

Transmitter Conducted Power Output for SA

Test Result

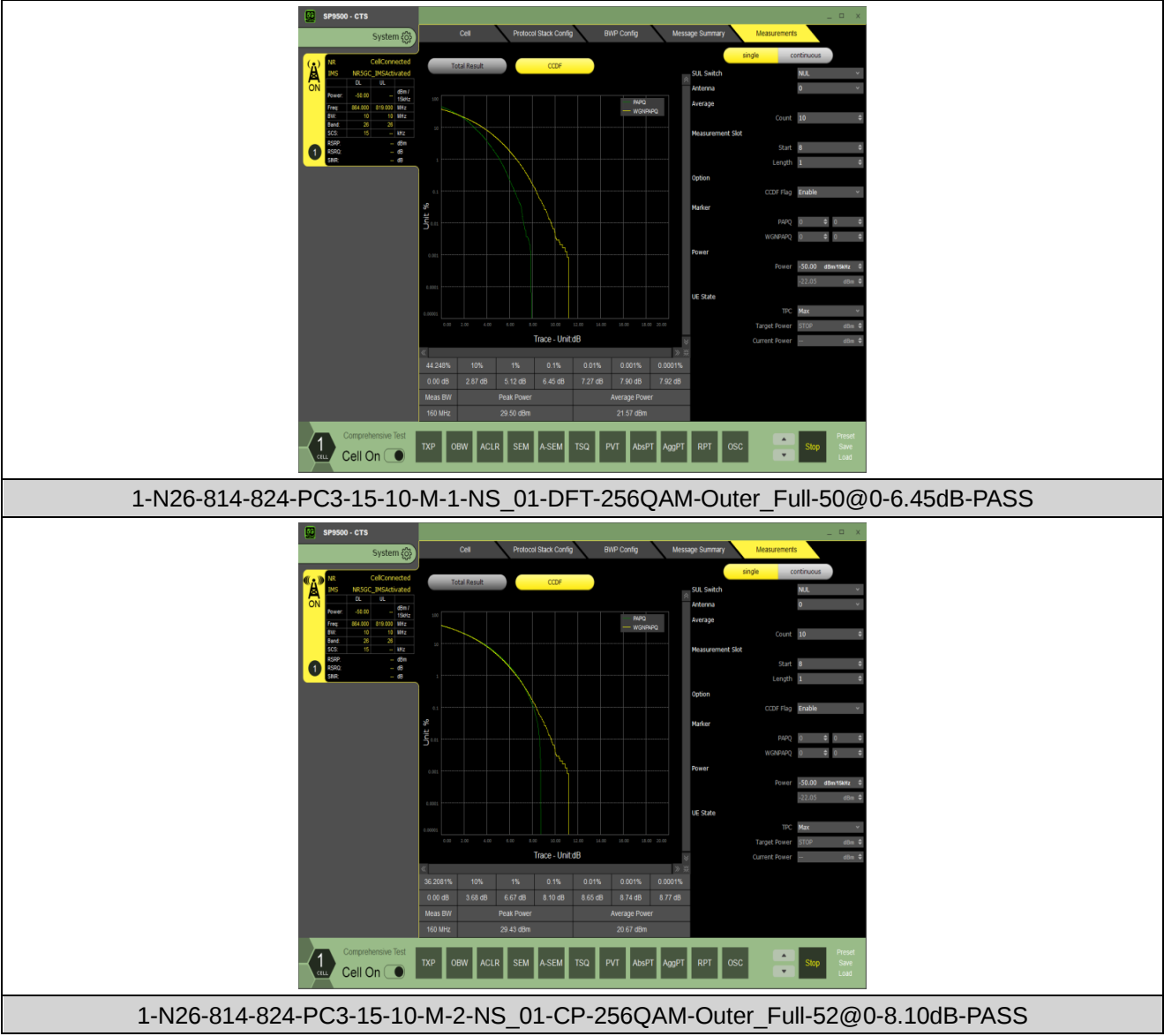
Ant 0

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Limit (dBm)	Verdict
N26-814-824	15	5	DFT-QPSK	L	1@1	23.85	50	PASS
N26-814-824	15	5	DFT-QPSK	L	1@23	23.83	50	PASS
N26-814-824	15	5	DFT-QPSK	L	25@0	22.99	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@1	22.74	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@23	22.78	50	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	21.95	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@1	21.33	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@23	21.42	50	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	21.49	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@1	21.44	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@23	21.47	50	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	21.50	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@1	23.98	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@23	23.91	50	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	22.99	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@1	22.74	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@23	22.82	50	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	21.96	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@1	21.41	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@23	21.42	50	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	21.45	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@1	21.42	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@23	21.47	50	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	21.48	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@1	23.96	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@23	23.95	50	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	22.94	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@1	22.70	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@23	22.70	50	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	21.96	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@1	21.38	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@23	21.35	50	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	21.46	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@1	21.44	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@23	21.39	50	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	21.46	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	23.88	50	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	22.99	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@1	22.78	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@50	22.81	50	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	21.99	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@1	21.38	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@50	21.50	50	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	21.52	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@1	21.48	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@50	21.45	50	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	21.52	50	PASS

Peak-to-Average Ratio for SA

Test Graphs

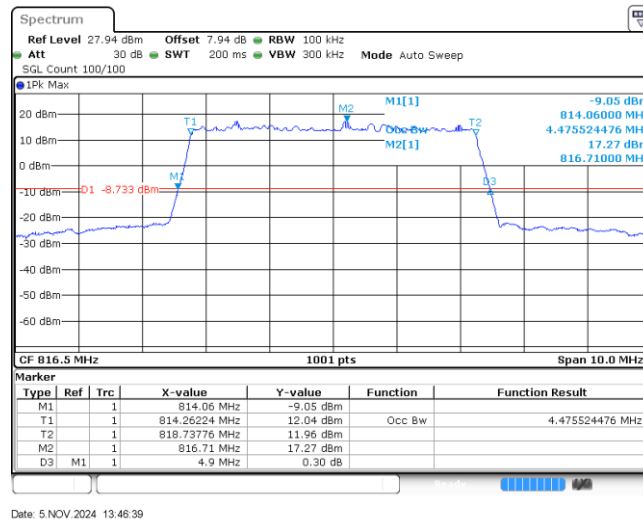


26dB Bandwidth and Occupied Bandwidth for SA

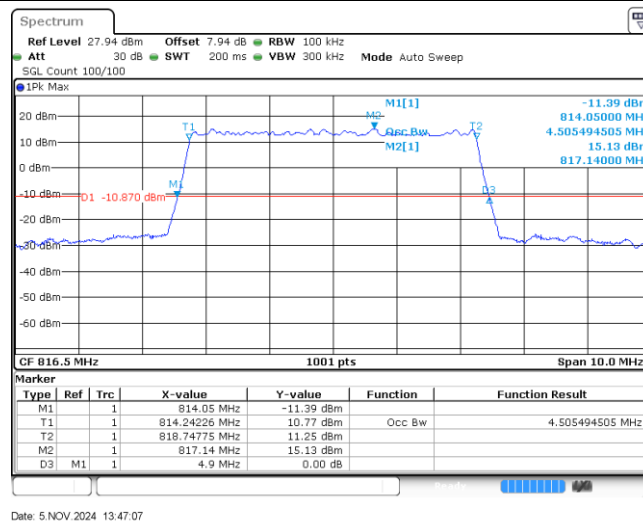
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N26-814-824	15	5	DFT-QPSK	L	25@0	4.476	4.900	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	4.505	4.900	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	4.525	4.920	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	4.515	4.910	PASS
N26-814-824	15	5	CP-QPSK	L	25@0	4.496	4.940	PASS
N26-814-824	15	5	CP-16QAM	L	25@0	4.486	4.910	PASS
N26-814-824	15	5	CP-64QAM	L	25@0	4.496	4.930	PASS
N26-814-824	15	5	CP-256QAM	L	25@0	4.505	4.950	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	4.496	4.910	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	4.505	4.960	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	4.525	4.950	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	4.515	4.920	PASS
N26-814-824	15	5	CP-QPSK	M	25@0	4.496	4.960	PASS
N26-814-824	15	5	CP-16QAM	M	25@0	4.496	4.910	PASS
N26-814-824	15	5	CP-64QAM	M	25@0	4.486	4.920	PASS
N26-814-824	15	5	CP-256QAM	M	25@0	4.505	4.950	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	4.476	4.910	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	4.496	4.930	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	4.525	4.940	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	4.515	4.930	PASS
N26-814-824	15	5	CP-QPSK	H	25@0	4.496	4.960	PASS
N26-814-824	15	5	CP-16QAM	H	25@0	4.496	4.910	PASS
N26-814-824	15	5	CP-64QAM	H	25@0	4.486	4.950	PASS
N26-814-824	15	5	CP-256QAM	H	25@0	4.505	4.960	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	8.971	9.600	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	8.951	9.600	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	8.971	9.620	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	8.971	9.580	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	9.311	9.960	PASS
N26-814-824	15	10	CP-16QAM	M	52@0	9.331	10.020	PASS
N26-814-824	15	10	CP-64QAM	M	52@0	9.311	9.920	PASS
N26-814-824	15	10	CP-256QAM	M	52@0	9.291	9.960	PASS

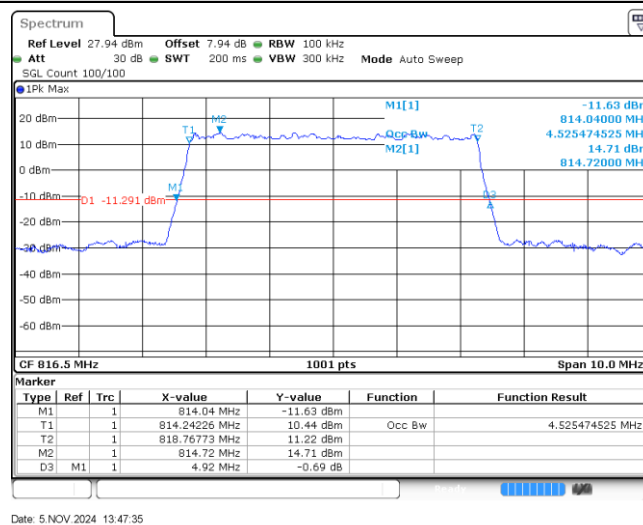
Test Graphs



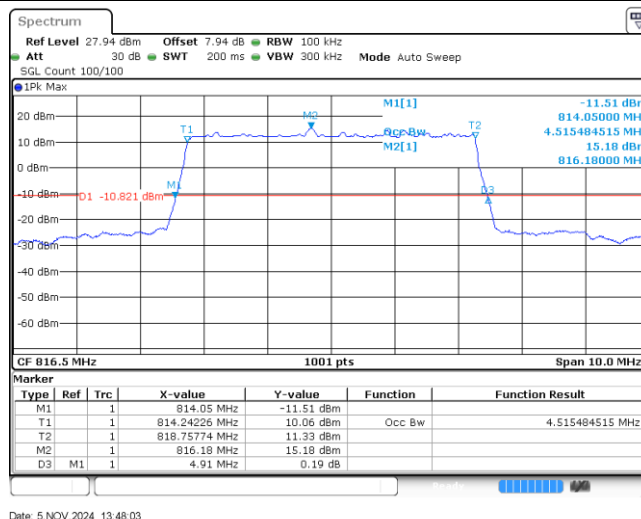
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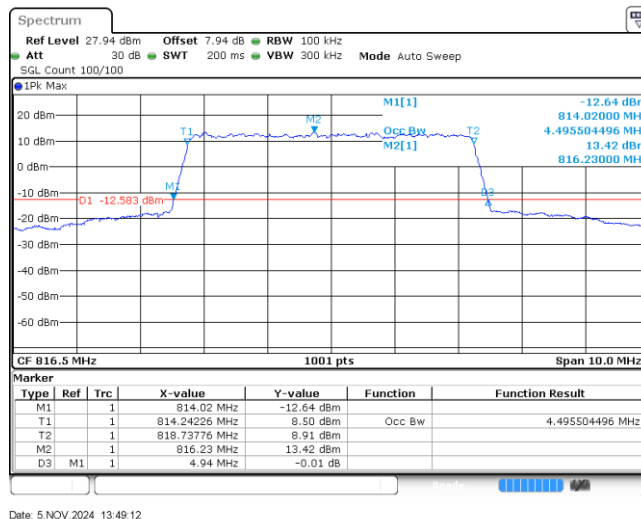
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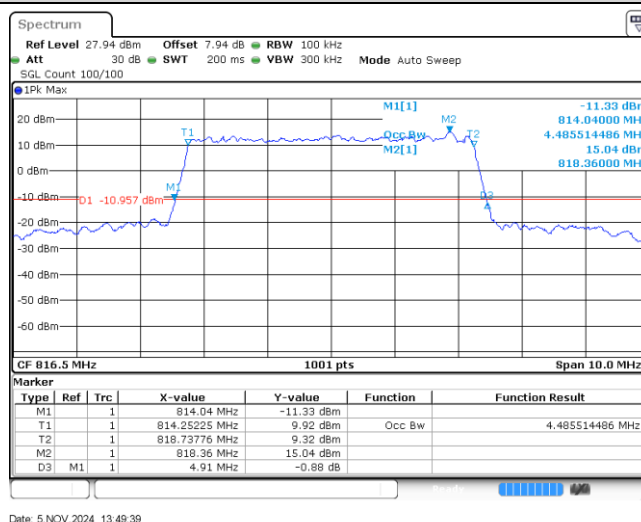
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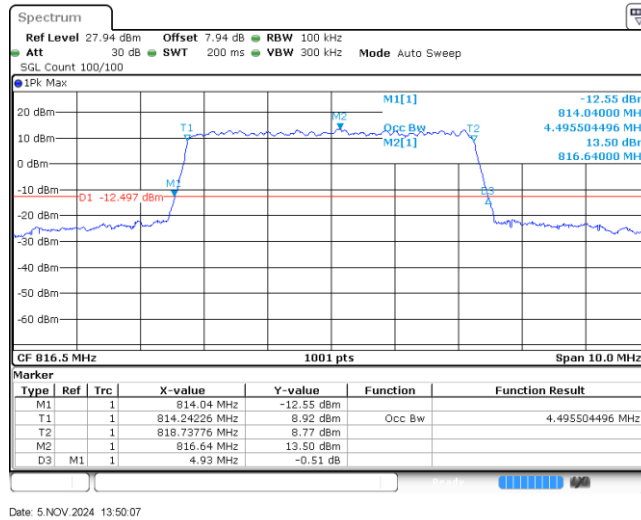
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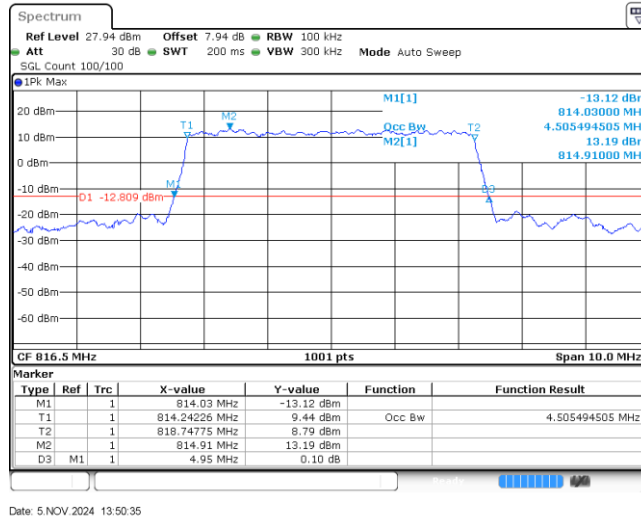
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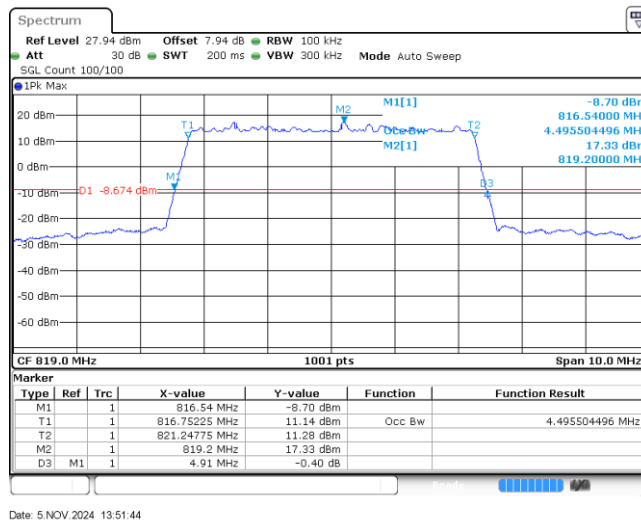
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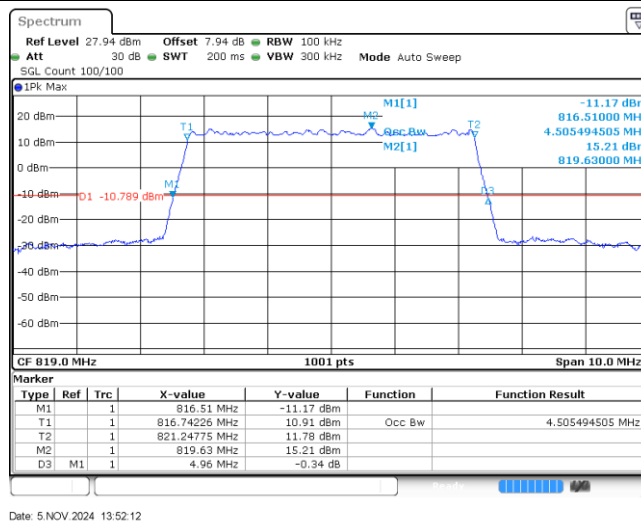
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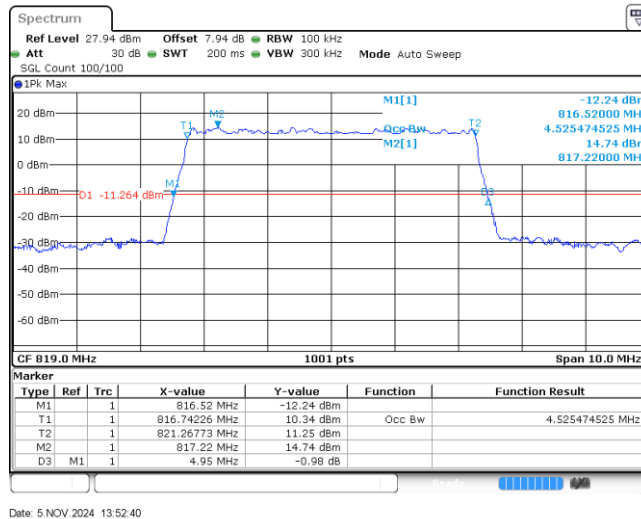
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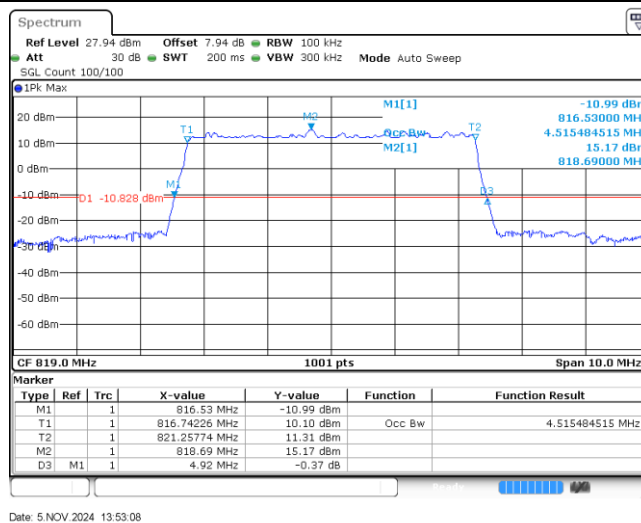
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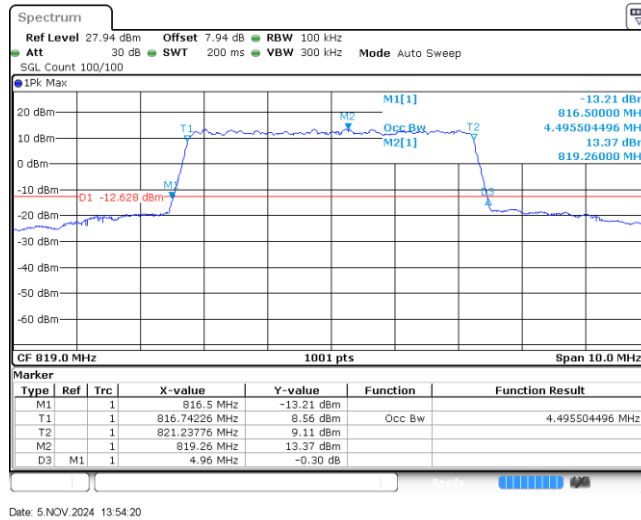
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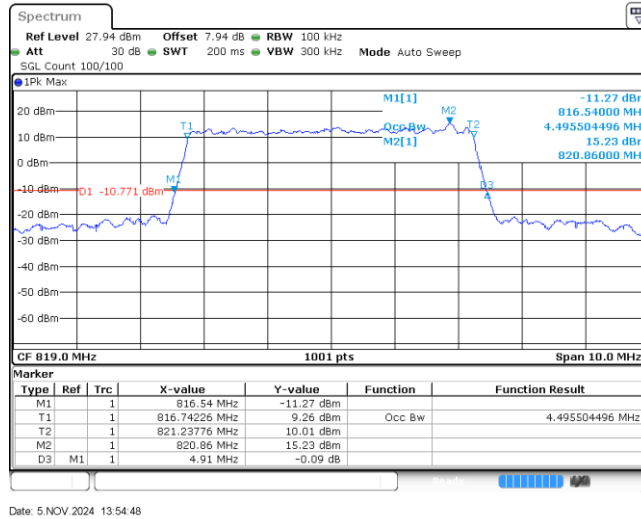
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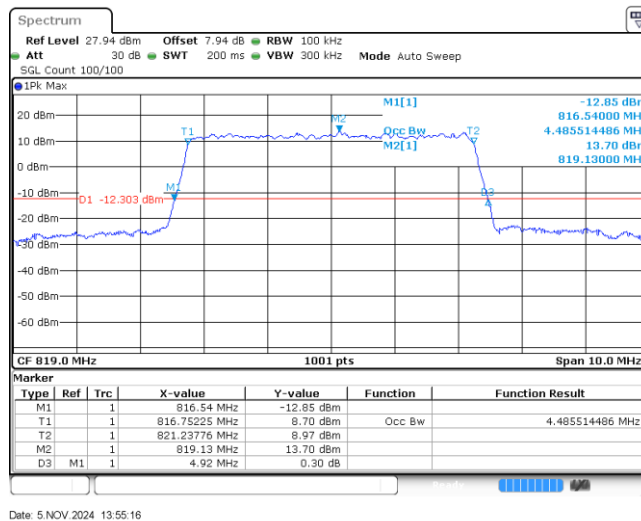
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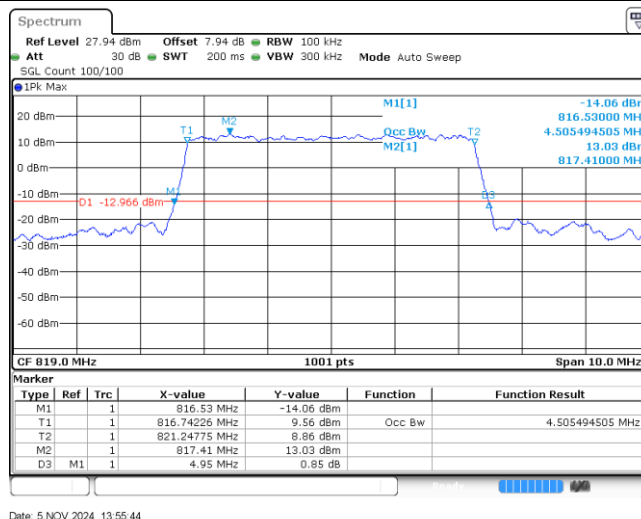
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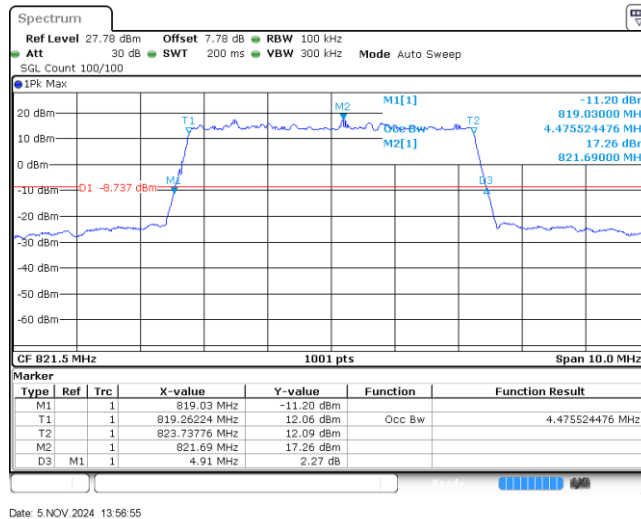
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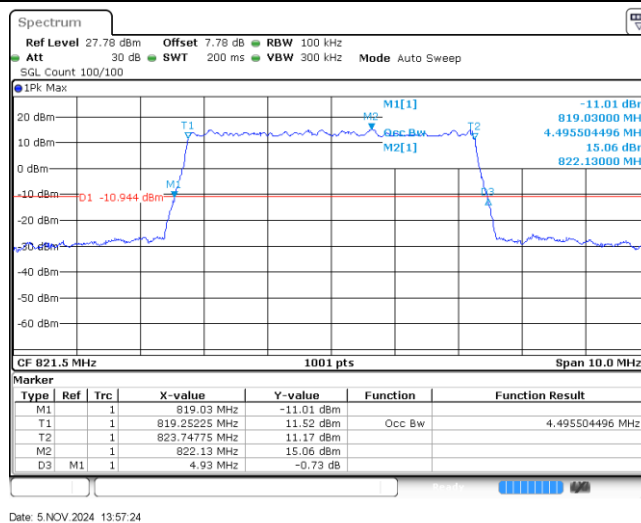
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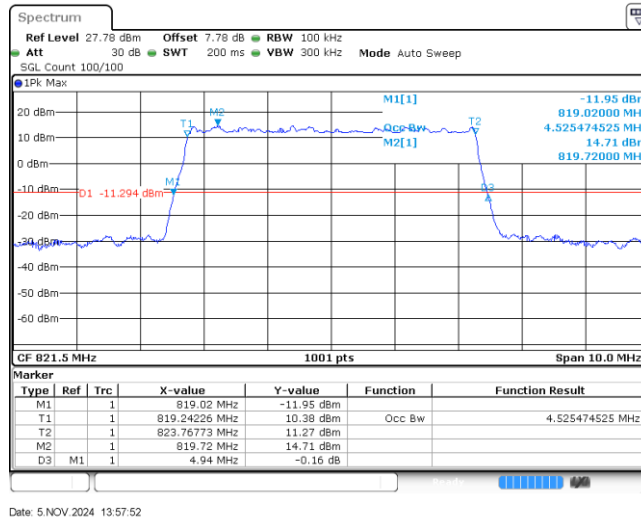
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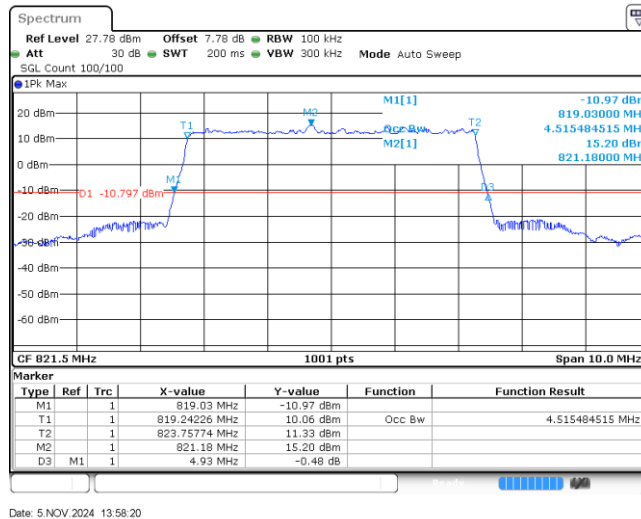
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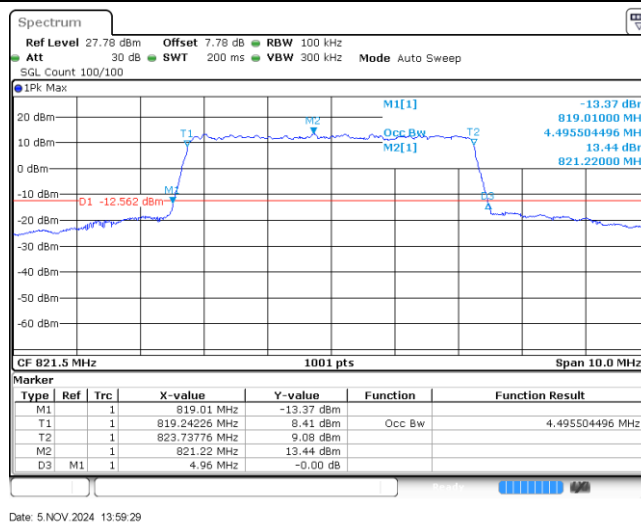
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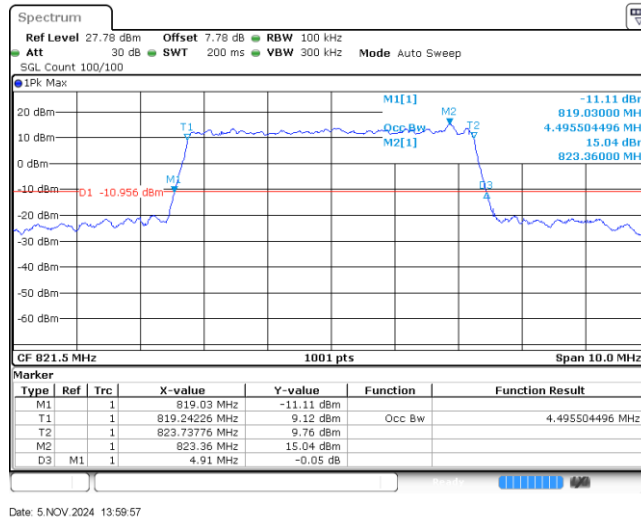
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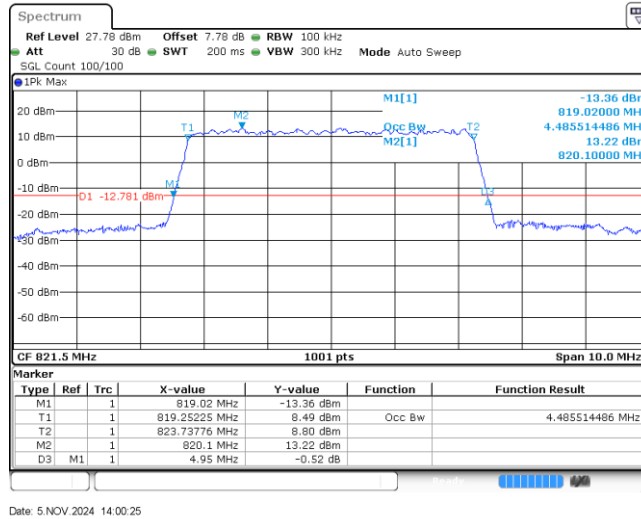
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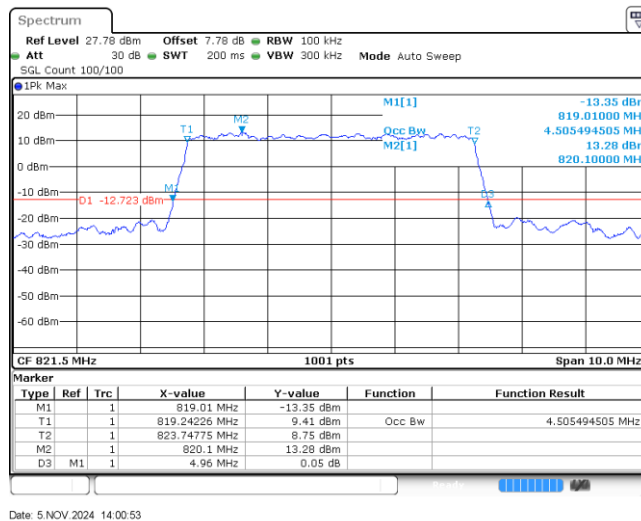
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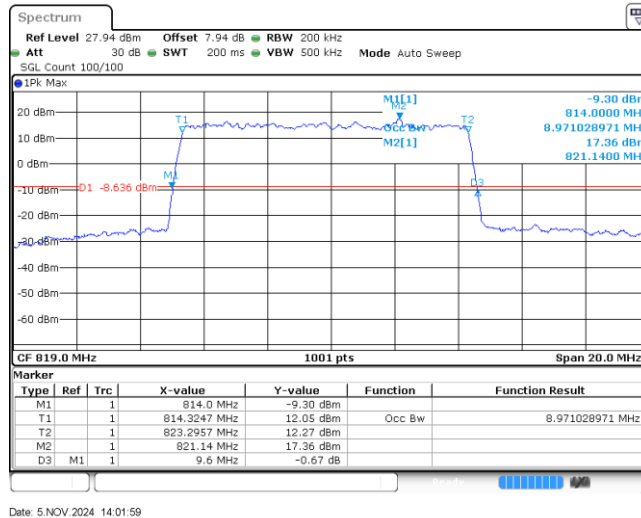
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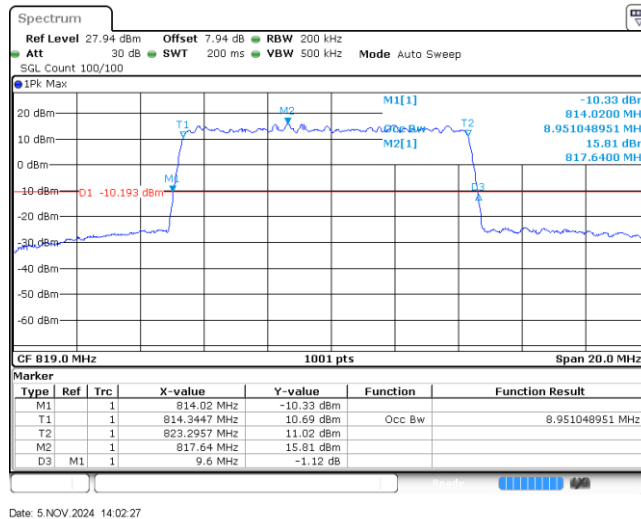
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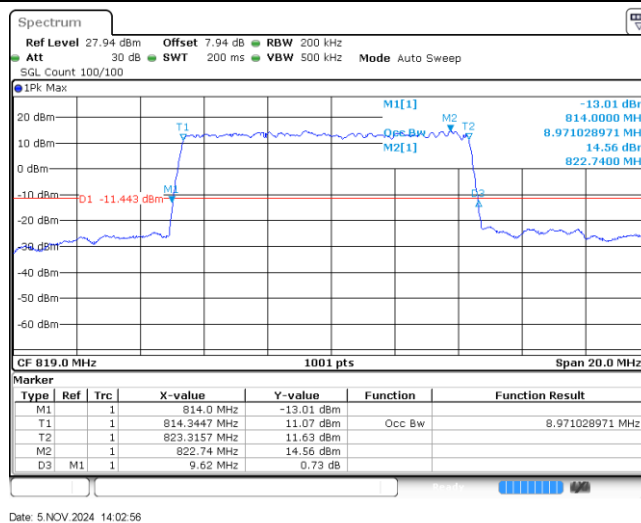
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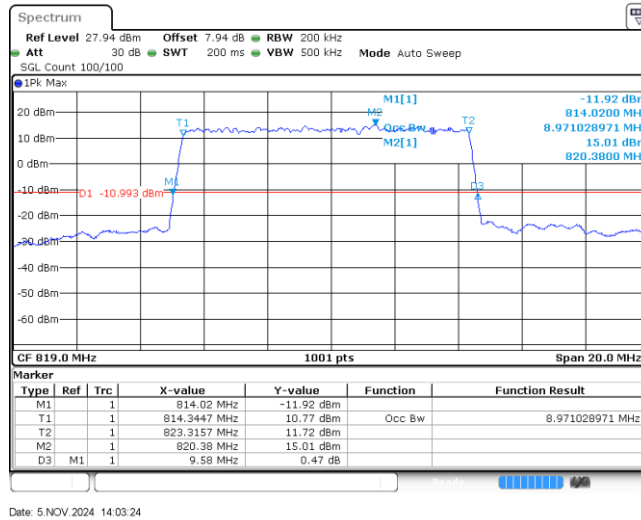
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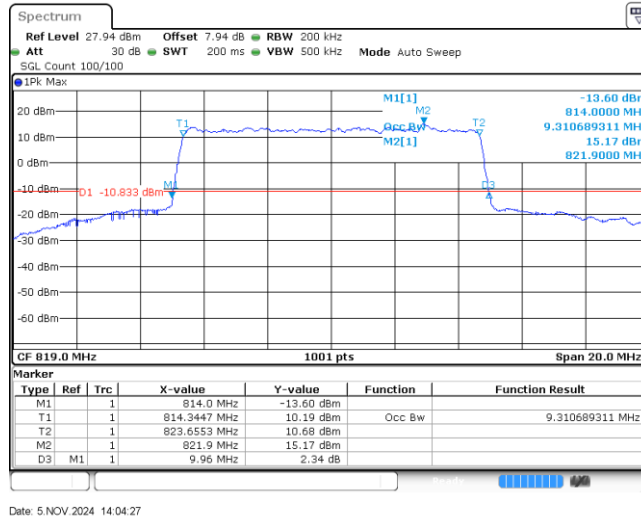
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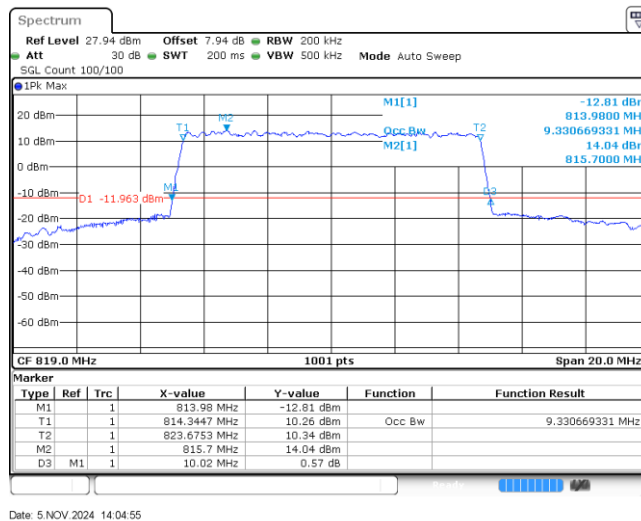
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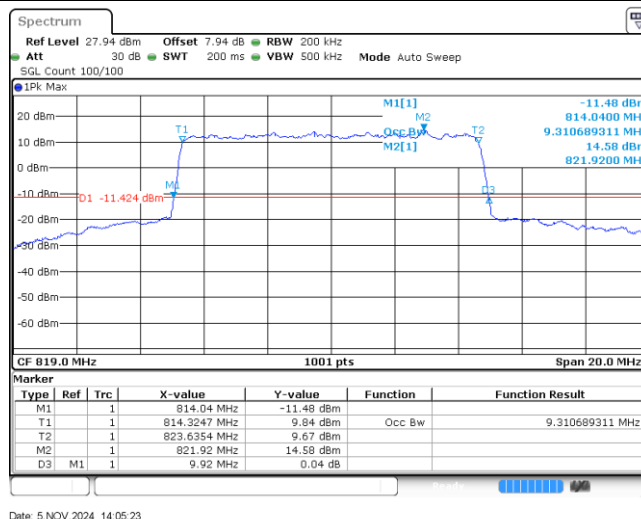
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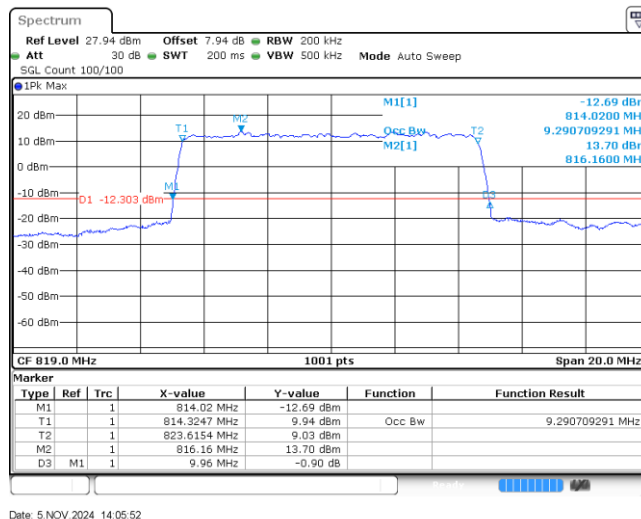
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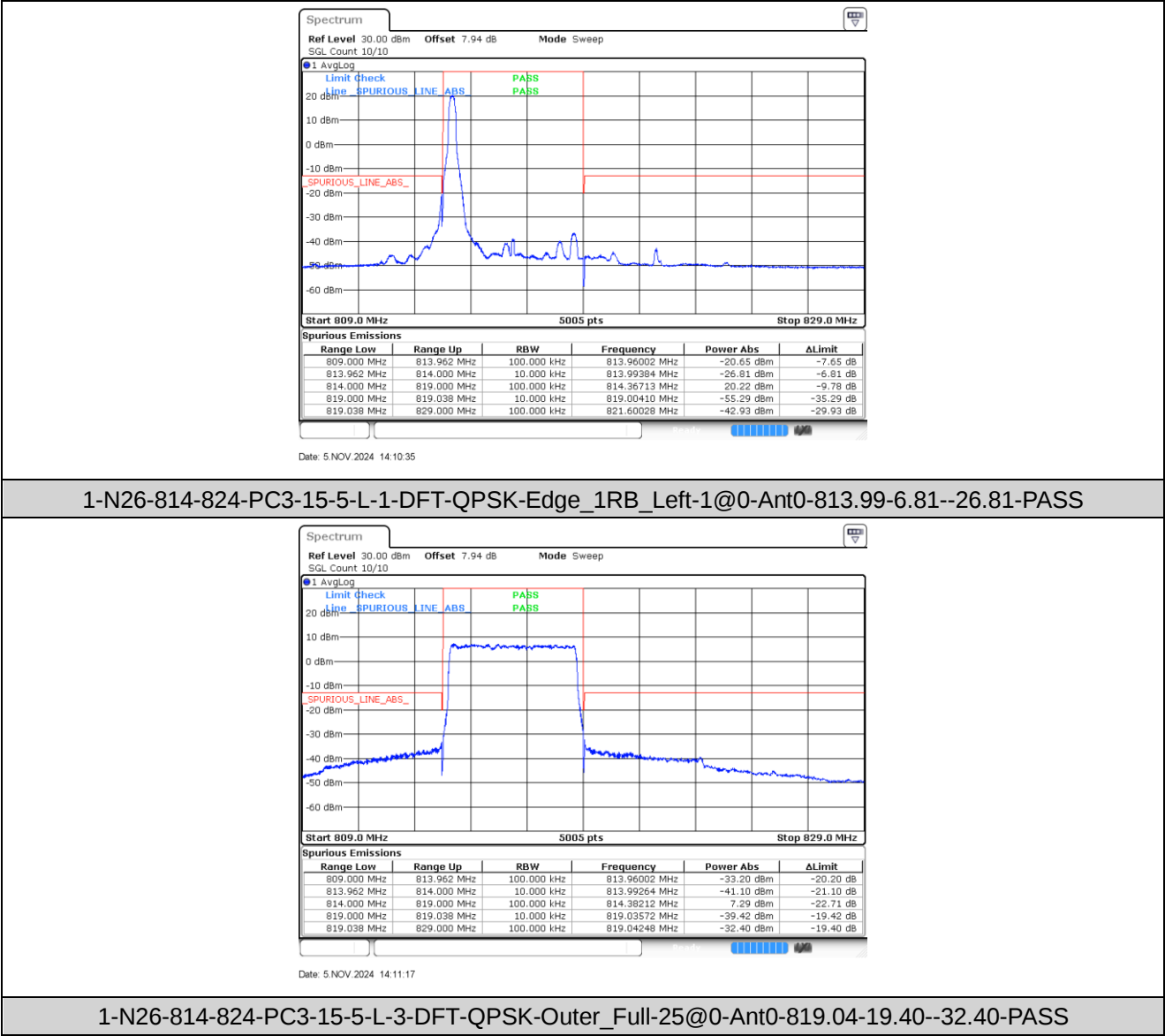
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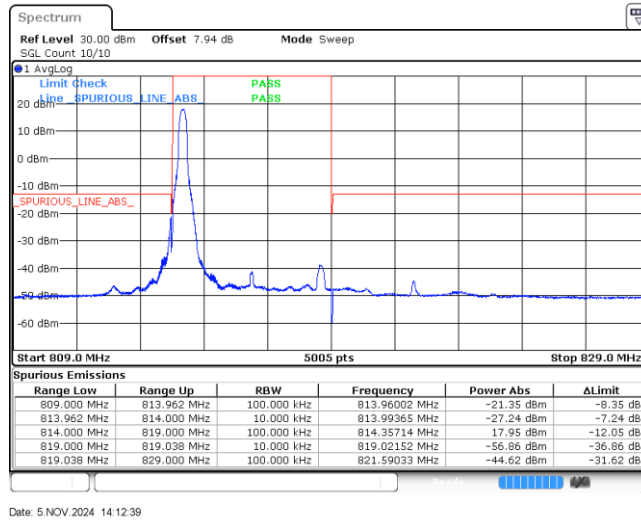


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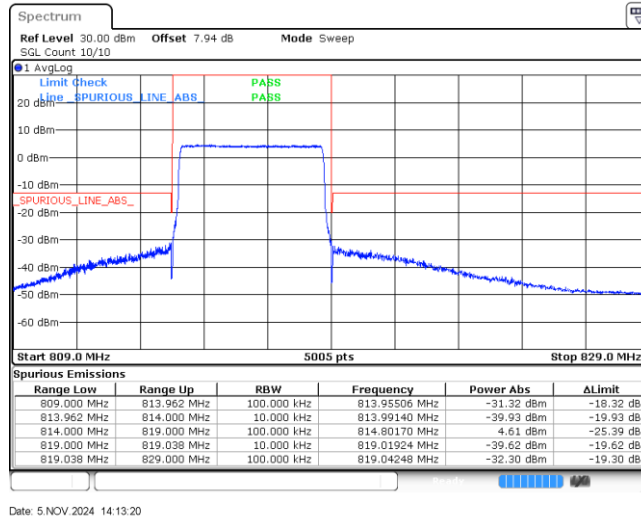
Band Edge for SA

Test Graphs

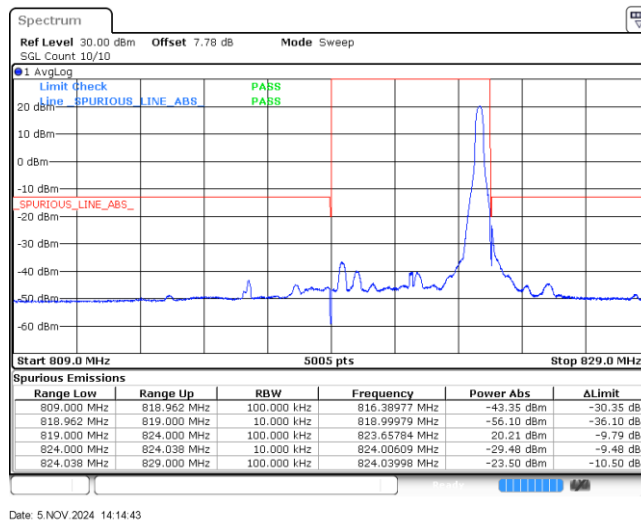




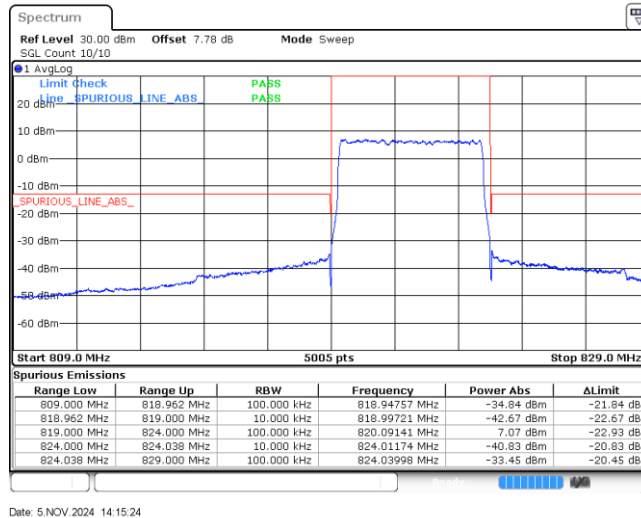
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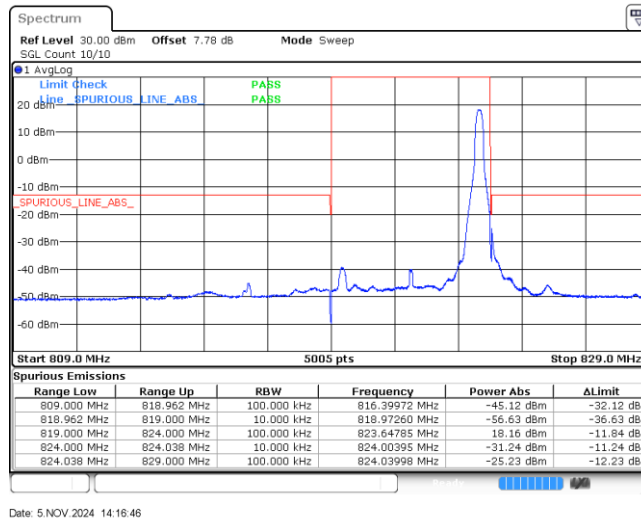
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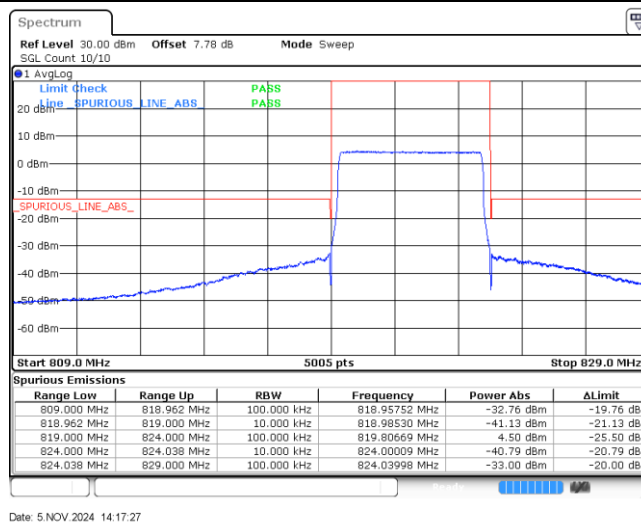
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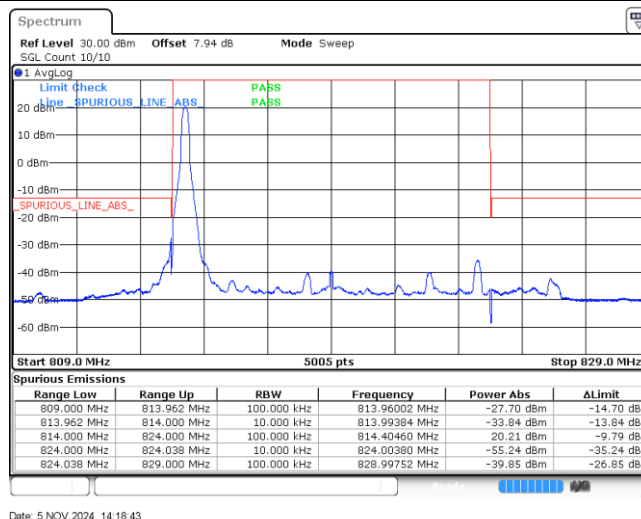
1-N26-814-824-PC3-15-5-H-3-DFT-QPSK-Outer_Full-25@0-Ant0-824.04-20.45--33.45-PASS



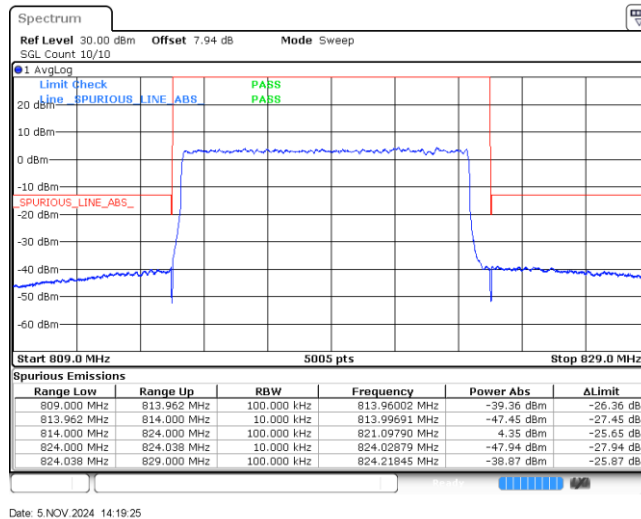
1-N26-814-824-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-824.00-11.24--31.24-PASS



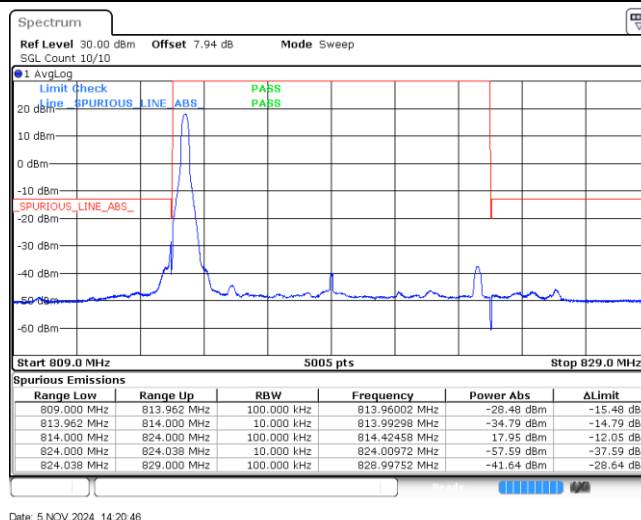
1-N26-814-824-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-818.96-19.76--32.76-PASS



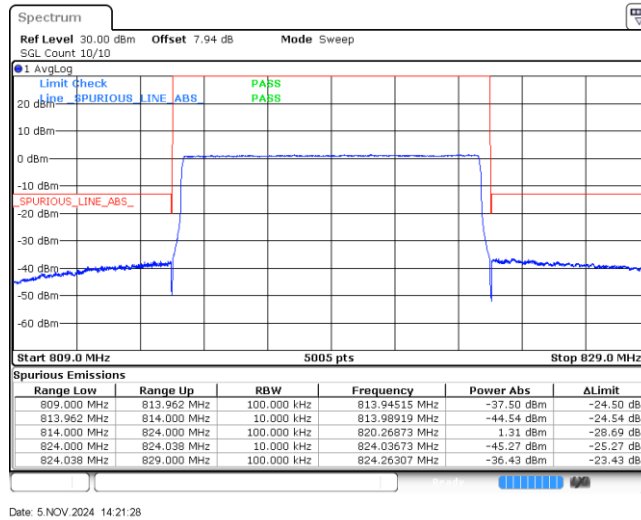
1-N26-814-824-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant0-813.99-13.84--33.84-PASS



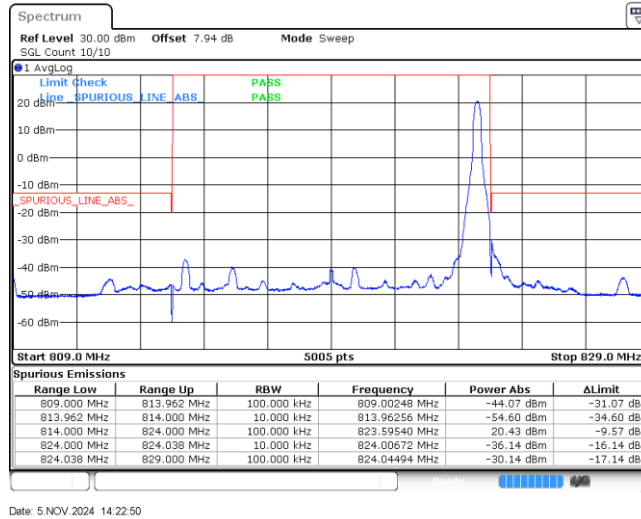
1-N26-814-824-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-Ant0-824.22-25.87--38.87-PASS



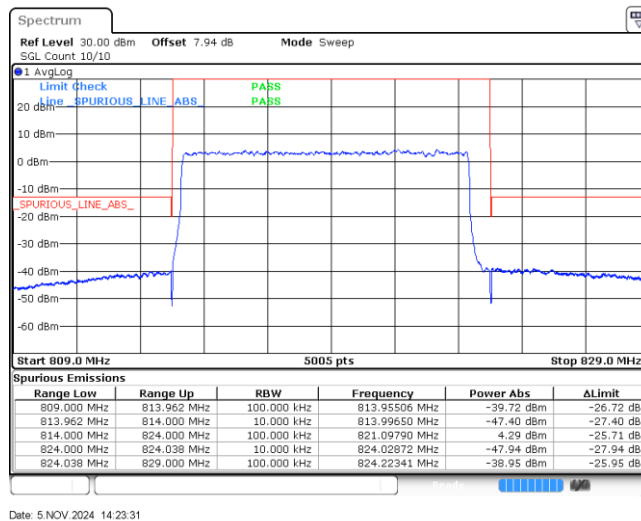
1-N26-814-824-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-813.99-14.79--34.79-PASS



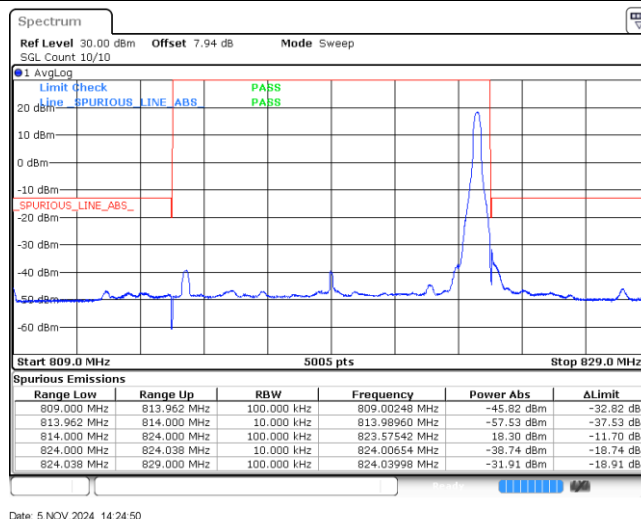
1-N26-814-824-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-824.26-23.43--36.43-PASS



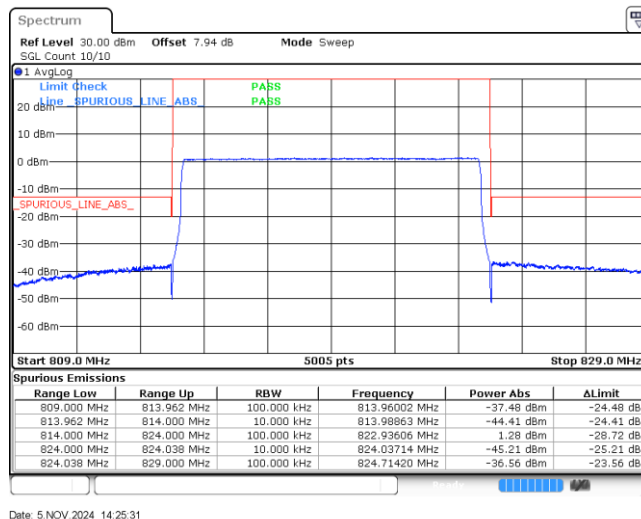
1-N26-814-824-PC3-15-10-H-2-DFT-QPSK-Edge_1RB_Right-1@51-Ant0-824.01-16.14--36.14-PASS



1-N26-814-824-PC3-15-10-H-3-DFT-QPSK-Outer_Full-50@0-Ant0-824.22-25.95--38.95-PASS



1-N26-814-824-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-824.01-18.74--38.74-PASS



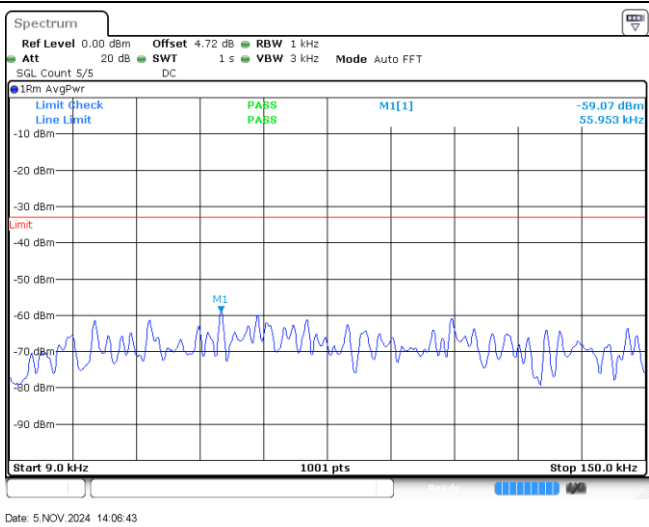
1-N26-814-824-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-824.71-23.56--36.56-PASS

Conducted Spurious Emission for SA

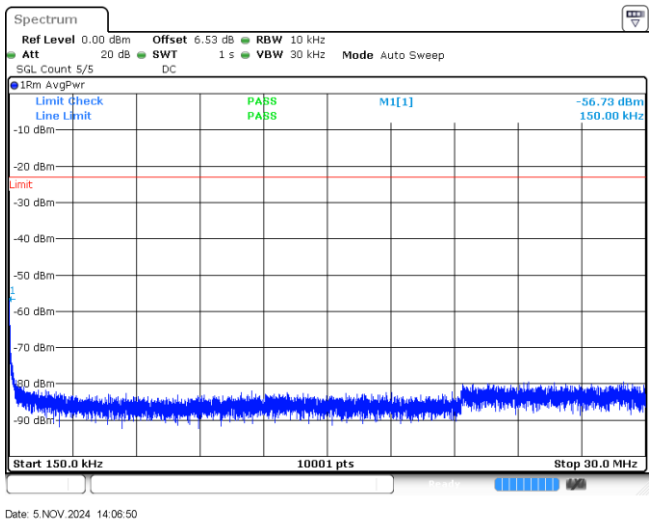
Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N26-814-824	15	10	DFT-QPSK	M	0.009	0.15	1@1	-59.07	-33	PASS
N26-814-824	15	10	DFT-QPSK	M	0.15	30	1@1	-56.73	-23	PASS
N26-814-824	15	10	DFT-QPSK	M	30	1000	1@1	-40.48	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	1000	3000	1@1	-39.05	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	3000	12000	1@1	-41.95	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	12000	20000	1@1	-43.97	-13	PASS

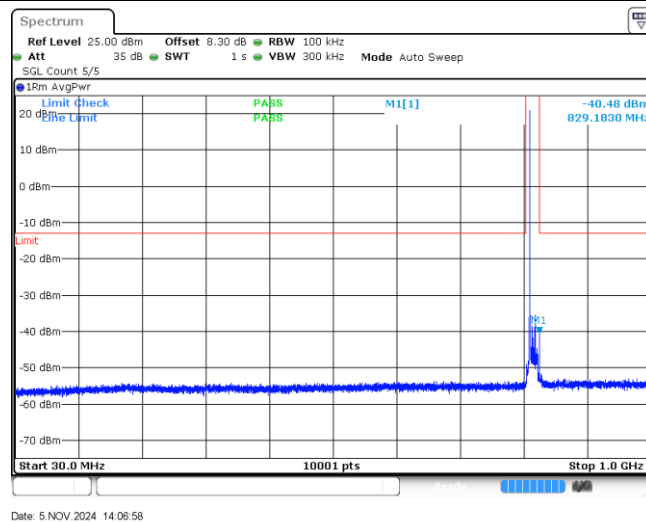
Test Graphs



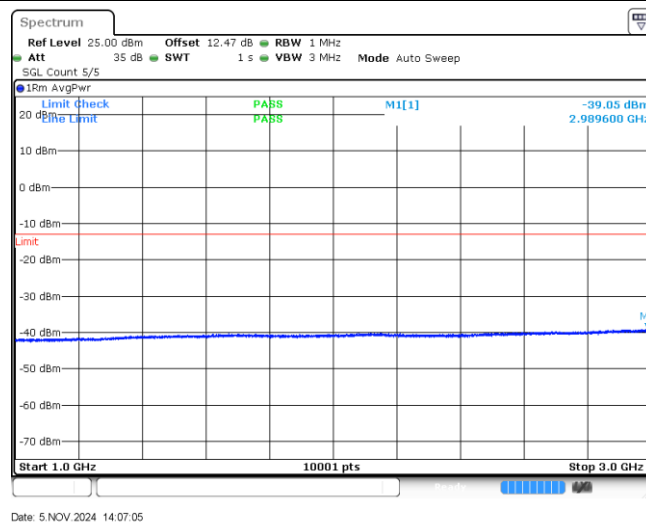
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant0-0.06--59.07--33-P
ASS



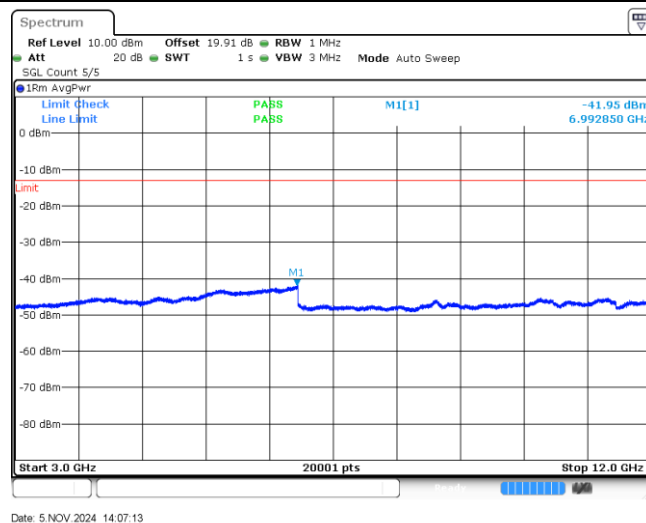
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant0-0.15--56.73--23-PAS
S



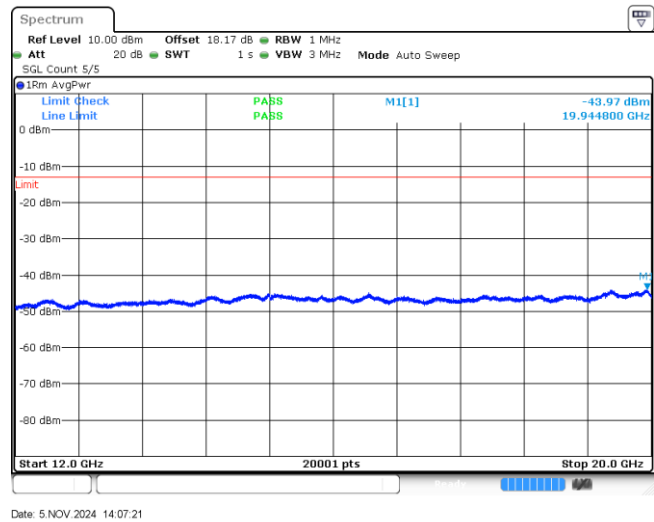
1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant0-829.18--40.48--13-P
 ASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant0-2989.60--39.05--
 13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant0-6992.85--41.95--
 13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant0-19944.80--43.97--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	-3.44	-0.00420	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	NT	-1.95	-0.00238	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	LV	NT	-5.18	-0.00632	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	HV	NT	-1.66	-0.00203	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	NT	0.22	0.00027	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	LV	NT	-1.47	-0.00179	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	0.714000	0.000872	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-20	0.695000	0.000849	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-10	0.602000	0.000735	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	0	-0.955000	-0.001166	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	10	-0.570000	-0.000696	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	20	0.136000	0.000166	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	30	-0.425000	-0.000519	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-30	0.577000	0.000705	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	40	-0.304000	-0.000371	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	50	-2.087000	-0.002548	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-20	-1.334000	-0.001629	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-10	-1.379000	-0.001684	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	0	-1.194000	-0.001458	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	10	0.188000	0.000230	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	20	0.004000	0.000005	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	30	-1.436000	-0.001753	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	40	-2.393000	-0.002922	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-30	-0.826000	-0.001009	PASS

Field Strength of Spurious Radiation

NR N26a(814-824MHz) ANT1-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	-69.66	-13	-56.66	-72.59	2.62	5.55	Horizontal	Pass
2443.5	-66.95	-13	-53.95	-69.59	3.04	5.68	Horizontal	Pass
3258.0	-66.91	-13	-53.91	-71.19	3.28	7.56	Horizontal	Pass
1629.0	-71.06	-13	-58.06	-73.99	2.62	5.55	Vertical	Pass
2443.5	-64.42	-13	-51.42	-67.06	3.04	5.68	Vertical	Pass
3258.0	-67.14	-13	-54.14	-71.42	3.28	7.56	Vertical	Pass