

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant 0

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dbm)	Limit (dBm)	Verdict
N12	15	5	DFT-PI2BPSK	L	1@1	24.61	16.86	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	1@23	24.54	16.79	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	25@0	24.18	16.43	34.77	PASS
N12	15	5	DFT-QPSK	L	1@1	24.70	16.95	34.77	PASS
N12	15	5	DFT-QPSK	L	1@23	24.66	16.91	34.77	PASS
N12	15	5	DFT-QPSK	L	25@0	23.67	15.92	34.77	PASS
N12	15	5	DFT-16QAM	L	1@1	23.45	15.7	34.77	PASS
N12	15	5	DFT-16QAM	L	1@23	23.41	15.66	34.77	PASS
N12	15	5	DFT-16QAM	L	25@0	22.63	14.88	34.77	PASS
N12	15	5	DFT-64QAM	L	1@1	22.12	14.37	34.77	PASS
N12	15	5	DFT-64QAM	L	1@23	22.10	14.35	34.77	PASS
N12	15	5	DFT-64QAM	L	25@0	22.15	14.4	34.77	PASS
N12	15	5	DFT-256QAM	L	1@1	22.07	14.32	34.77	PASS
N12	15	5	DFT-256QAM	L	1@23	21.96	14.21	34.77	PASS
N12	15	5	DFT-256QAM	L	25@0	22.14	14.39	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	1@1	24.57	16.82	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	1@23	24.60	16.85	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	25@0	24.17	16.42	34.77	PASS
N12	15	5	DFT-QPSK	M	1@1	24.67	16.92	34.77	PASS
N12	15	5	DFT-QPSK	M	1@23	24.63	16.88	34.77	PASS
N12	15	5	DFT-QPSK	M	25@0	23.67	15.92	34.77	PASS
N12	15	5	DFT-16QAM	M	1@1	23.44	15.69	34.77	PASS
N12	15	5	DFT-16QAM	M	1@23	23.46	15.71	34.77	PASS
N12	15	5	DFT-16QAM	M	25@0	22.64	14.89	34.77	PASS
N12	15	5	DFT-64QAM	M	1@1	22.11	14.36	34.77	PASS
N12	15	5	DFT-64QAM	M	1@23	22.13	14.38	34.77	PASS
N12	15	5	DFT-64QAM	M	25@0	22.14	14.39	34.77	PASS
N12	15	5	DFT-256QAM	M	1@1	22.11	14.36	34.77	PASS
N12	15	5	DFT-256QAM	M	1@23	22.10	14.35	34.77	PASS
N12	15	5	DFT-256QAM	M	25@0	22.13	14.38	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	1@1	24.57	16.82	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	1@23	24.66	16.91	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	25@0	24.18	16.43	34.77	PASS
N12	15	5	DFT-QPSK	H	1@1	24.66	16.91	34.77	PASS
N12	15	5	DFT-QPSK	H	1@23	24.72	16.97	34.77	PASS
N12	15	5	DFT-QPSK	H	25@0	23.65	15.9	34.77	PASS
N12	15	5	DFT-16QAM	H	1@1	23.42	15.67	34.77	PASS

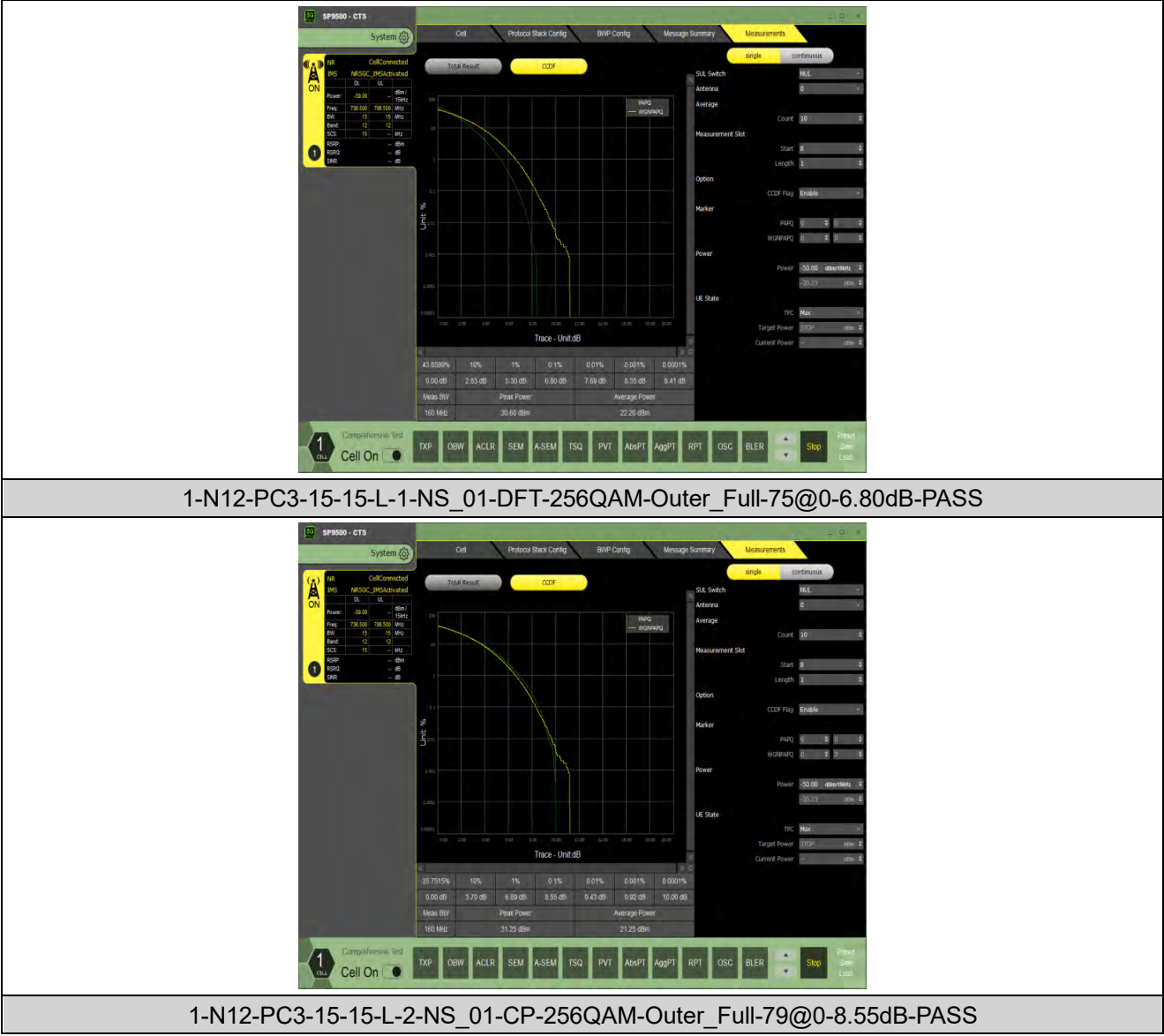
N12	15	5	DFT-16QAM	H	1@23	23.52	15.77	34.77	PASS
N12	15	5	DFT-16QAM	H	25@0	22.62	14.87	34.77	PASS
N12	15	5	DFT-64QAM	H	1@1	22.10	14.35	34.77	PASS
N12	15	5	DFT-64QAM	H	1@23	22.16	14.41	34.77	PASS
N12	15	5	DFT-64QAM	H	25@0	22.14	14.39	34.77	PASS
N12	15	5	DFT-256QAM	H	1@1	21.97	14.22	34.77	PASS
N12	15	5	DFT-256QAM	H	1@23	22.08	14.33	34.77	PASS
N12	15	5	DFT-256QAM	H	25@0	22.15	14.4	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	1@1	24.70	16.95	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	1@50	24.66	16.91	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	50@0	24.17	16.42	34.77	PASS
N12	15	10	DFT-QPSK	L	1@1	24.76	17.01	34.77	PASS
N12	15	10	DFT-QPSK	L	1@50	24.74	16.99	34.77	PASS
N12	15	10	DFT-QPSK	L	50@0	23.67	15.92	34.77	PASS
N12	15	10	DFT-16QAM	L	1@1	23.61	15.86	34.77	PASS
N12	15	10	DFT-16QAM	L	1@50	23.55	15.8	34.77	PASS
N12	15	10	DFT-16QAM	L	50@0	22.68	14.93	34.77	PASS
N12	15	10	DFT-64QAM	L	1@1	22.24	14.49	34.77	PASS
N12	15	10	DFT-64QAM	L	1@50	22.19	14.44	34.77	PASS
N12	15	10	DFT-64QAM	L	50@0	22.19	14.44	34.77	PASS
N12	15	10	DFT-256QAM	L	1@1	22.18	14.43	34.77	PASS
N12	15	10	DFT-256QAM	L	1@50	22.10	14.35	34.77	PASS
N12	15	10	DFT-256QAM	L	50@0	22.22	14.47	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	1@1	24.65	16.9	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	1@50	24.59	16.84	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	50@0	24.18	16.43	34.77	PASS
N12	15	10	DFT-QPSK	M	1@1	24.74	16.99	34.77	PASS
N12	15	10	DFT-QPSK	M	1@50	24.68	16.93	34.77	PASS
N12	15	10	DFT-QPSK	M	50@0	23.70	15.95	34.77	PASS
N12	15	10	DFT-16QAM	M	1@1	23.52	15.77	34.77	PASS
N12	15	10	DFT-16QAM	M	1@50	23.48	15.73	34.77	PASS
N12	15	10	DFT-16QAM	M	50@0	22.69	14.94	34.77	PASS
N12	15	10	DFT-64QAM	M	1@1	22.16	14.41	34.77	PASS
N12	15	10	DFT-64QAM	M	1@50	22.14	14.39	34.77	PASS
N12	15	10	DFT-64QAM	M	50@0	22.18	14.43	34.77	PASS
N12	15	10	DFT-256QAM	M	1@1	22.04	14.29	34.77	PASS
N12	15	10	DFT-256QAM	M	1@50	22.00	14.25	34.77	PASS
N12	15	10	DFT-256QAM	M	50@0	22.21	14.46	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	1@1	24.73	16.98	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	1@50	24.70	16.95	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	50@0	24.22	16.47	34.77	PASS
N12	15	10	DFT-QPSK	H	1@1	24.80	17.05	34.77	PASS
N12	15	10	DFT-QPSK	H	1@50	24.78	17.03	34.77	PASS
N12	15	10	DFT-QPSK	H	50@0	23.73	15.98	34.77	PASS

N12	15	10	DFT-16QAM	H	1@1	23.58	15.83	34.77	PASS
N12	15	10	DFT-16QAM	H	1@50	23.54	15.79	34.77	PASS
N12	15	10	DFT-16QAM	H	50@0	22.72	14.97	34.77	PASS
N12	15	10	DFT-64QAM	H	1@1	22.27	14.52	34.77	PASS
N12	15	10	DFT-64QAM	H	1@50	22.19	14.44	34.77	PASS
N12	15	10	DFT-64QAM	H	50@0	22.24	14.49	34.77	PASS
N12	15	10	DFT-256QAM	H	1@1	22.13	14.38	34.77	PASS
N12	15	10	DFT-256QAM	H	1@50	22.05	14.3	34.77	PASS
N12	15	10	DFT-256QAM	H	50@0	22.26	14.51	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	1@1	24.61	16.86	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	1@77	24.56	16.81	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	75@0	24.19	16.44	34.77	PASS
N12	15	15	DFT-QPSK	L	1@1	24.69	16.94	34.77	PASS
N12	15	15	DFT-QPSK	L	1@77	24.67	16.92	34.77	PASS
N12	15	15	DFT-QPSK	L	75@0	23.70	15.95	34.77	PASS
N12	15	15	DFT-16QAM	L	1@1	23.47	15.72	34.77	PASS
N12	15	15	DFT-16QAM	L	1@77	23.45	15.7	34.77	PASS
N12	15	15	DFT-16QAM	L	75@0	22.71	14.96	34.77	PASS
N12	15	15	DFT-64QAM	L	1@1	22.16	14.41	34.77	PASS
N12	15	15	DFT-64QAM	L	1@77	22.11	14.36	34.77	PASS
N12	15	15	DFT-64QAM	L	75@0	22.21	14.46	34.77	PASS
N12	15	15	DFT-256QAM	L	1@1	22.15	14.4	34.77	PASS
N12	15	15	DFT-256QAM	L	1@77	22.20	14.45	34.77	PASS
N12	15	15	DFT-256QAM	L	75@0	22.21	14.46	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	1@1	24.61	16.86	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	1@77	24.55	16.8	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	24.19	16.44	34.77	PASS
N12	15	15	DFT-QPSK	M	1@1	24.67	16.92	34.77	PASS
N12	15	15	DFT-QPSK	M	1@77	24.71	16.96	34.77	PASS
N12	15	15	DFT-QPSK	M	75@0	23.69	15.94	34.77	PASS
N12	15	15	DFT-16QAM	M	1@1	23.41	15.66	34.77	PASS
N12	15	15	DFT-16QAM	M	1@77	23.51	15.76	34.77	PASS
N12	15	15	DFT-16QAM	M	75@0	22.68	14.93	34.77	PASS
N12	15	15	DFT-64QAM	M	1@1	22.14	14.39	34.77	PASS
N12	15	15	DFT-64QAM	M	1@77	22.09	14.34	34.77	PASS
N12	15	15	DFT-64QAM	M	75@0	22.19	14.44	34.77	PASS
N12	15	15	DFT-256QAM	M	1@1	21.98	14.23	34.77	PASS
N12	15	15	DFT-256QAM	M	1@77	21.97	14.22	34.77	PASS
N12	15	15	DFT-256QAM	M	75@0	22.20	14.45	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	1@1	24.55	16.8	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	1@77	24.60	16.85	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	75@0	24.21	16.46	34.77	PASS
N12	15	15	DFT-QPSK	H	1@1	24.65	16.9	34.77	PASS
N12	15	15	DFT-QPSK	H	1@77	24.75	17	34.77	PASS

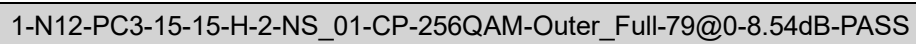
N12	15	15	DFT-QPSK	H	75@0	23.70	15.95	34.77	PASS
N12	15	15	DFT-16QAM	H	1@1	23.33	15.58	34.77	PASS
N12	15	15	DFT-16QAM	H	1@77	23.36	15.61	34.77	PASS
N12	15	15	DFT-16QAM	H	75@0	22.69	14.94	34.77	PASS
N12	15	15	DFT-64QAM	H	1@1	22.10	14.35	34.77	PASS
N12	15	15	DFT-64QAM	H	1@77	22.13	14.38	34.77	PASS
N12	15	15	DFT-64QAM	H	75@0	22.20	14.45	34.77	PASS
N12	15	15	DFT-256QAM	H	1@1	22.06	14.31	34.77	PASS
N12	15	15	DFT-256QAM	H	1@77	22.11	14.36	34.77	PASS
N12	15	15	DFT-256QAM	H	75@0	22.20	14.45	34.77	PASS

Peak-to-Average Ratio for SA

Test Graphs







1-N12-PC3-15-15-H-2-NS_01-CP-256QAM-Outer_Full-79@0-8.54dB-PASS

26dB Bandwidth and Occupied Bandwidth for SA

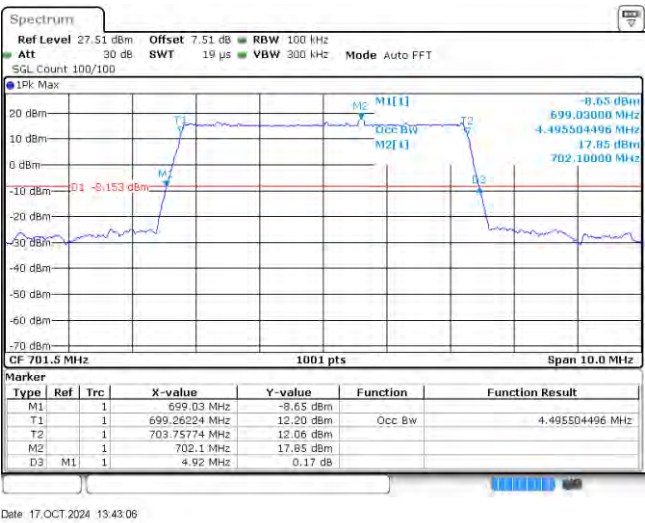
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N12	15	5	DFT-QPSK	L	25@0	4.496	4.920	PASS
N12	15	5	DFT-PI2BPSK	L	25@0	4.486	4.890	PASS
N12	15	5	DFT-16QAM	L	25@0	4.505	4.950	PASS
N12	15	5	DFT-64QAM	L	25@0	4.505	4.920	PASS
N12	15	5	DFT-256QAM	L	25@0	4.505	4.910	PASS
N12	15	5	CP-QPSK	L	25@0	4.476	4.900	PASS
N12	15	5	CP-16QAM	L	25@0	4.486	4.890	PASS
N12	15	5	CP-64QAM	L	25@0	4.486	4.900	PASS
N12	15	5	CP-256QAM	L	25@0	4.496	4.870	PASS
N12	15	5	DFT-QPSK	M	25@0	4.476	4.850	PASS
N12	15	5	DFT-PI2BPSK	M	25@0	4.486	4.880	PASS
N12	15	5	DFT-16QAM	M	25@0	4.496	4.900	PASS
N12	15	5	DFT-64QAM	M	25@0	4.486	4.900	PASS
N12	15	5	DFT-256QAM	M	25@0	4.505	4.910	PASS
N12	15	5	CP-QPSK	M	25@0	4.476	4.890	PASS
N12	15	5	CP-16QAM	M	25@0	4.476	4.910	PASS
N12	15	5	CP-64QAM	M	25@0	4.486	4.810	PASS
N12	15	5	CP-256QAM	M	25@0	4.486	4.860	PASS
N12	15	5	DFT-QPSK	H	25@0	4.476	4.920	PASS
N12	15	5	DFT-PI2BPSK	H	25@0	4.476	4.860	PASS
N12	15	5	DFT-16QAM	H	25@0	4.476	4.890	PASS
N12	15	5	DFT-64QAM	H	25@0	4.525	4.880	PASS
N12	15	5	DFT-256QAM	H	25@0	4.505	4.930	PASS
N12	15	5	CP-QPSK	H	25@0	4.476	4.880	PASS
N12	15	5	CP-16QAM	H	25@0	4.486	4.860	PASS
N12	15	5	CP-64QAM	H	25@0	4.486	4.870	PASS
N12	15	5	CP-256QAM	H	25@0	4.496	4.880	PASS
N12	15	10	DFT-QPSK	L	50@0	8.991	9.500	PASS
N12	15	10	DFT-PI2BPSK	L	50@0	8.991	9.560	PASS
N12	15	10	DFT-16QAM	L	50@0	8.951	9.520	PASS
N12	15	10	DFT-64QAM	L	50@0	8.951	9.480	PASS
N12	15	10	DFT-256QAM	L	50@0	8.991	9.500	PASS
N12	15	10	CP-QPSK	L	52@0	9.311	9.820	PASS
N12	15	10	CP-16QAM	L	52@0	9.311	9.840	PASS
N12	15	10	CP-64QAM	L	52@0	9.291	9.920	PASS

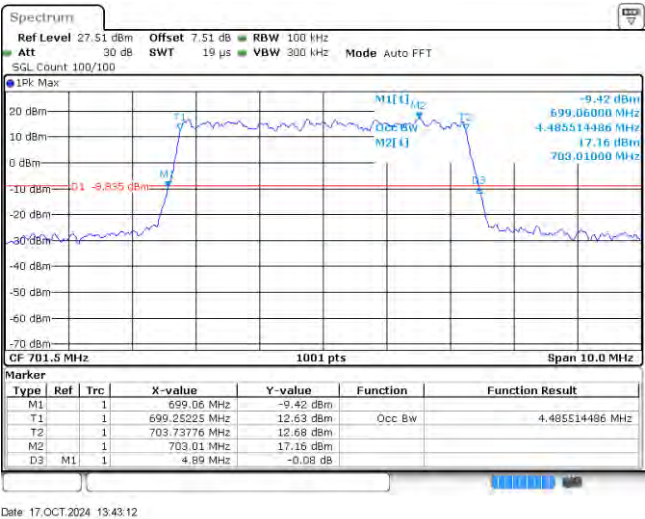
N12	15	10	CP-256QAM	L	52@0	9.271	9.900	PASS
N12	15	10	DFT-QPSK	M	50@0	8.971	9.520	PASS
N12	15	10	DFT-PI2BPSK	M	50@0	8.991	9.540	PASS
N12	15	10	DFT-16QAM	M	50@0	8.951	9.480	PASS
N12	15	10	DFT-64QAM	M	50@0	8.971	9.460	PASS
N12	15	10	DFT-256QAM	M	50@0	8.971	9.480	PASS
N12	15	10	CP-QPSK	M	52@0	9.311	9.840	PASS
N12	15	10	CP-16QAM	M	52@0	9.291	9.920	PASS
N12	15	10	CP-64QAM	M	52@0	9.271	9.860	PASS
N12	15	10	CP-256QAM	M	52@0	9.291	9.840	PASS
N12	15	10	DFT-QPSK	H	50@0	8.991	9.500	PASS
N12	15	10	DFT-PI2BPSK	H	50@0	8.971	9.540	PASS
N12	15	10	DFT-16QAM	H	50@0	8.971	9.480	PASS
N12	15	10	DFT-64QAM	H	50@0	8.971	9.520	PASS
N12	15	10	DFT-256QAM	H	50@0	8.971	9.540	PASS
N12	15	10	CP-QPSK	H	52@0	9.311	9.860	PASS
N12	15	10	CP-16QAM	H	52@0	9.311	9.840	PASS
N12	15	10	CP-64QAM	H	52@0	9.331	9.960	PASS
N12	15	10	CP-256QAM	H	52@0	9.271	9.860	PASS
N12	15	15	DFT-QPSK	L	75@0	13.457	14.220	PASS
N12	15	15	DFT-PI2BPSK	L	75@0	13.427	14.220	PASS
N12	15	15	DFT-16QAM	L	75@0	13.516	14.280	PASS
N12	15	15	DFT-64QAM	L	75@0	13.457	14.280	PASS
N12	15	15	DFT-256QAM	L	75@0	13.457	14.250	PASS
N12	15	15	CP-QPSK	L	79@0	14.176	14.970	PASS
N12	15	15	CP-16QAM	L	79@0	14.086	14.970	PASS
N12	15	15	CP-64QAM	L	79@0	14.116	14.940	PASS
N12	15	15	CP-256QAM	L	79@0	14.086	14.970	PASS
N12	15	15	DFT-QPSK	M	75@0	13.487	14.250	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	13.457	14.190	PASS
N12	15	15	DFT-16QAM	M	75@0	13.516	14.280	PASS
N12	15	15	DFT-64QAM	M	75@0	13.487	14.220	PASS
N12	15	15	DFT-256QAM	M	75@0	13.457	14.250	PASS
N12	15	15	CP-QPSK	M	79@0	14.176	14.910	PASS
N12	15	15	CP-16QAM	M	79@0	14.146	15.030	PASS
N12	15	15	CP-64QAM	M	79@0	14.176	14.910	PASS
N12	15	15	CP-256QAM	M	79@0	14.176	14.970	PASS
N12	15	15	DFT-QPSK	H	75@0	13.397	14.190	PASS
N12	15	15	DFT-PI2BPSK	H	75@0	13.487	14.220	PASS
N12	15	15	DFT-16QAM	H	75@0	13.516	14.220	PASS
N12	15	15	DFT-64QAM	H	75@0	13.427	14.220	PASS
N12	15	15	DFT-256QAM	H	75@0	13.457	14.220	PASS
N12	15	15	CP-QPSK	H	79@0	14.176	14.910	PASS
N12	15	15	CP-16QAM	H	79@0	14.146	14.910	PASS

N12	15	15	CP-64QAM	H	79@0	14.116	14.880	PASS
N12	15	15	CP-256QAM	H	79@0	14.176	14.880	PASS

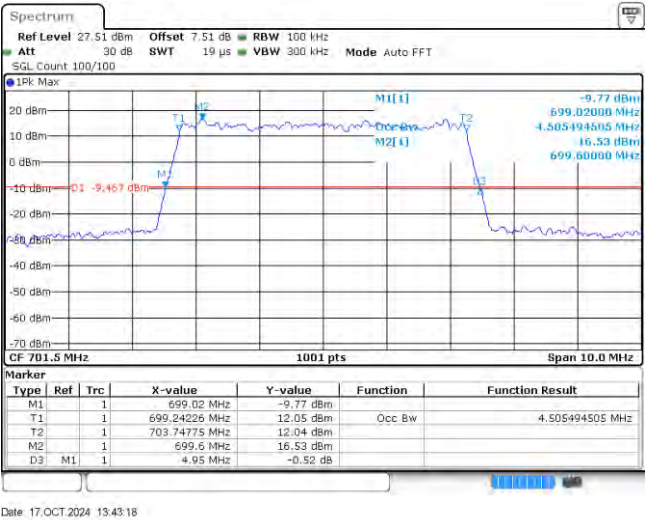
Test Graphs



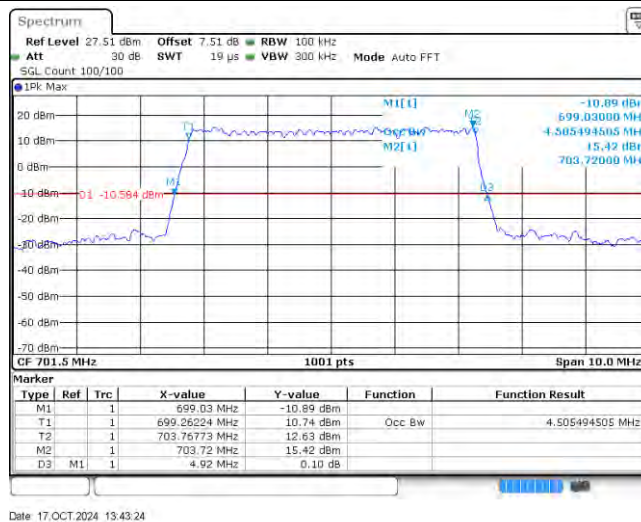
1-N12-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.496-4.920-≤5-PASS



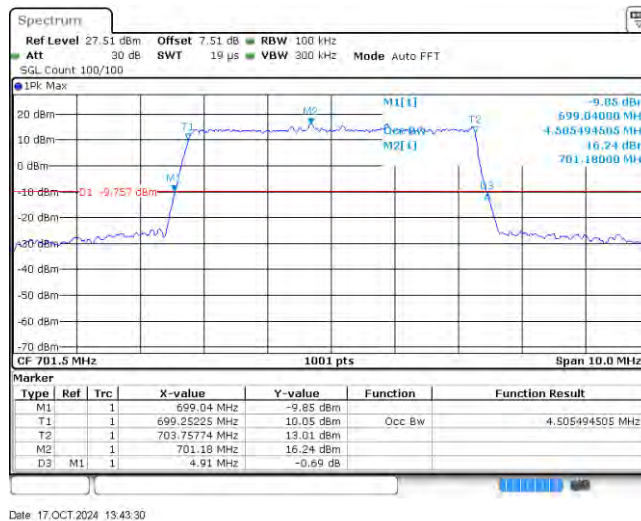
1-N12-PC3-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant0-4.486-4.890-≤5-PASS



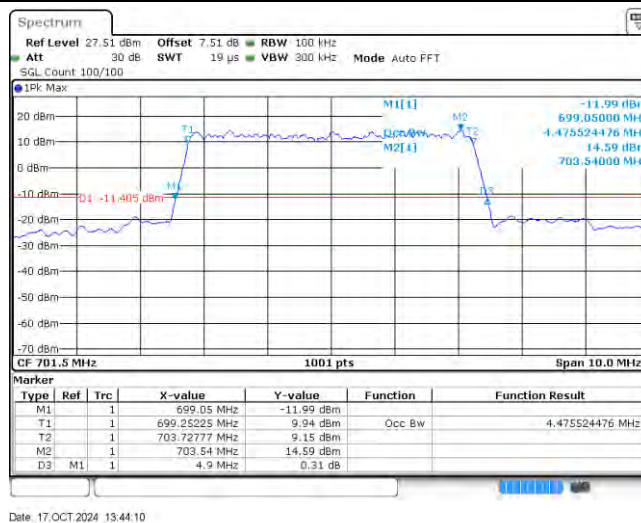
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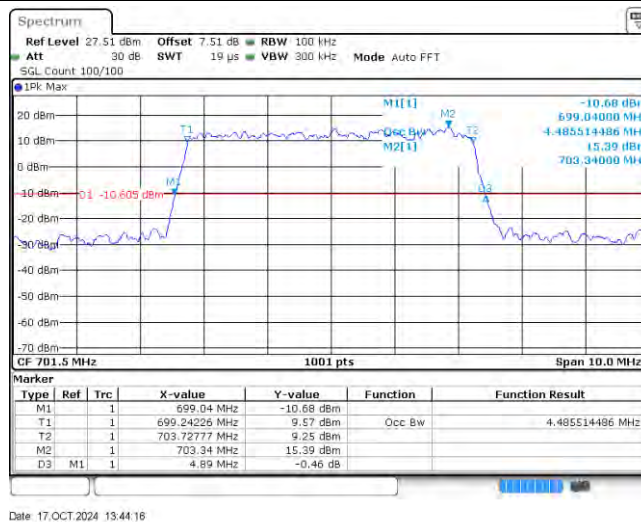
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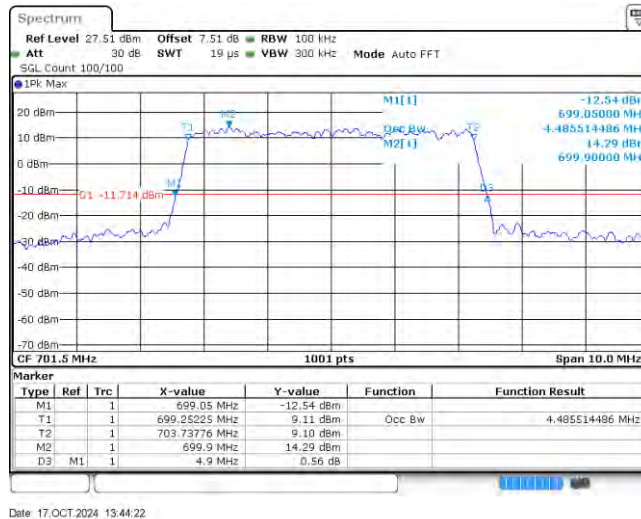
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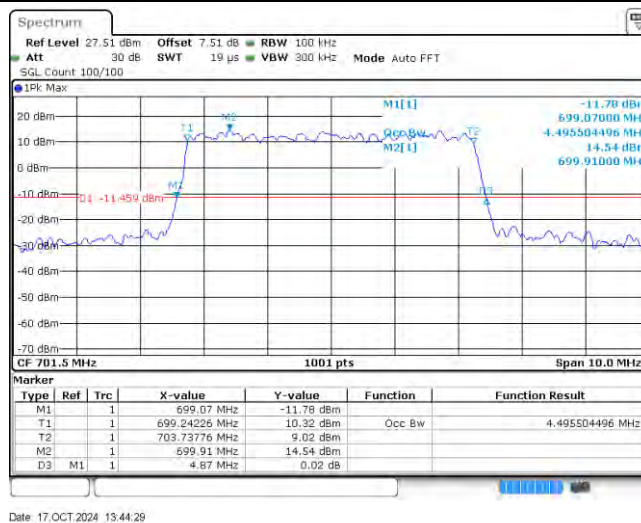
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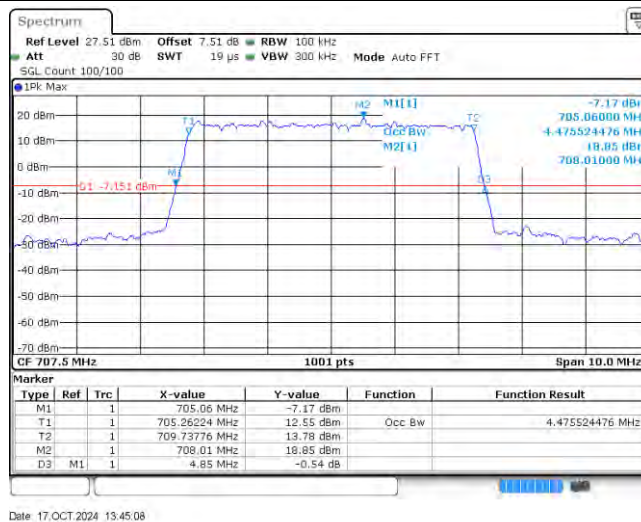
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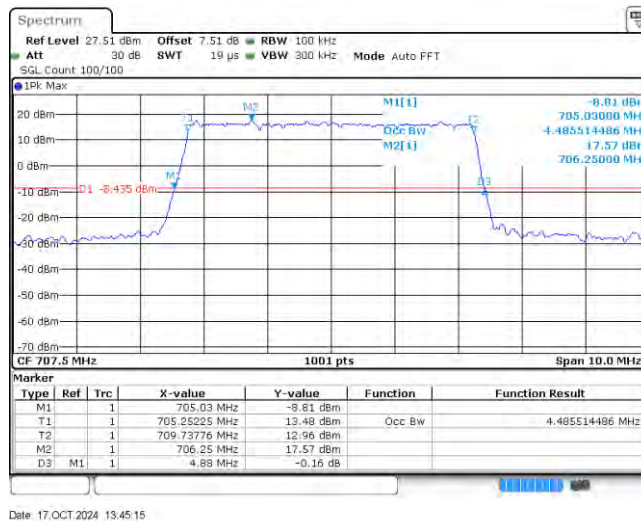
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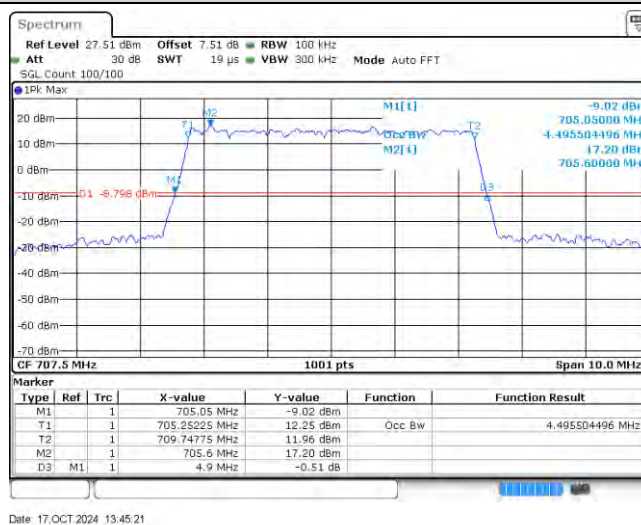
1-N12-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant0-4.496-4.870-≤5-PASS



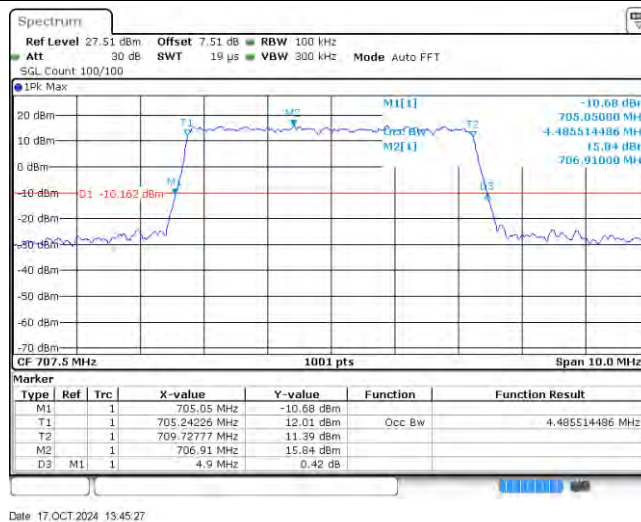
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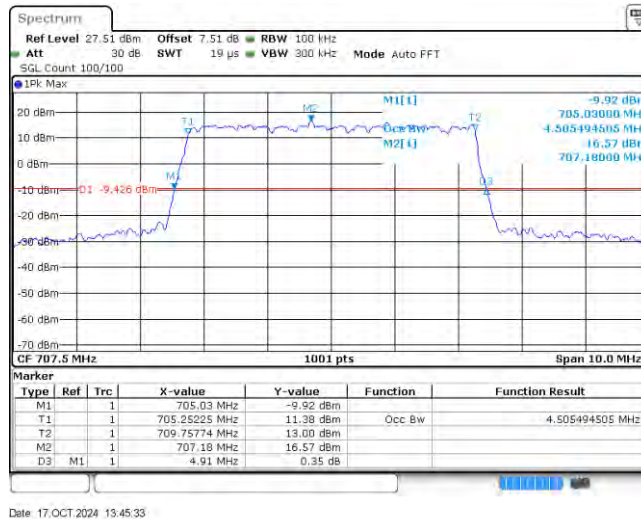
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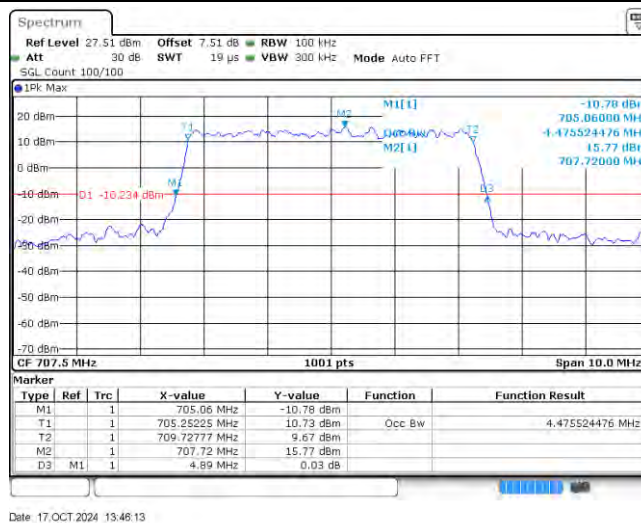
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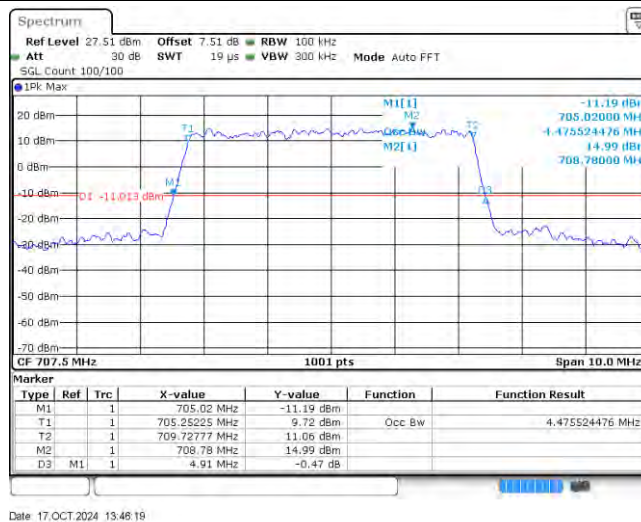
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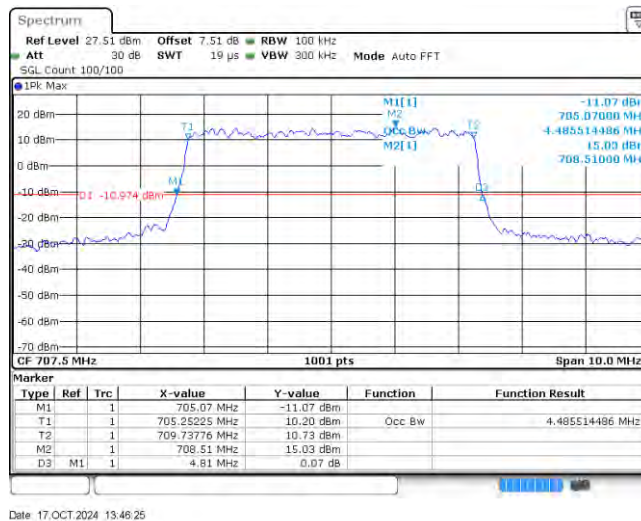
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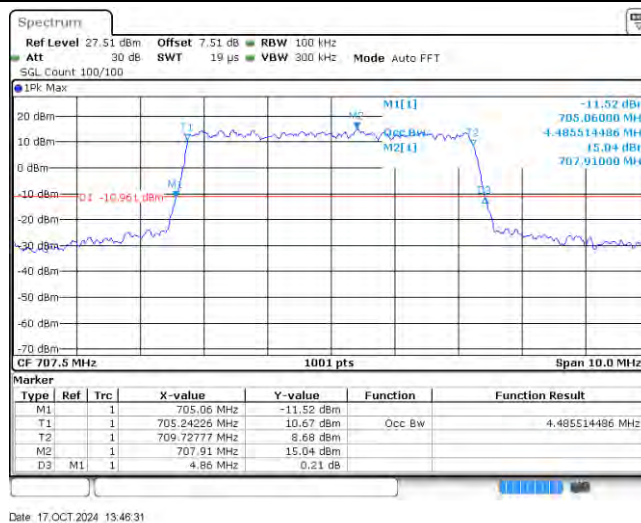
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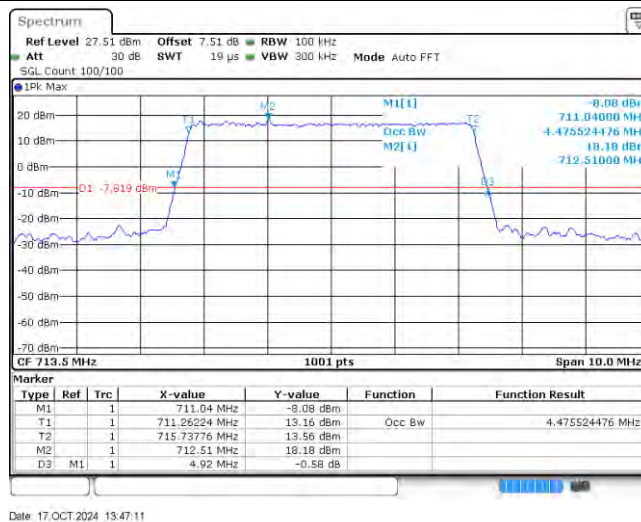
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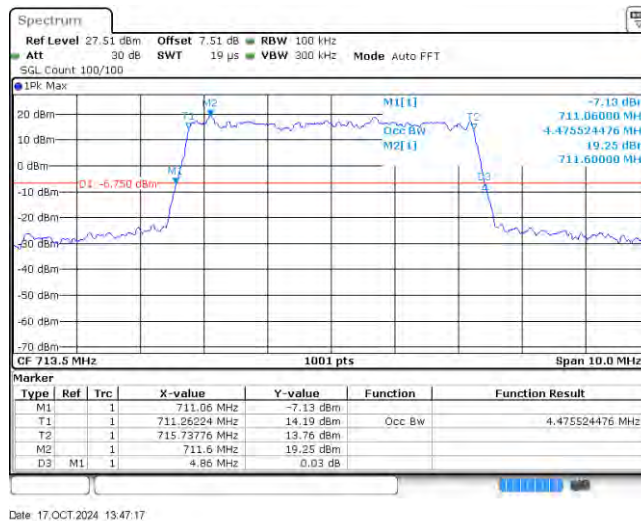
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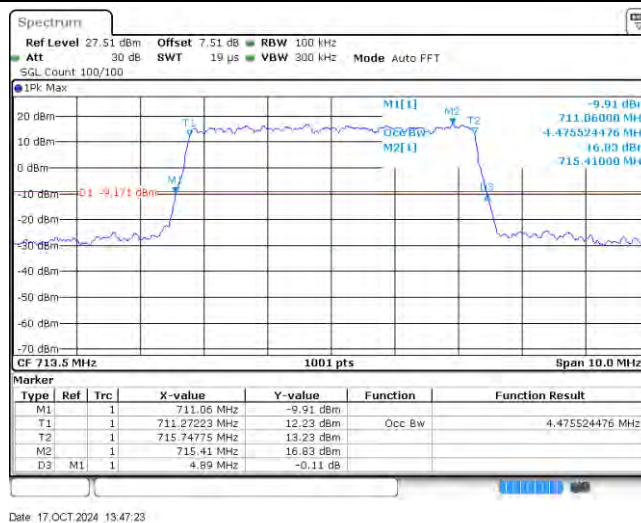
1-N12-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant0-4.486-4.860-≤5-PASS



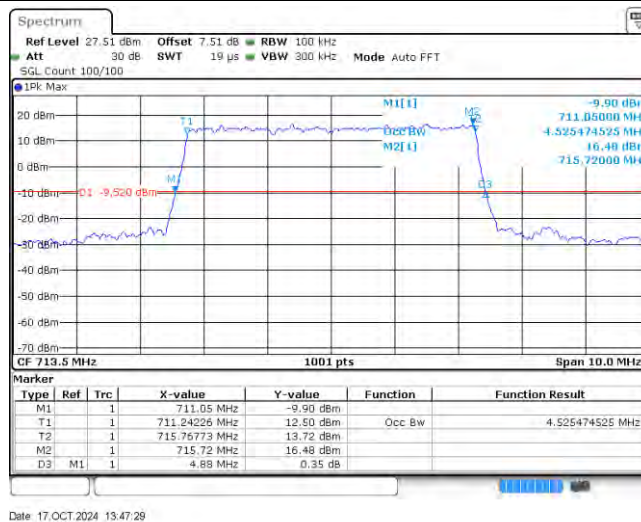
1-N12-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant0-4.476-4.920-≤5-PASS



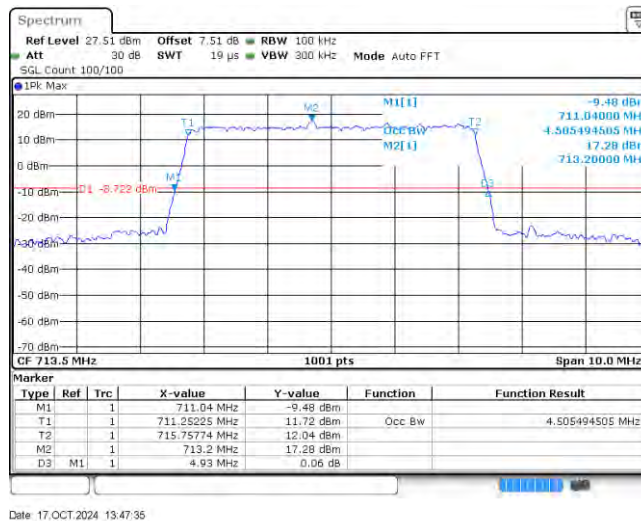
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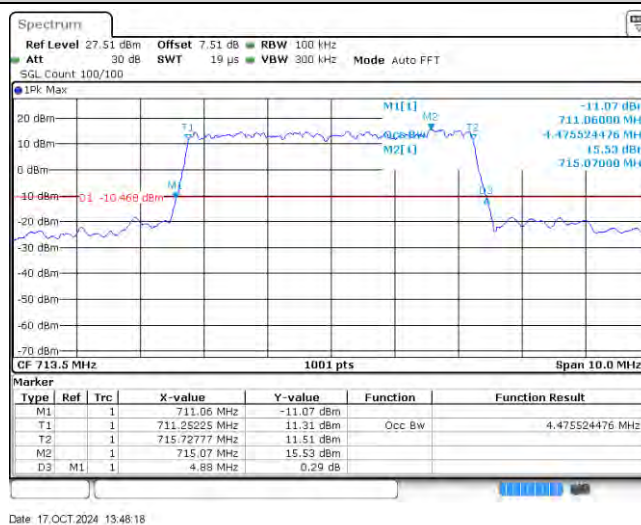
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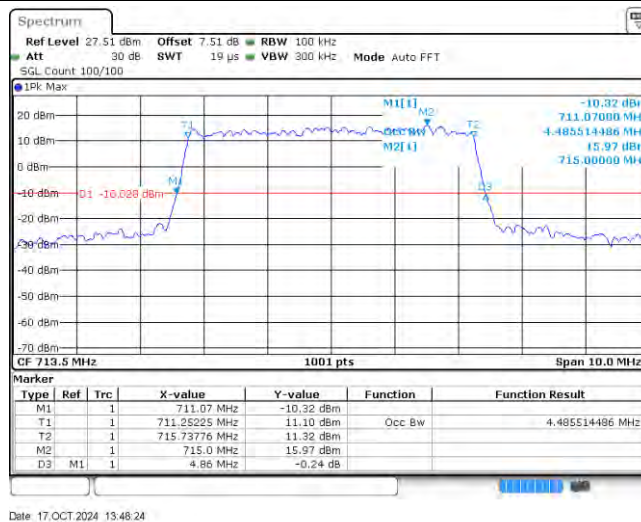
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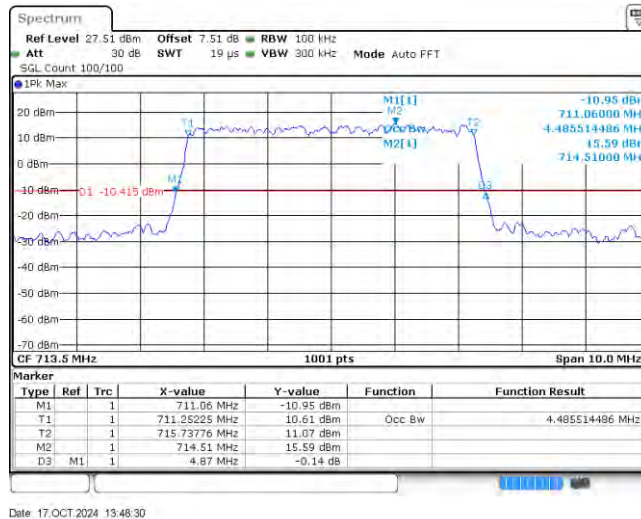
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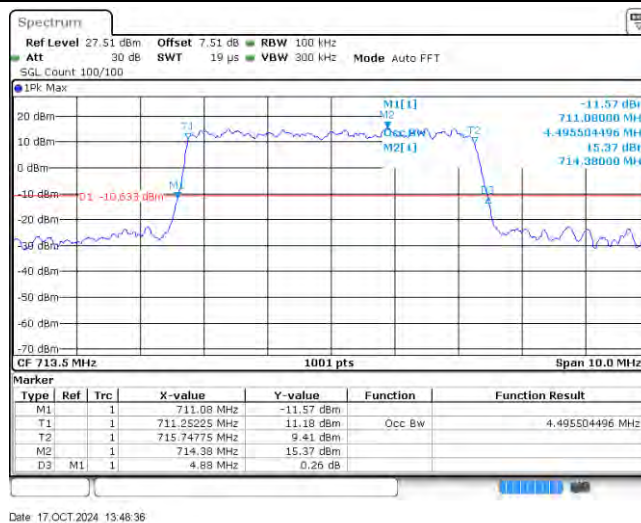
1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-4.476-4.880-≤5-PASS



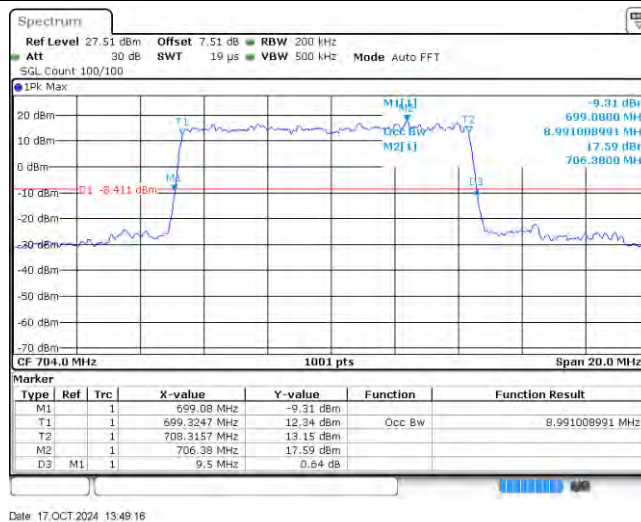
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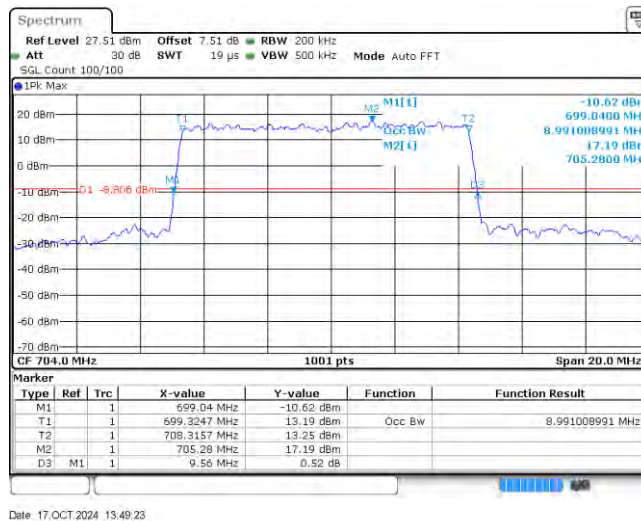
1-N12-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant0-4.486-4.870-≤5-PASS



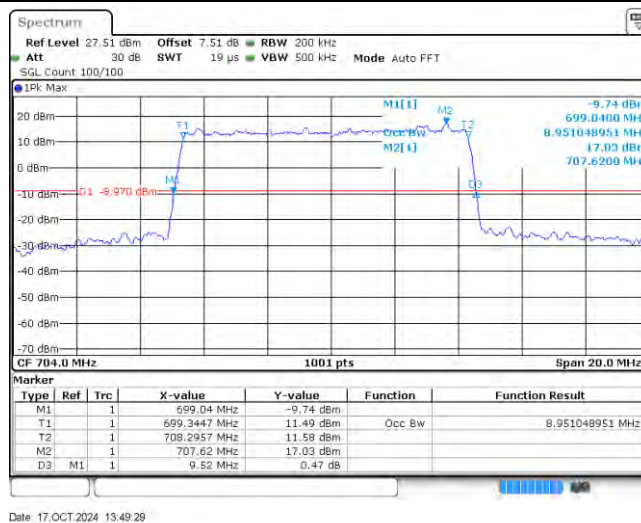
1-N12-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant0-4.496-4.880-≤5-PASS



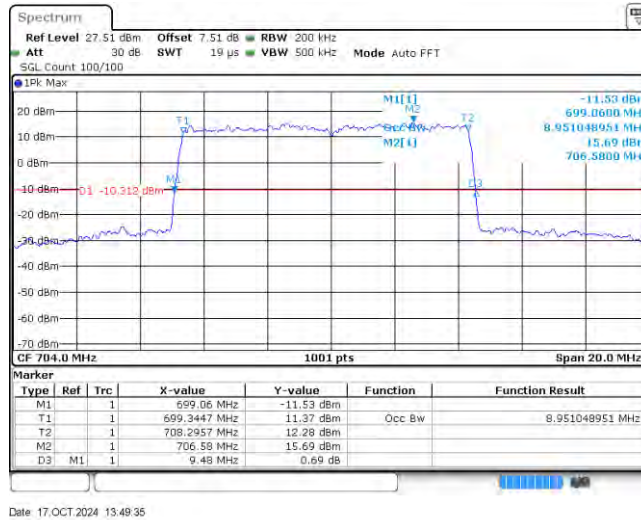
1-N12-PC3-15-10-L-1-DFT-QPSK-Out_Full-50@0-Ant0-8.991-9.500-≤10-PASS



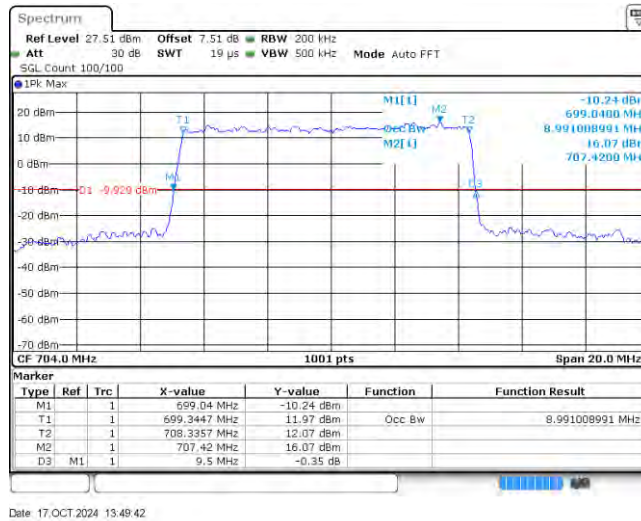
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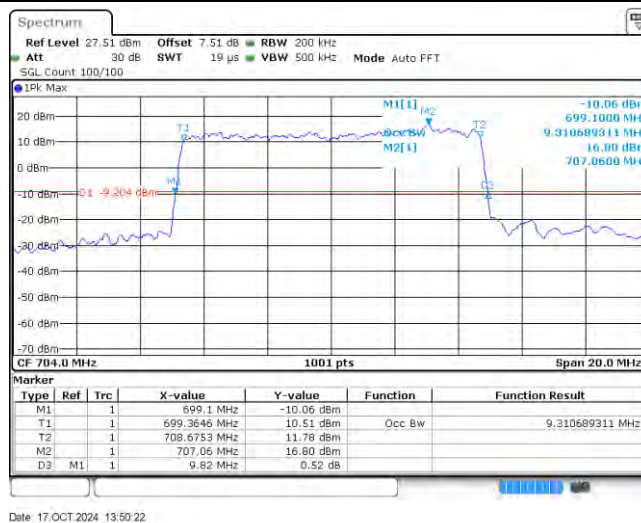
1-N12-PC3-15-10-L-3-DFT-16QAM-Out_Full-50@0-Ant0-8.951-9.520-≤10-PASS



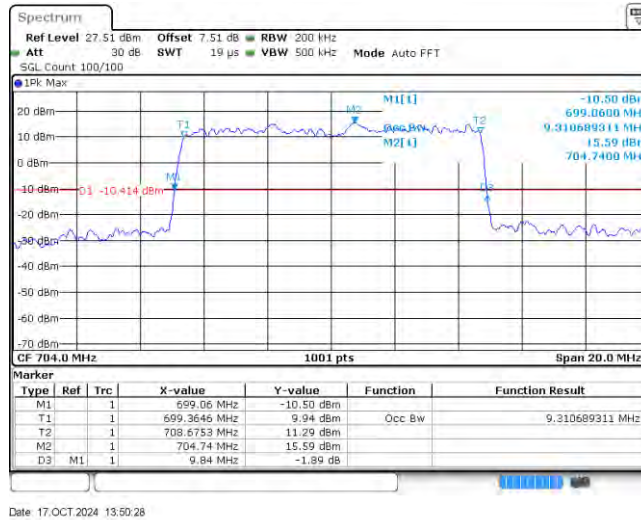
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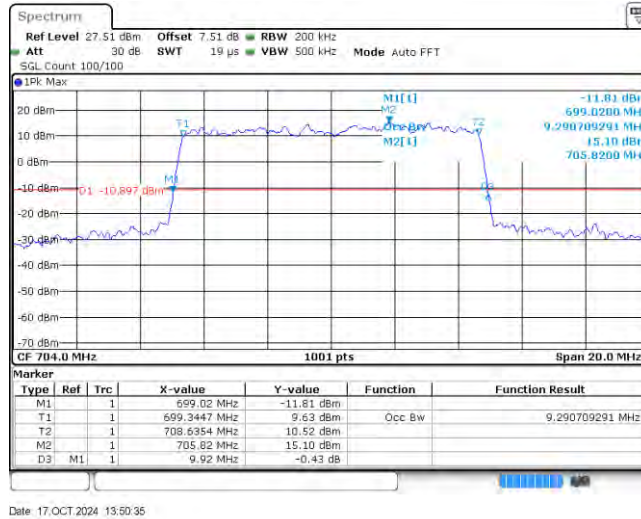
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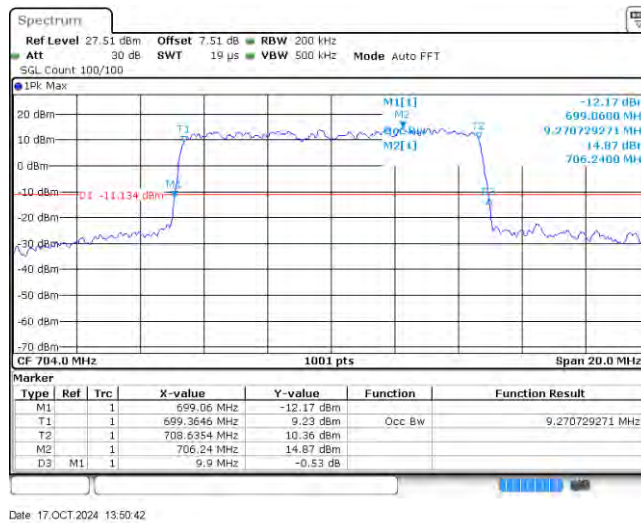
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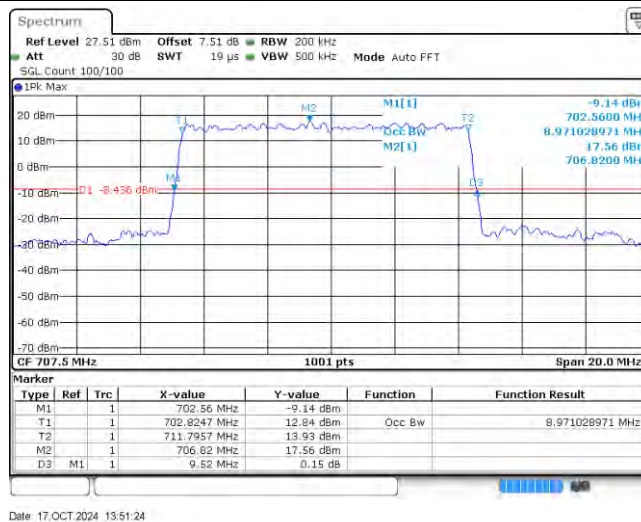
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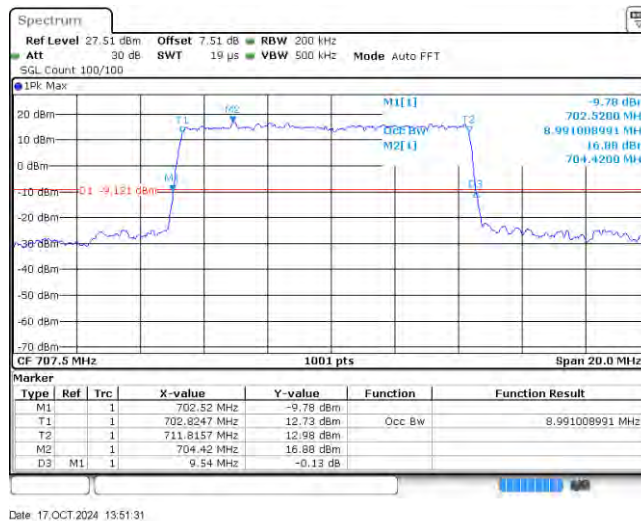
1-N12-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant0-9.291-9.920-≤10-PASS



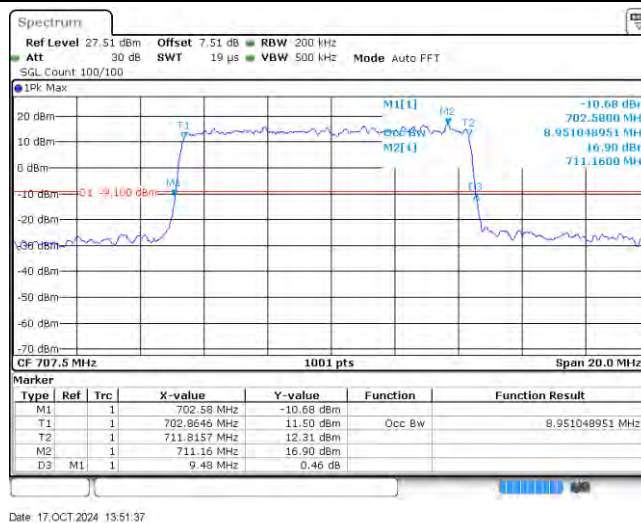
1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant0-9.271-9.900-≤10-PASS



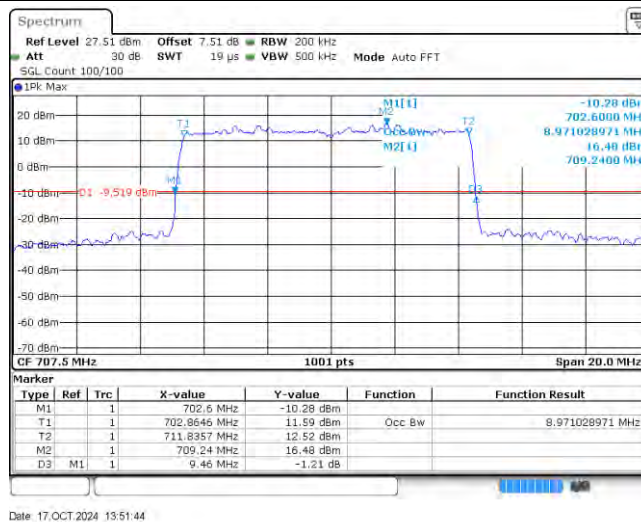
1-N12-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant0-8.971-9.520-≤10-PASS



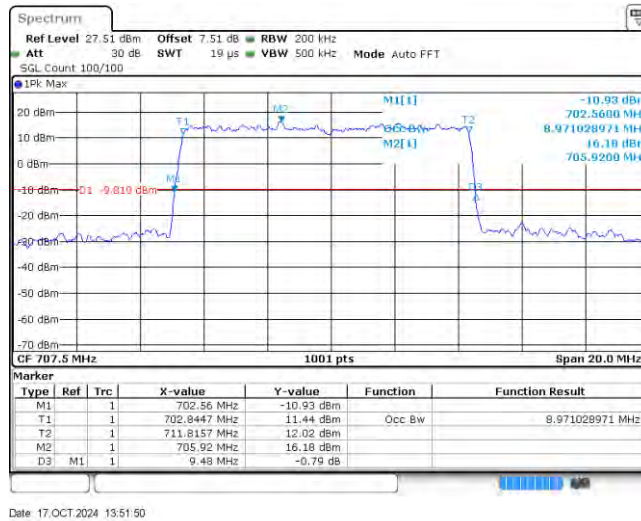
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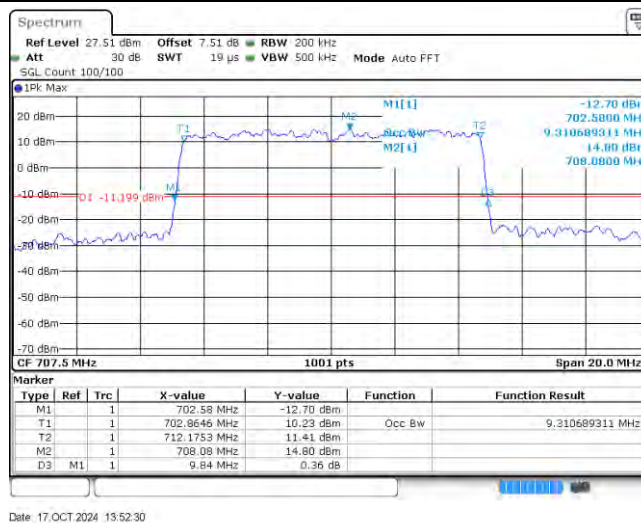
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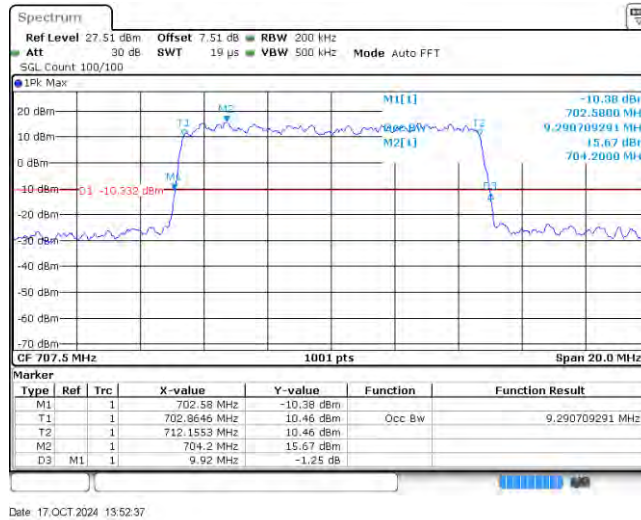
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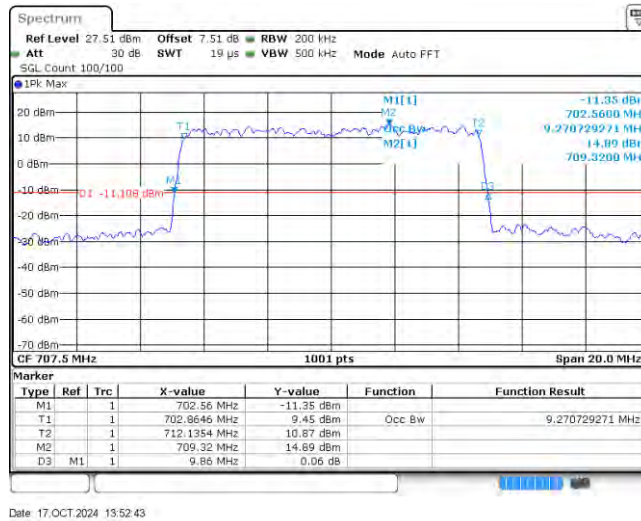
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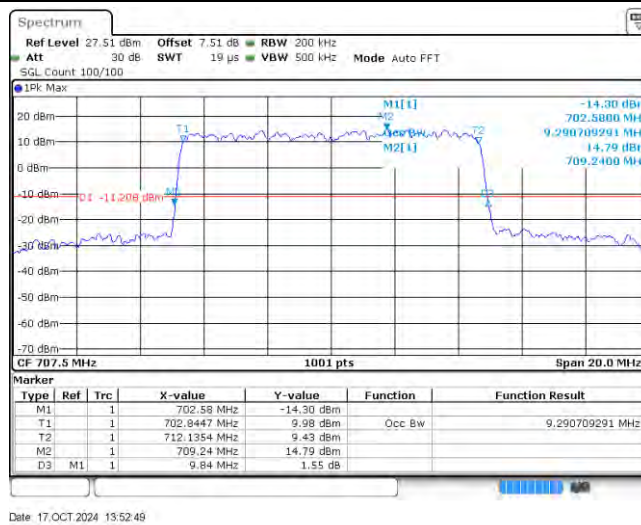
1-N12-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant0-9.311-9.840-≤10-PASS



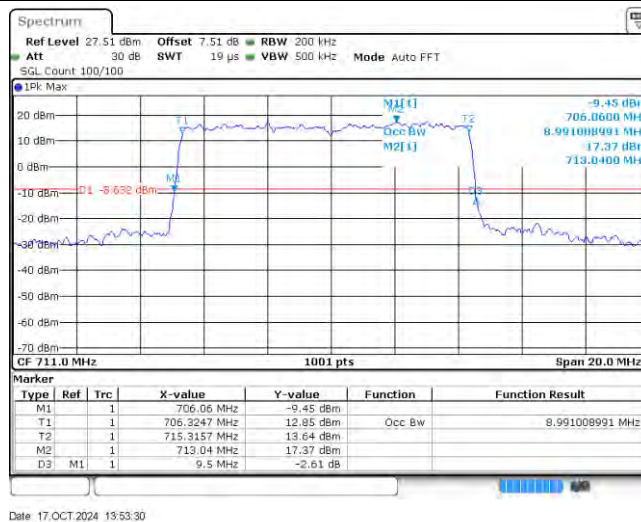
1-N12-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant0-9.291-9.920-≤10-PASS



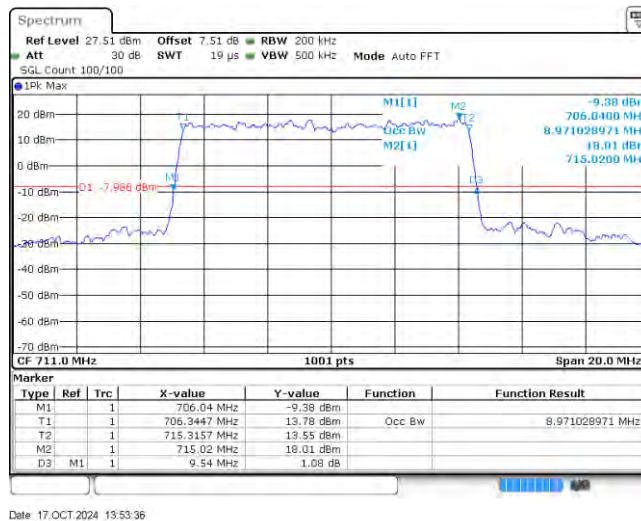
1-N12-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant0-9.271-9.860-≤10-PASS



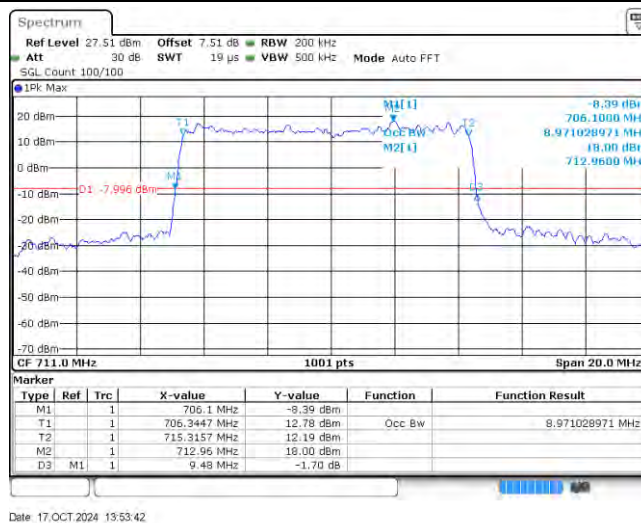
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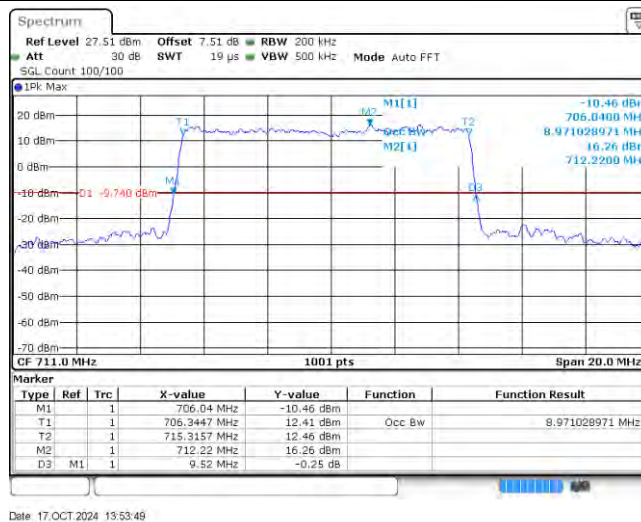
1-N12-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant0-8.991-9.500-≤10-PASS



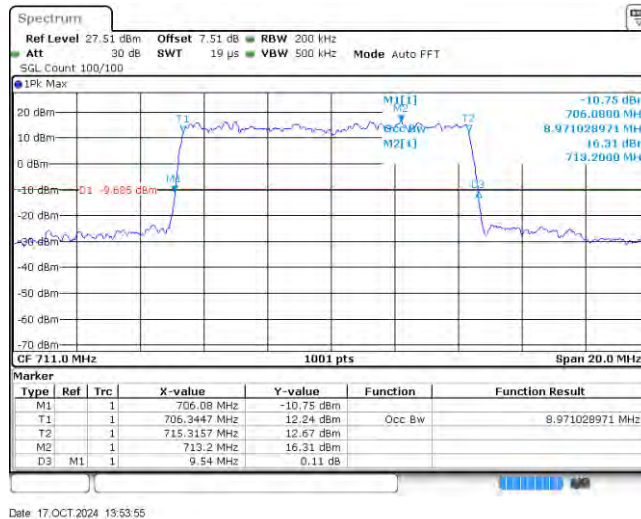
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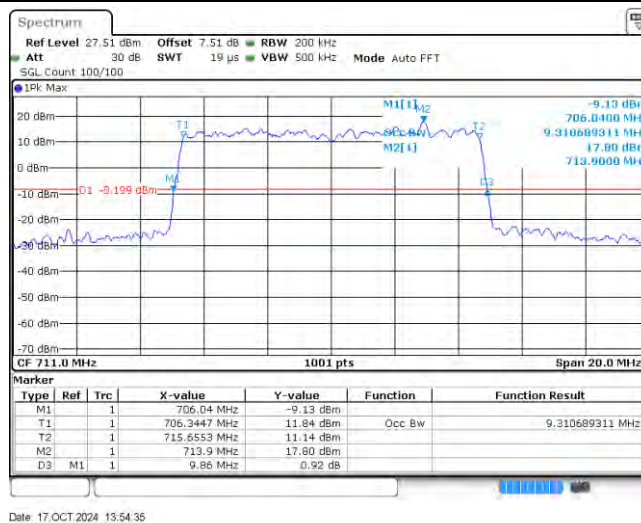
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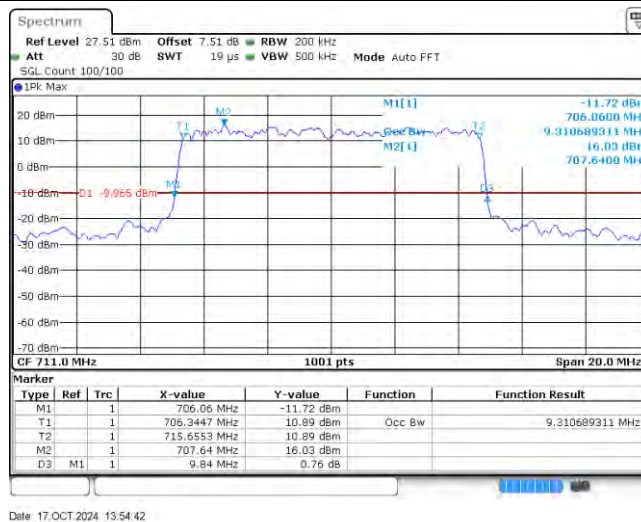
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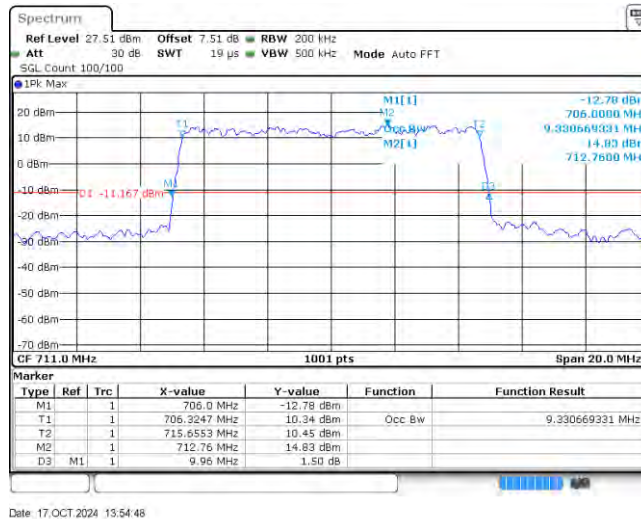
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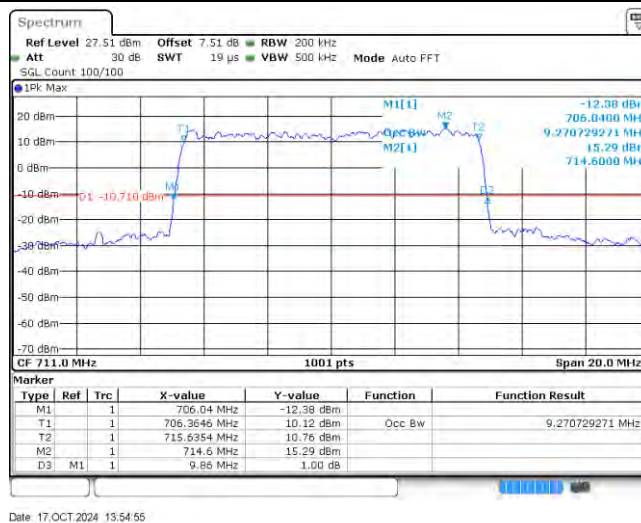
1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-9.311-9.860-≤10-PASS



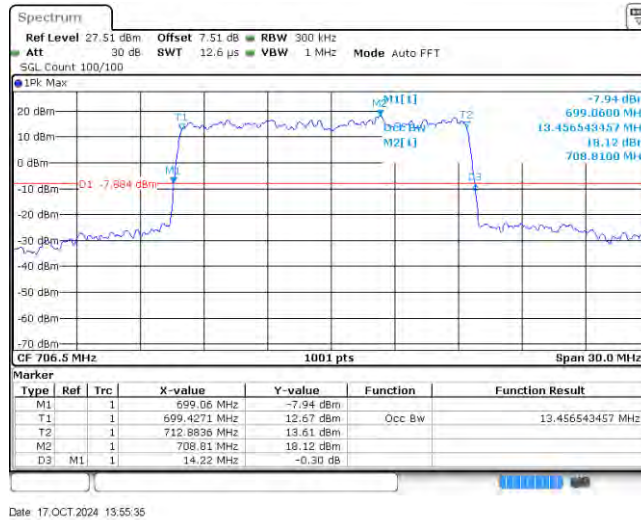
1-N12-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant0-9.311-9.840-≤10-PASS



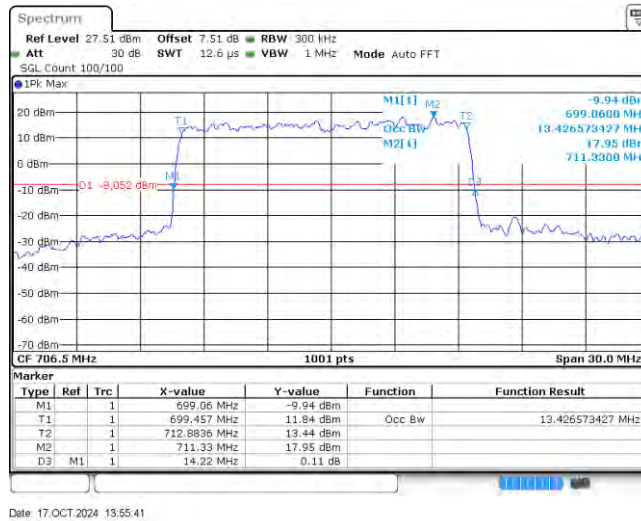
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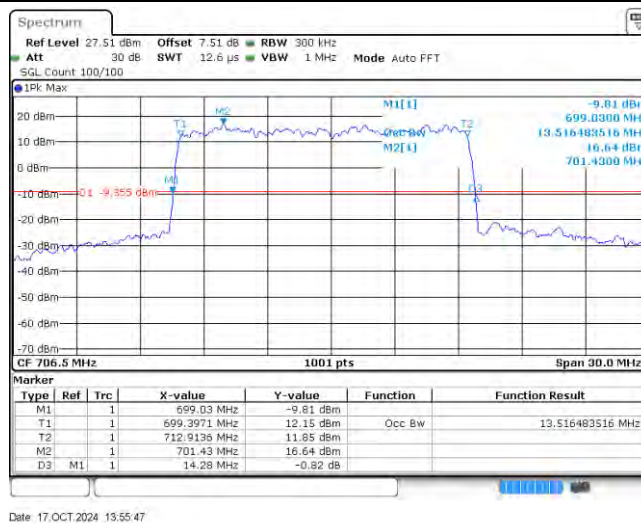
1-N12-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant0-9.271-9.860-≤10-PASS



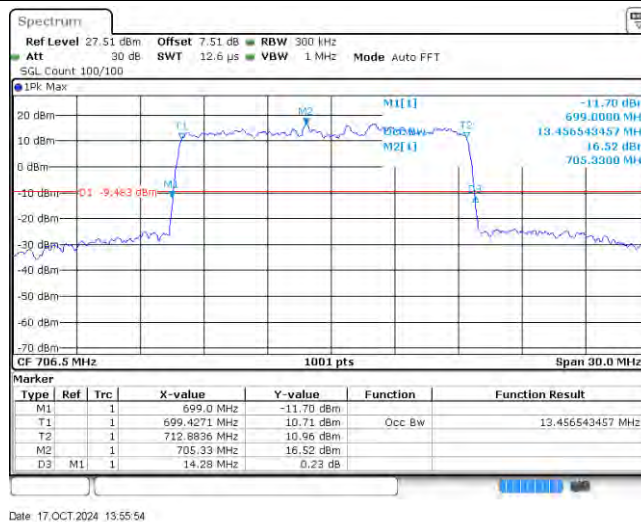
1-N12-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant0-13.457-14.220-≤15-PASS



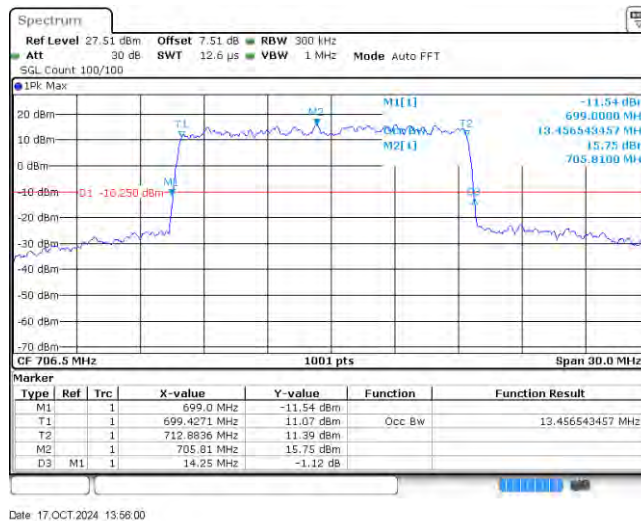
1-N12-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant0-13.427-14.220-≤15-PASS



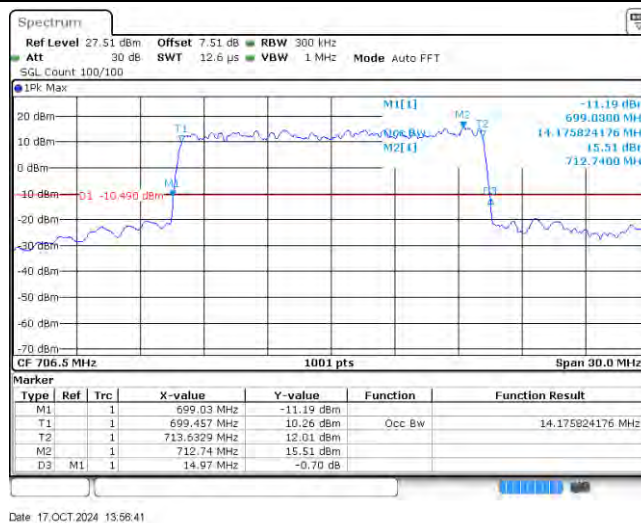
1-N12-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant0-13.516-14.280-≤15-PASS



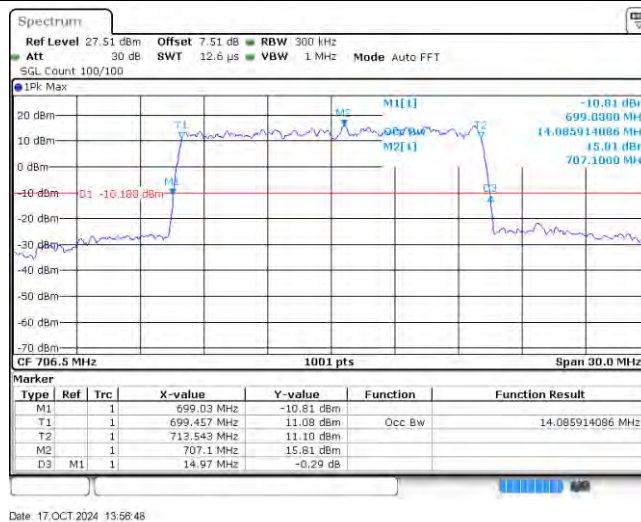
1-N12-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant0-13.457-14.280-≤15-PASS



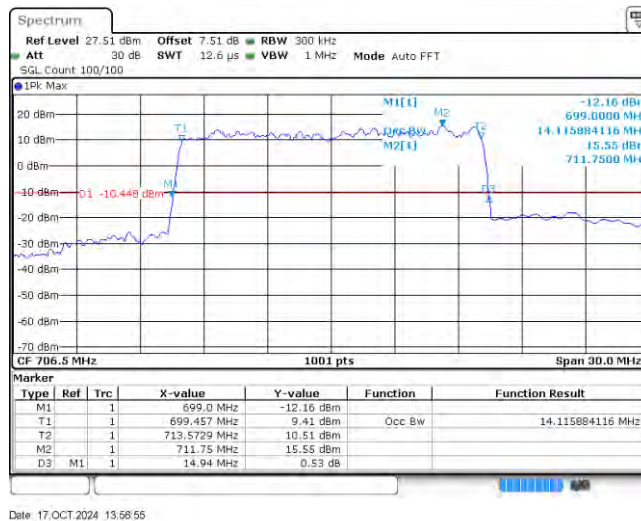
1-N12-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant0-13.457-14.250-≤15-PASS



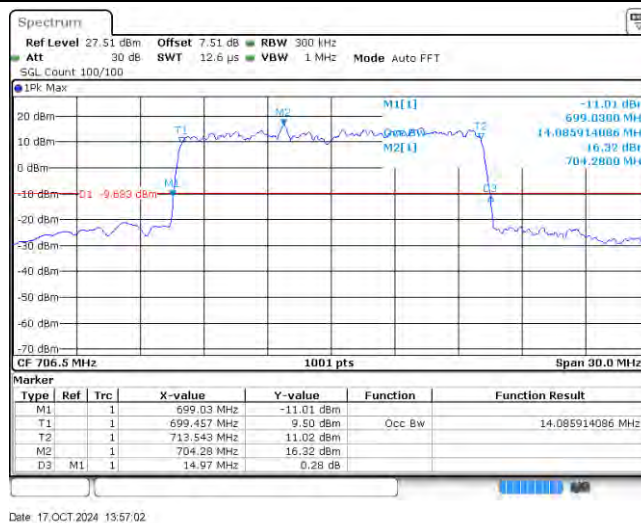
1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-14.176-14.970-≤15-PASS



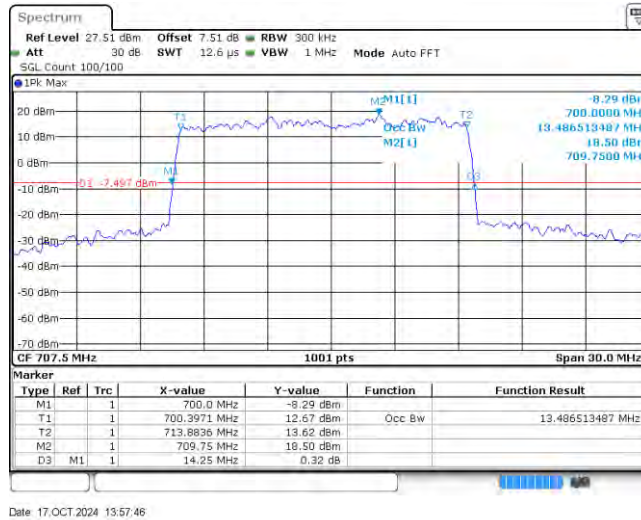
1-N12-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant0-14.086-14.970-≤15-PASS



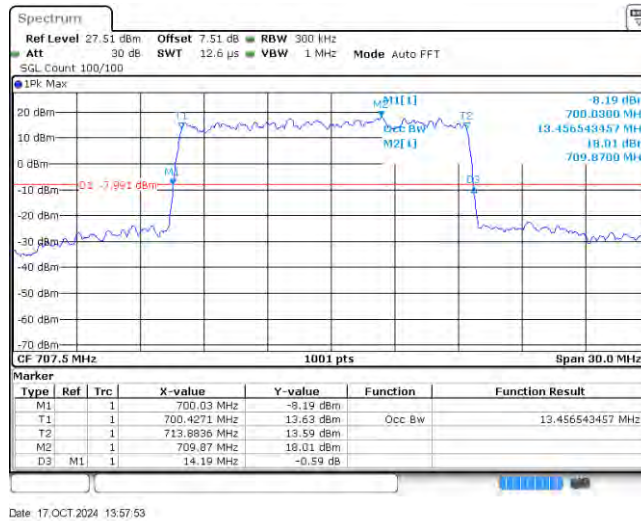
1-N12-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant0-14.116-14.940-≤15-PASS



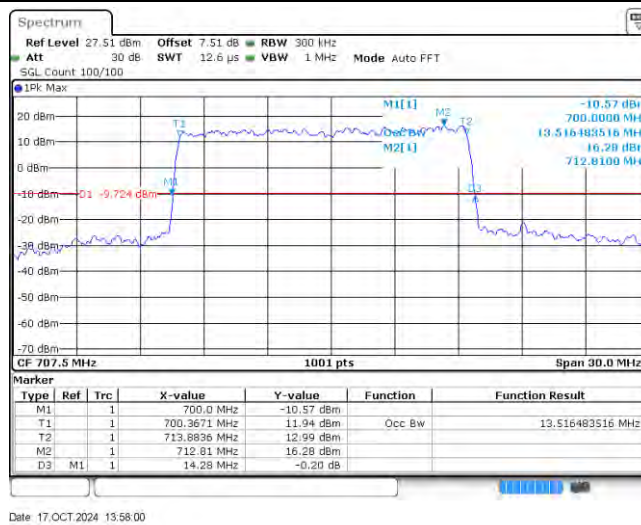
1-N12-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant0-14.086-14.970-≤15-PASS



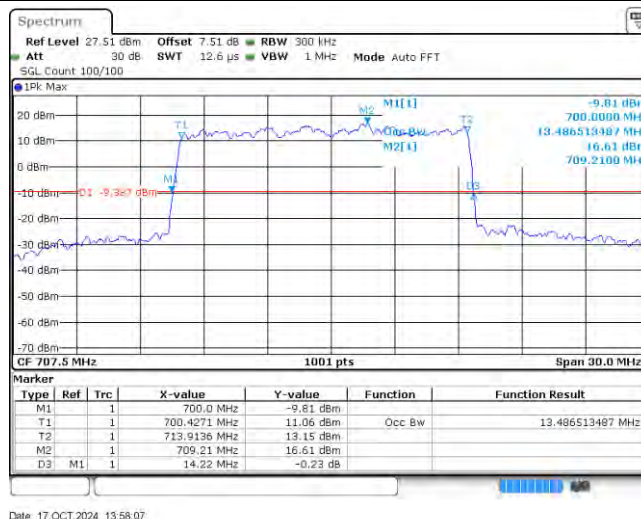
1-N12-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant0-13.487-14.250-≤15-PASS



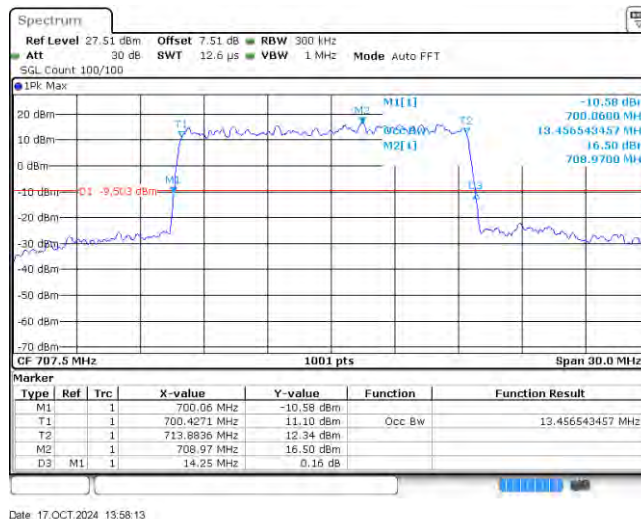
1-N12-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant0-13.457-14.190-≤15-PASS



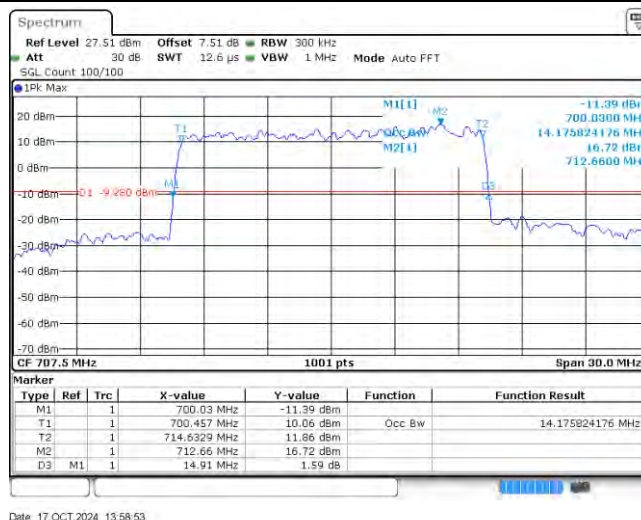
1-N12-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant0-13.516-14.280-≤15-PASS



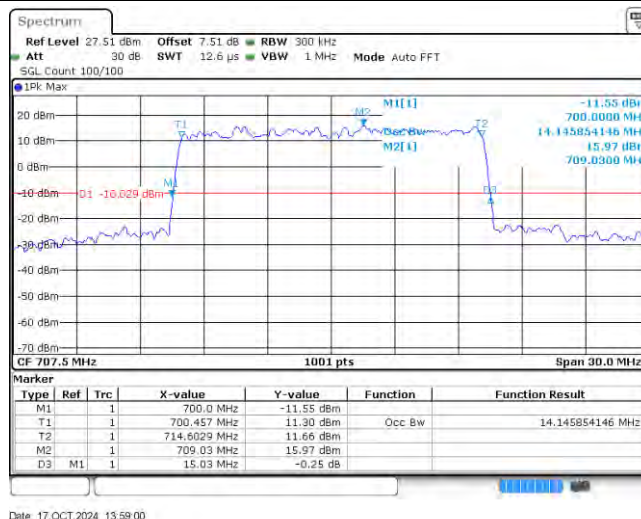
1-N12-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant0-13.487-14.220-≤15-PASS



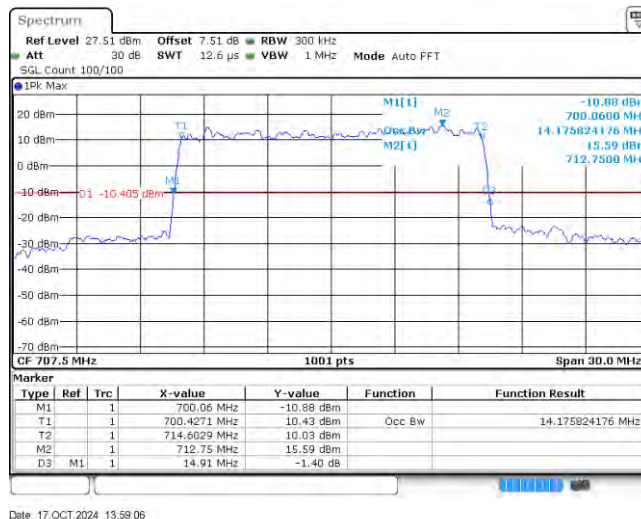
1-N12-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant0-13.457-14.250-≤15-PASS



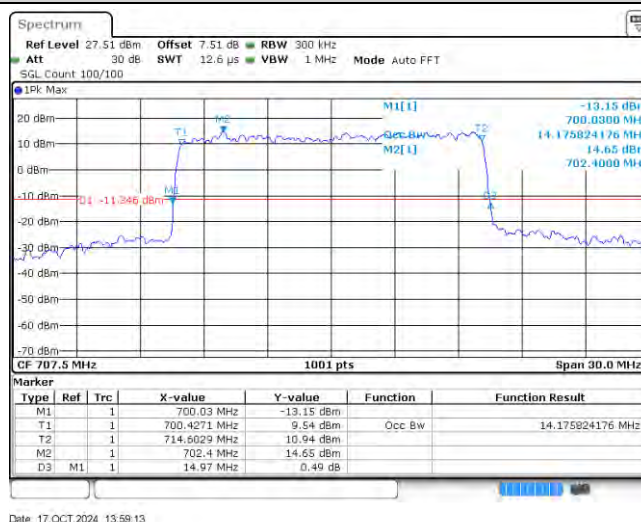
1-N12-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant0-14.176-14.910-≤15-PASS



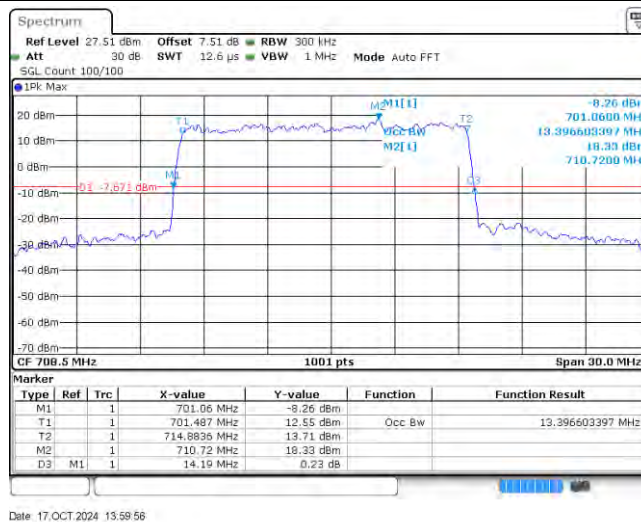
1-N12-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant0-14.146-15.030-≤15-PASS



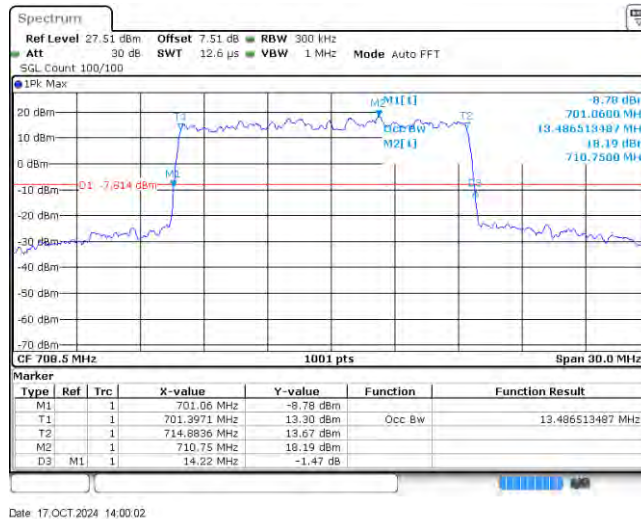
1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant0-14.176-14.910-≤15-PASS



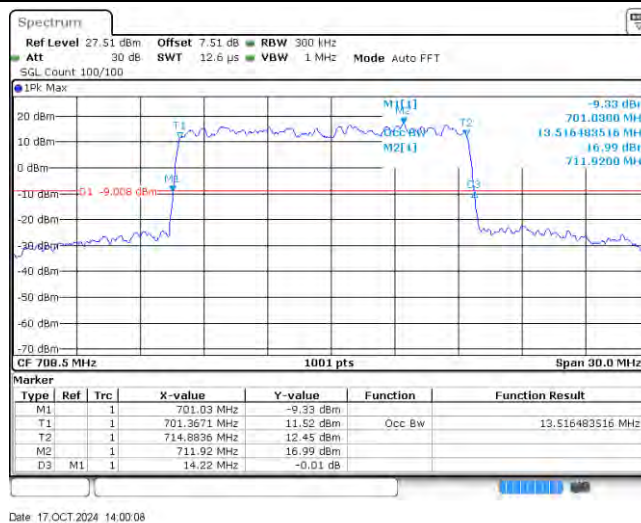
1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant0-14.176-14.970-≤15-PASS



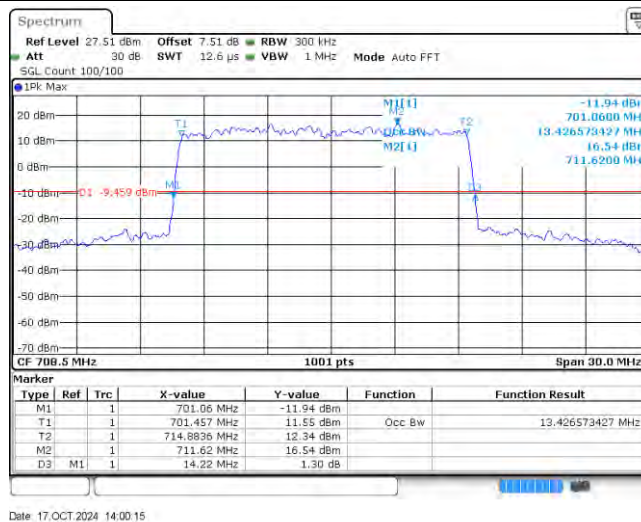
1-N12-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant0-13.397-14.190-≤15-PASS



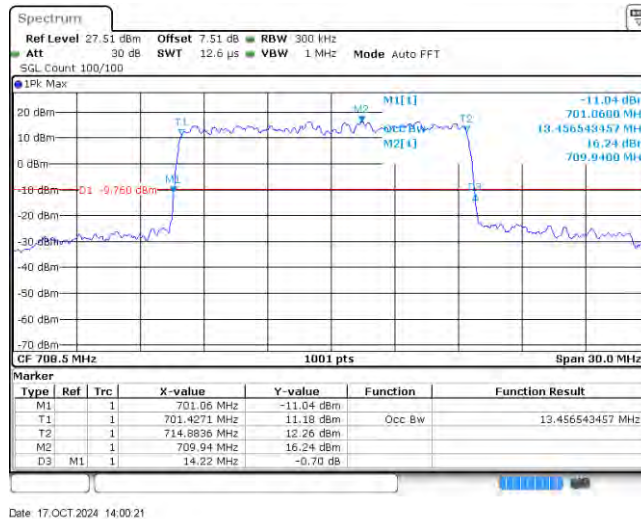
1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant0-13.487-14.220-≤15-PASS



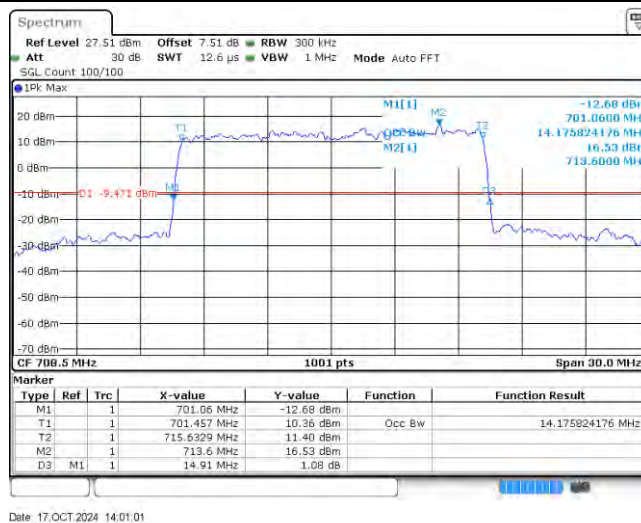
1-N12-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant0-13.516-14.220-≤15-PASS



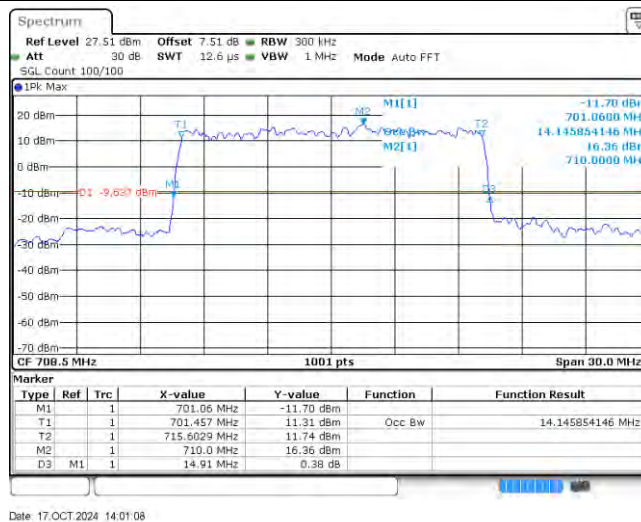
1-N12-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant0-13.427-14.220-≤15-PASS



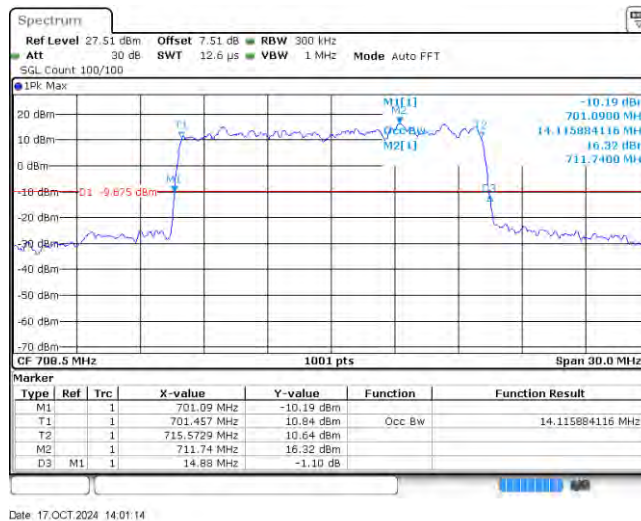
1-N12-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant0-13.457-14.220-≤15-PASS



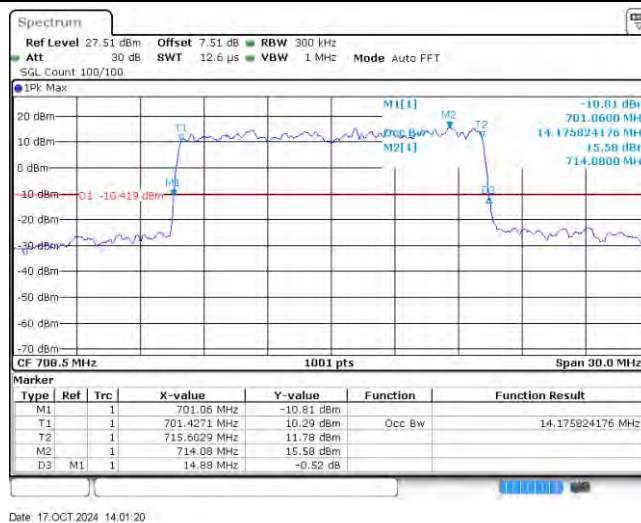
1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-14.176-14.910-≤15-PASS



1-N12-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant0-14.146-14.910-≤15-PASS



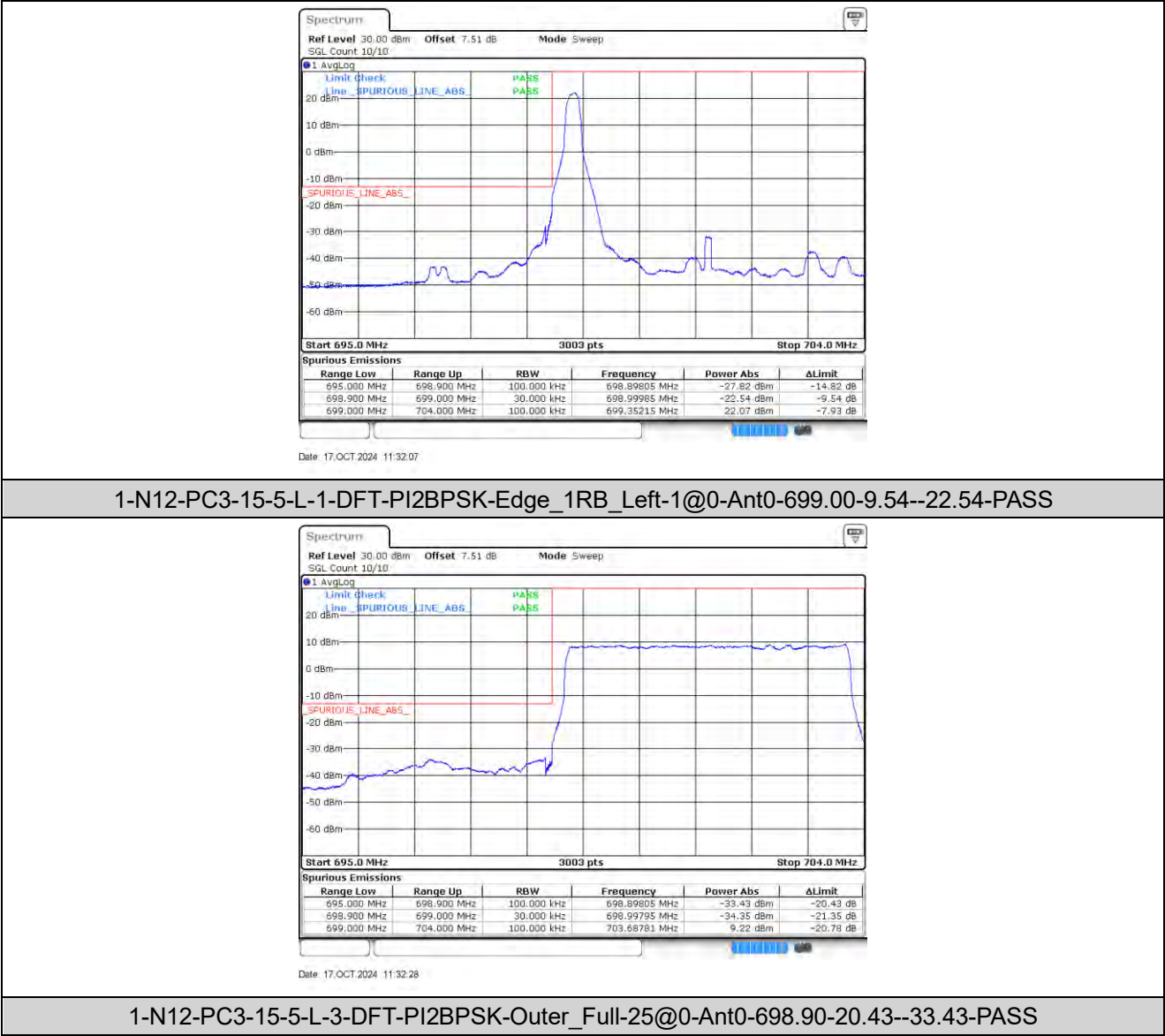
1-N12-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant0-14.116-14.880-≤15-PASS

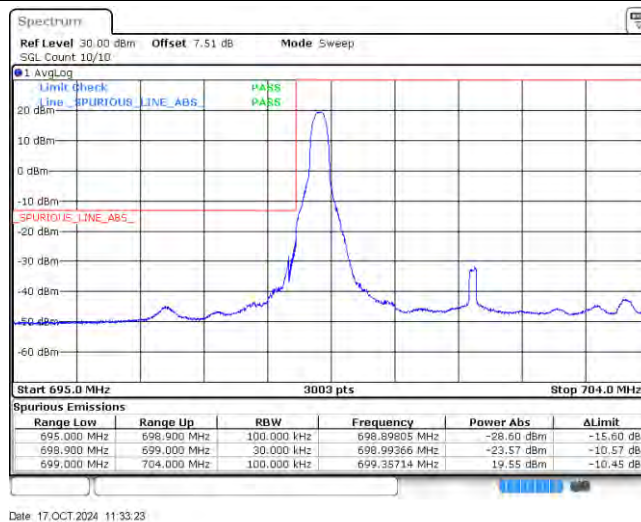


1-N12-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant0-14.176-14.880-≤15-PASS

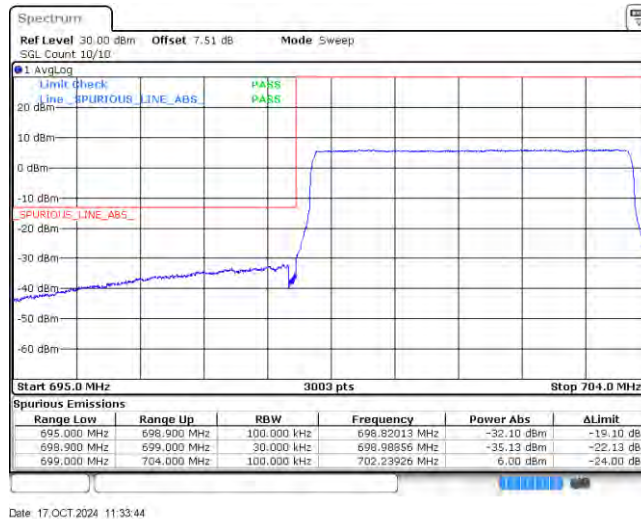
Band Edge for SA

Test Graphs

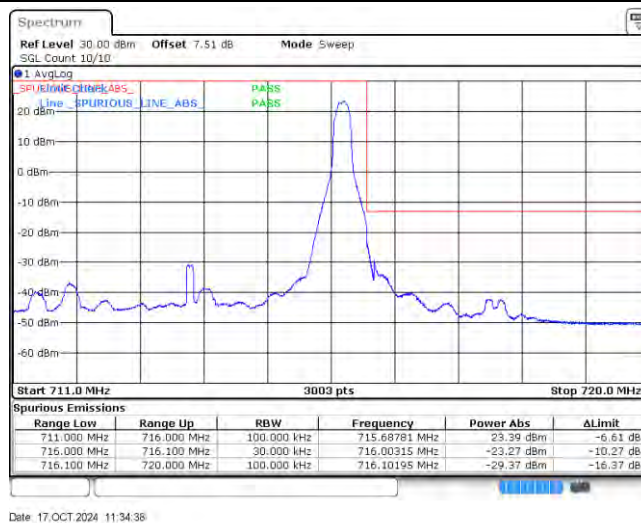




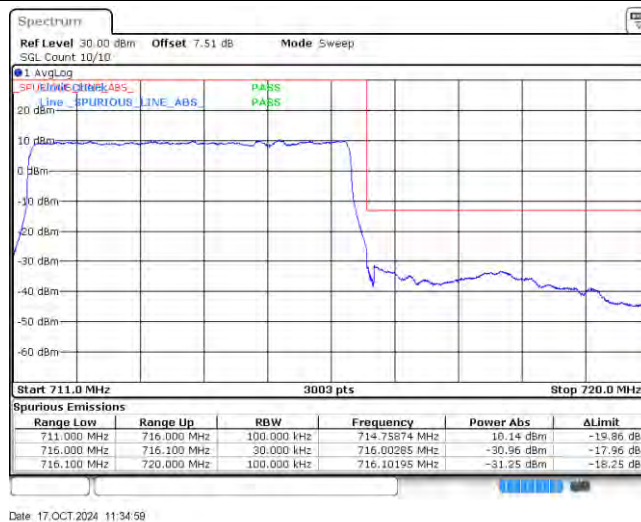
1-N12-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-698.99-10.57--23.57-PASS



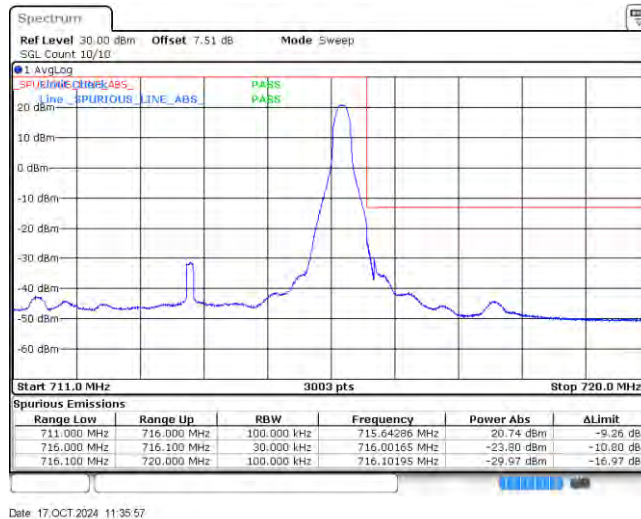
1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant0-698.82-19.10--32.10-PASS



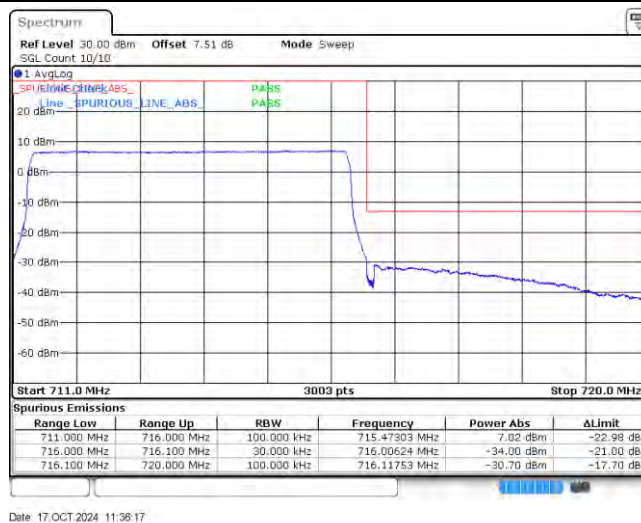
1-N12-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant0-716.00-10.27--23.27-PASS



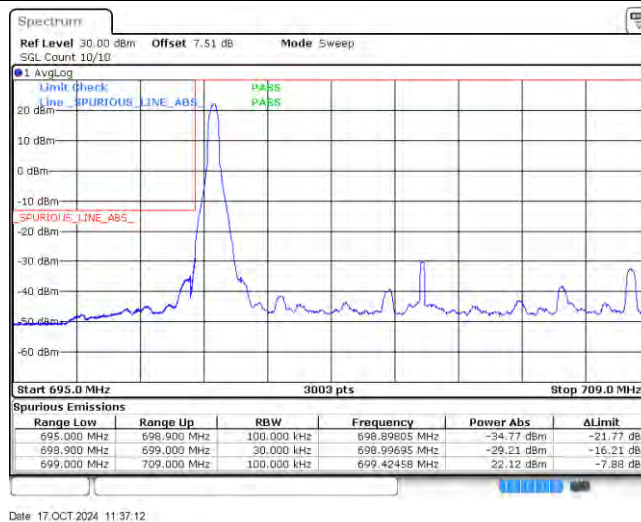
1-N12-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-716.00-17.96--30.96-PASS



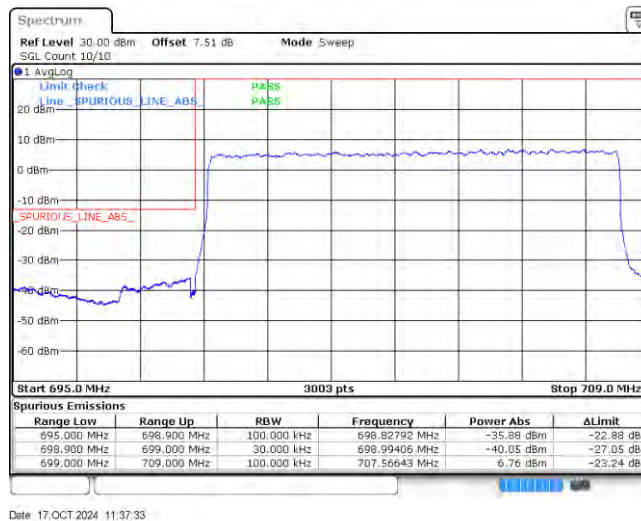
1-N12-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-716.00-10.80--23.80-PASS



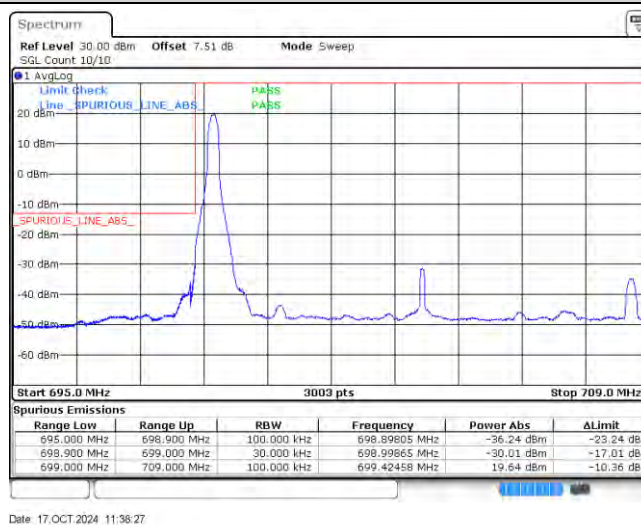
1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-716.12-17.70--30.70-PASS



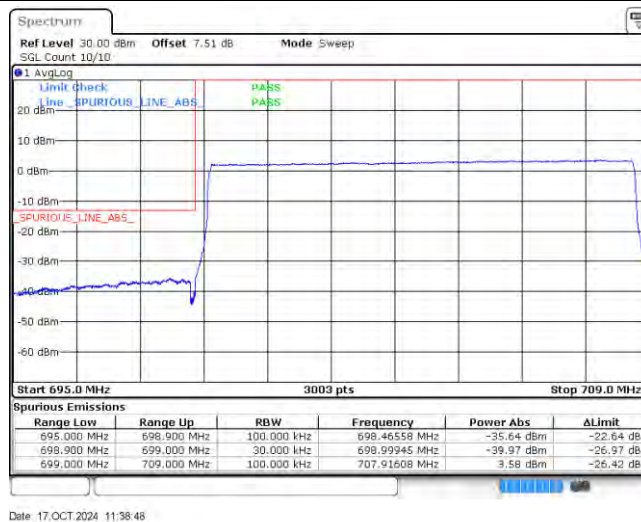
1-N12-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-699.00-16.21--29.21-PASS



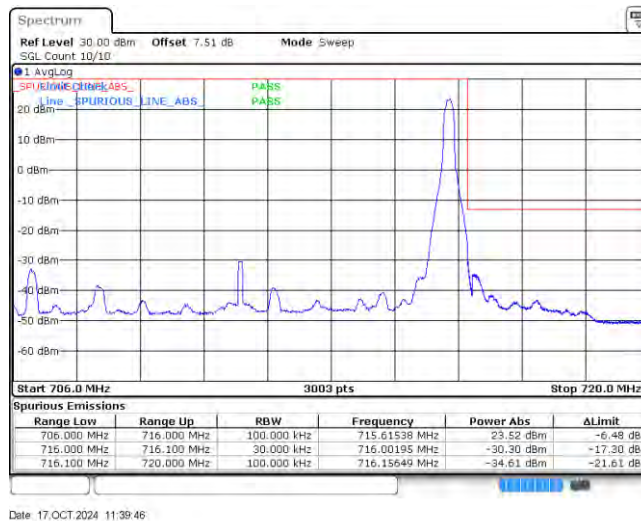
1-N12-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-698.83-22.88--35.88-PASS



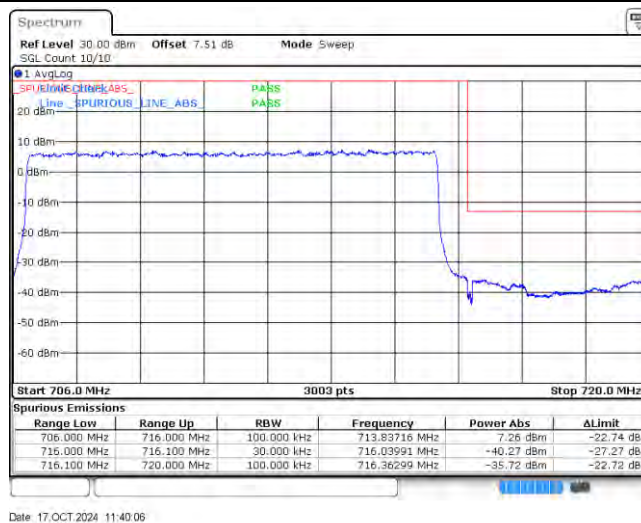
1-N12-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-699.00-17.01--30.01-PASS



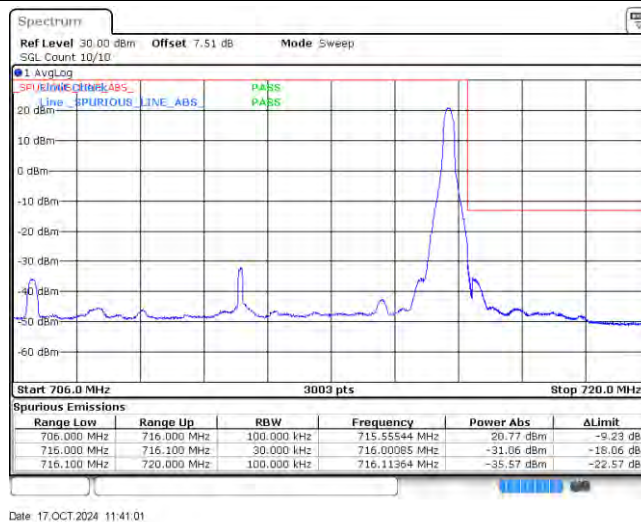
1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-698.47-22.64--35.64-PASS



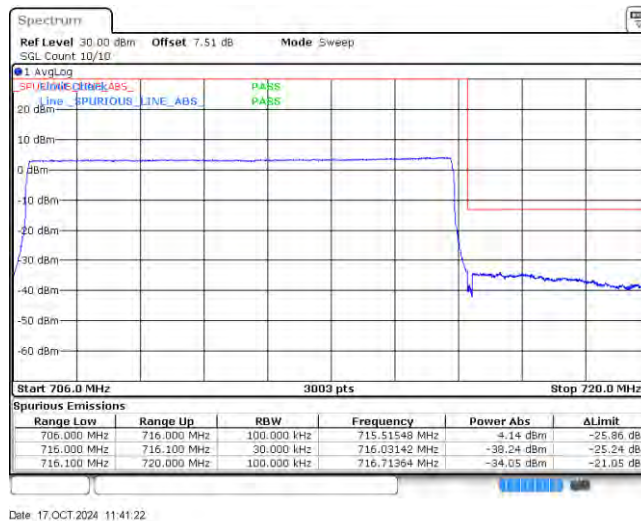
1-N12-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant0-716.00-17.30--30.30-PASS



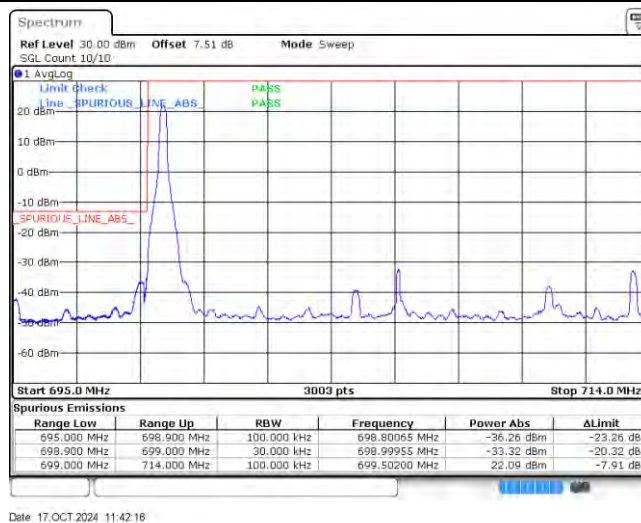
1-N12-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-716.36-22.72--35.72-PASS



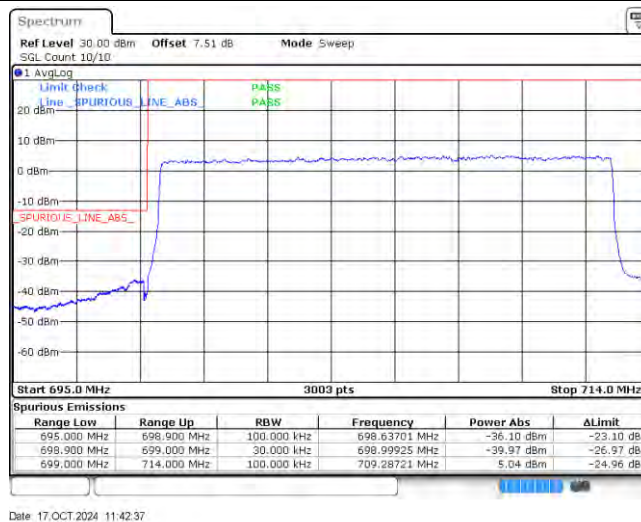
1-N12-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-716.00-18.06--31.06-PASS



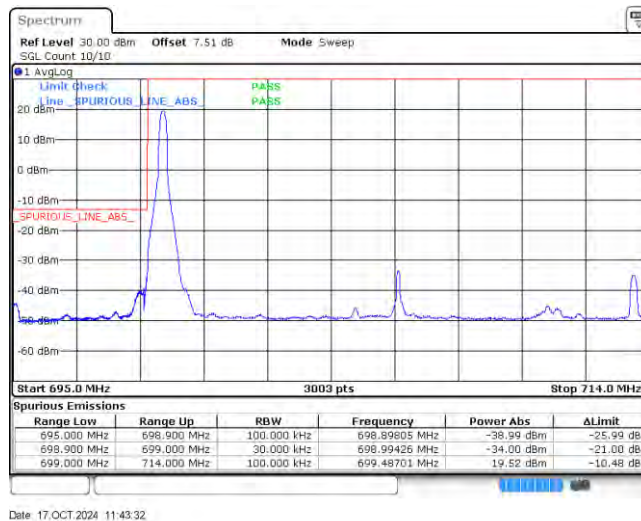
1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-716.71-21.05--34.05-PASS



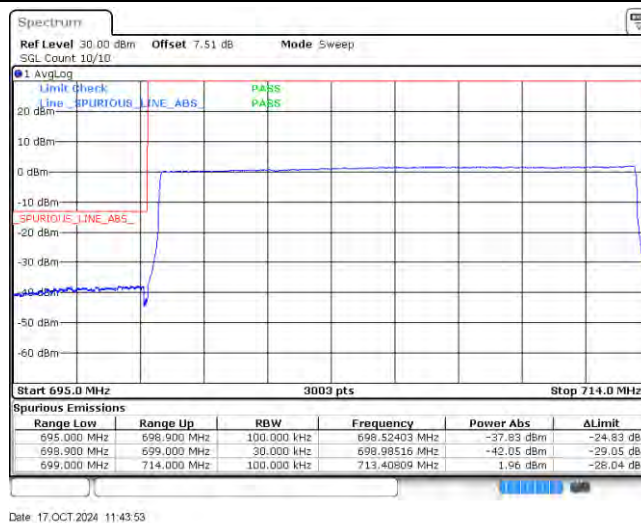
1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-699.00-20.32--33.32-PASS



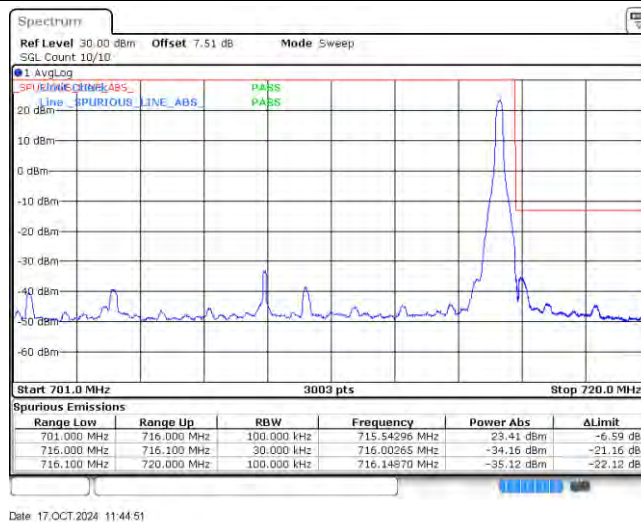
1-N12-PC3-15-15-L-3-DFT-P12BPSK-Outer_Full-75@0-Ant0-698.64-23.10--36.10-PASS



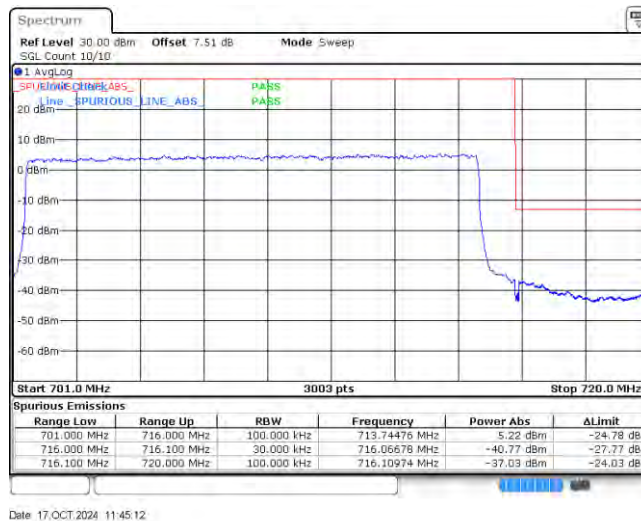
1-N12-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-698.99-21.00--34.00-PASS



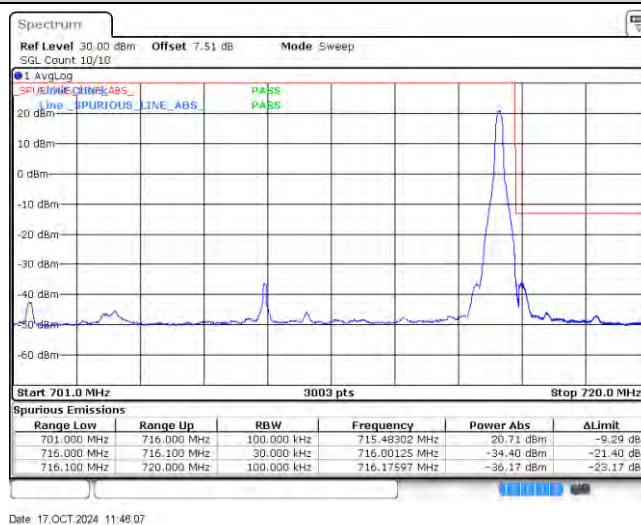
1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-698.52-24.83--37.83-PASS



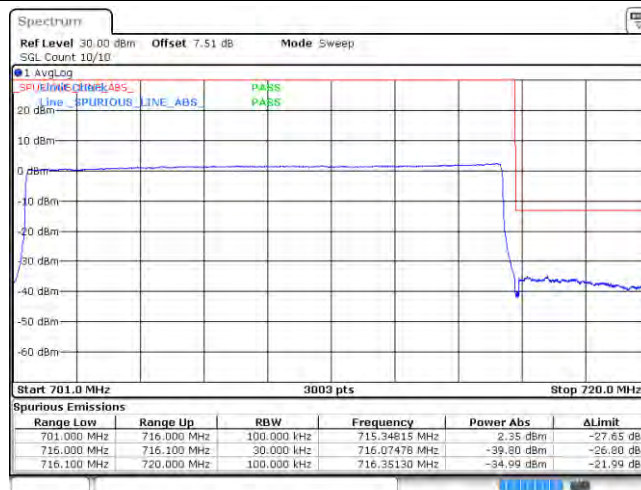
1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant0-716.00-21.16--34.16-PASS



1-N12-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-716.11-24.03--37.03-PASS



1-N12-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant0-716.00-21.40--34.40-PASS



Date 17.OCT.2024 11:46:28

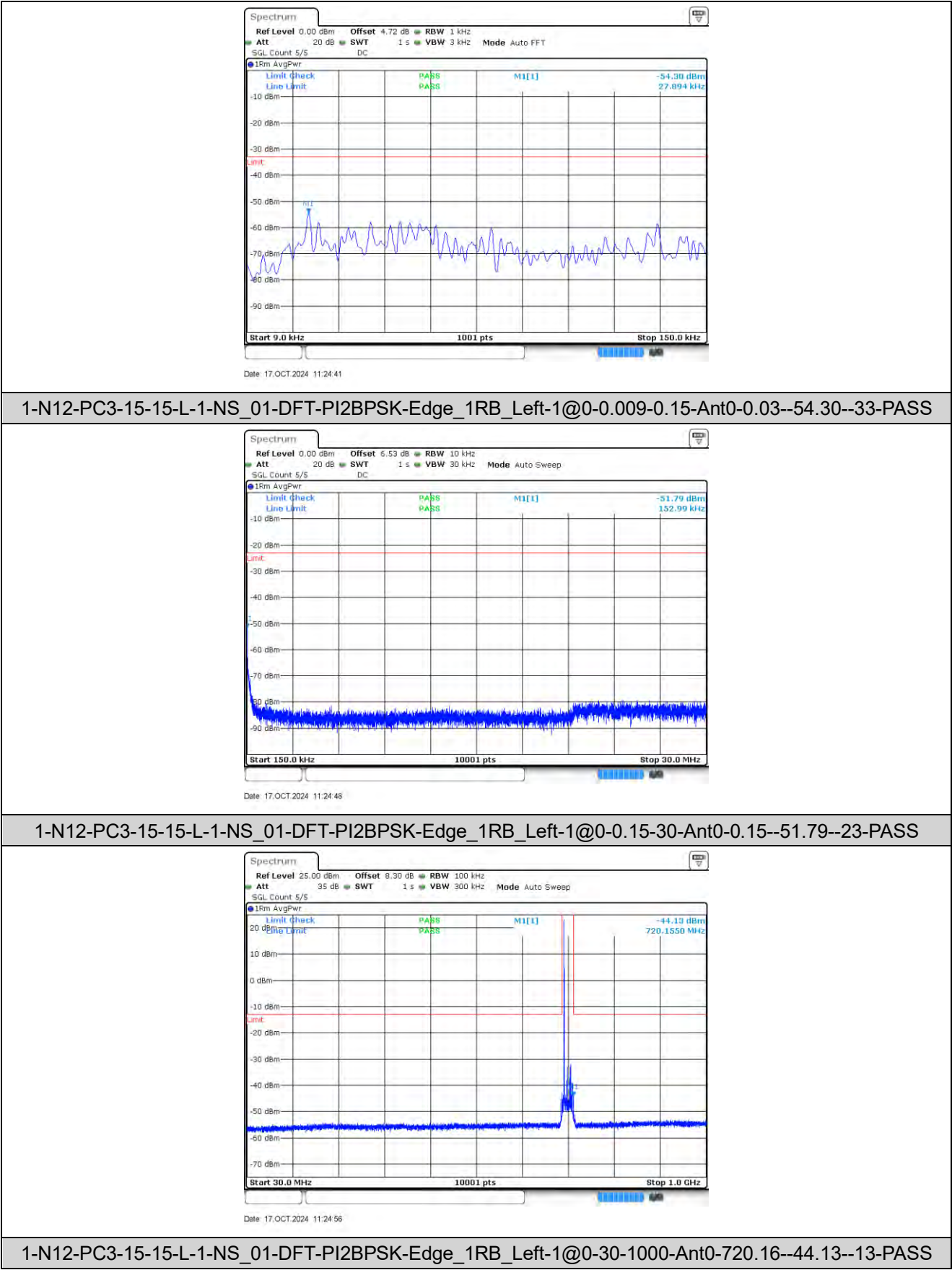
1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-716.35-21.99--34.99-PASS

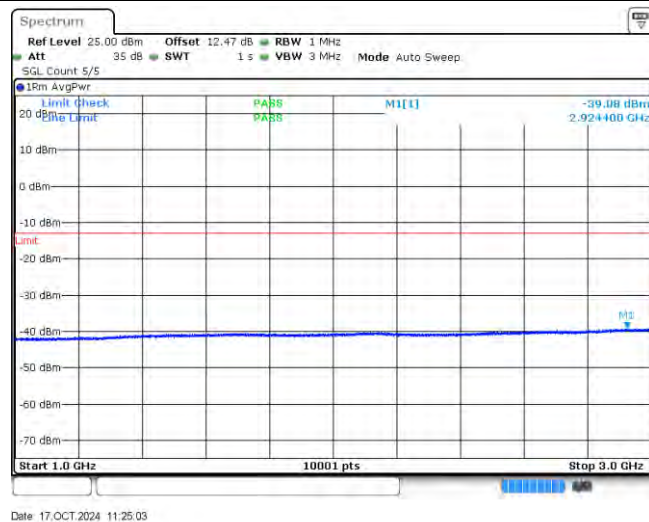
Conducted Spurious Emission for SA

Test Result

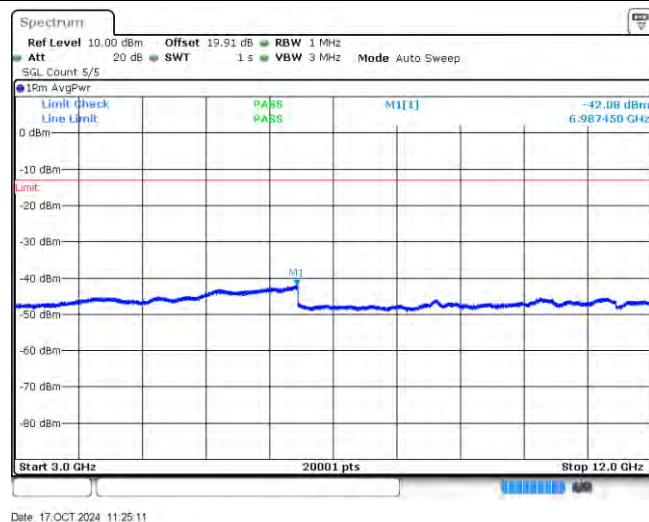
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N12	15	15	DFT-PI2BPSK	L	0.009	0.15	1@0	-54.30	-33	PASS
N12	15	15	DFT-PI2BPSK	L	0.15	30	1@0	-51.79	-23	PASS
N12	15	15	DFT-PI2BPSK	L	30	1000	1@0	-44.13	-13	PASS
N12	15	15	DFT-PI2BPSK	L	1000	3000	1@0	-39.08	-13	PASS
N12	15	15	DFT-PI2BPSK	L	3000	12000	1@0	-42.08	-13	PASS
N12	15	15	DFT-PI2BPSK	L	12000	20000	1@0	-43.99	-13	PASS
N12	15	15	DFT-PI2BPSK	M	0.009	0.15	1@0	-54.23	-33	PASS
N12	15	15	DFT-PI2BPSK	M	0.15	30	1@0	-51.82	-23	PASS
N12	15	15	DFT-PI2BPSK	M	30	1000	1@0	-44.66	-13	PASS
N12	15	15	DFT-PI2BPSK	M	1000	3000	1@0	-39.18	-13	PASS
N12	15	15	DFT-PI2BPSK	M	3000	12000	1@0	-41.99	-13	PASS
N12	15	15	DFT-PI2BPSK	M	12000	20000	1@0	-44.07	-13	PASS
N12	15	15	DFT-PI2BPSK	H	0.009	0.15	1@0	-54.27	-33	PASS
N12	15	15	DFT-PI2BPSK	H	0.15	30	1@0	-51.40	-23	PASS
N12	15	15	DFT-PI2BPSK	H	30	1000	1@0	-43.88	-13	PASS
N12	15	15	DFT-PI2BPSK	H	1000	3000	1@0	-39.07	-13	PASS
N12	15	15	DFT-PI2BPSK	H	3000	12000	1@0	-41.96	-13	PASS
N12	15	15	DFT-PI2BPSK	H	12000	20000	1@0	-43.84	-13	PASS

Test Graphs

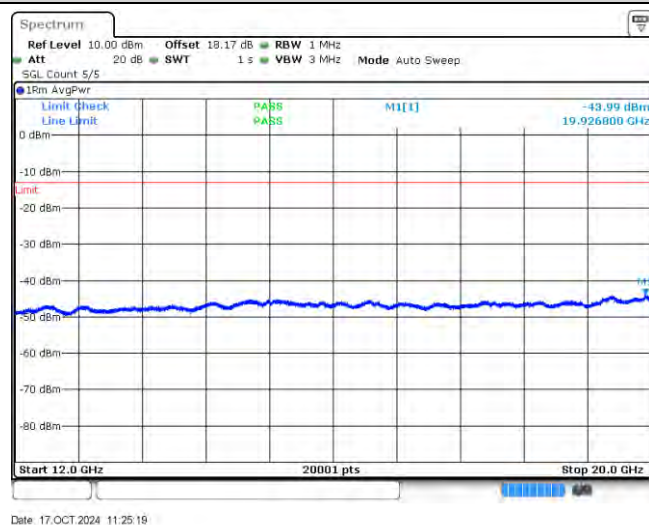




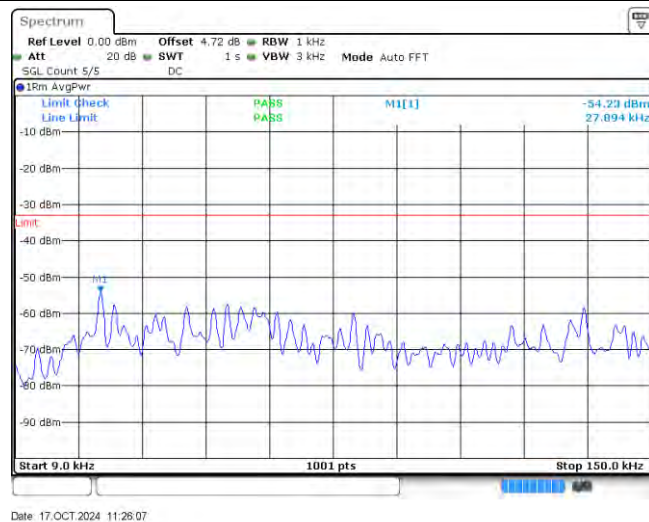
1-N12-PC3-15-15-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant0-2924.40--39.08--13-PA
SS



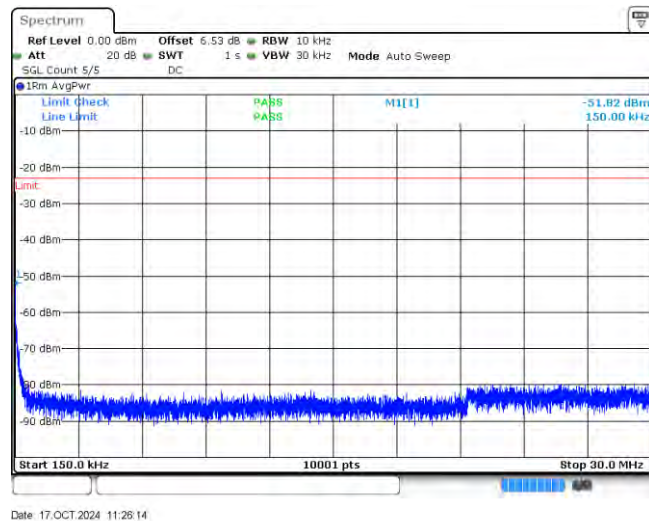
1-N12-PC3-15-15-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant0-6987.45--42.08--13-PA
SS



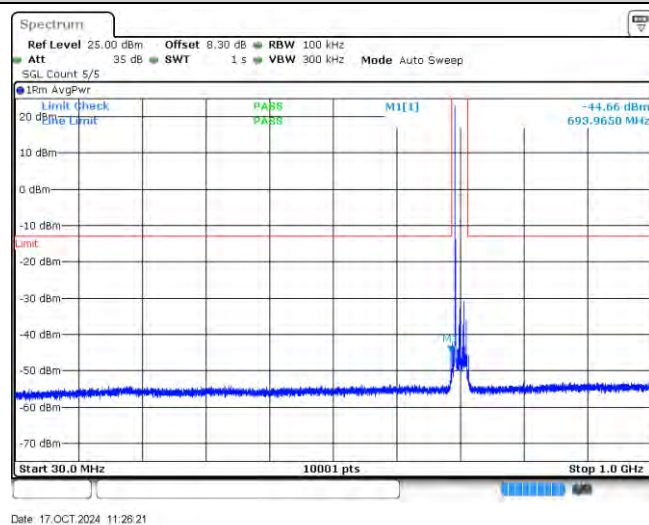
1-N12-PC3-15-15-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant0-19926.80--43.99--13-PA
PASS



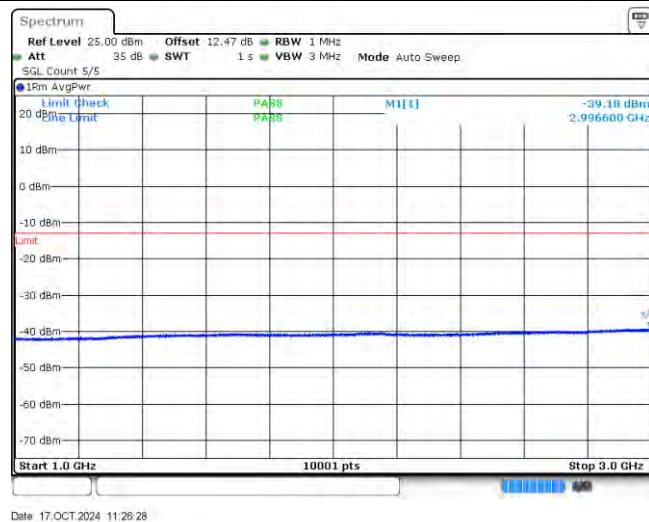
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant0-0.03--54.23--33-PASS



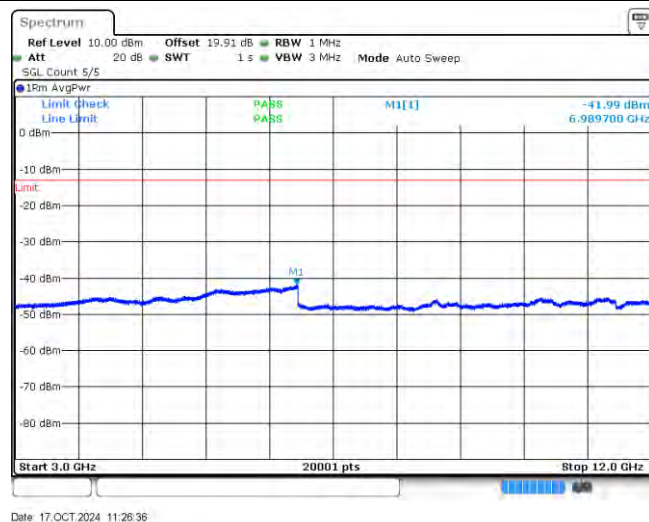
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant0-0.15--51.82--23-PASS



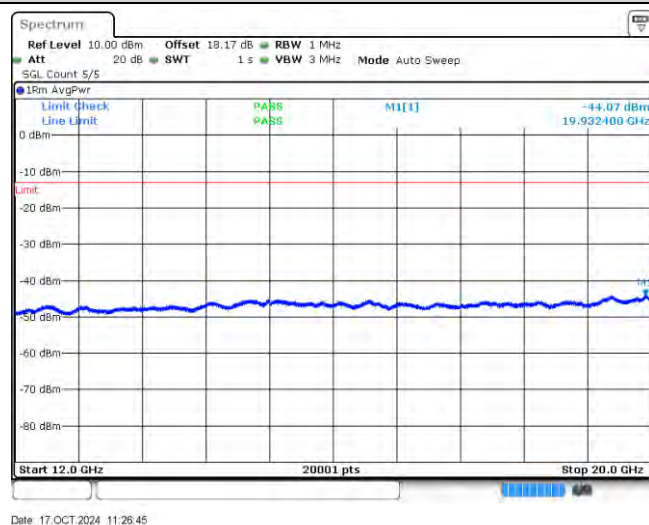
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant0-693.97--44.66--13-PASS



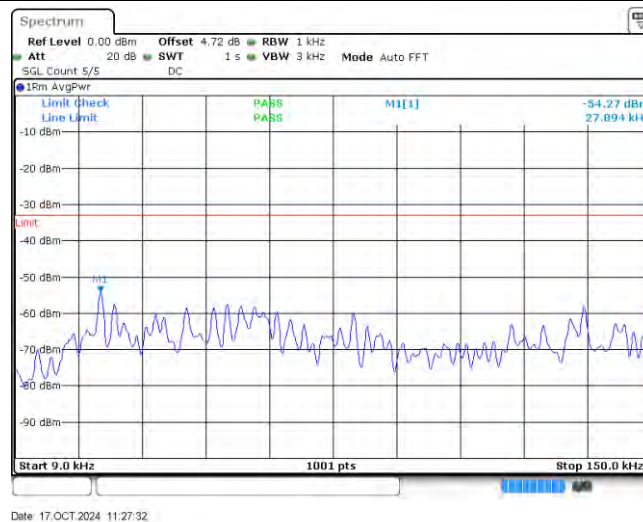
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant0-2996.60--39.18--13-PA
SS



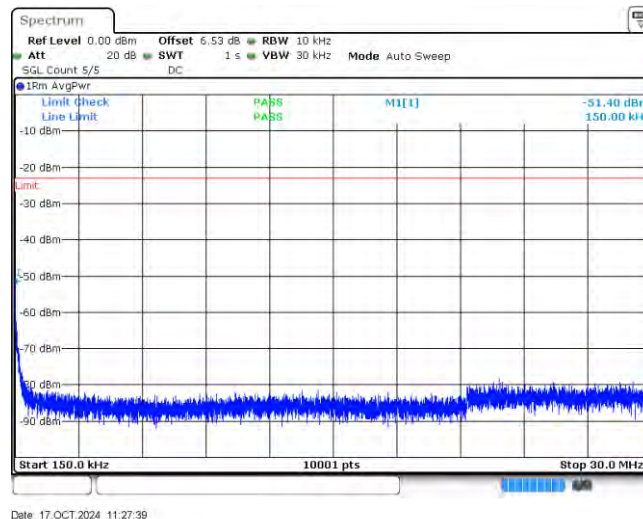
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant0-6989.70--41.99--13-P
ASS



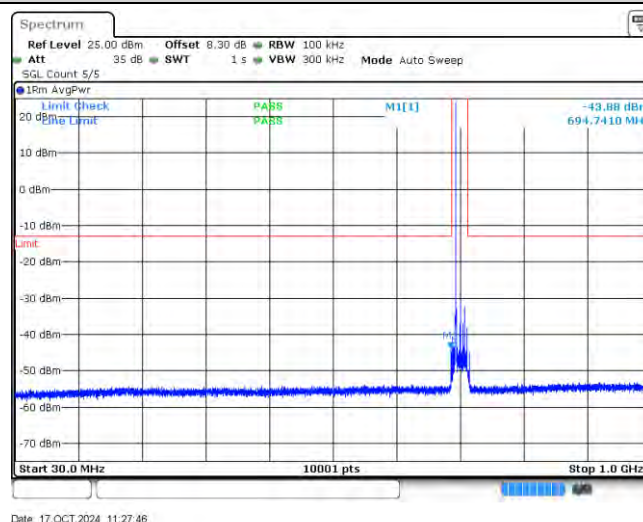
1-N12-PC3-15-15-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant0-19932.40--44.07--13
-PASS



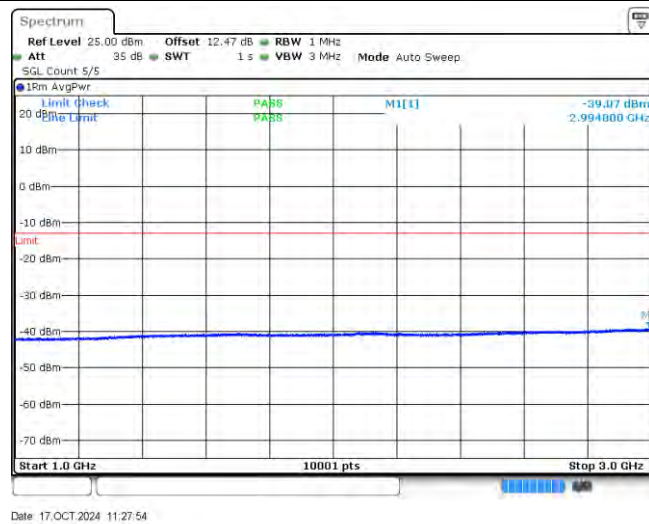
1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant0-0.03--54.27--33-PASS



1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant0-0.15--51.40--23-PASS



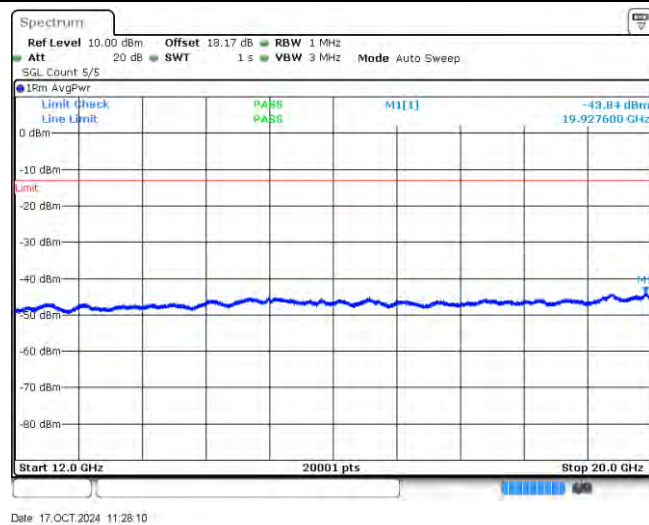
1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant0-694.74--43.88--13-PASS



1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant0-2994.80--39.07--13-PA
SS



1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-12000-Ant0-6966.75--41.96--13-P
ASS



1-N12-PC3-15-15-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-12000-20000-Ant0-19927.60--43.84--13
-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	75@0	HV	NT	-0.91	-0.00129	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	NT	-1.96	-0.00277	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	LV	NT	-1.47	-0.00208	PASS
N12	15	15	CP-QPSK	M	79@0	HV	NT	-2.03	-0.00287	PASS
N12	15	15	CP-QPSK	M	79@0	NV	NT	-3.13	-0.00442	PASS
N12	15	15	CP-QPSK	M	79@0	LV	NT	-0.71	-0.00100	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	75@0	NV	50	-3.047000	-0.004307	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	-20	-2.304000	-0.003257	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	-10	-2.674000	-0.003780	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	0	-1.253000	-0.001771	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	10	-2.786000	-0.003938	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	20	-2.526000	-0.003570	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	30	-0.821000	-0.001160	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	-30	-1.580000	-0.002233	PASS
N12	15	15	DFT-PI2BPSK	M	75@0	NV	40	-2.678000	-0.003785	PASS
N12	15	15	CP-QPSK	M	79@0	NV	50	-3.051000	-0.004312	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-20	-0.577000	-0.000816	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-10	-2.352000	-0.003324	PASS
N12	15	15	CP-QPSK	M	79@0	NV	0	-2.670000	-0.003774	PASS
N12	15	15	CP-QPSK	M	79@0	NV	10	-2.202000	-0.003112	PASS
N12	15	15	CP-QPSK	M	79@0	NV	20	-0.612000	-0.000865	PASS
N12	15	15	CP-QPSK	M	79@0	NV	30	-2.601000	-0.003676	PASS
N12	15	15	CP-QPSK	M	79@0	NV	40	-2.320000	-0.003279	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-30	-2.458000	-0.003474	PASS

Field Strength of Spurious Radiation

NR N12 ANT1-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.5	-60.87	-13	-47.87	-63.64	2.47	5.24	Horizontal	Pass
2099.25	-69.79	-13	-56.79	-71.86	2.79	4.86	Horizontal	Pass
2799.0	-68.52	-13	-55.52	-71.88	3.12	6.48	Horizontal	Pass
1399.5	-64.36	-13	-51.36	-67.13	2.47	5.24	Vertical	Pass
2099.25	-69.47	-13	-56.47	-71.54	2.79	4.86	Vertical	Pass
2799.0	-68.24	-13	-55.24	-71.6	3.12	6.48	Vertical	Pass

NR N12 ANT1-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1401.5	-61.6	-13	-48.6	-64.38	2.48	5.26	Horizontal	Pass
2102.25	-69.98	-13	-56.98	-72.06	2.79	4.87	Horizontal	Pass
2803.0	-68.94	-13	-55.94	-72.31	3.12	6.49	Horizontal	Pass
1401.5	-63.0	-13	-50.0	-65.78	2.48	5.26	Vertical	Pass
2102.25	-69.97	-13	-56.97	-72.05	2.79	4.87	Vertical	Pass
2803.0	-69.04	-13	-56.04	-72.41	3.12	6.49	Vertical	Pass

NR N12 ANT1-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1403.5	-60.94	-13	-47.94	-63.73	2.48	5.27	Horizontal	Pass
2105.25	-70.03	-13	-57.03	-72.1	2.8	4.87	Horizontal	Pass
2807.0	-67.93	-13	-54.93	-71.31	3.12	6.5	Horizontal	Pass
1403.5	-63.93	-13	-50.93	-66.72	2.48	5.27	Vertical	Pass
2105.25	-69.59	-13	-56.59	-71.66	2.8	4.87	Vertical	Pass
2807.0	-68.85	-13	-55.85	-72.23	3.12	6.5	Vertical	Pass