

Transmitter Conducted Power Output for SA

Test Result

Ant 1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Limit (dBm)	Verdict
N26-814-824	15	5	DFT-QPSK	L	1@1	23.9	50	PASS
N26-814-824	15	5	DFT-QPSK	L	1@23	23.92	50	PASS
N26-814-824	15	5	DFT-QPSK	L	25@0	23.97	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@1	24.06	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@23	23.82	50	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	23.71	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@1	23.17	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@23	23.22	50	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	23.23	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@1	22.81	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@23	22.95	50	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	23.22	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@1	23.91	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@23	23.9	50	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	23.93	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@1	23.76	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@23	24.11	50	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	23.62	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@1	23.2	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@23	23.22	50	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	23.19	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@1	22.94	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@23	22.92	50	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	23.18	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@1	23.9	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@23	24	50	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	23.95	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@1	23.78	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@23	23.83	50	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	23.62	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@1	23.18	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@23	23.27	50	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	23.13	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@1	22.89	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@23	23.01	50	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	23.14	50	PASS

N26-814-824	15	10	DFT-QPSK	M	1@1	23.92	50	PASS
N26-814-824	15	10	DFT-QPSK	M	1@50	24.09	50	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	24	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@1	23.8	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@50	23.96	50	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	23.72	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@1	23.21	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@50	23.37	50	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	23.21	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@1	22.95	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@50	23.11	50	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	23.23	50	PASS

Peak-to-Average Ratio for SA

Test Graphs



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-256QAM-Outer_Full-50@0-6.22dB-PASS



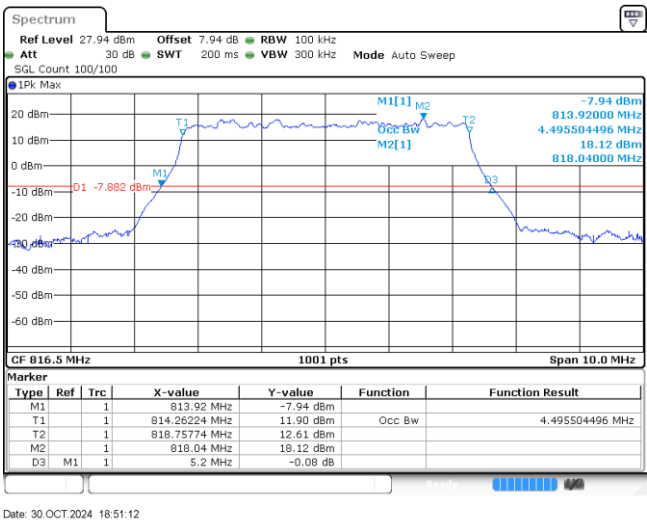
1-N26-814-824-PC3-15-10-M-2-NS_01-CP-256QAM-Outer_Full-52@0-7.49dB-PASS

26dB Bandwidth and Occupied Bandwidth for SA

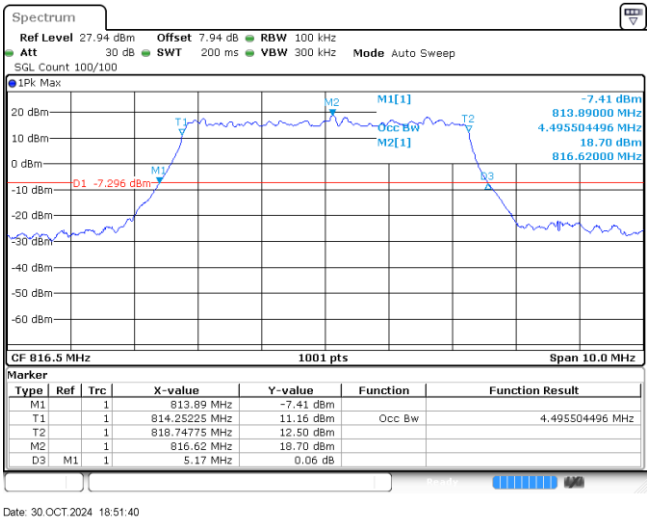
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N26-814-824	15	5	DFT-QPSK	L	25@0	4.496	5.200	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	4.496	5.170	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	4.515	5.220	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	4.505	5.200	PASS
N26-814-824	15	5	CP-QPSK	L	25@0	4.496	5.270	PASS
N26-814-824	15	5	CP-16QAM	L	25@0	4.496	5.230	PASS
N26-814-824	15	5	CP-64QAM	L	25@0	4.515	5.270	PASS
N26-814-824	15	5	CP-256QAM	L	25@0	4.505	5.290	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	4.496	5.180	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	4.486	5.040	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	4.505	5.180	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	4.505	5.200	PASS
N26-814-824	15	5	CP-QPSK	M	25@0	4.525	5.370	PASS
N26-814-824	15	5	CP-16QAM	M	25@0	4.525	5.200	PASS
N26-814-824	15	5	CP-64QAM	M	25@0	4.505	5.350	PASS
N26-814-824	15	5	CP-256QAM	M	25@0	4.515	5.310	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	4.515	5.240	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	4.515	5.170	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	4.535	5.290	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	4.525	5.190	PASS
N26-814-824	15	5	CP-QPSK	H	25@0	4.496	5.270	PASS
N26-814-824	15	5	CP-16QAM	H	25@0	4.496	5.220	PASS
N26-814-824	15	5	CP-64QAM	H	25@0	4.496	5.310	PASS
N26-814-824	15	5	CP-256QAM	H	25@0	4.505	5.320	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	8.971	9.880	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	8.991	9.820	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	8.951	9.880	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	8.951	9.820	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	9.271	10.260	PASS
N26-814-824	15	10	CP-16QAM	M	52@0	9.311	10.260	PASS
N26-814-824	15	10	CP-64QAM	M	52@0	9.311	10.280	PASS
N26-814-824	15	10	CP-256QAM	M	52@0	9.331	10.320	PASS

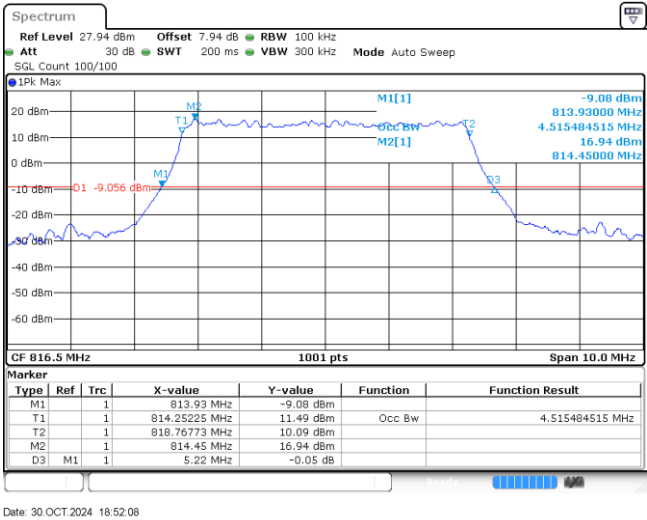
Test Graphs



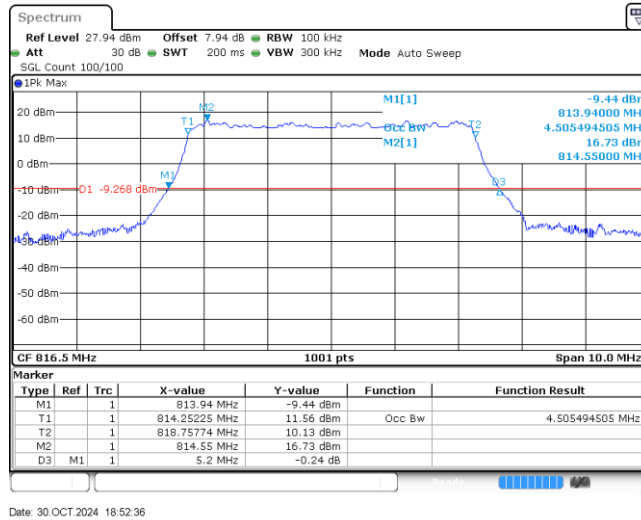
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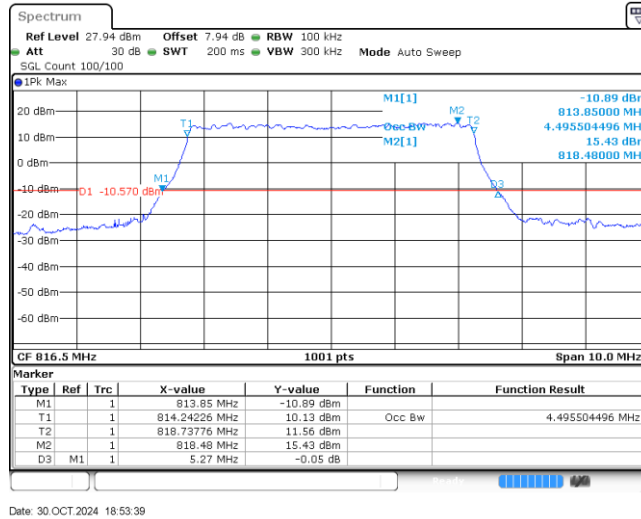
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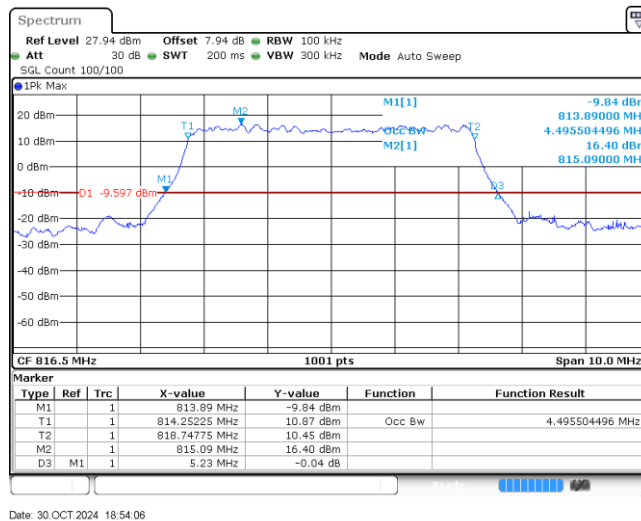
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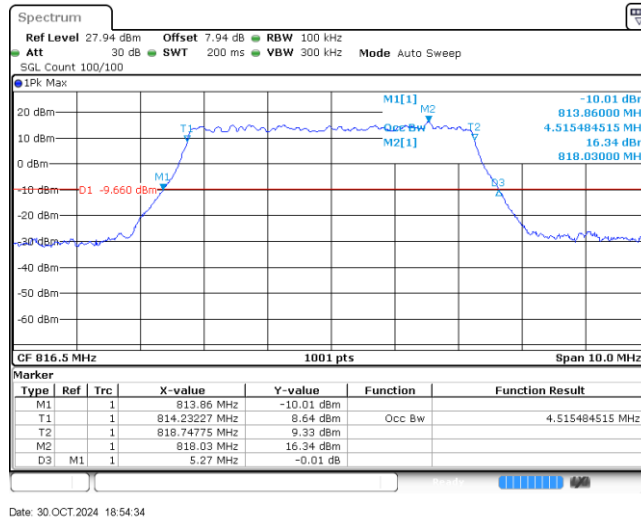
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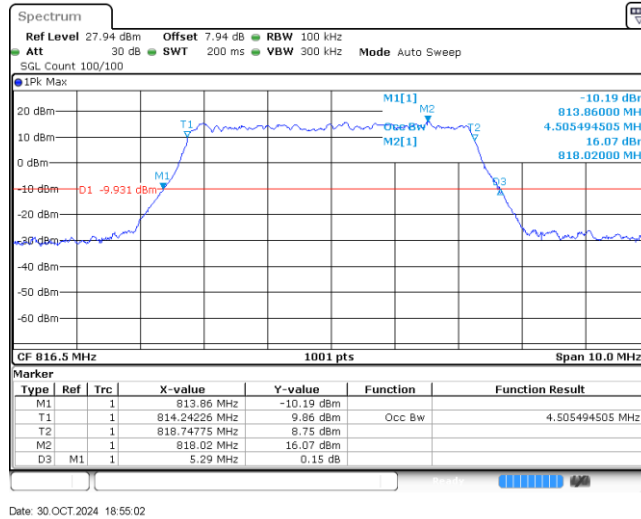
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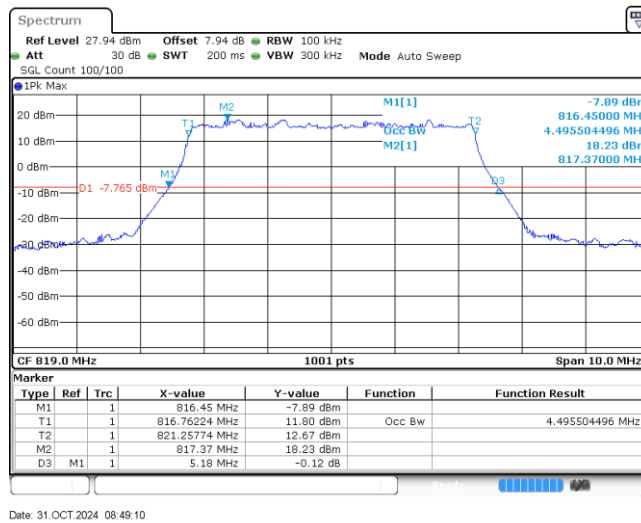
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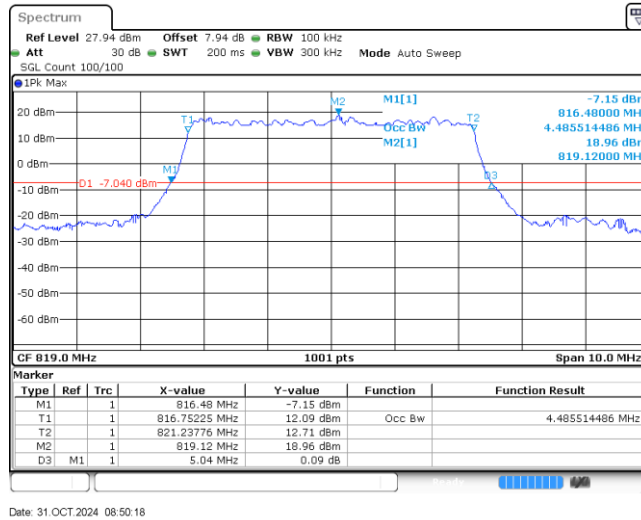
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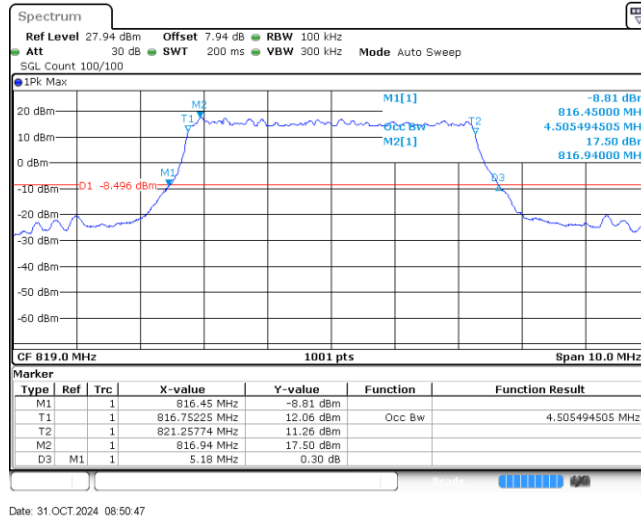
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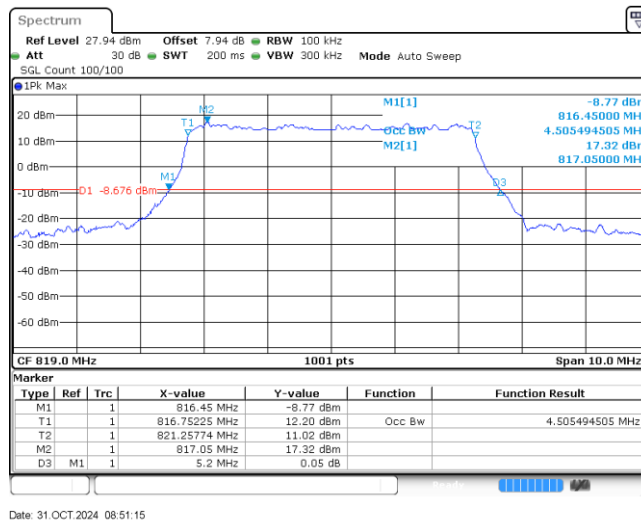
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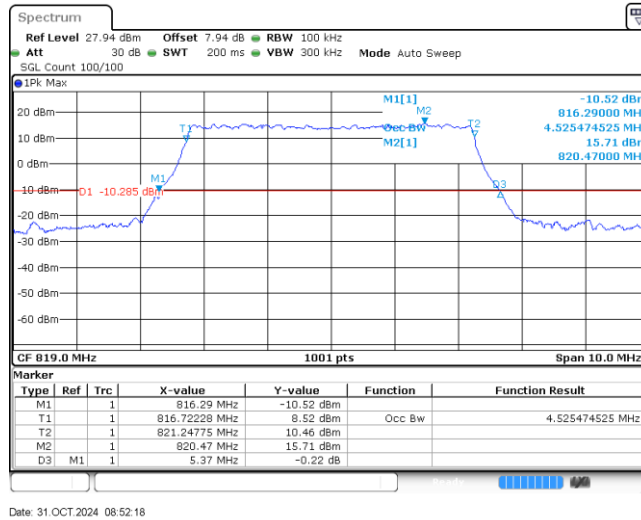
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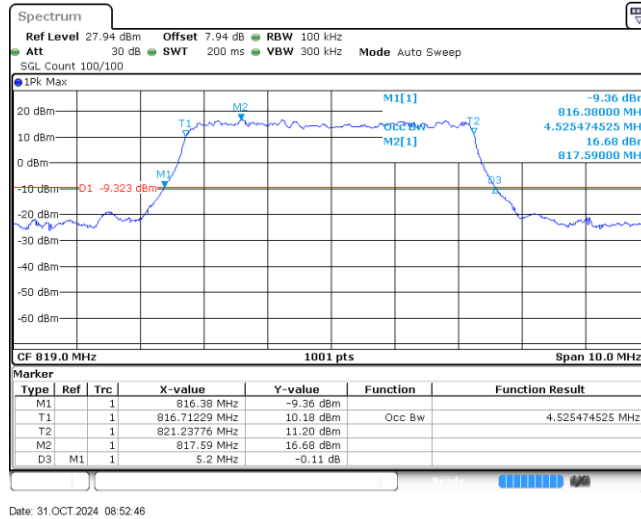
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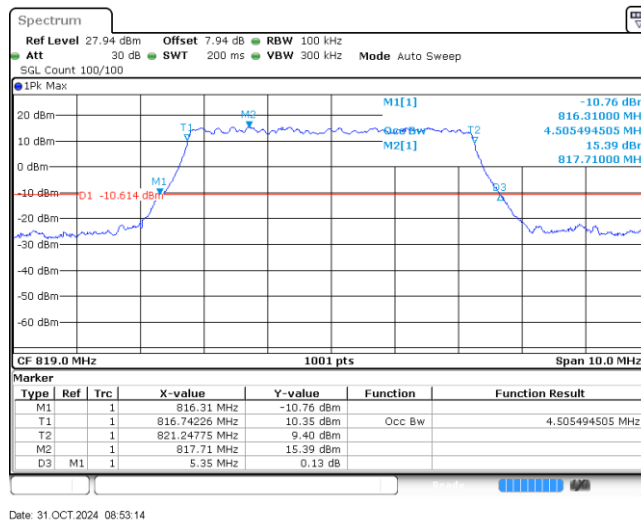
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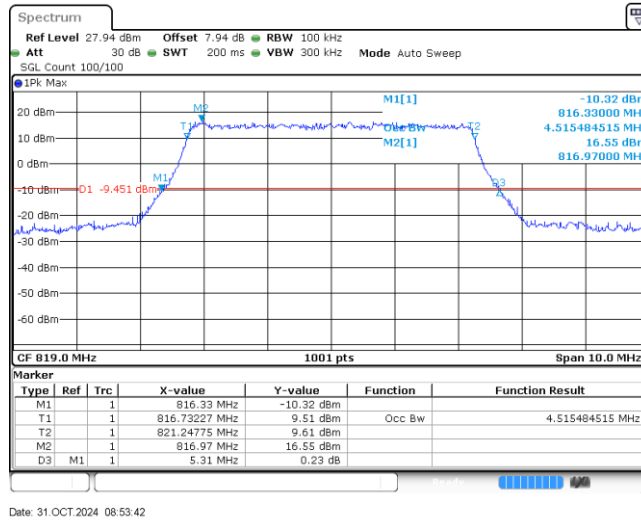
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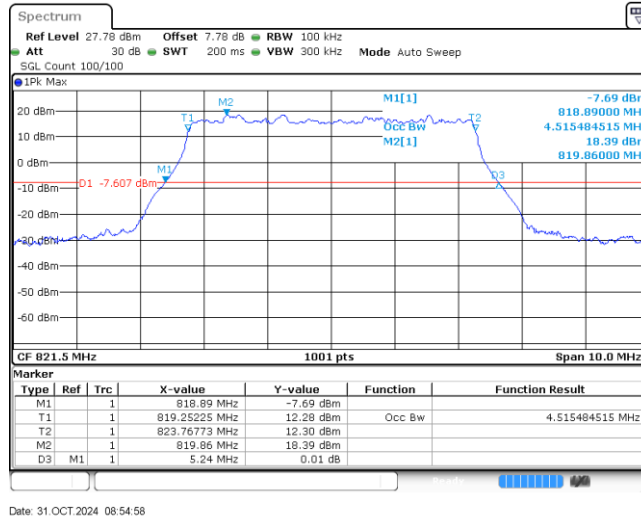
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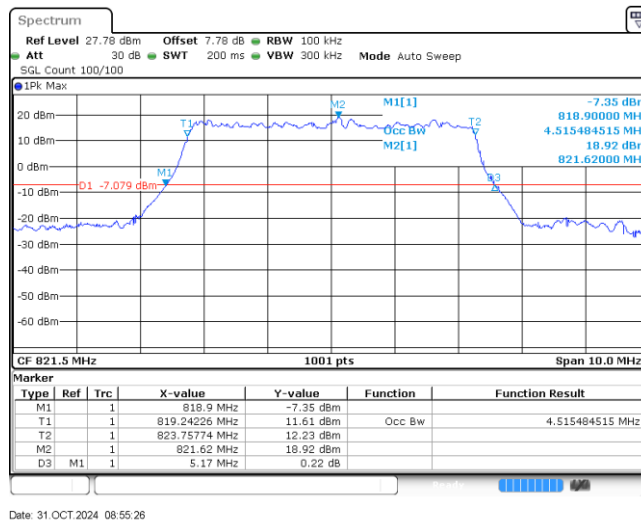
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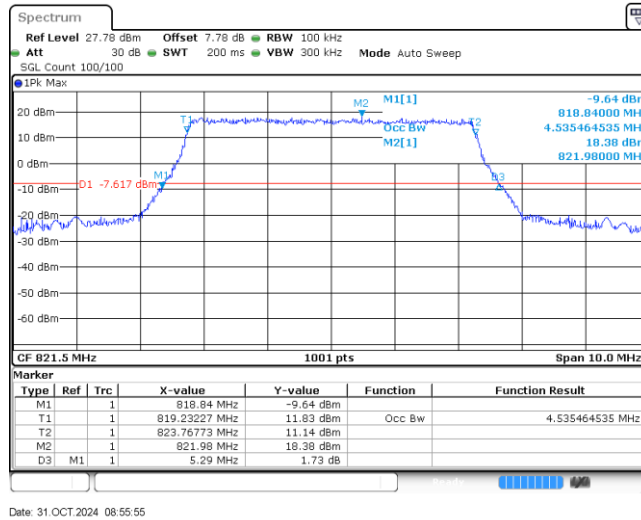
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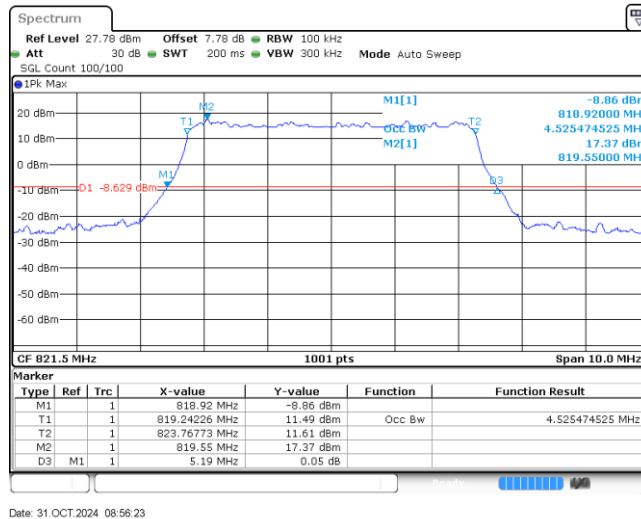
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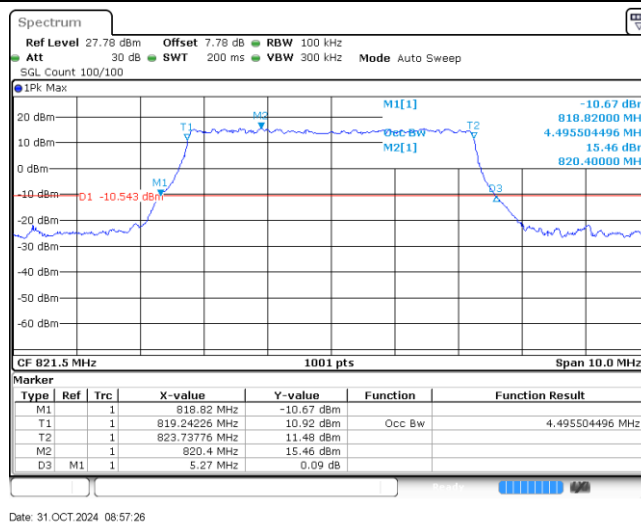
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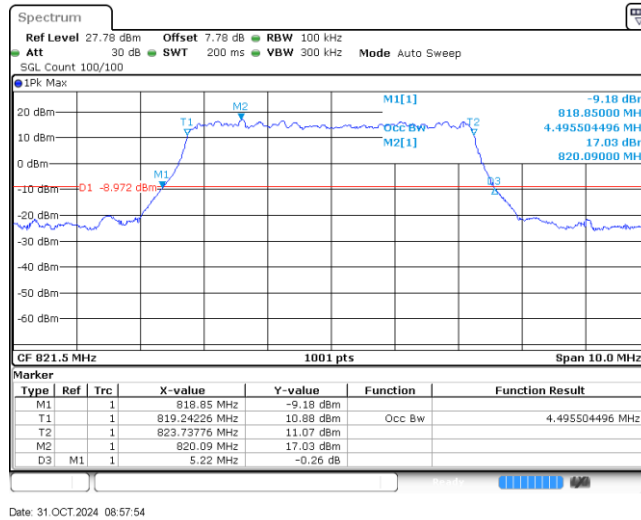
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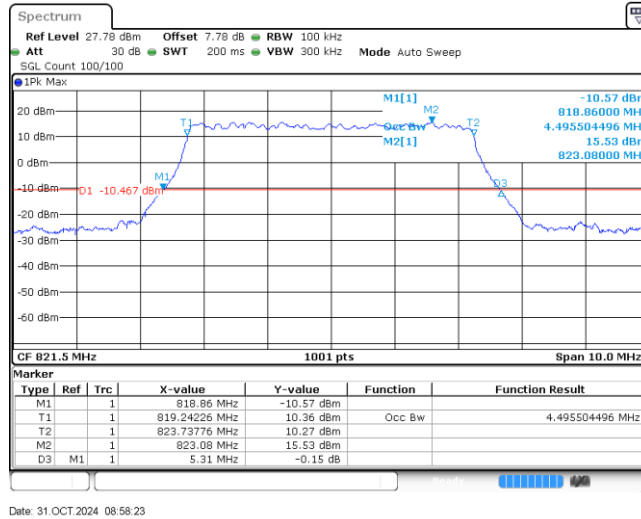
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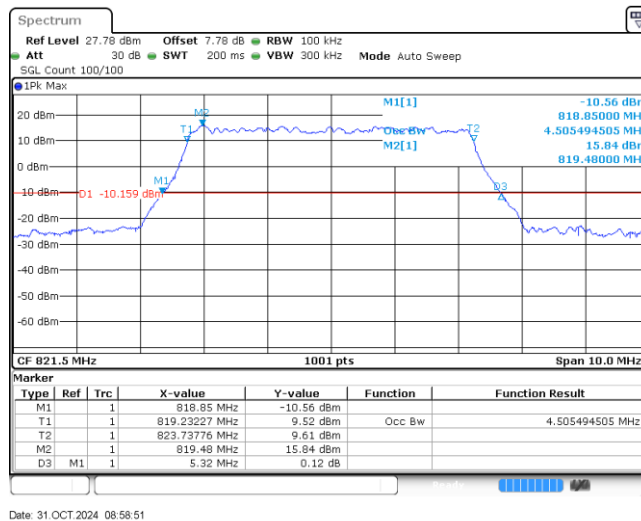
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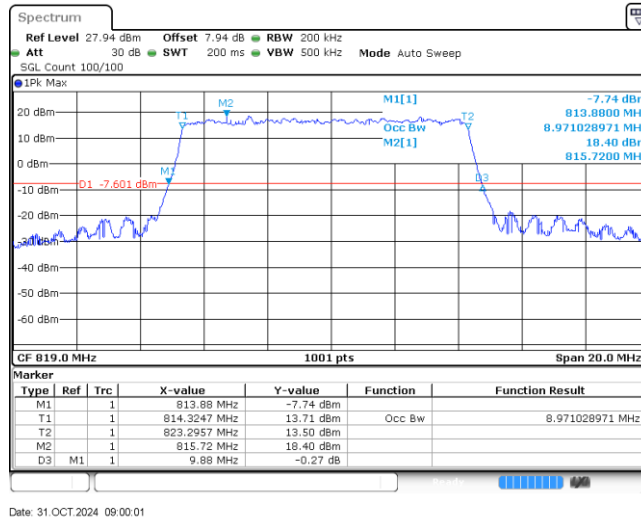
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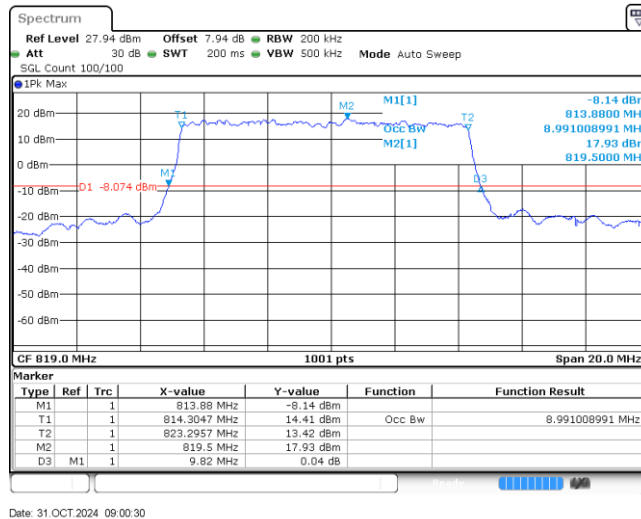
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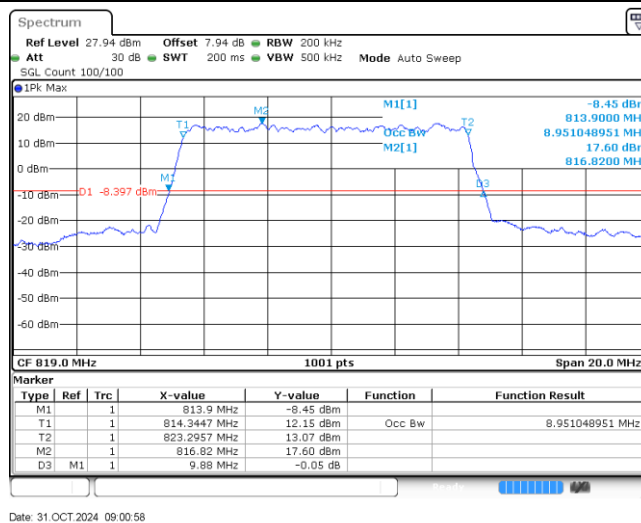
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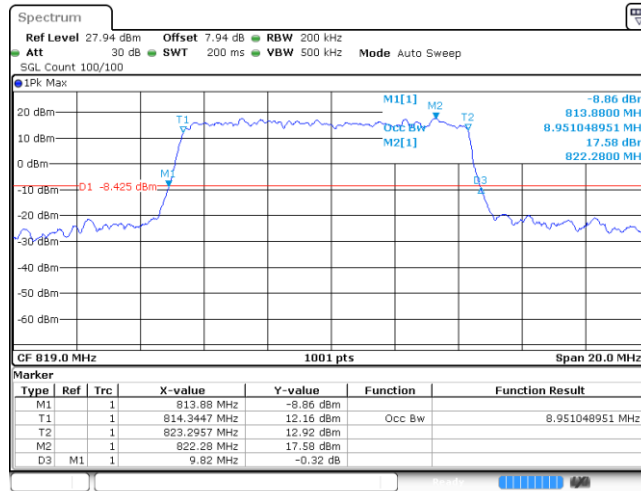
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1-N26-814-824-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.991-9.820-≤10-PASS

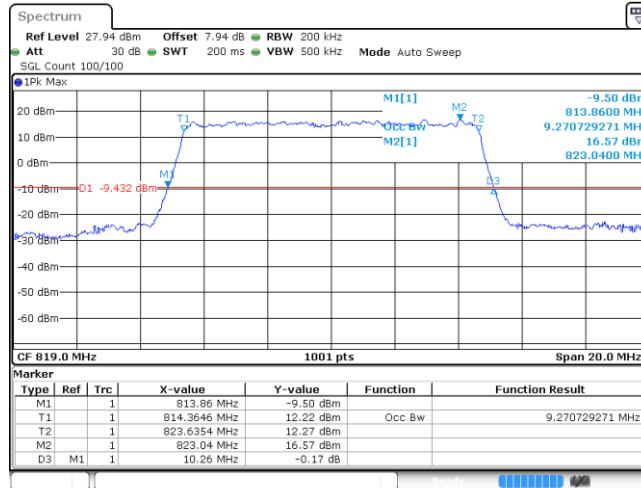


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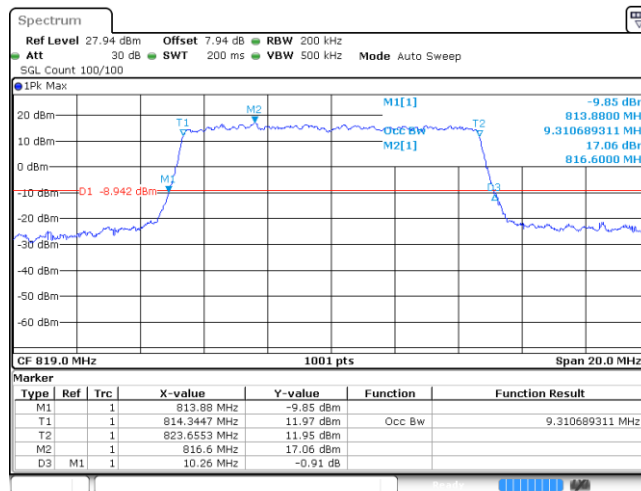
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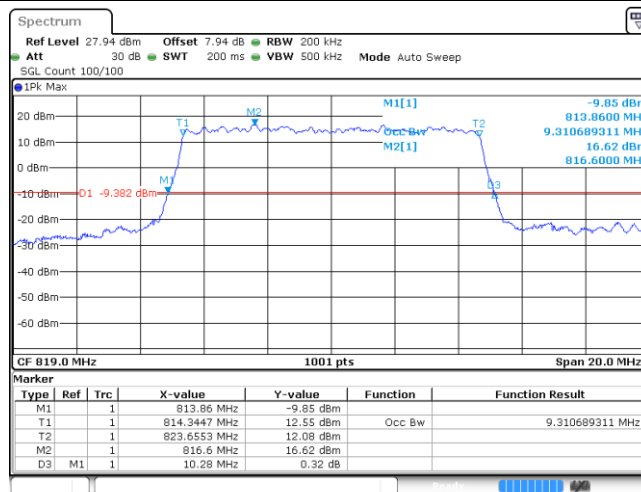
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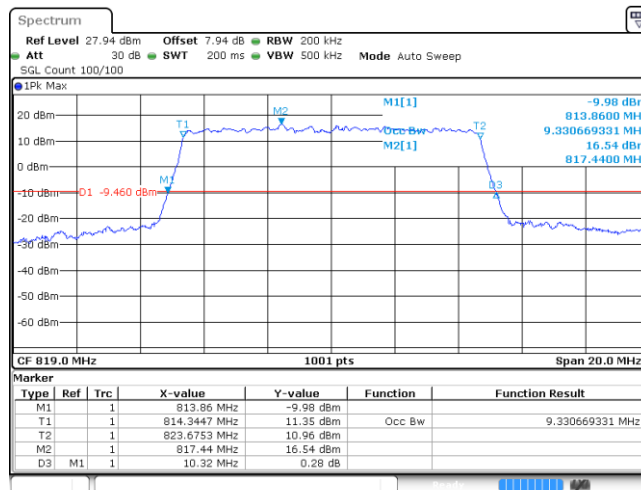
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Date: 31.OCT.2024 09:03:26

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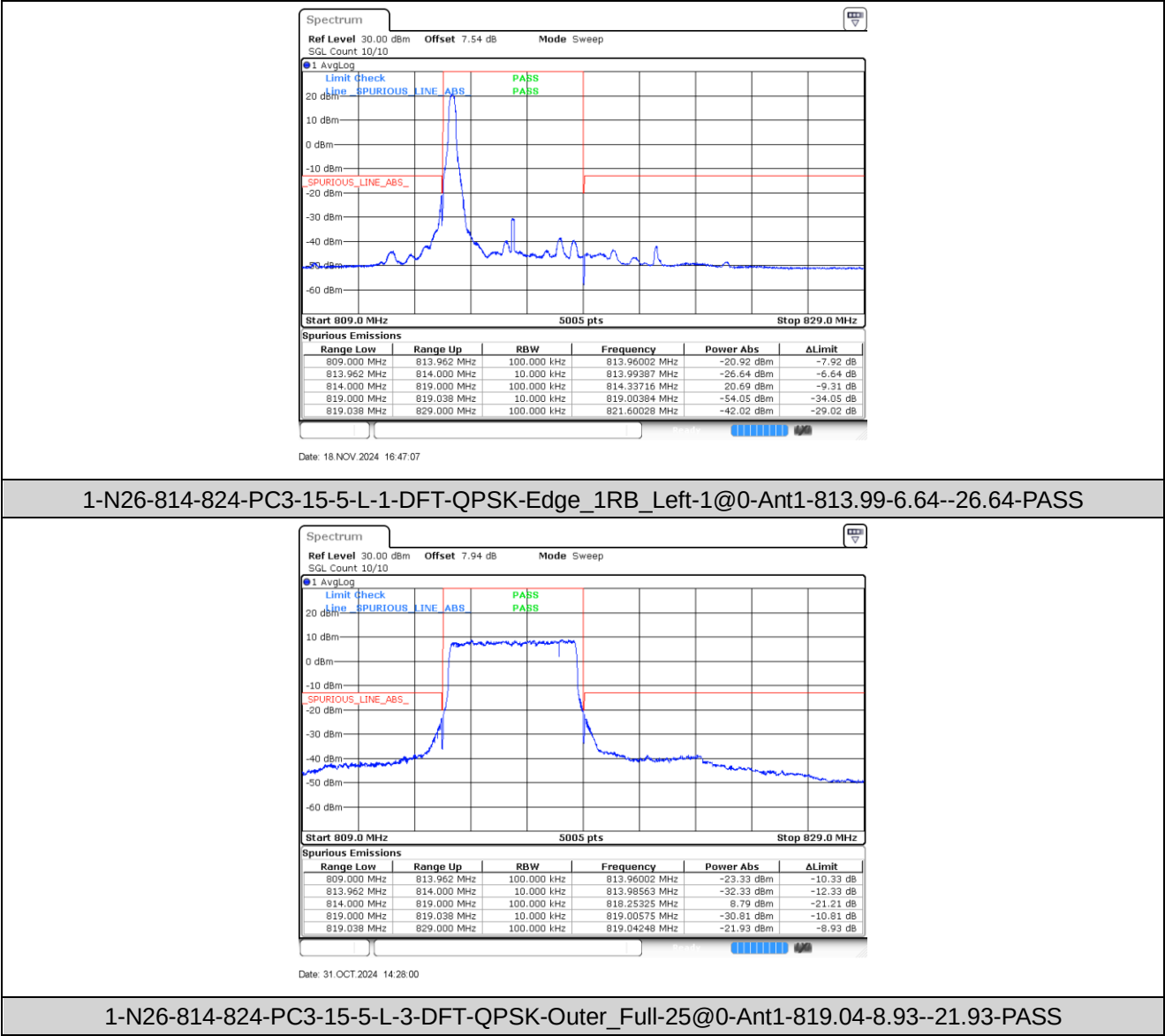


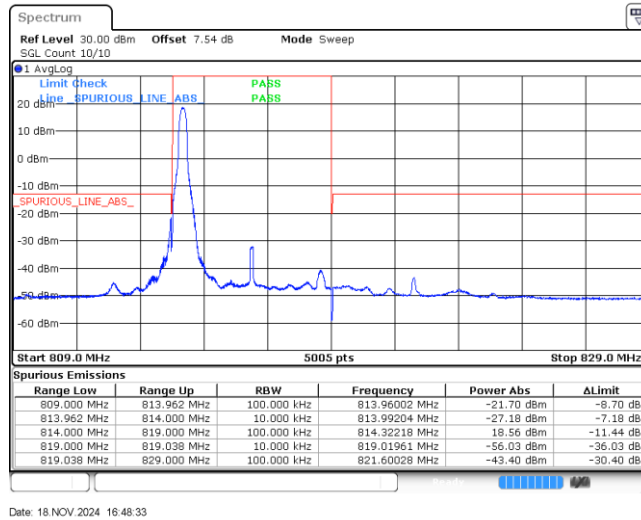
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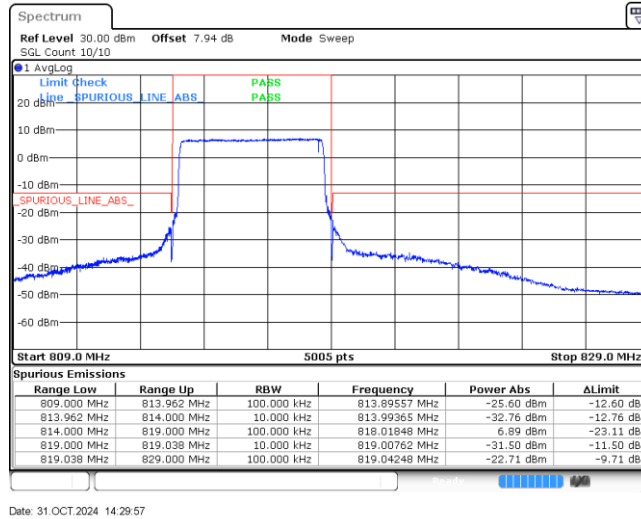
Band Edge for SA

Test Graphs

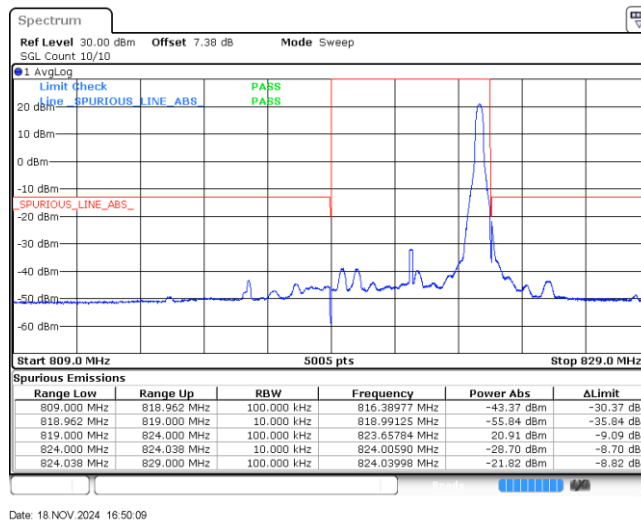




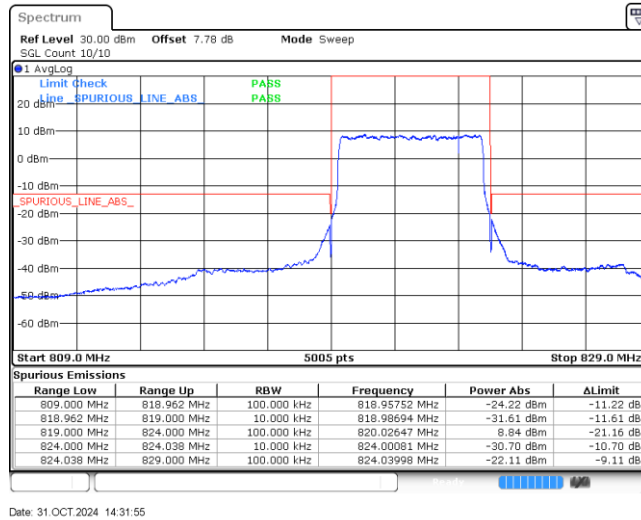
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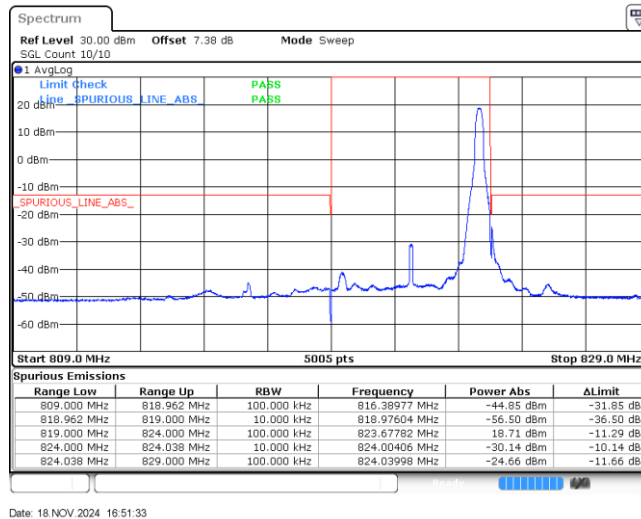
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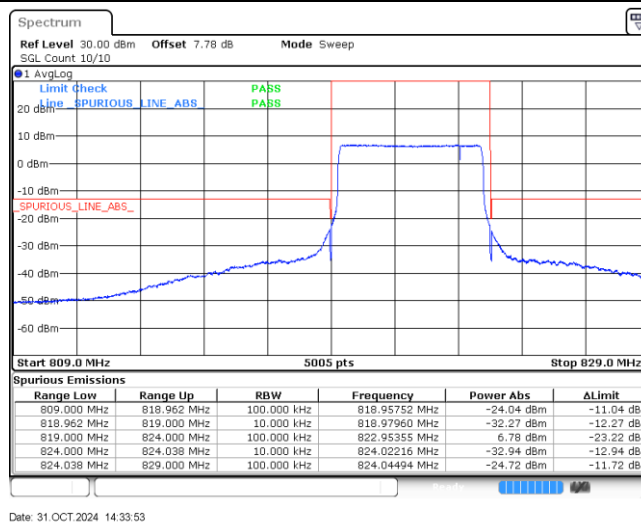
1-N26-814-824-PC3-15-5-H-2-DFT-QPSK-Edge_1RB_Right-1@24-Ant1-824.01-8.70--28.70-PASS



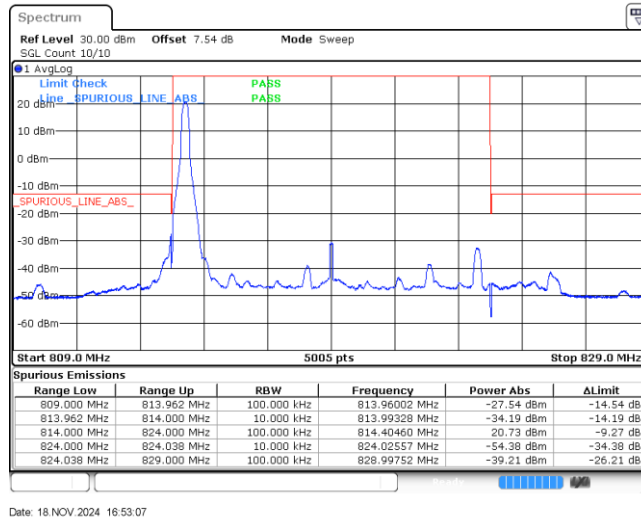
1-N26-814-824-PC3-15-5-H-3-DFT-QPSK-Outer_Full-25@0-Ant1-824.04-9.11--22.11-PASS



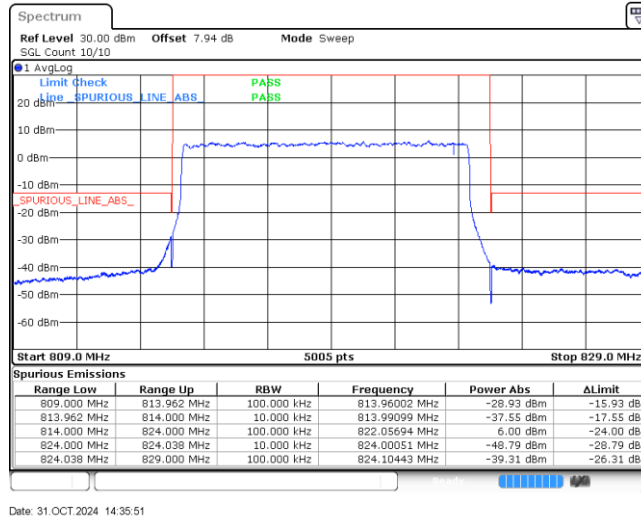
1-N26-814-824-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-824.00-10.14--30.14-PASS



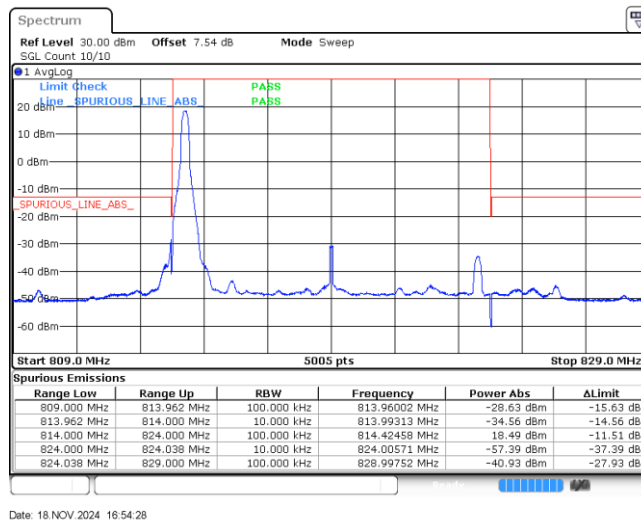
1-N26-814-824-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-818.96-11.04--24.04-PASS



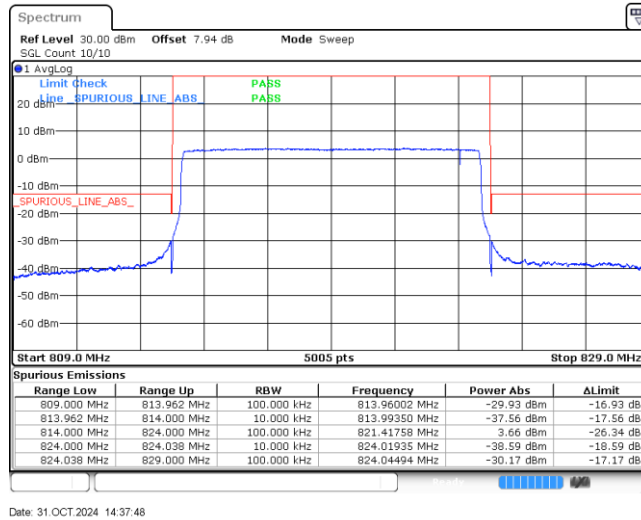
1-N26-814-824-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-813.99-14.19--34.19-PASS



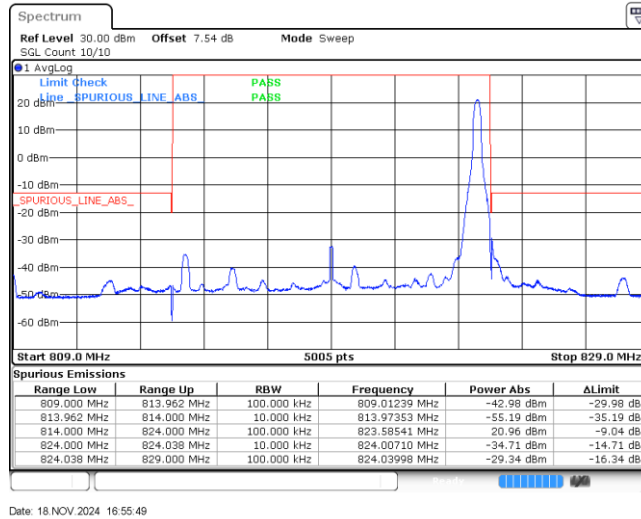
1-N26-814-824-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-Ant1-813.96-15.93--28.93-PASS



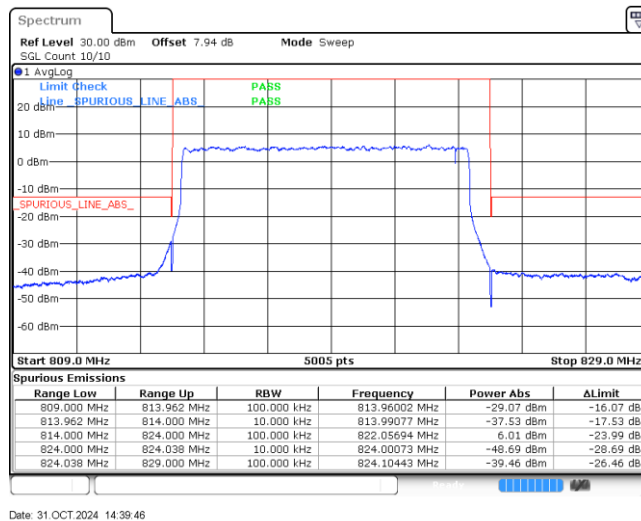
1-N26-814-824-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-813.99-14.56--34.56-PASS



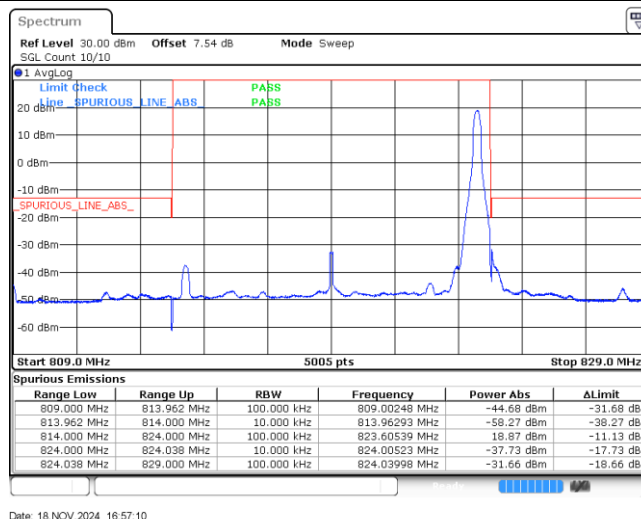
1-N26-814-824-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-813.96-16.93--29.93-PASS



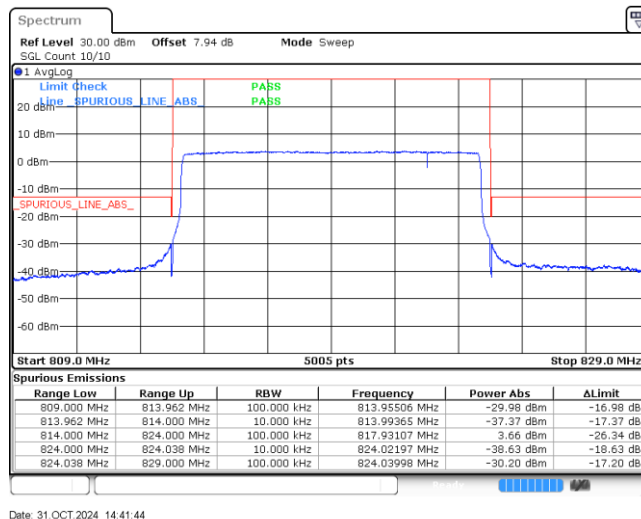
1-N26-814-824-PC3-15-10-H-2-DFT-QPSK-Edge_1RB_Right-1@51-Ant1-824.01-14.71--34.71-PASS



1-N26-814-824-PC3-15-10-H-3-DFT-QPSK-Outer_Full-50@0-Ant1-813.96-16.07--29.07-PASS



1-N26-814-824-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-824.01-17.73--37.73-PASS



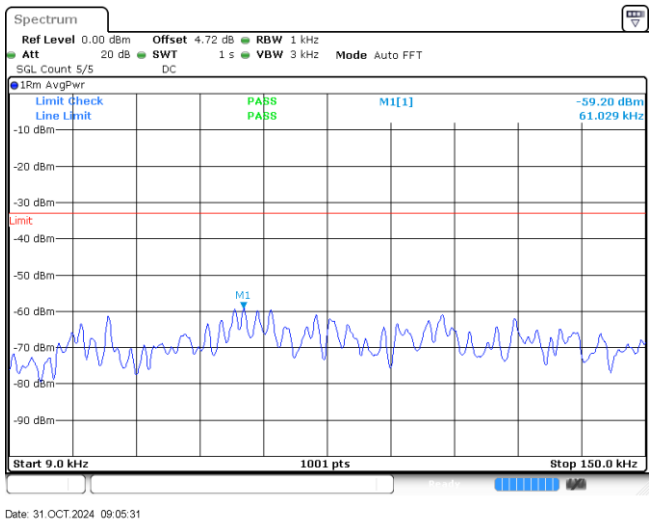
1-N26-814-824-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-813.96-16.98--29.98-PASS

Conducted Spurious Emission for SA

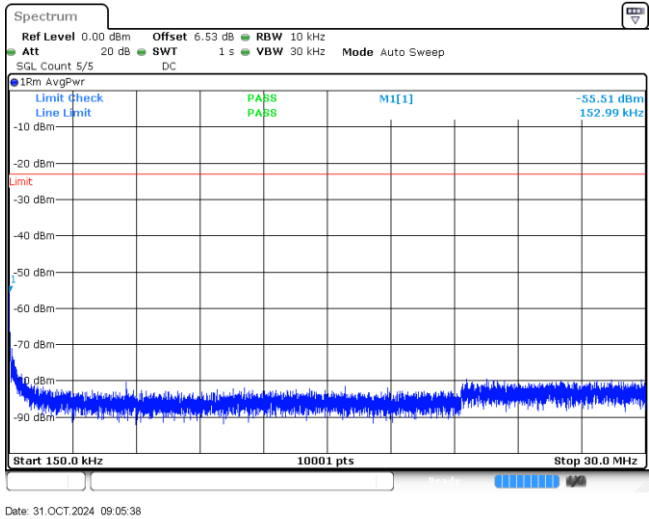
Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N26-814-824	15	10	DFT-QPSK	M	0.009	0.15	1@0	-59.20	-33	PASS
N26-814-824	15	10	DFT-QPSK	M	0.15	30	1@0	-55.51	-23	PASS
N26-814-824	15	10	DFT-QPSK	M	30	1000	1@0	-53.10	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	1000	3000	1@0	-39.02	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	3000	12000	1@0	-42.03	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	12000	20000	1@0	-44.02	-13	PASS

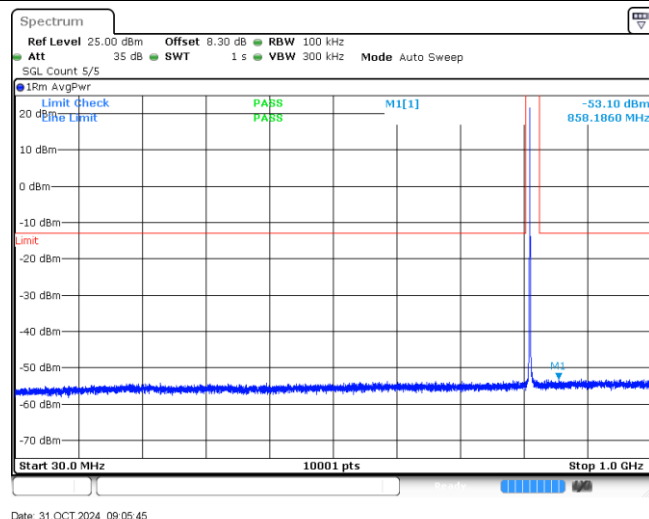
Test Graphs



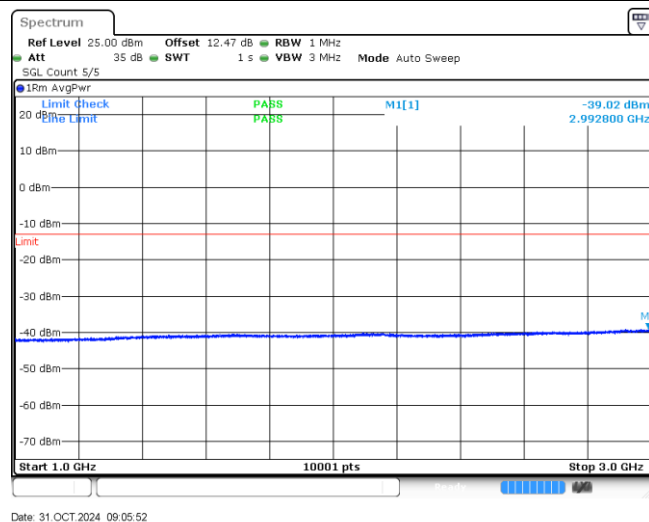
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.06--59.20--33-P
ASS



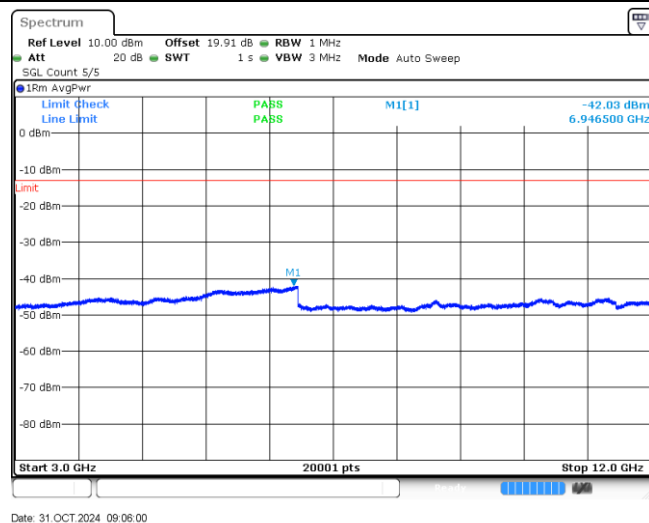
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.15--55.51--23-PAS
S



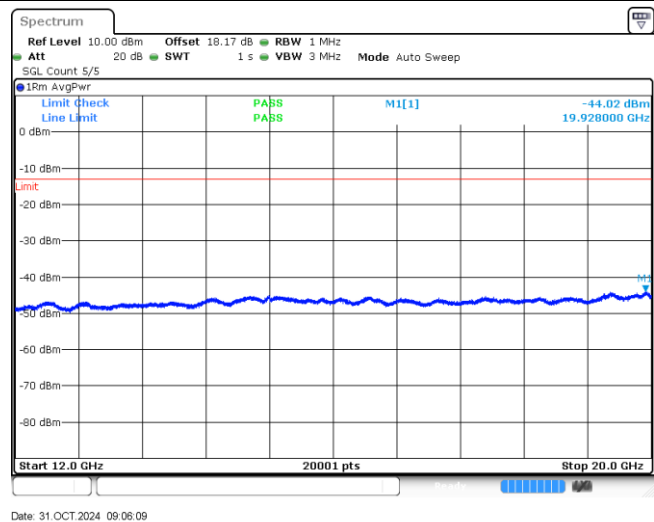
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-858.19--53.10--13-P
 ASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2992.80--39.02--
 13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-6946.50--42.03-
 -13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-19928.00--44.
02--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-QPSK	M	50@0	HV	NT	-3.55	-0.00433	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	NT	-2.74	-0.00335	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	LV	NT	-3.41	-0.00416	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	HV	NT	-4.08	-0.00498	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	NT	-2.73	-0.00333	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	LV	NT	-3.36	-0.00410	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	50	-4.287000	-0.005234	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-20	-2.932000	-0.003580	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-10	-3.363000	-0.004106	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	0	-4.804000	-0.005866	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	10	-3.043000	-0.003716	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	20	-2.821000	-0.003444	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	30	-2.563000	-0.003129	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-30	-3.380000	-0.004127	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	40	-3.565000	-0.004353	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	50	-3.293000	-0.004021	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-20	-3.027000	-0.003696	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-10	-3.622000	-0.004422	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	0	-2.375000	-0.002900	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	10	-3.415000	-0.004170	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	20	-2.914000	-0.003558	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	30	-3.832000	-0.004679	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	40	-2.397000	-0.002927	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-30	-3.158000	-0.003856	PASS

Field Strength of Spurious Radiation

NR N26 814-824MHz ANT0-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1629.0	-71.36	-13	-58.36	-74.29	2.62	5.55	Horizontal	Pass
2443.5	-68.12	-13	-55.12	-70.76	3.04	5.68	Horizontal	Pass
3258.0	-67.32	-13	-54.32	-71.6	3.28	7.56	Horizontal	Pass
1629.0	-71.14	-13	-58.14	-74.07	2.62	5.55	Vertical	Pass
2443.5	-64.73	-13	-51.73	-67.37	3.04	5.68	Vertical	Pass
3258.0	-67.23	-13	-54.23	-71.51	3.28	7.56	Vertical	Pass