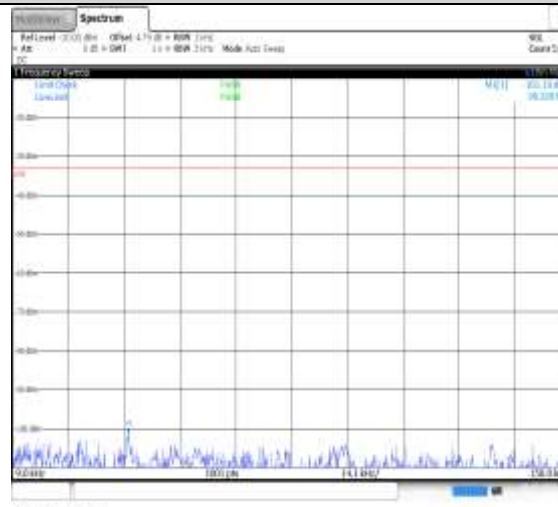
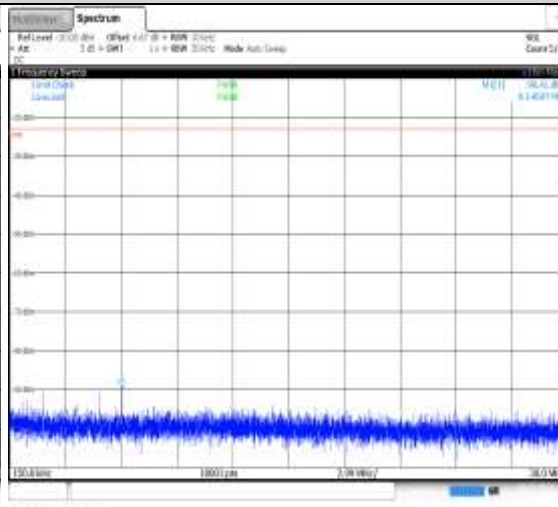
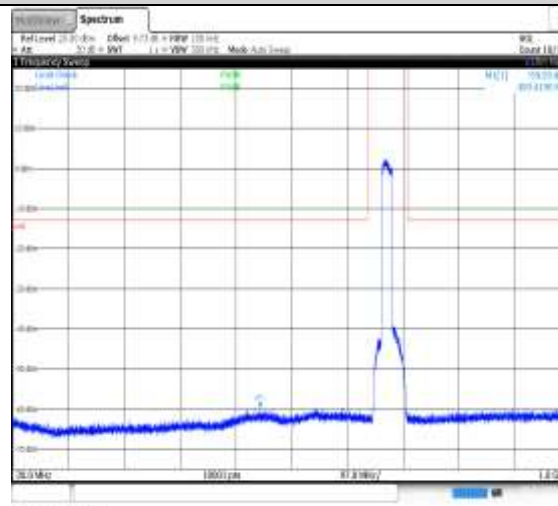
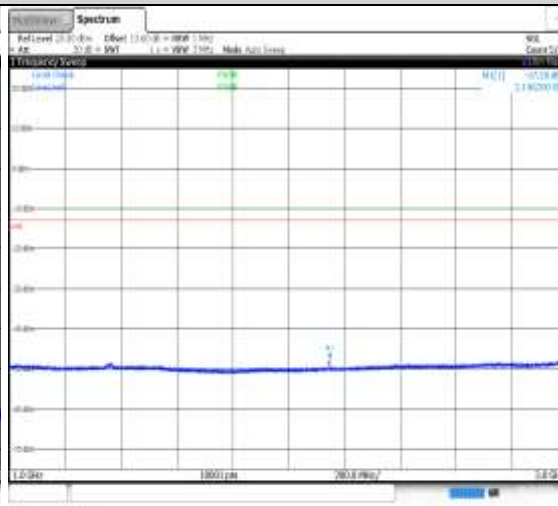
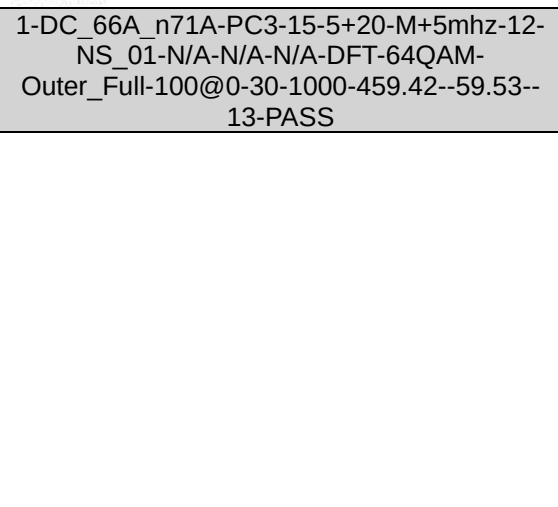
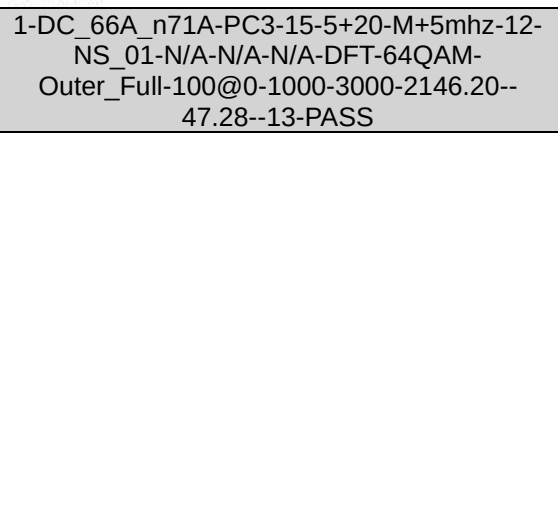
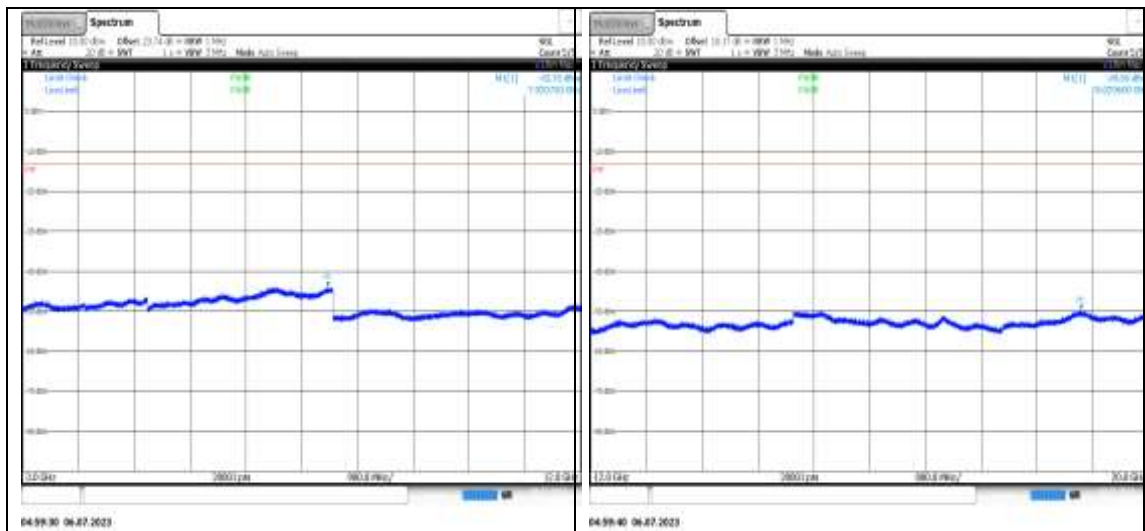
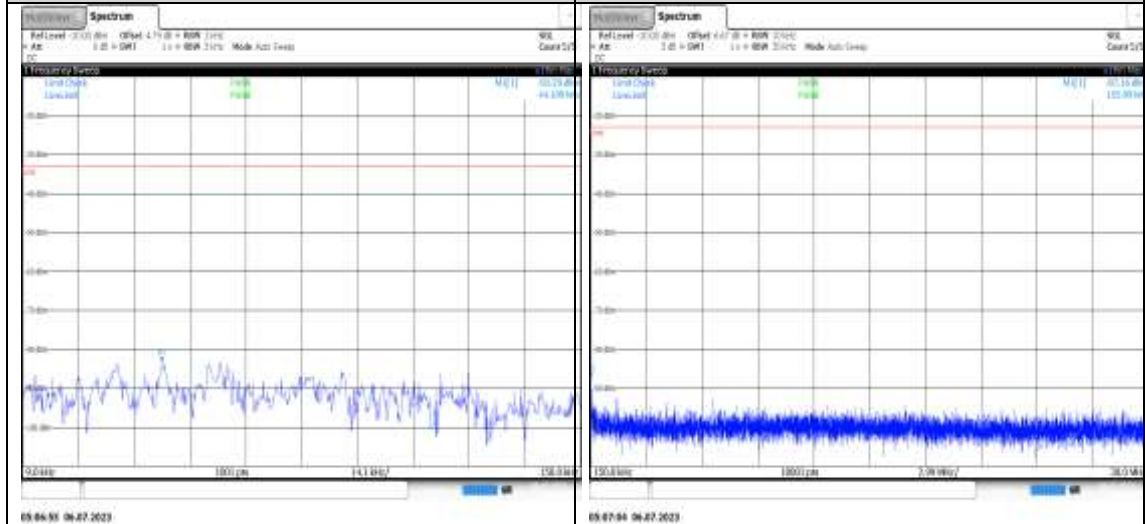


1-DC_66A_n71A-PC3-15-5+20-M+5mhz-11-NS_01-N/A-N/A-N/A-DFT-64QAM-Edge_1RB_Right-1@105-3000-12000-7996.80--43.73--13-PASS  04:56:45 06.27.2023	1-DC_66A_n71A-PC3-15-5+20-M+5mhz-11-NS_01-N/A-N/A-N/A-DFT-64QAM-Edge_1RB_Right-1@105-12000-20000-19022.40--49.72--13-PASS  04:56:54 06.27.2023
1-DC_66A_n71A-PC3-15-5+20-M+5mhz-12-NS_01-N/A-N/A-N/A-DFT-64QAM-Outter_Full-100@0-0.009-0.15-0.04--101.19--33-PASS  04:59:09 06.27.2023	1-DC_66A_n71A-PC3-15-5+20-M+5mhz-12-NS_01-N/A-N/A-N/A-DFT-64QAM-Outter_Full-100@0-0.15-30-6.15--90.41--23-PASS  04:59:19 06.27.2023
1-DC_66A_n71A-PC3-15-5+20-M+5mhz-12-NS_01-N/A-N/A-N/A-DFT-64QAM-Outter_Full-100@0-30-1000-459.42--59.53--13-PASS 	1-DC_66A_n71A-PC3-15-5+20-M+5mhz-12-NS_01-N/A-N/A-N/A-DFT-64QAM-Outter_Full-100@0-1000-3000-2146.20--47.28--13-PASS 



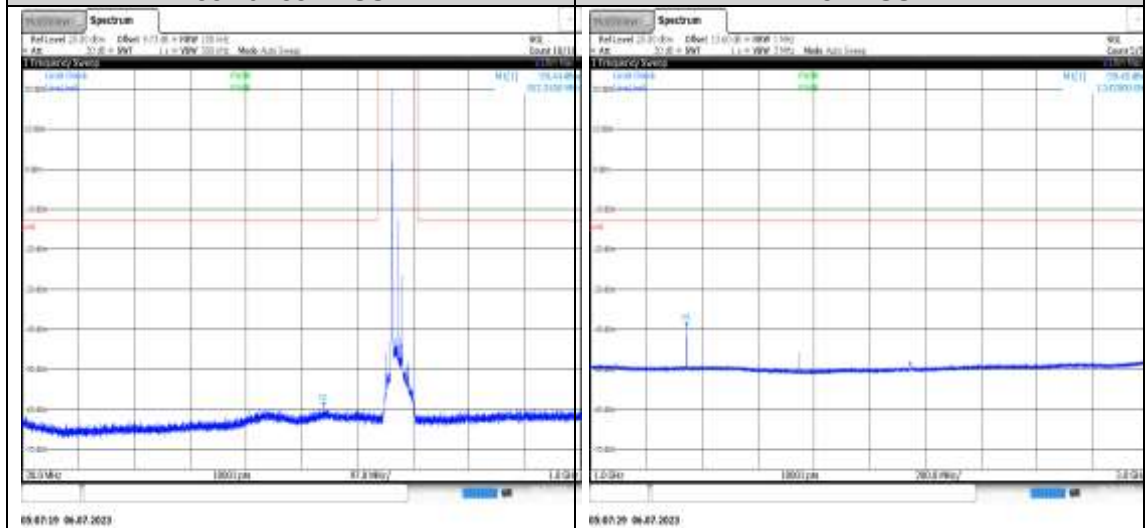
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NS_01-N/A-N/A-N/A-DFT-64QAM-
Outer_Full-100@0-3000-12000-7920.75--
43.75--13-PASS

1-DC_66A_n71A-PC3-15-5+20-M+5mhz-12-
NS_01-N/A-N/A-N/A-DFT-64QAM-
Outer_Full-100@0-12000-20000-19029.60--
49.56--13-PASS

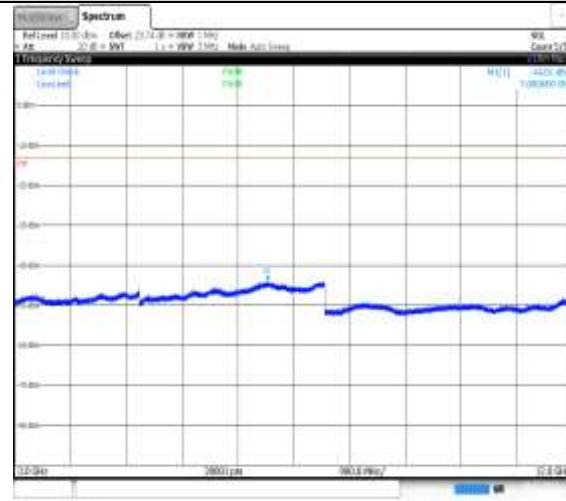


1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-0.009-0.15-0.04--
83.29--33-PASS

1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-0.15-30-0.15--87.16--
23-PASS

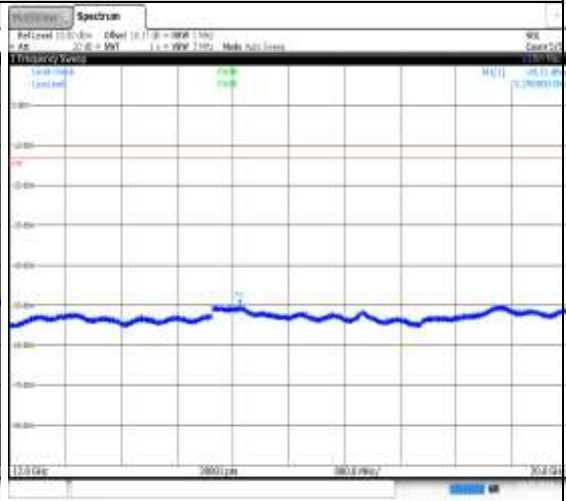


1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-30-1000-552.35--
59.44--13-PASS



1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-3000-12000-7080.60--
44.01--13-PASS

1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-1000-3000-1342.00--
39.45--13-PASS



1-DC_66A_n71A-PC3-15-5+20-M+5mhz-13-
NS_01-N/A-N/A-N/A-DFT-256QAM-
Edge_1RB_Left-1@0-12000-20000-
15298.80--49.71--13-PASS

Appendix F: Frequency Stability for NSA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+L	Outer_Full	VN	NT	2.26	0.0009	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+L	Outer_Full	VN	NT	-6.52	-0.0026	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+L	Outer_Full	VN	NT	0.06	0.0000	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+L	Outer_Full	VN	NT	-1.89	-0.0007	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+L	Outer_Full	VN	NT	-1.04	-0.0004	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	VN	NT	-4.56	-0.0018	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	VN	NT	2.33	0.0009	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+L	Outer_Full	VN	NT	-0.35	-0.0001	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+L	Outer_Full	VN	NT	1.88	0.0007	PASS
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	VN	NT	1.02	0.0004	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	VN	NT	0.25	0.0001	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	VN	NT	4.73	0.0018	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	VN	NT	-0.18	-0.0001	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	VN	NT	74.19	0.0286	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	VN	NT	3.49	0.0013	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	VN	NT	1.57	0.0006	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	VN	NT	-1.97	-0.0008	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	VN	NT	-7.55	-0.0029	PASS
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+H	Outer_Full	VN	NT	227.19	0.0860	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+H	Outer_Full	VN	NT	1.25	0.0005	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+H	Outer_Full	VN	NT	-0.62	-0.0002	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+H	Outer_Full	VN	NT	-5.08	-0.0019	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+H	Outer_Full	VN	NT	-3.77	-0.0014	PASS

DC_2A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	VN	NT	-0.98	-0.0004	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	VN	NT	-2.83	-0.0011	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+H	Outer_Full	VN	NT	1.60	0.0006	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+H	Outer_Full	VN	NT	0.19	0.0001	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+L	Outer_Full	VN	NT	-0.51	-0.0008	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.55	-0.0038	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-3.54	-0.0053	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+L	Outer_Full	VN	NT	-2.85	-0.0042	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+L	Outer_Full	VN	NT	-5.23	-0.0078	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-1.56	-0.0023	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-4.01	-0.0060	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+L	Outer_Full	VN	NT	-3.21	-0.0048	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+L	Outer_Full	VN	NT	-3.62	-0.0054	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	VN	NT	-2.71	-0.0040	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-3.61	-0.0053	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-4.49	-0.0066	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	VN	NT	-3.99	-0.0060	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	VN	NT	-4.35	-0.0064	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-3.91	-0.0057	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-0.41	-0.0006	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	VN	NT	-1.33	-0.0020	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	VN	NT	-1.32	-0.0019	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+H	Outer_Full	VN	NT	-801.76	-1.1653	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-2.75	-0.0040	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.28	-0.0033	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+H	Outer_Full	VN	NT	-1.71	-0.0025	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+H	Outer_Full	VN	NT	-3.42	-0.0050	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-5.40	-0.0078	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	-0.45	-0.0007	PASS

DC_2A_n71A	15	5+20	CP-64QAM	M+H	Outer_Full	VN	NT	-1.74	-0.0025	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+H	Outer_Full	VN	NT	-4.30	-0.0063	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+L	Outer_Full	VN	NT	-2.18	-0.0009	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+L	Outer_Full	VN	NT	1.32	0.0005	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+L	Outer_Full	VN	NT	-2.00	-0.0008	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+L	Outer_Full	VN	NT	-5.23	-0.0021	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+L	Outer_Full	VN	NT	-7.26	-0.0029	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	VN	NT	-0.35	-0.0001	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	VN	NT	-1.26	-0.0005	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+L	Outer_Full	VN	NT	-3.92	-0.0015	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+L	Outer_Full	VN	NT	-2.53	-0.0010	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	VN	NT	-0.17	-0.0001	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	VN	NT	13.47	0.0061	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	VN	NT	-3.94	-0.0015	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	VN	NT	-4.59	-0.0018	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	VN	NT	25.09	0.010	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	VN	NT	-0.68	-0.0003	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	VN	NT	-1.63	-0.0006	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	VN	NT	1.90	0.0007	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	VN	NT	-5.27	-0.0020	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+H	Outer_Full	VN	NT	-3.51	-0.0013	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+H	Outer_Full	VN	NT	2.04	0.0008	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.94	-0.0011	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+H	Outer_Full	VN	NT	-3.53	-0.0013	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+H	Outer_Full	VN	NT	-3.62	-0.0014	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	VN	NT	-0.23	-0.0001	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	VN	NT	-1.13	-0.0004	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+H	Outer_Full	VN	NT	-4.56	-0.0017	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+H	Outer_Full	VN	NT	-2.92	-0.0011	PASS

DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+L	Outer_Full	VN	NT	-1.64	-0.0024	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	VN	NT	-2.43	-0.0036	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	VN	NT	-1.91	-0.0028	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+L	Outer_Full	VN	NT	-3.50	-0.0052	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+L	Outer_Full	VN	NT	-3.16	-0.0047	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	VN	NT	-3.01	-0.0045	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	VN	NT	-1.19	-0.0018	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+L	Outer_Full	VN	NT	-5.39	-0.0080	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+L	Outer_Full	VN	NT	38.18	0.0531	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	VN	NT	-2.47	-0.0036	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	VN	NT	-5.01	-0.0074	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	VN	NT	-0.33	-0.0005	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	VN	NT	-2.31	-0.0034	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	VN	NT	-2.56	-0.0038	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	VN	NT	-5.22	-0.0077	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	VN	NT	-3.02	-0.0044	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	VN	NT	-1.79	-0.0026	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	VN	NT	-3.23	-0.0047	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+H	Outer_Full	VN	NT	-3.37	-0.0049	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	VN	NT	-0.72	-0.0010	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	VN	NT	-2.90	-0.0042	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+H	Outer_Full	VN	NT	-2.69	-0.0039	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+H	Outer_Full	VN	NT	0.67	0.0010	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	VN	NT	-1.15	-0.0017	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	VN	NT	-3.05	-0.0044	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+H	Outer_Full	VN	NT	-4.38	-0.0064	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+H	Outer_Full	VN	NT	-0.17	-0.0002	PASS

Frequency Error VS. Temperature

Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+L	Outer_Full	NV	TN	0.909634	0.000357	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	TN	-3.290572	-0.001292	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	TN	1.153543	0.000453	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+L	Outer_Full	NV	TN	-5.323975	-0.002113	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+L	Outer_Full	NV	TN	-5.216139	-0.002049	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	NV	TN	-5.606337	-0.002202	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	NV	TN	-0.705140	-0.000277	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+L	Outer_Full	NV	TN	-1.208092	-0.000475	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+L	Outer_Full	NV	TN	-0.325869	-0.000128	PASS
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	NV	TN	3.917782	0.001511	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	TN	-0.901604	-0.000348	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	TN	0.331385	0.000128	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	NV	TN	-0.392283	-0.000151	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	NV	TN	-4.316142	-0.001665	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	NV	TN	0.448292	0.000173	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	NV	TN	-2.691127	-0.001038	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	NV	TN	-2.976464	-0.001148	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	NV	TN	-5.769697	-0.002225	PASS
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+H	Outer_Full	NV	TN	-3.768208	-0.001427	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	TN	-1.306713	-0.000495	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	TN	-2.360436	-0.000894	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+H	Outer_Full	NV	TN	-1.862212	-0.000705	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+H	Outer_Full	NV	TN	-5.305430	-0.002010	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	NV	TN	0.393845	0.000149	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	NV	TN	-6.746277	-0.002555	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+H	Outer_Full	NV	TN	2.717095	0.001029	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+H	Outer_Full	NV	TN	-1.429704	-0.000542	PASS

n41A										
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+L	Outer_Full	NV	TN	-10.504951	-0.015609	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	TN	-1.845572	-0.002742	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	TN	-3.709648	-0.005512	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+L	Outer_Full	NV	TN	-2.647440	-0.003934	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+L	Outer_Full	NV	TN	-4.436504	-0.006592	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-3.532371	-0.005249	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	-4.124469	-0.006128	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+L	Outer_Full	NV	TN	-2.974164	-0.004419	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+L	Outer_Full	NV	TN	-5.037767	-0.007486	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	NV	TN	-2.236161	-0.003286	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	TN	-3.328231	-0.004891	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	TN	-4.065534	-0.005974	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	NV	TN	-0.004667	-0.000007	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	NV	TN	-2.868912	-0.004216	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-2.482925	-0.003649	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-1.165851	-0.001713	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	NV	TN	-4.999941	-0.007347	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	NV	TN	-2.858209	-0.004200	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+H	Outer_Full	NV	TN	14.646729	0.002153	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	TN	-4.188275	-0.006088	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	TN	-3.295994	-0.004791	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+H	Outer_Full	NV	TN	-4.604624	-0.006693	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+H	Outer_Full	NV	TN	-1.489724	-0.002165	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-3.024133	-0.004396	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-2.089135	-0.003037	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+H	Outer_Full	NV	TN	-2.910486	-0.004230	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+H	Outer_Full	NV	TN	-3.832831	-0.005571	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+L	Outer_Full	NV	TN	-1.111869	-0.000437	PASS

DC_66A_n41A	30	5+100	DFT-QPSK	M+L	Outer_Full	NV	TN	0.559140	0.000220	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+L	Outer_Full	NV	TN	-2.967030	-0.001165	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+L	Outer_Full	NV	TN	1.289532	0.000506	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+L	Outer_Full	NV	TN	-3.036601	-0.001193	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+L	Outer_Full	NV	TN	3.680349	0.001446	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+L	Outer_Full	NV	TN	-3.312564	-0.001301	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+L	Outer_Full	NV	TN	-1.384763	-0.000544	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+L	Outer_Full	NV	TN	-1.550343	-0.000609	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	NV	TN	-3.553317	-0.001370	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	NV	TN	0.042212	0.000016	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	NV	TN	-4.265360	-0.001645	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	NV	TN	1.182133	0.000456	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	NV	TN	-5.866490	-0.002262	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	NV	TN	0.084965	0.000033	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	NV	TN	-0.061859	-0.000024	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	NV	TN	-4.323354	-0.001667	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	NV	TN	0.792962	0.000306	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+H	Outer_Full	NV	TN	-4.986444	-0.001889	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+H	Outer_Full	NV	TN	2.193634	0.000831	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+H	Outer_Full	NV	TN	1.300411	0.000493	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+H	Outer_Full	NV	TN	-5.871817	-0.002224	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+H	Outer_Full	NV	TN	-1.378334	-0.000522	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+H	Outer_Full	NV	TN	34.039002	0.01311	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+H	Outer_Full	NV	TN	-5.204774	-0.001972	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+H	Outer_Full	NV	TN	1.147223	0.000435	PASS
DC_66A_n41A	30	5+100	CP-256QAM	M+H	Outer_Full	NV	TN	-1.912877	-0.000725	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+L	Outer_Full	NV	TN	-2.330977	-0.003464	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+L	Outer_Full	NV	TN	-3.240934	-0.004816	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+L	Outer_Full	NV	TN	-2.477586	-0.003681	PASS

DC_66A_n71A	15	5+20	DFT-64QAM	M+L	Outer_Full	NV	TN	-0.859163	-0.001277	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+L	Outer_Full	NV	TN	-3.264129	-0.004850	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+L	Outer_Full	NV	TN	-1.761268	-0.002617	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+L	Outer_Full	NV	TN	0.880072	0.001308	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+L	Outer_Full	NV	TN	-3.346656	-0.004973	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+L	Outer_Full	NV	TN	-4.621624	-0.006867	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	NV	TN	-2.414440	-0.003548	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	NV	TN	-6.047367	-0.008887	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	NV	TN	-2.684415	-0.003945	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	NV	TN	-3.125383	-0.004593	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	NV	TN	-3.976650	-0.005844	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	NV	TN	-2.913151	-0.004281	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	NV	TN	-4.774556	-0.007016	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	NV	TN	-2.917156	-0.004287	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	NV	TN	-2.878857	-0.004231	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+H	Outer_Full	NV	TN	-3.566154	-0.005183	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+H	Outer_Full	NV	TN	-2.517458	-0.003659	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+H	Outer_Full	NV	TN	-4.075572	-0.005924	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+H	Outer_Full	NV	TN	-3.180351	-0.004623	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+H	Outer_Full	NV	TN	-2.645691	-0.003845	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+H	Outer_Full	NV	TN	-0.177972	-0.000259	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+H	Outer_Full	NV	TN	-0.840534	-0.001222	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+H	Outer_Full	NV	TN	8.405762	0.012223	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+H	Outer_Full	NV	TN	-2.168626	-0.003152	PASS

Appendix F: Modulation characteristics for NSA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
DC_2A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	see graph	PASS
DC_2A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	DFT-PI2BPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	DFT-QPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	DFT-16QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	DFT-64QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	DFT-256QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	CP-QPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	CP-16QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n41A	30	5+100	CP-64QAM	M+M	Outer_Full	see graph	PASS

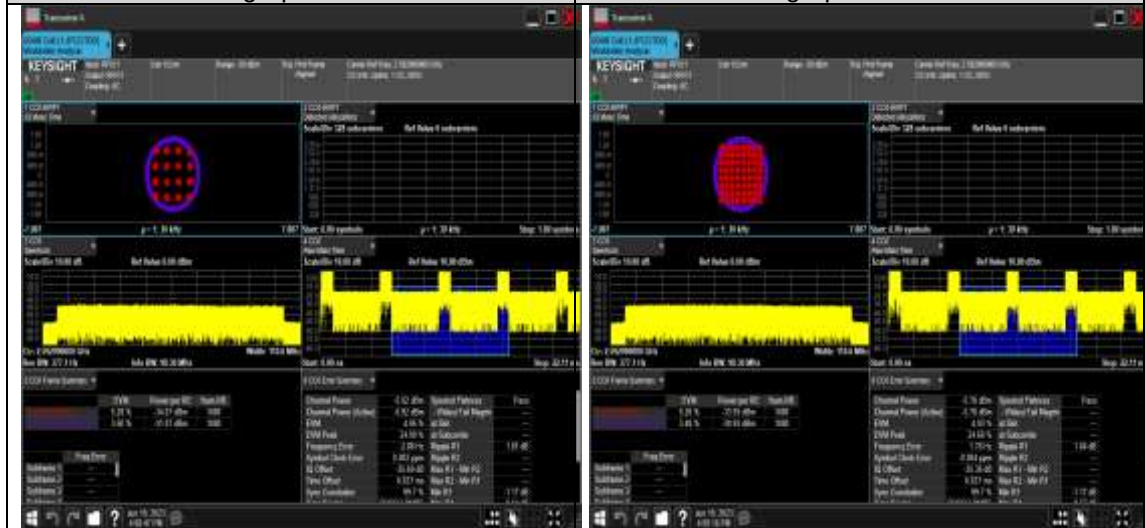
						graph	
DC_66A_n41A	30	5+100	CP-256QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	DFT-QPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	DFT-16QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	DFT-64QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	DFT-256QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	CP-QPSK	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	CP-16QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	CP-64QAM	M+M	Outer_Full	see graph	PASS
DC_66A_n71A	15	5+20	CP-256QAM	M+M	Outer_Full	see graph	PASS

Test Graphs



1-DC_2A_n41A-PC3-30-5+100-M+M-1-N/A-N/A-N/A-DFT-PI2BPSK-Outter_Full-270@0-see graph-PASS

1-DC_2A_n41A-PC3-30-5+100-M+M-2-N/A-N/A-N/A-DFT-QPSK-Outter_Full-270@0-see graph-PASS

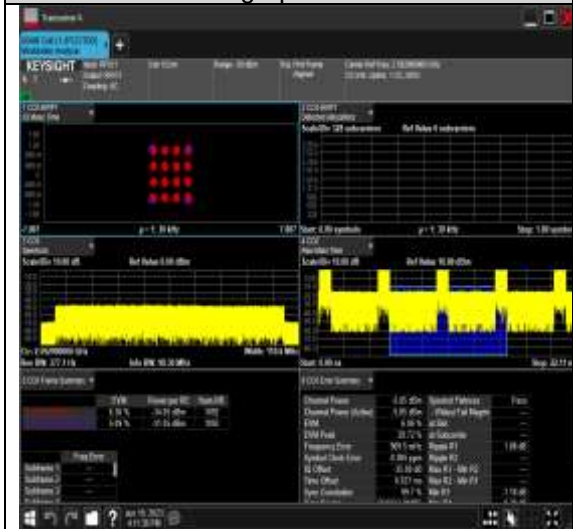


1-DC_2A_n41A-PC3-30-5+100-M+M-3-N/A-N/A-N/A-DFT-16QAM-Outter_Full-270@0-see graph-PASS

1-DC_2A_n41A-PC3-30-5+100-M+M-4-N/A-N/A-N/A-DFT-64QAM-Outter_Full-270@0-see graph-PASS



1-DC_2A_n41A-PC3-30-5+100-M+M-5-N/A-
N/A-N/A-DFT-256QAM-Outer_Full-270@0-
see graph-PASS



1-DC_2A_n41A-PC3-30-5+100-M+M-6-N/A-
N/A-N/A-CP-QPSK-Outer_Full-273@0-see
graph-PASS



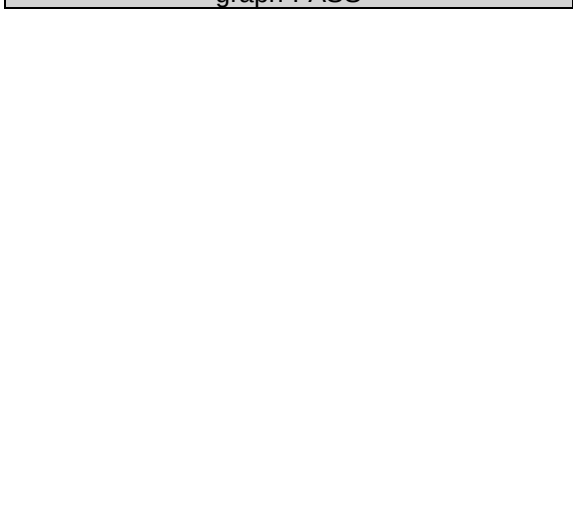
1-DC_2A_n41A-PC3-30-5+100-M+M-7-N/A-
N/A-N/A-CP-16QAM-Outer_Full-273@0-see
graph-PASS



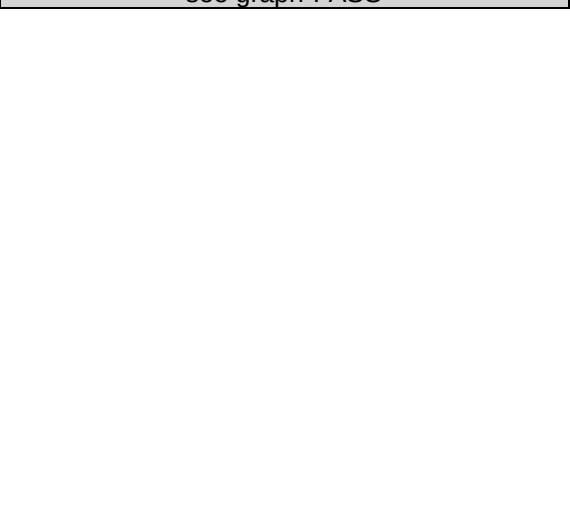
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N/A-N/A-CP-64QAM-Outer_Full-273@0-see
graph-PASS

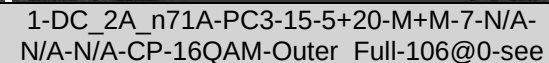
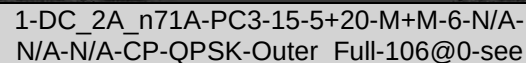
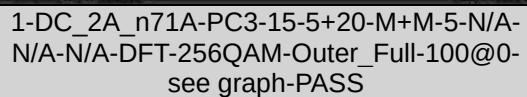
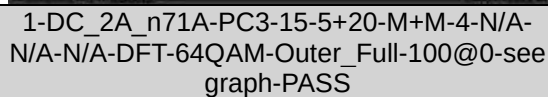
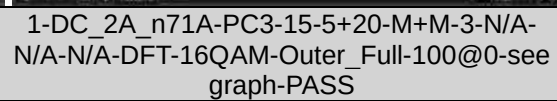
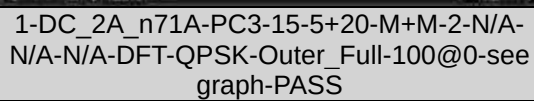


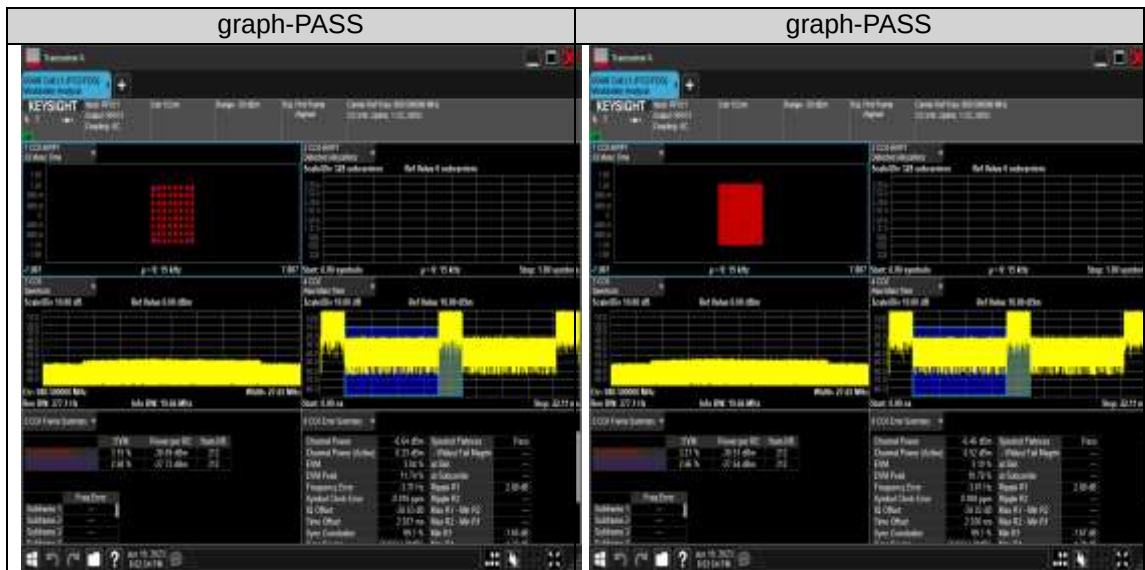
1-DC_2A_n41A-PC3-30-5+100-M+M-9-N/A-
N/A-N/A-CP-256QAM-Outer_Full-273@0-see
graph-PASS



1-DC_2A_n71A-PC3-15-5+20-M+M-1-N/A-
N/A-N/A-DFT-PI2BPSK-Outer_Full-100@0-
see graph-PASS

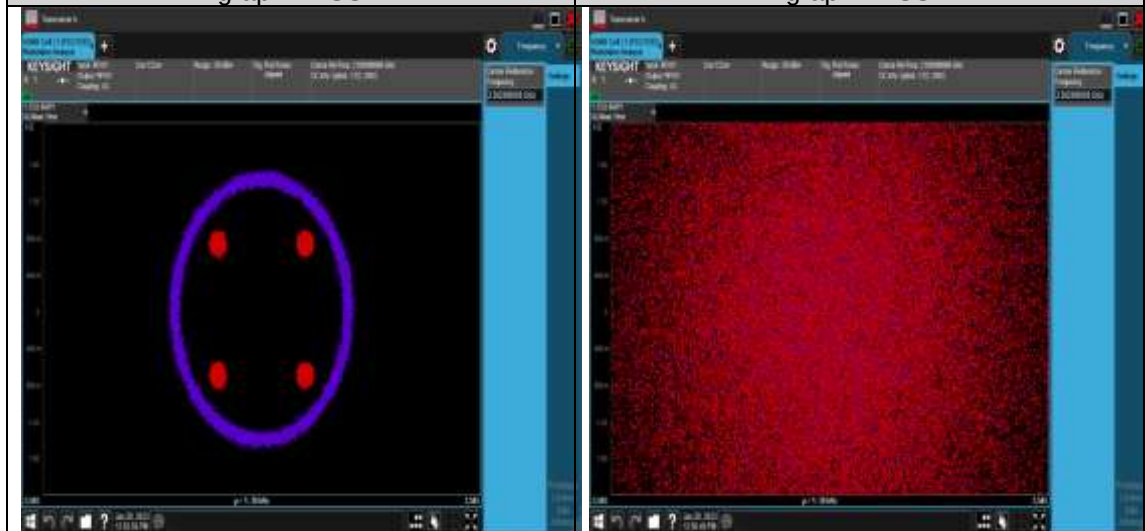






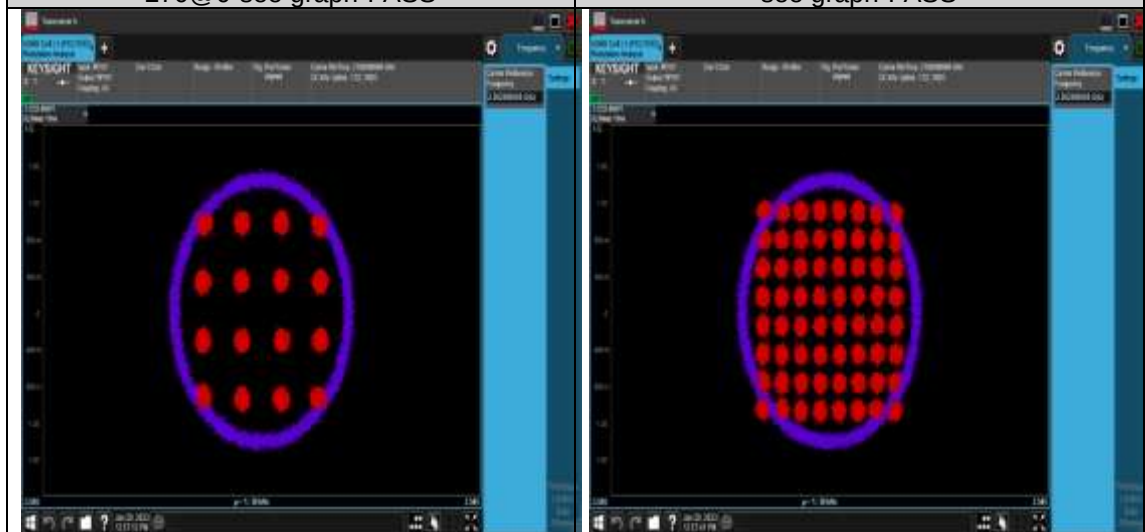
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1-DC_2A_n71A-PC3-15-5+20-M+M-9-N/A-N/A-N/A-CP-256QAM-Outer_Full-106@0-see graph-PASS



1-DC_66A_n41A-PC3-30-5+100-M+M-1-N/A-N/A-N/A-DFT-PI2BPSK-Outer_Full-270@0-see graph-PASS

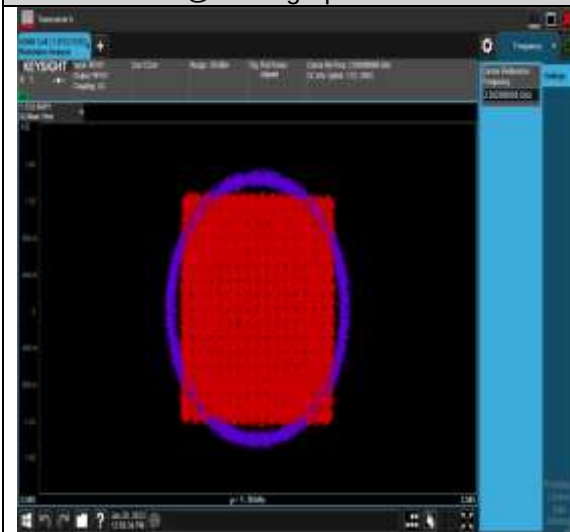
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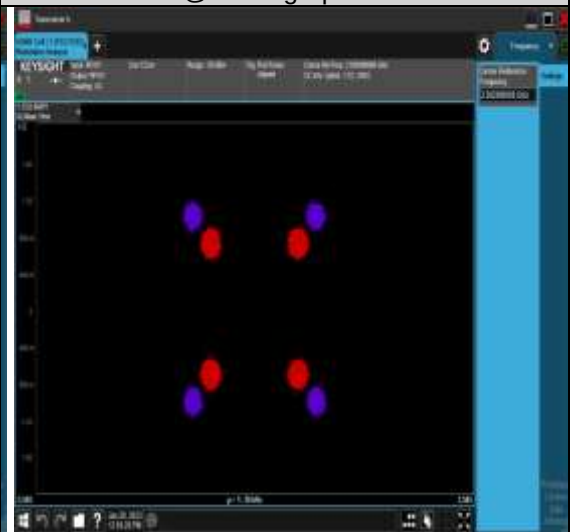
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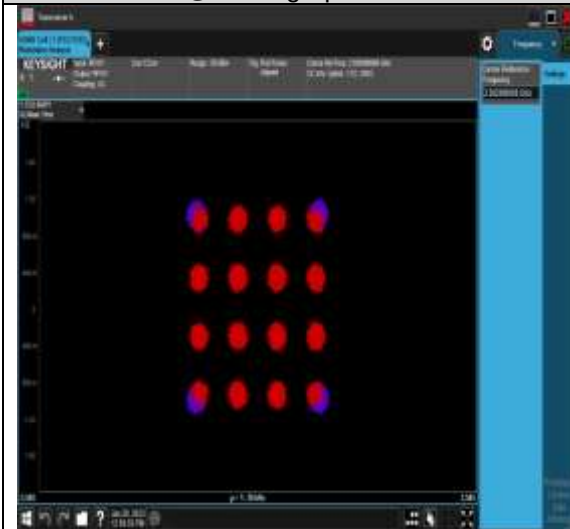
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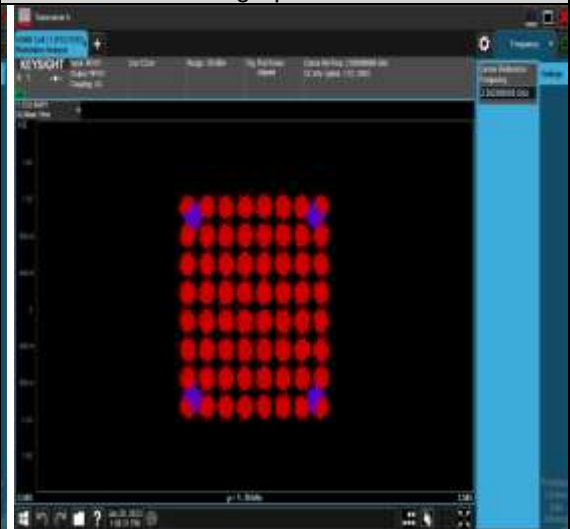
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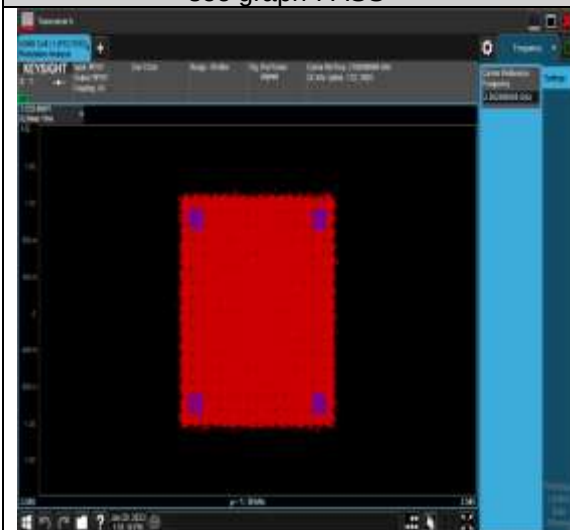
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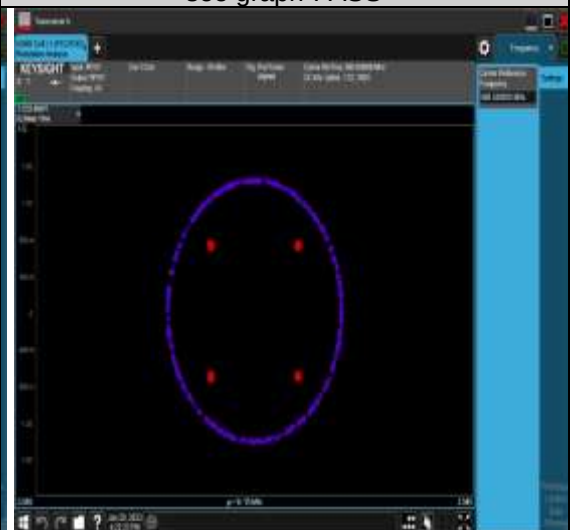
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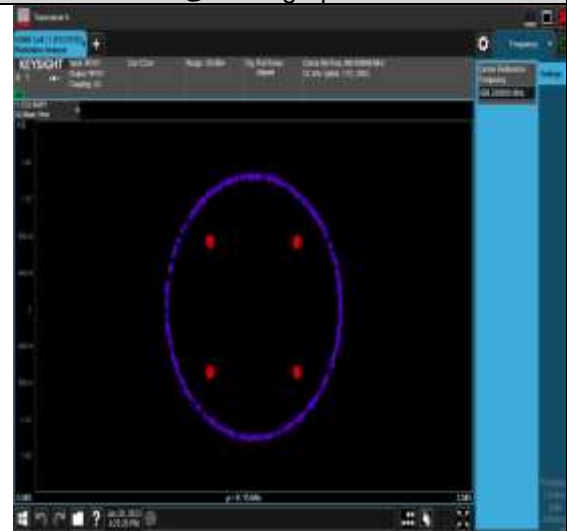
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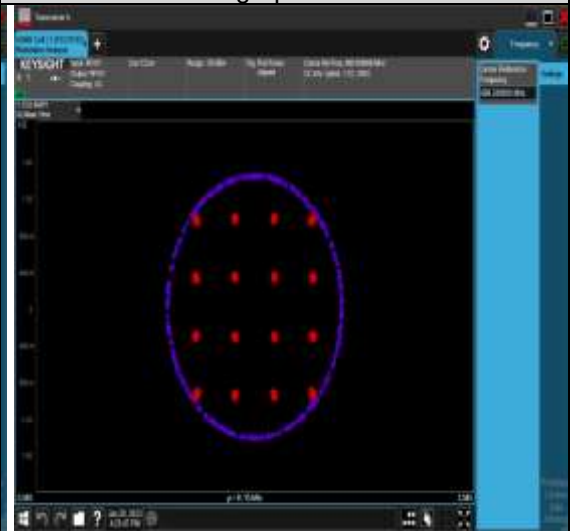
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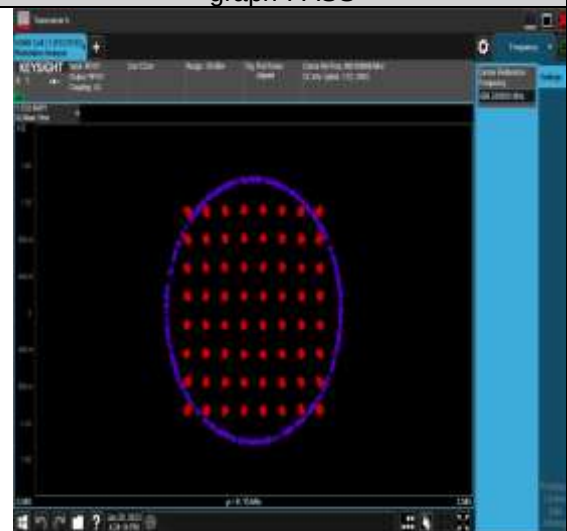
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273@0-see graph-PASS



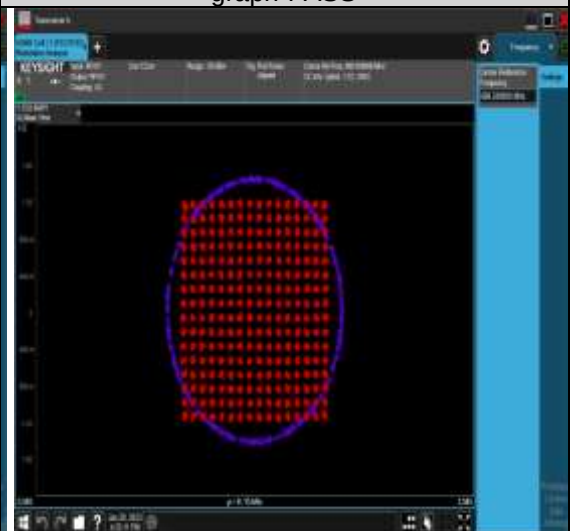
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see graph-PASS



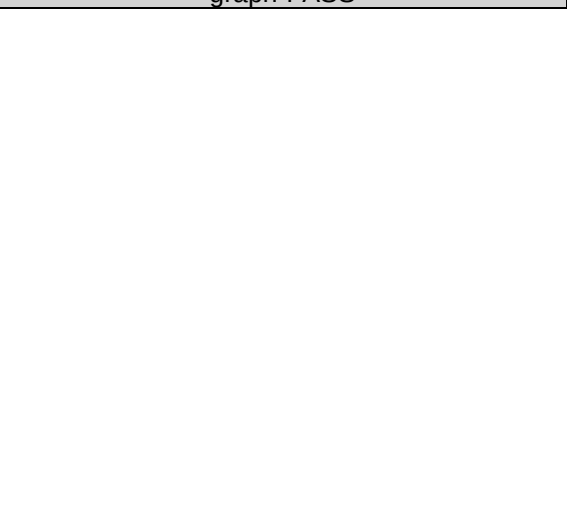
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graph-PASS



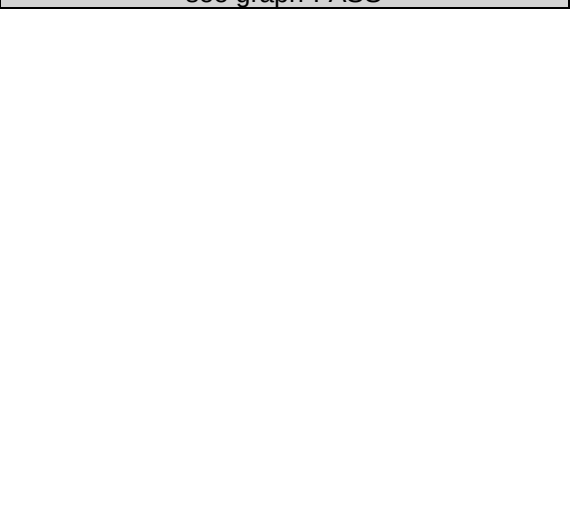
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graph-PASS

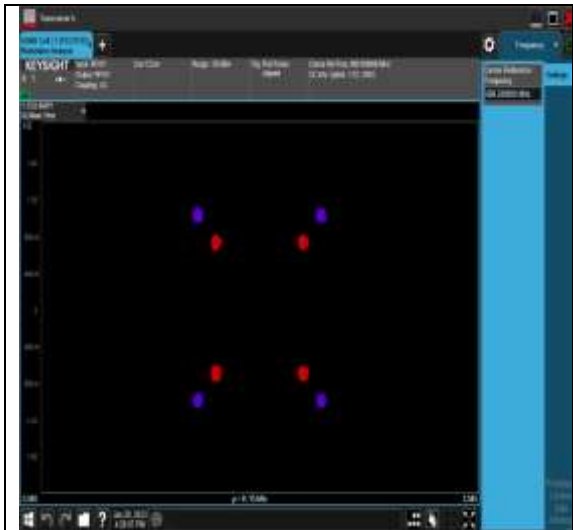


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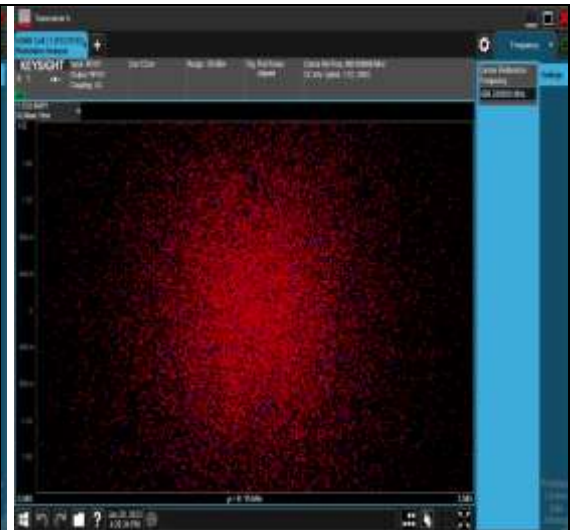


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see graph-PASS

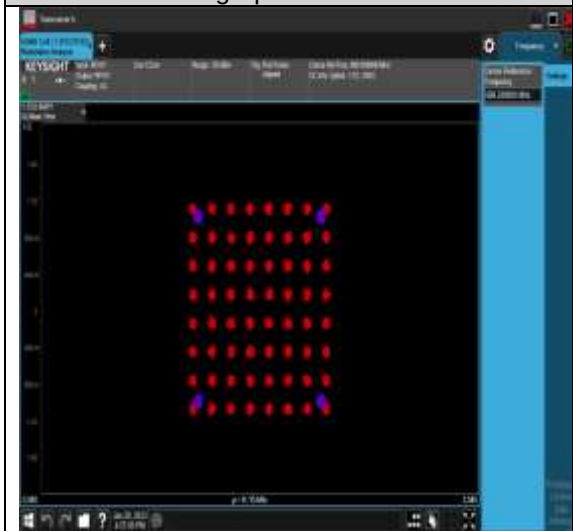




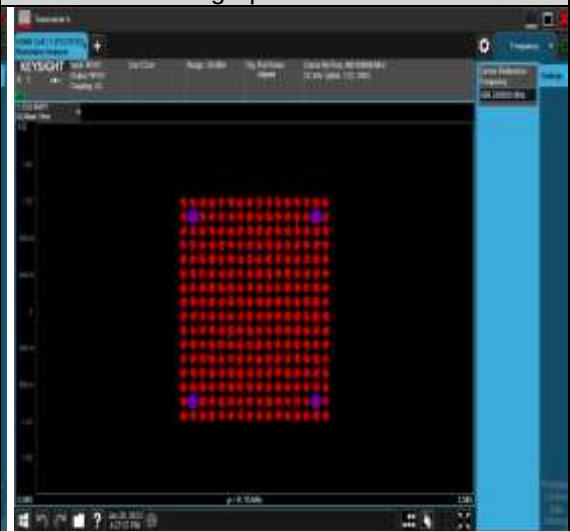
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1-DC_66A_n71A-PC3-15-5+20-M+M-7-N/A-N/A-N/A-CP-16QAM-Outer_Full-106@0-see graph-PASS



1-DC_66A_n71A-PC3-15-5+20-M+M-8-N/A-N/A-N/A-CP-64QAM-Outer_Full-106@0-see graph-PASS



1-DC_66A_n71A-PC3-15-5+20-M+M-9-N/A-N/A-N/A-CP-256QAM-Outer_Full-106@0-see graph-PASS