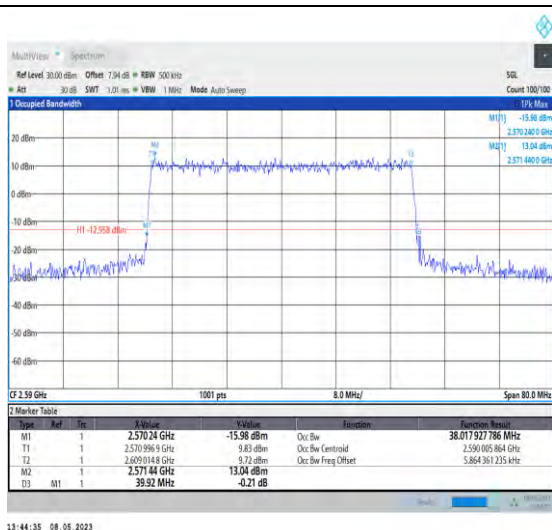
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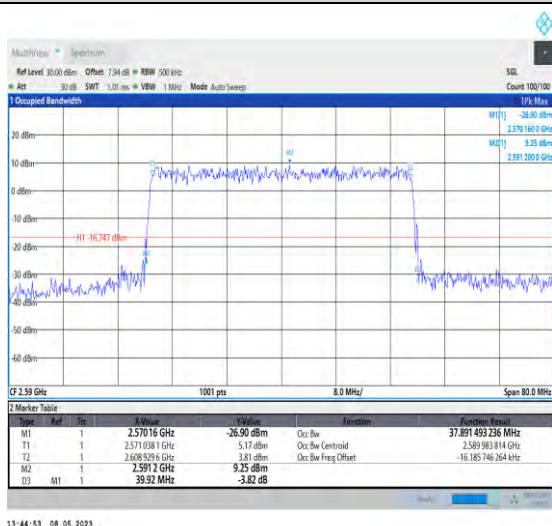
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1-N38-PC3-30-40-L-7-CP-16QAM-Outet_Full-106@
0-38.018-39.920-≤40-PASS

1-N38-PC3-30-40-L-8-CP-64QAM-Outet_Full-106@
0-37.838-39.920-≤40-PASS



1-N38-PC3-30-40-L-9-CP-256QAM-Outet_Full-106@
@0-37.891-39.920-≤40-PASS

1-N38-PC3-30-40-M-1-DFT-QPSK-Outet_Full-100@
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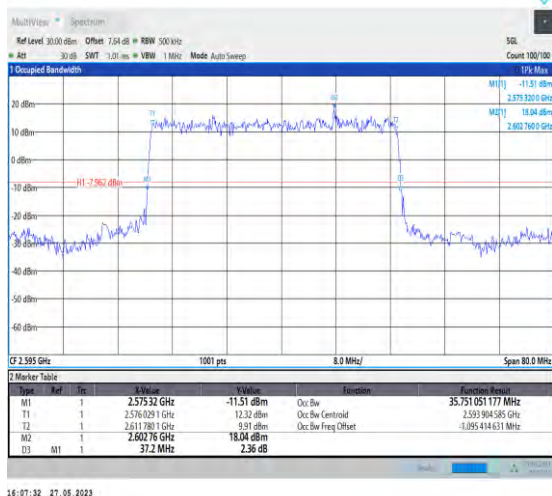
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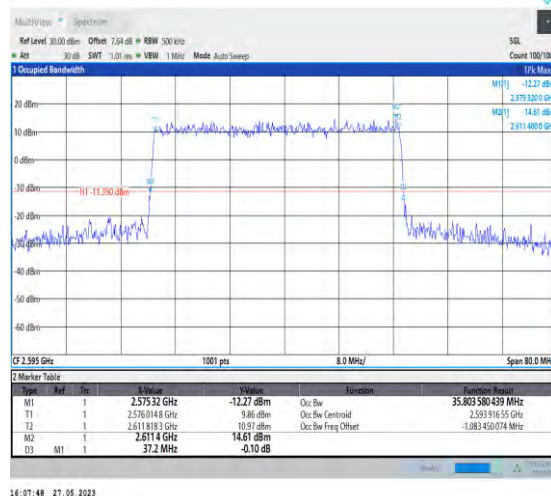
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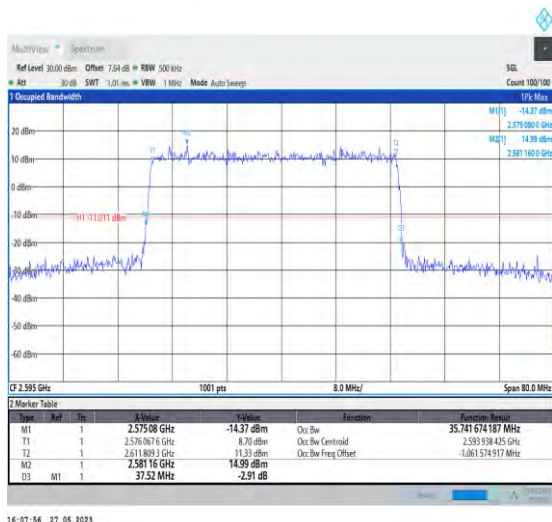
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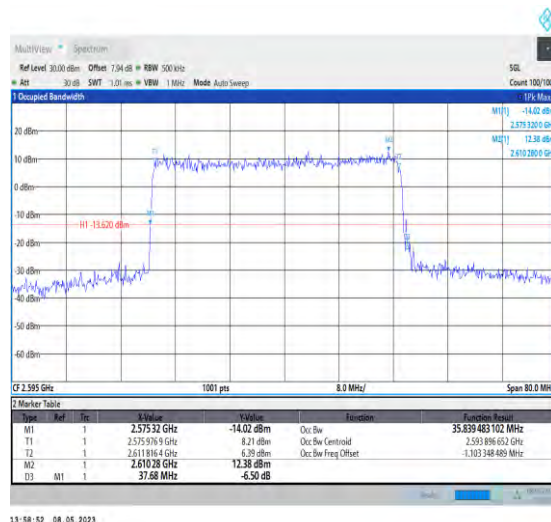
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@0-35.804-37.200-≤40-PASS



16:07:54 27.05.2023



13:38:52 08.05.2023

1-N38-PC3-30-40-M-4-DFT-64QAM-Outer_Full-100
@0-35.742-37.520-≤40-PASS

1-N38-PC3-30-40-M-5-DFT-256QAM-Outer_Full-100
@0-35.839-37.680-≤40-PASS



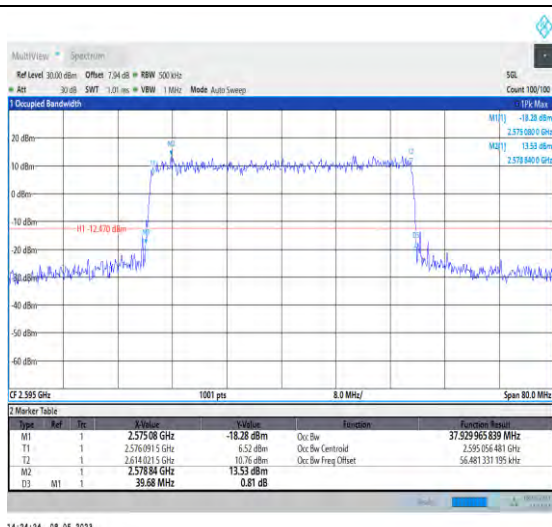
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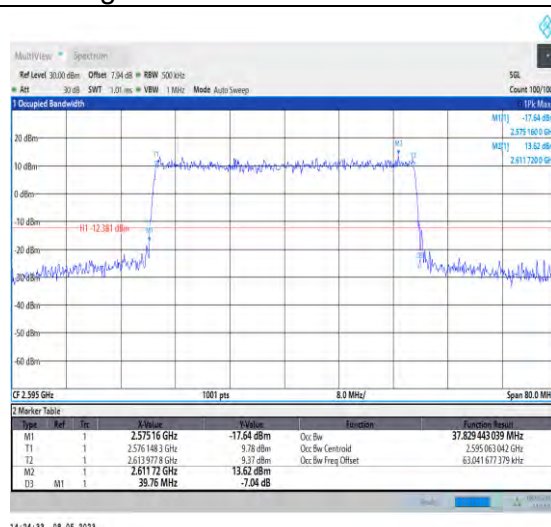
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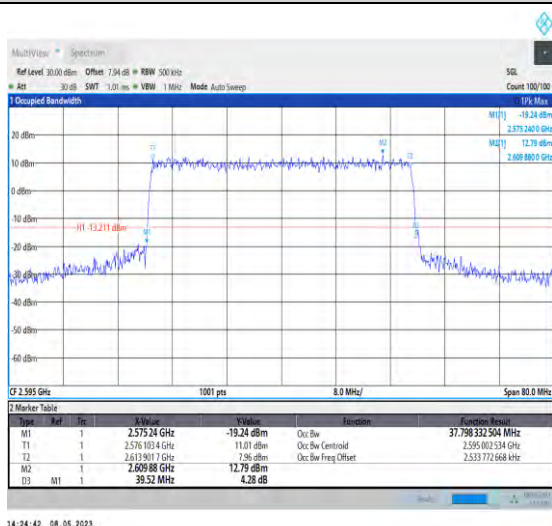
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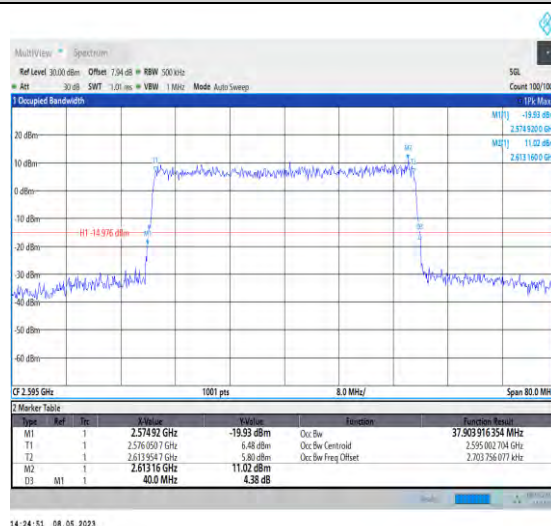
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14-24-42 08.05.2023

1-N38-PC3-30-40-M-8-CP-64QAM-Outer_Full-106@0
0-37.798-39.520-≤40-PASS



14-24-51 08.05.2023

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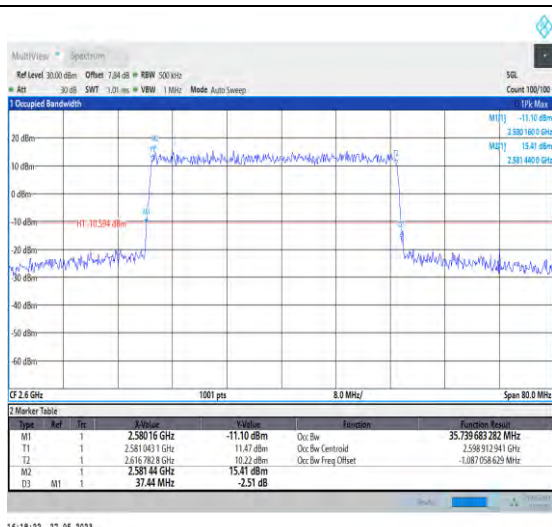
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16:18:22 27.05.2023

1-N38-PC3-30-40-H-1-DFT-QPSK-Outer_Full-100@
0-35.74-37.440-≤40-PASS



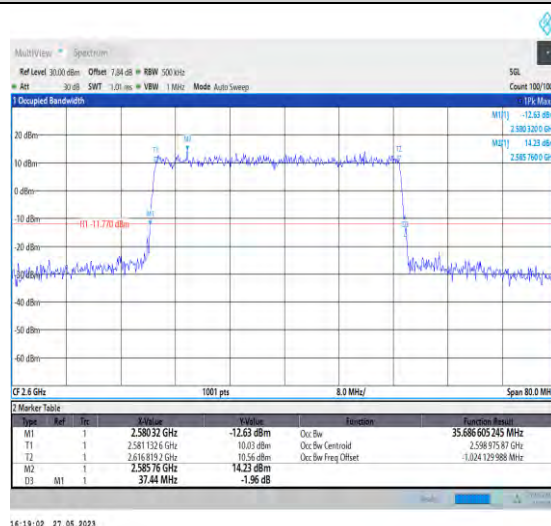
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16:18:53 27.05.2023

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0-35.779-37.280-≤40-PASS



16:19:02 27.05.2023

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0-35.687-37.440-≤40-PASS



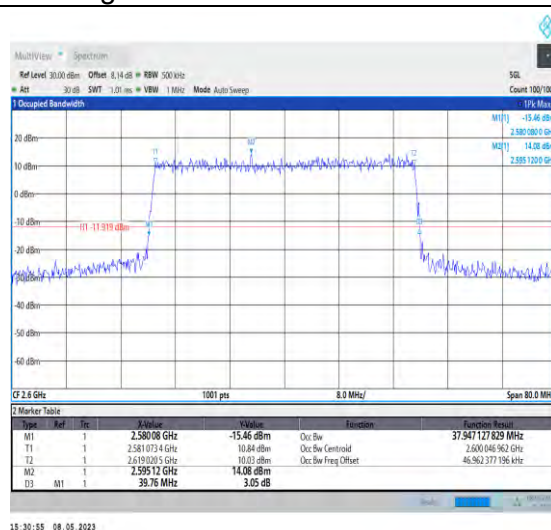
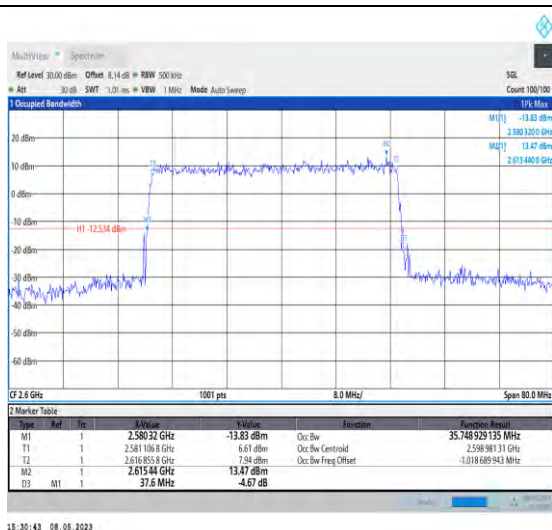
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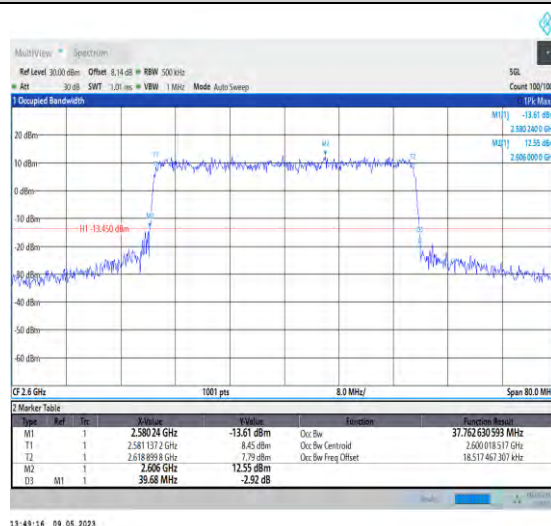
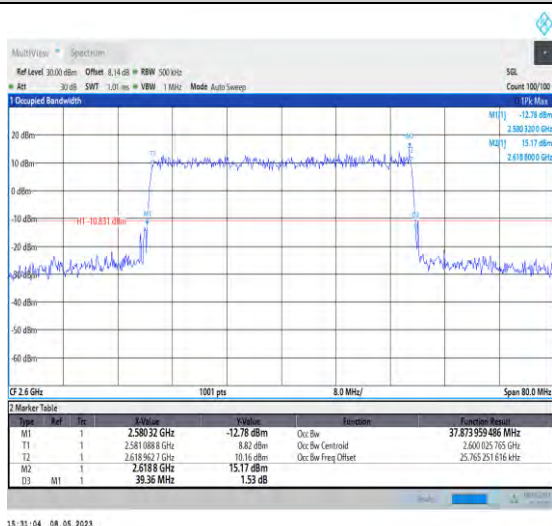
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1-N38-PC3-30-40-H-5-DFT-256QAM-Outer_Full-100
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1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106@0
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1-N38-PC3-30-40-H-7-CP-16QAM-Outer_Full-106@
0-37.874-39.360-≤40-PASS

1-N38-PC3-30-40-H-8-CP-64QAM-Outer_Full-106@
0-37.763-39.680-≤40-PASS



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15:44:22 08.05.2023

1-N38-PC3-30-40-H-9-CP-256QAM-Outer_Full-106
@0-37.834-39.680-≤40-PASS



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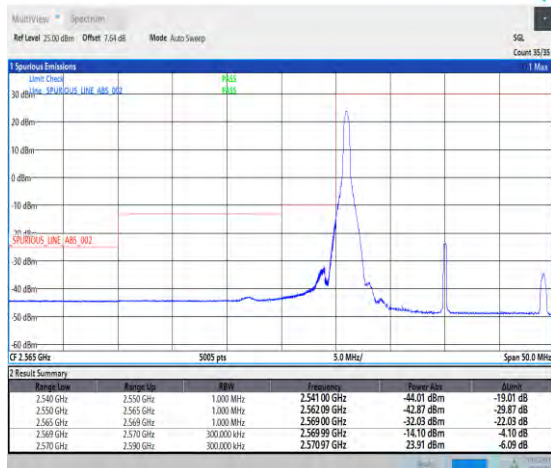
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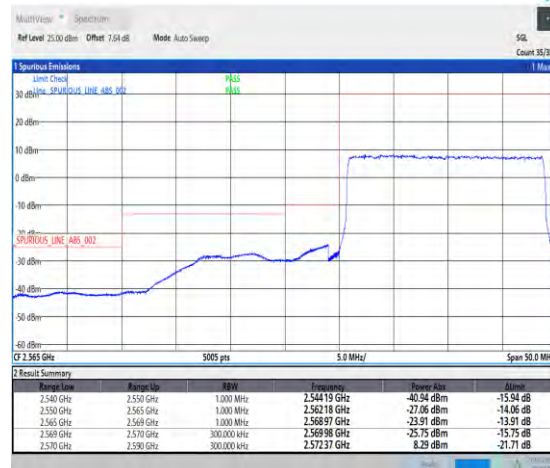
Band Edge for SA

Test Graphs



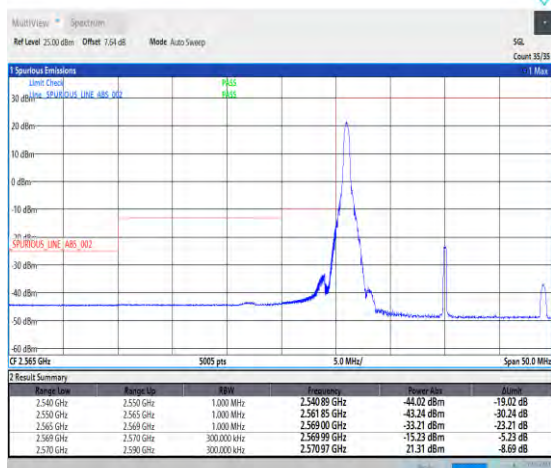
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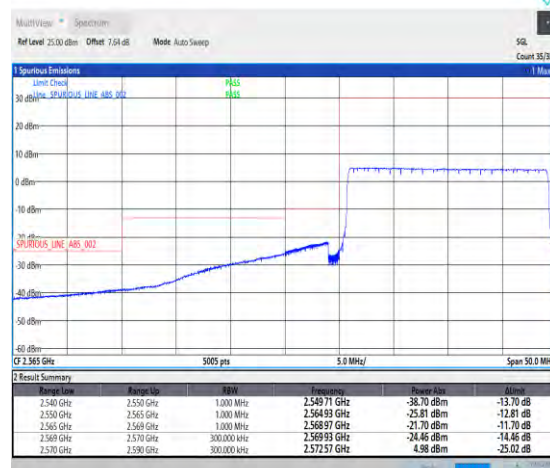
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18:08:41 27.05.2023

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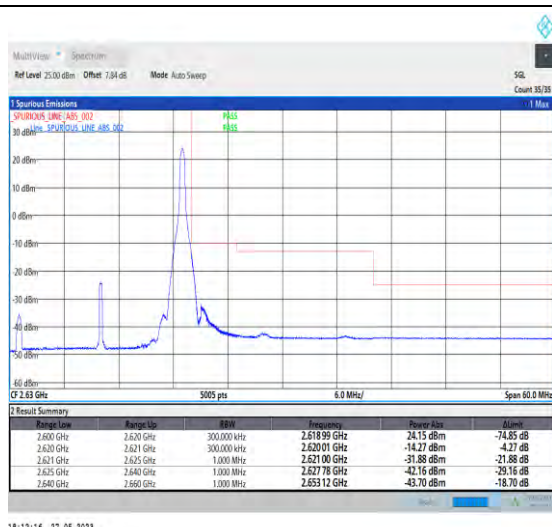
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Report No.: SEWM2305000166RG02

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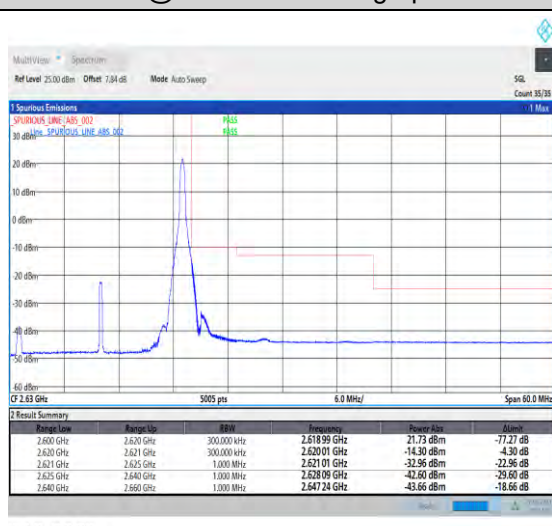
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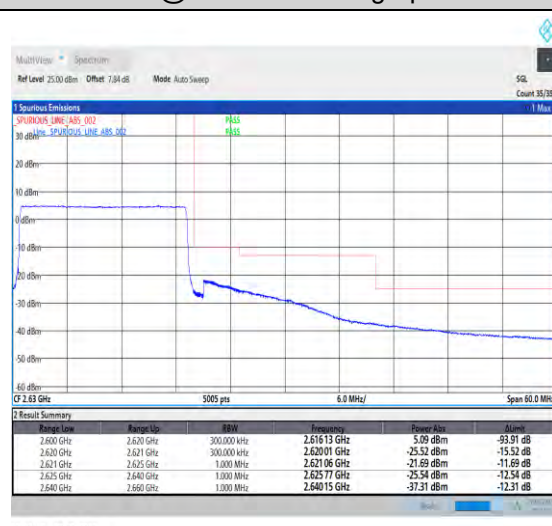
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18:14:55 27.05.2023

1-N38-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@
50-1--PASS-see graph



18:16:12 27.05.2023

1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@
0-1--PASS-see graph



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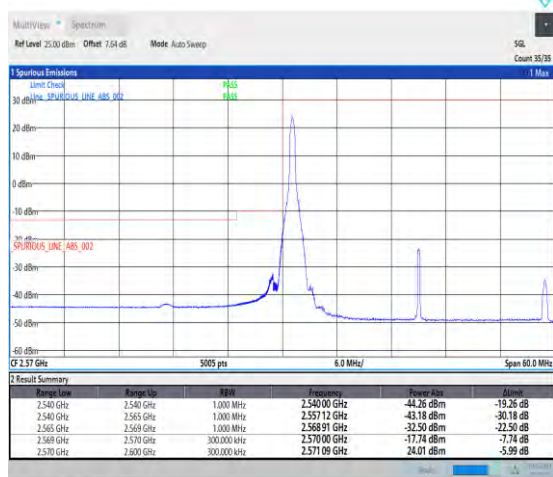
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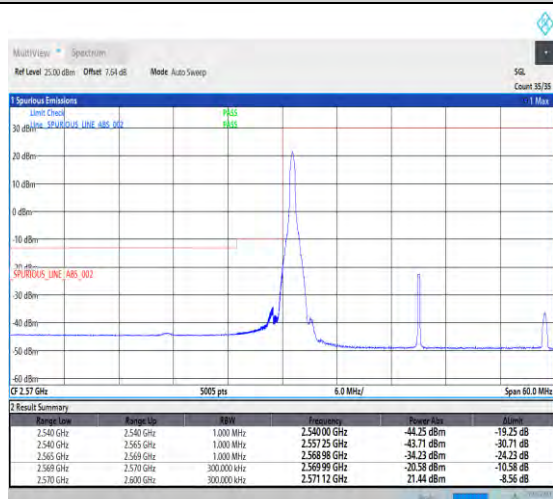
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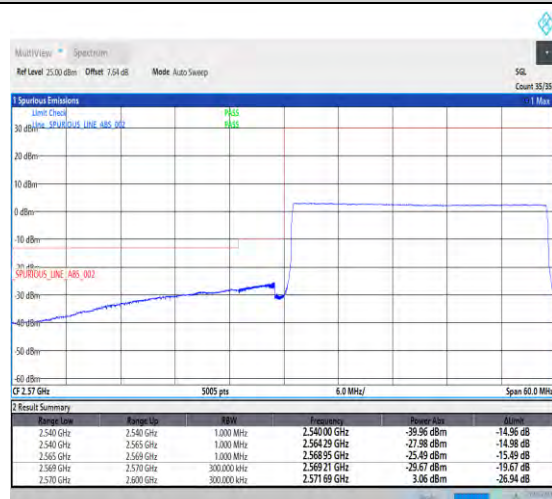
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18:23:20 27.05.2023

1-N38-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-1--PASS-see graph



18:25:24 27.05.2023

1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-1--PASS-see graph



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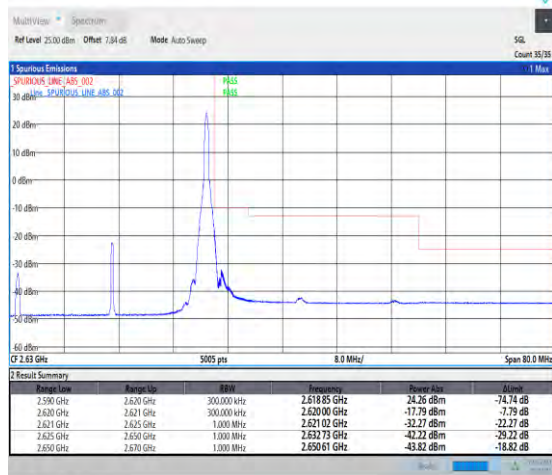
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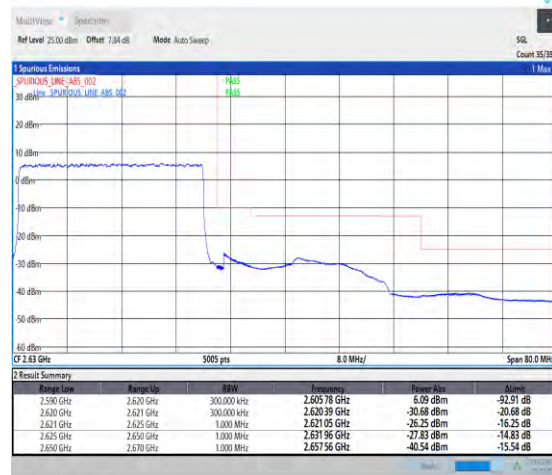
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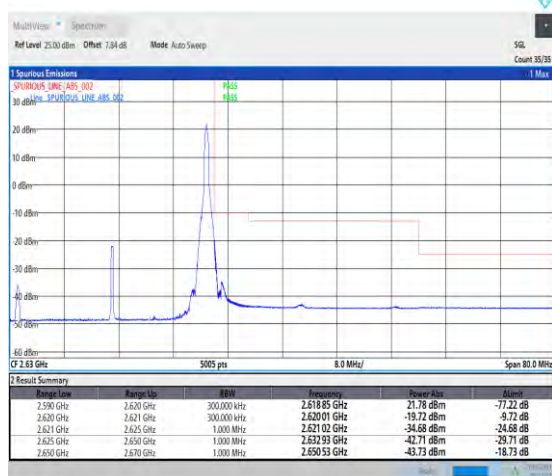
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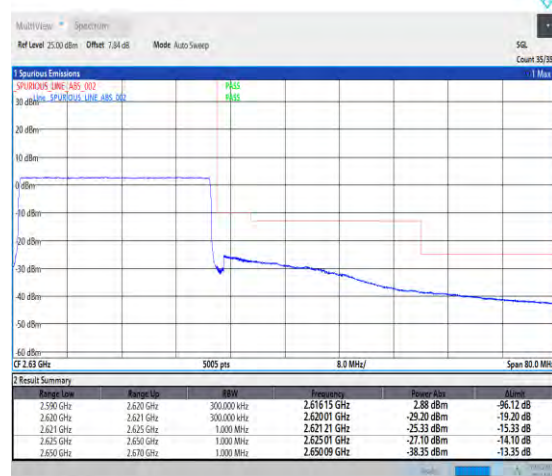
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1-N38-PC3-30-30-H-3-DFT-PI2BPSK-Outer_Full-
75@0-1--PASS-see graph



18:32:34 27.05.2023

1-N38-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@
77-1--PASS-see graph



18:34:36 27.05.2023

1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@
0-1--PASS-see graph



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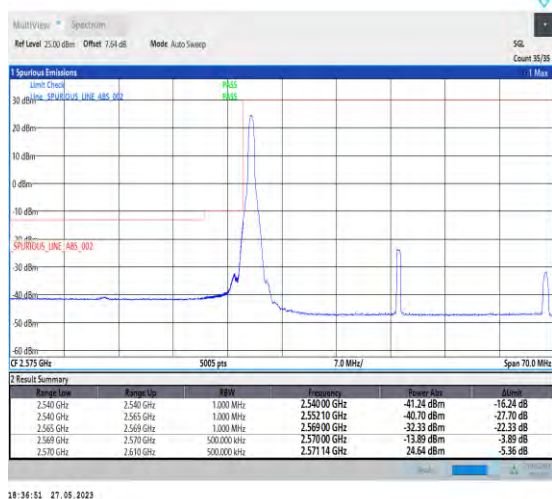
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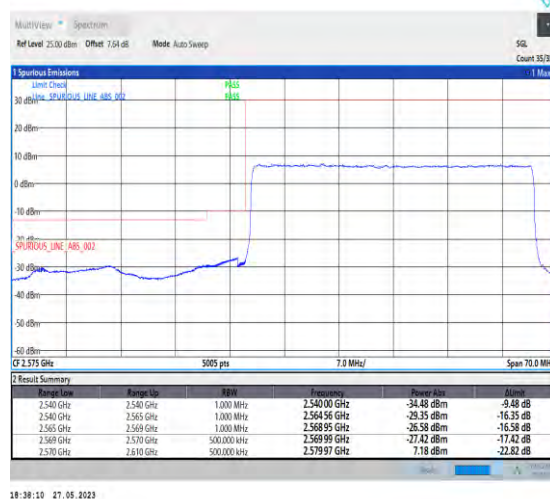
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18:36:51 27.05.2023

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-1@0-1--PASS-see graph



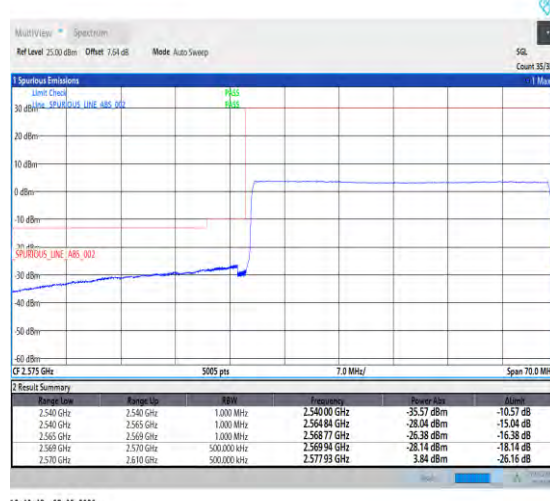
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18:39:29 27.05.2023

1-N38-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@
0-1--PASS-see graph



18:40:48 27.05.2023

1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@
0-1--PASS-see graph



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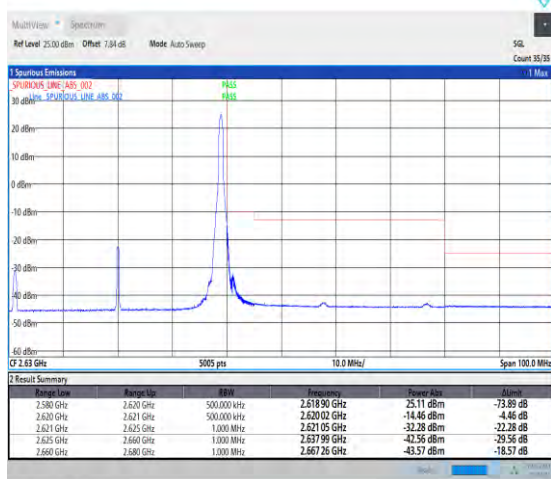
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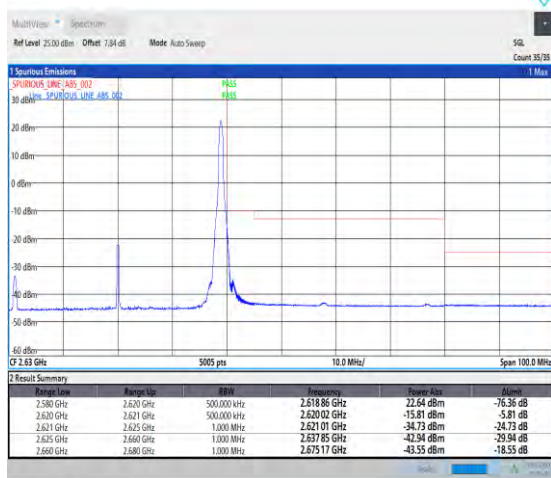
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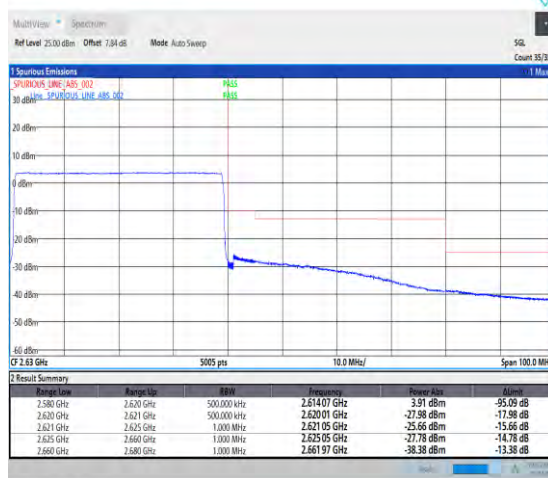
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18:45:44 27.05.2023

1-N38-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@
105-1--PASS-see graph



18:47:01 27.05.2023

1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106
@0-1--PASS-see graph



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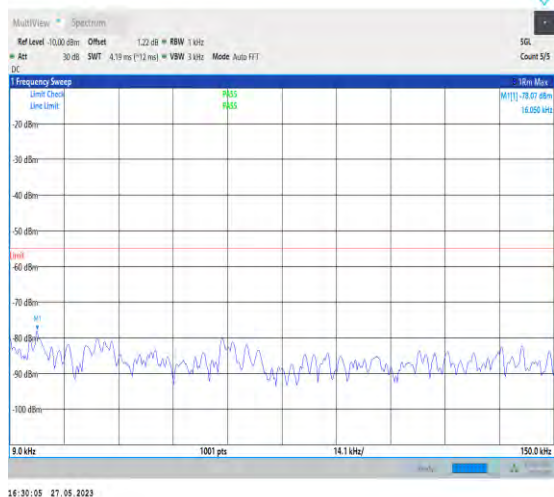
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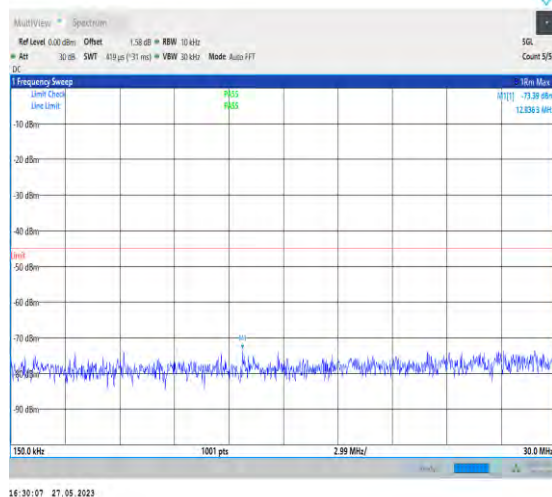
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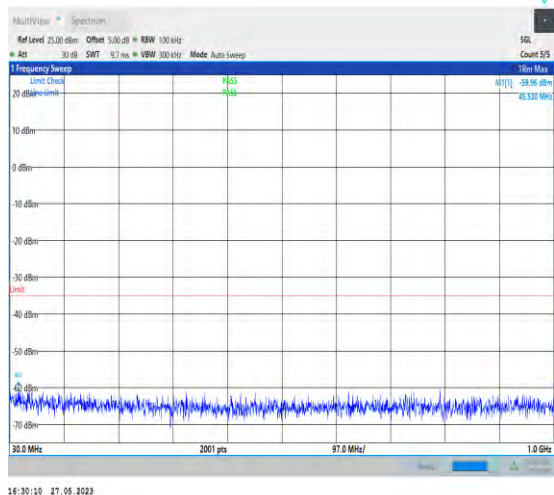
Test Graphs



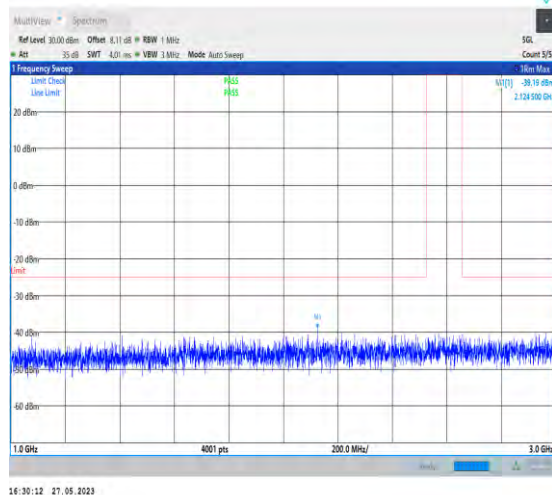
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1-N38-PC3-30-40-L-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-30-1000-45.52--59.96--35-PASS



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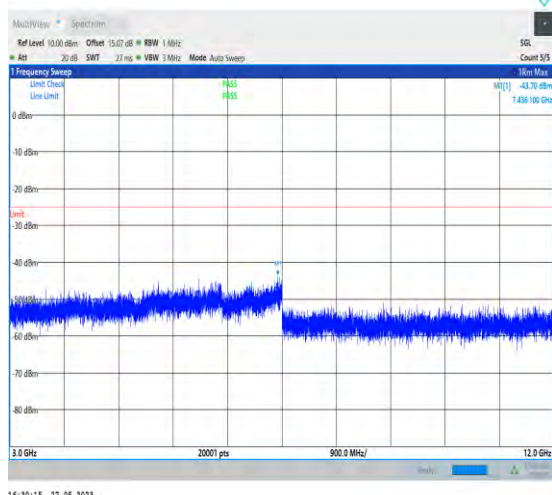
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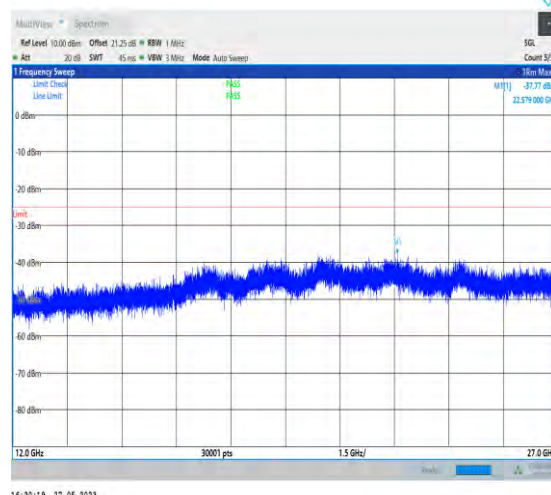
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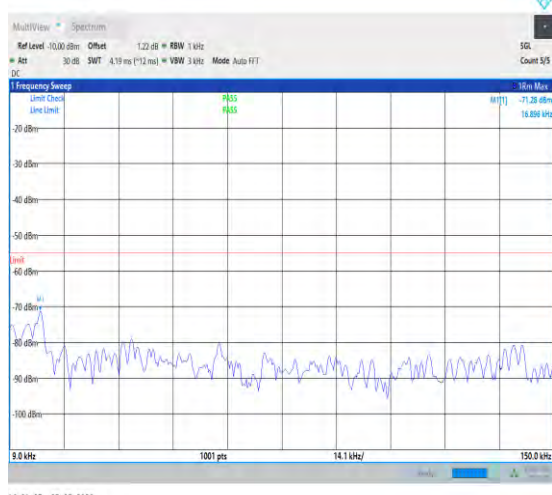
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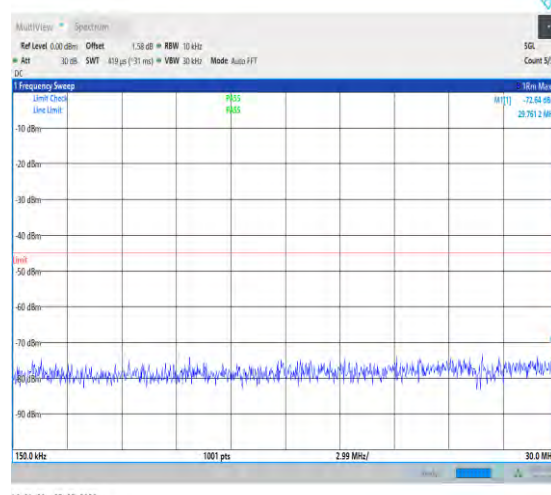
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16:31:27 27.05.2023

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16:31:30 27.05.2023

1-N38-PC3-30-40-M-1-N/A-DFT-PI2BPSK-Inner_1RB
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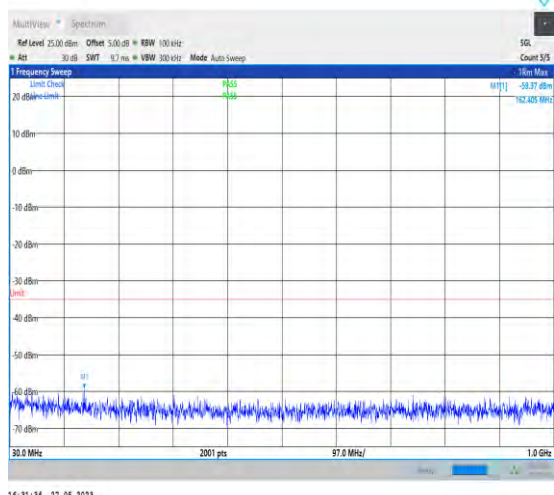
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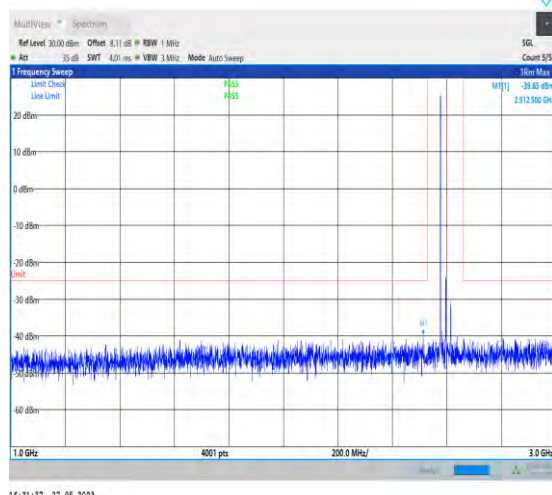
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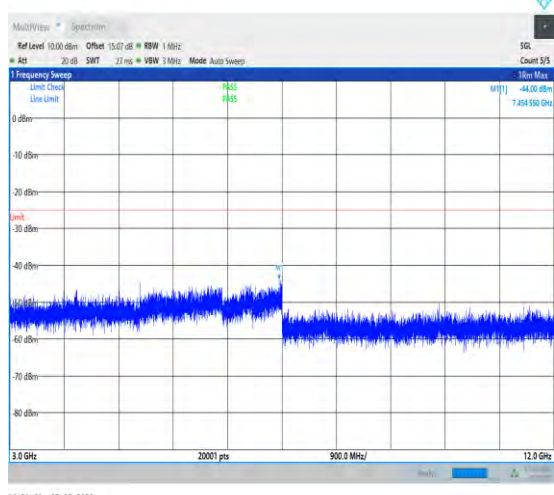
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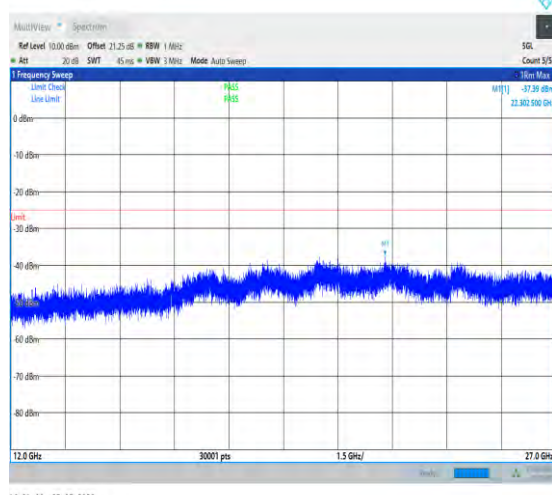
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16:31:40 27.05.2023

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16:31:44 27.05.2023

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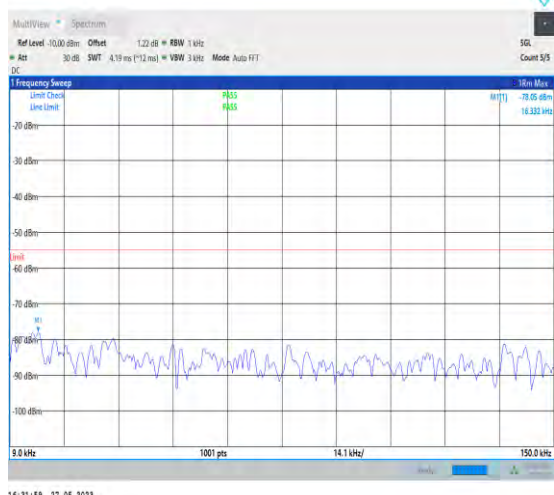
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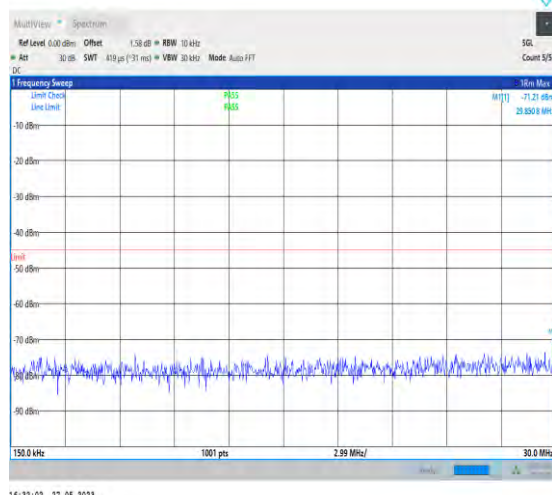
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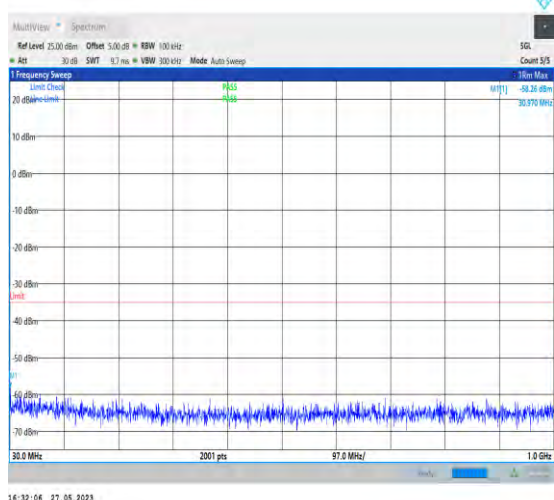
Page: 47 of 59



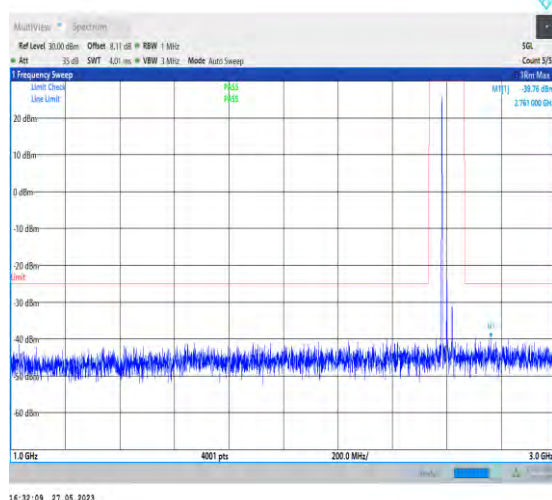
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1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-0.15-30-29.85--71.21--45-PASS



1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-30-1000-30.97--58.26--35-PASS



1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-1000-3000-2761.00--39.76--25-PASS



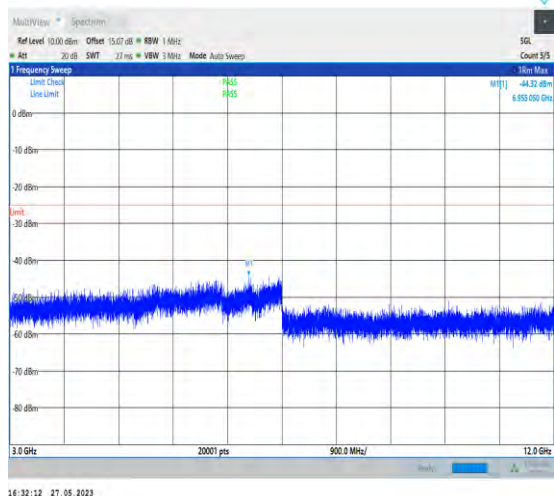
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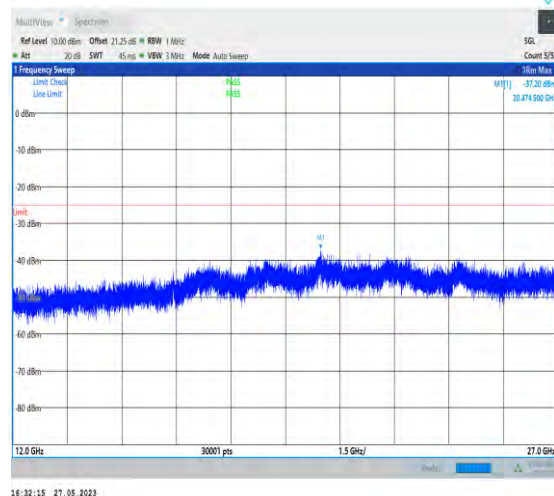
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1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-3000-12000-6955.05--44.32--25-PASS



1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-12000-27000-20474.50--37.20--25-PASS



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Field Strength of Spurious Radiation

Test Band = n38_40MHz _ TM1

Test Channel = Low ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5144.1800	40.76	-45.33	32.96	-66.87	-25.00	41.87	244	306	Horizontal
2	6314.5	41.81	-44.52	34.44	-63.53	-25.00	38.53	175	54	Horizontal
3	7716.2700	39.02	-42.99	36.62	-62.61	-25.00	37.61	142	180	Horizontal
4	10288.3600	33.78	-39.14	38.83	-61.79	-25.00	36.79	186	252	Horizontal
5	12860.4500	29.40	-37.00	39.69	-63.17	-25.00	38.17	192	306	Horizontal
6	15432.5400	27.99	-34.11	38.67	-62.71	-25.00	37.71	158	36	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4288	43.37	-45.57	31.28	-66.18	-25.00	41.18	211	18	Vertical
2	5144.1800	40.58	-45.33	32.96	-67.05	-25.00	42.05	123	197	Vertical
3	7716.2700	39.09	-42.99	36.62	-62.54	-25.00	37.54	265	342	Vertical
4	10288.3600	33.52	-39.14	38.83	-62.05	-25.00	37.05	148	287	Vertical
5	12860.4500	29.75	-37.00	39.69	-62.82	-25.00	37.82	185	181	Vertical
6	15432.5400	27.13	-34.11	38.67	-63.57	-25.00	38.57	189	162	Vertical



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Test Band = n38_40MHz _ TM1
Test Channel = Mid ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5154.1800	40.44	-45.32	32.96	-67.18	-25.00	42.18	248	90	Horizontal
2	6700	42.29	-43.81	35.64	-61.14	-25.00	36.14	142	90	Horizontal
3	7731.2700	38.90	-42.86	36.65	-62.58	-25.00	37.58	196	352	Horizontal
4	10308.3600	32.47	-39.08	38.84	-63.04	-25.00	38.04	158	4	Horizontal
5	12885.4500	29.22	-37.07	39.72	-63.39	-25.00	38.39	152	342	Horizontal
6	15462.5400	27.60	-34.67	38.62	-63.71	-25.00	38.71	156	163	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4083	43.54	-45.81	30.92	-66.60	-25.00	41.60	241	2	Vertical
2	5154.1800	40.83	-45.32	32.96	-66.79	-25.00	41.79	175	89	Vertical
3	7731.2700	38.80	-42.86	36.65	-62.68	-25.00	37.68	148	0	Vertical
4	10308.3600	33.08	-39.08	38.84	-62.43	-25.00	37.43	182	1	Vertical
5	12885.4500	29.76	-37.07	39.72	-62.85	-25.00	37.85	193	124	Vertical
6	15462.5400	28.34	-34.67	38.62	-62.97	-25.00	37.97	126	288	Vertical



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Test Band = n38_40MHz _ TM1
Test Channel = High ANT12

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4745.5	43.53	-45.57	32.15	-65.15	-25.00	40.15	274	307	Horizontal
2	5164.1800	41.32	-45.31	32.97	-66.28	-25.00	41.28	158	360	Horizontal
3	7746.2700	39.13	-42.74	36.68	-62.20	-25.00	37.20	186	180	Horizontal
4	10328.3600	33.16	-39.07	38.84	-62.33	-25.00	37.33	145	54	Horizontal
5	12910.4500	29.66	-37.13	39.74	-62.99	-25.00	37.99	186	18	Horizontal
6	15492.5400	26.72	-35.24	38.58	-65.19	-25.00	40.19	253	108	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4418	43.46	-45.80	31.53	-66.07	-25.00	41.07	199	1	Vertical
2	5164.1800	41.19	-45.31	32.97	-66.41	-25.00	41.41	184	356	Vertical
3	7746.2700	39.73	-42.74	36.68	-61.60	-25.00	36.60	172	356	Vertical
4	10328.3600	33.97	-39.07	38.84	-61.52	-25.00	36.52	153	0	Vertical
5	12910.4500	30.05	-37.13	39.74	-62.60	-25.00	37.60	216	127	Vertical
6	15492.5400	27.12	-35.24	38.58	-64.79	-25.00	39.79	145	324	Vertical



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Test Band = NSA 4A-n38A_ TM1
Test Channel = Low

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4383	42.94	-45.77	31.48	-66.62	-25.00	41.62	211	51	Horizontal
2	5144.1800	39.93	-45.33	32.96	-67.70	-25.00	42.70	175	359	Horizontal
3	7716.2700	38.17	-42.99	36.62	-63.46	-25.00	38.46	186	306	Horizontal
4	10288.3600	30.05	-39.14	38.83	-65.52	-25.00	40.52	153	340	Horizontal
5	12860.4500	26.86	-37.00	39.69	-65.71	-25.00	40.71	261	214	Horizontal
6	15432.5400	25.33	-34.11	38.67	-65.37	-25.00	40.37	195	142	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3922.5	43.78	-46.23	30.62	-67.09	-25.00	42.09	148	126	Vertical
2	5144.1800	40.59	-45.33	32.96	-67.04	-25.00	42.04	175	181	Vertical
3	7716.2700	37.32	-42.99	36.62	-64.31	-25.00	39.31	196	309	Vertical
4	10288.3600	30.66	-39.14	38.83	-64.91	-25.00	39.91	158	236	Vertical
5	12860.4500	26.75	-37.00	39.69	-65.82	-25.00	40.82	142	54	Vertical
6	15432.5400	25.23	-34.11	38.67	-65.47	-25.00	40.47	156	126	Vertical



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Test Band = NSA 4A-n38A_ TM1
Test Channel = Mid

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5154.1800	40.09	-45.32	32.96	-67.53	-25.00	42.53	244	360	Horizontal
2	6045	41.45	-44.66	34.15	-64.32	-25.00	39.32	147	325	Horizontal
3	7731.2700	37.54	-42.86	36.65	-63.94	-25.00	38.94	175	161	Horizontal
4	10308.3600	30.89	-39.08	38.84	-64.62	-25.00	39.62	166	270	Horizontal
5	12885.4500	26.58	-37.07	39.72	-66.03	-25.00	41.03	236	161	Horizontal
6	15462.5400	24.56	-34.67	38.62	-66.75	-25.00	41.75	259	358	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4105.5	42.98	-45.76	30.96	-67.08	-25.00	42.08	186	19	Vertical
2	5154.1800	40.28	-45.32	32.96	-67.34	-25.00	42.34	158	182	Vertical
3	7731.2700	37.65	-42.86	36.65	-63.83	-25.00	38.83	142	90	Vertical
4	10308.3600	30.02	-39.08	38.84	-65.49	-25.00	40.49	192	128	Vertical
5	12885.4500	26.88	-37.07	39.72	-65.73	-25.00	40.73	174	163	Vertical
6	15462.5400	24.59	-34.67	38.62	-66.72	-25.00	41.72	166	1	Vertical



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Test Band = NSA 4A-n38A_ TM1

Test Channel = High

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4225.5	42.67	-45.71	31.15	-67.15	-25.00	42.15	211	4	Horizontal
2	5164.1800	39.64	-45.31	32.97	-67.96	-25.00	42.96	158	160	Horizontal
3	7746.2700	37.82	-42.74	36.68	-63.51	-25.00	38.51	146	4	Horizontal
4	10328.3600	30.38	-39.07	38.84	-65.11	-25.00	40.11	183	352	Horizontal
5	12910.4500	26.92	-37.13	39.74	-65.73	-25.00	40.73	263	251	Horizontal
6	15492.5400	24.52	-35.24	38.58	-67.39	-25.00	42.39	251	352	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5164.1800	40.87	-45.31	32.97	-66.73	-25.00	41.73	147	142	Vertical
2	6316	41.63	-44.52	34.44	-63.71	-25.00	38.71	184	343	Vertical
3	7746.2700	38.08	-42.74	36.68	-63.25	-25.00	38.25	186	72	Vertical
4	10328.3600	30.24	-39.07	38.84	-65.25	-25.00	40.25	126	181	Vertical
5	12910.4500	26.59	-37.13	39.74	-66.06	-25.00	41.06	259	307	Vertical
6	15492.5400	24.23	-35.24	38.58	-67.68	-25.00	42.68	135	72	Vertical



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Test Band = NSA 66A-n38A_ TM1
Test Channel = Low

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5144.1800	40.97	-45.33	31.75	-67.87	-25.00	42.87	199	0	Horizontal
2	6156	42.16	-44.62	33.20	-64.52	-25.00	39.52	184	0	Horizontal
3	7716.2700	39.93	-42.99	36.69	-61.63	-25.00	36.63	175	71	Horizontal
4	10288.3600	34.88	-39.14	38.34	-61.17	-25.00	36.17	165	324	Horizontal
5	12860.4500	33.15	-37.00	39.06	-60.05	-25.00	35.05	142	18	Horizontal
6	15432.5400	32.12	-34.11	40.39	-56.86	-25.00	31.86	120	160	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4020	44.28	-45.98	29.15	-67.82	-25.00	42.82	211	200	Vertical
2	5144.1800	41.23	-45.33	31.75	-67.61	-25.00	42.61	148	108	Vertical
3	7716.2700	39.42	-42.99	36.69	-62.14	-25.00	37.14	175	216	Vertical
4	10288.3600	34.79	-39.14	38.34	-61.26	-25.00	36.26	153	36	Vertical
5	12860.4500	32.90	-37.00	39.06	-60.30	-25.00	35.30	256	17	Vertical
6	15432.5400	33.38	-34.11	40.39	-55.60	-25.00	30.60	299	358	Vertical



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Test Band = NSA 66A-n38A_ TM1
Test Channel = Mid

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4062.5	43.73	-45.87	29.25	-68.15	-25.00	43.15	187	35	Horizontal
2	5154.1800	41.77	-45.32	31.77	-67.04	-25.00	42.04	175	127	Horizontal
3	7731.2700	40.23	-42.86	36.69	-61.20	-25.00	36.20	146	163	Horizontal
4	10308.3600	34.69	-39.08	38.35	-61.30	-25.00	36.30	153	110	Horizontal
5	12885.4500	32.96	-37.07	39.07	-60.30	-25.00	35.30	255	8	Horizontal
6	15462.5400	32.38	-34.67	40.33	-57.23	-25.00	32.23	169	35	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5154.1800	41.39	-45.32	31.77	-67.42	-25.00	42.42	177	360	Vertical
2	6335.5	42.82	-44.49	33.77	-63.16	-25.00	38.16	165	90	Vertical
3	7731.2700	40.35	-42.86	36.69	-61.08	-25.00	36.08	185	360	Vertical
4	10308.3600	33.71	-39.08	38.35	-62.28	-25.00	37.28	144	325	Vertical
5	12885.4500	32.90	-37.07	39.07	-60.36	-25.00	35.36	136	306	Vertical
6	15462.5400	31.27	-34.67	40.33	-58.34	-25.00	33.34	259	126	Vertical



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Test Band = NSA 66A-n38A_ TM1
Test Channel = High

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5164.1800	41.20	-45.31	31.79	-67.58	-25.00	42.58	248	179	Horizontal
2	6333	42.23	-44.50	33.77	-63.76	-25.00	38.76	174	53	Horizontal
3	7746.2700	40.56	-42.74	36.70	-60.74	-25.00	35.74	199	124	Horizontal
4	10328.3600	34.81	-39.07	38.36	-61.15	-25.00	36.15	186	162	Horizontal
5	12910.4500	32.33	-37.13	39.07	-60.99	-25.00	35.99	142	142	Horizontal
6	15492.5400	30.79	-35.24	40.26	-59.44	-25.00	34.44	130	142	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5164.1800	40.84	-45.31	31.79	-67.94	-25.00	42.94	188	3	Vertical
2	6794.5	43.48	-44.15	34.83	-61.10	-25.00	36.10	174	198	Vertical
3	7746.2700	39.76	-42.74	36.70	-61.54	-25.00	36.54	156	126	Vertical
4	10328.3600	34.33	-39.07	38.36	-61.63	-25.00	36.63	192	54	Vertical
5	12910.4500	32.15	-37.13	39.07	-61.17	-25.00	36.17	158	352	Vertical
6	15492.5400	30.62	-35.24	40.26	-59.61	-25.00	34.61	147	306	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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-14.200000	-0.006352	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.600000	0.000368	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	1.500000	0.000685	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	-1.500000	-0.000663	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.500000	0.00563	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-4.200000	-0.001635	PASS



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Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.500000	-0.000036	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.600000	-0.000236	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.200000	-0.00354	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	8.700000	0.003436	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.200000	-0.002396	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.500000	-0.002365	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.300000	-0.000156	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.400000	-0.001279	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.500000	-0.000487	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	-2.300000	-0.003618	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	-3.500000	-0.001126	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	-7.800000	-0.002344	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	4.500000	0.001480	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	-4.500000	-0.002311	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	-3.500000	-0.001356	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	0.800000	0.000265	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	-1.500000	-0.000521	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	-5.500000	-0.002032	PASS

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