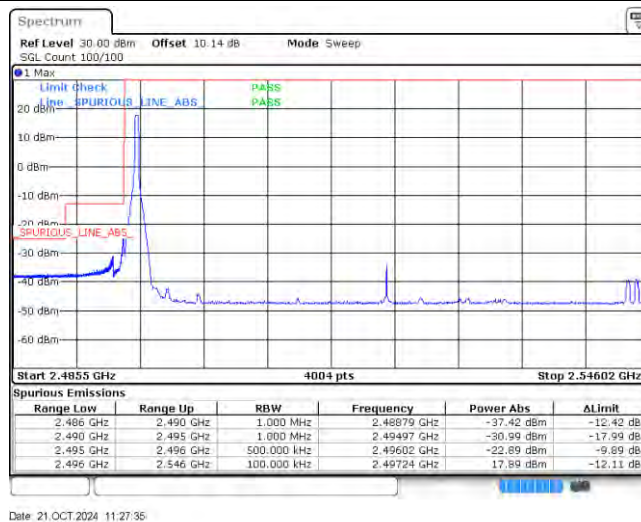
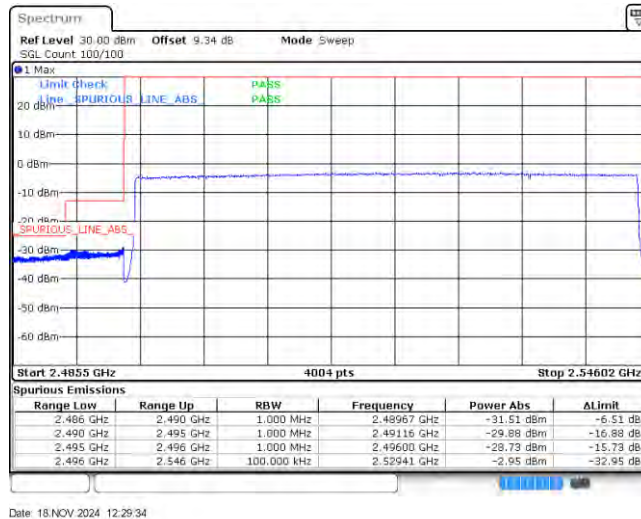
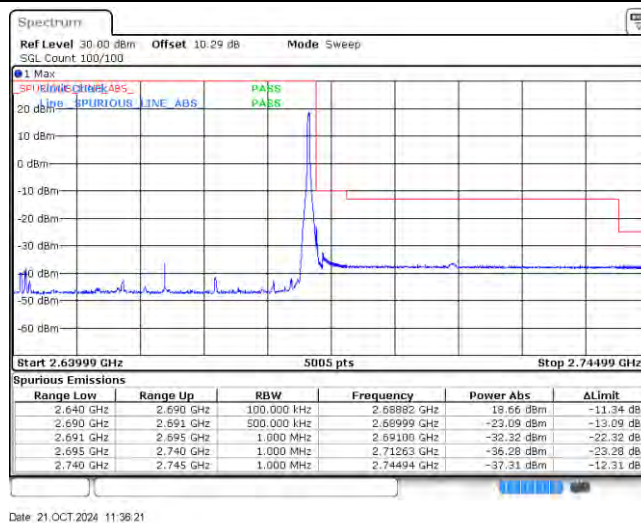




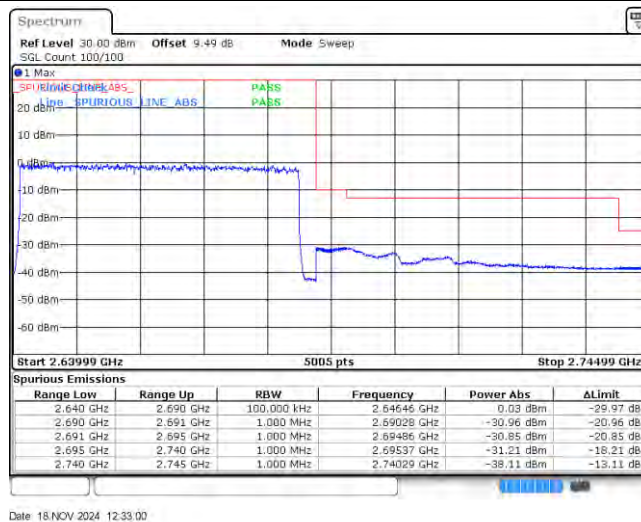
1-N41-PC2-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2496.02-9.89--22.89-PASS



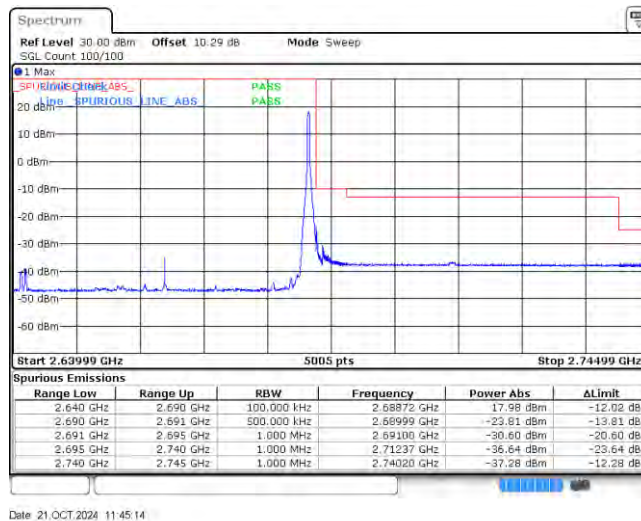
1-N41-PC2-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant5-2489.67-6.51--31.51-PASS



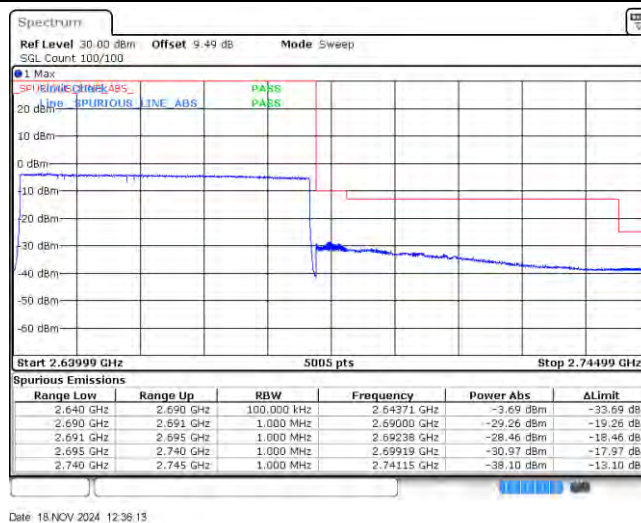
1-N41-PC2-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant5-2744.94-12.31--37.31-PASS



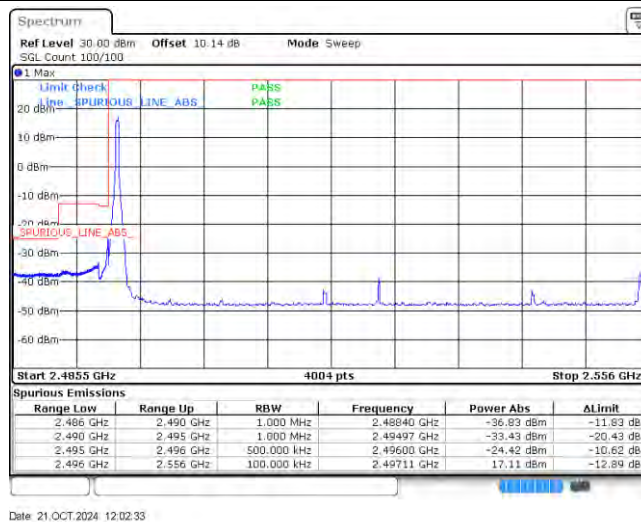
1-N41-PC2-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant5-2740.29-13.11--38.11-PASS



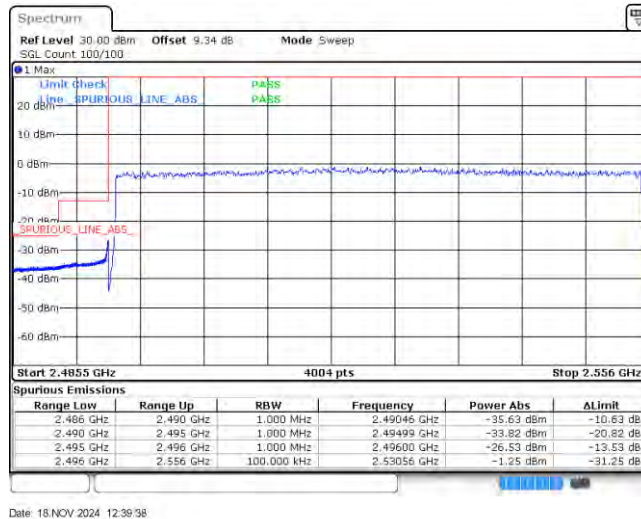
1-N41-PC2-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant5-2740.20-12.28--37.28-PASS



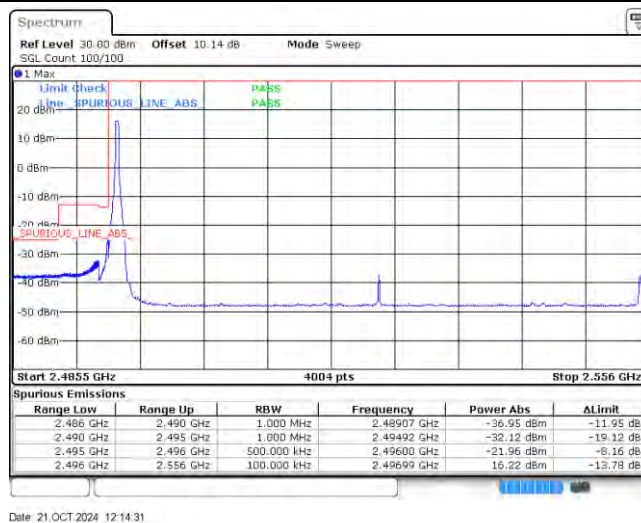
1-N41-PC2-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant5-2741.15-13.10--38.10-PASS



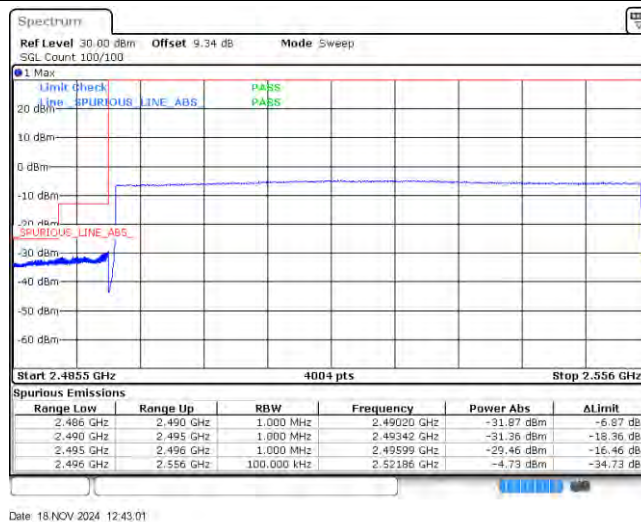
1-N41-PC2-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-2496.00-10.62--24.42-PASS



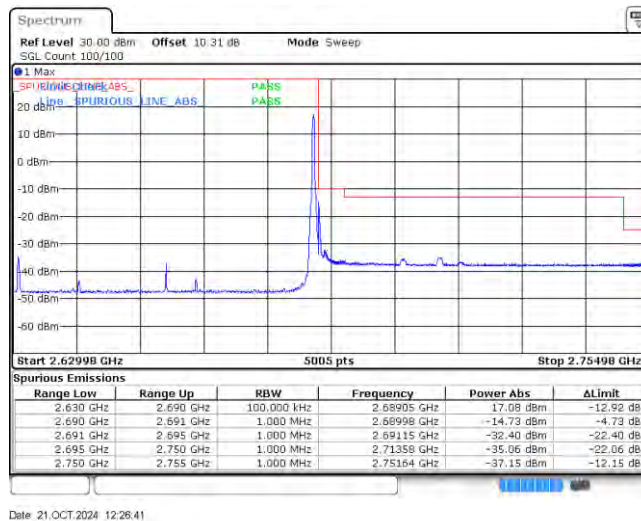
1-N41-PC2-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant5-2490.46-10.63--35.63-PASS



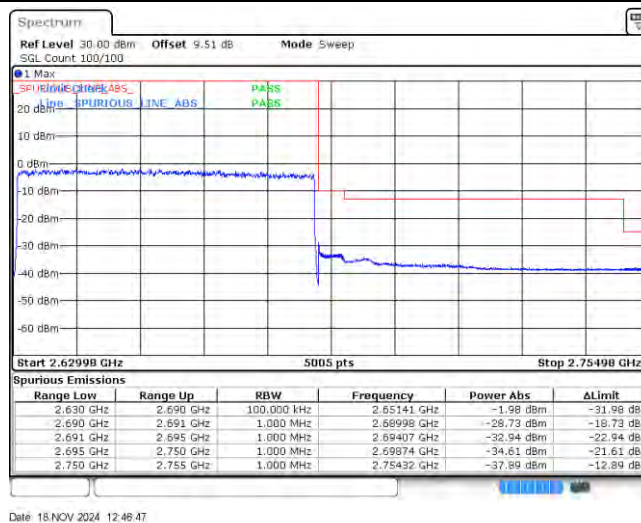
1-N41-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2496.00-8.16--21.96-PASS



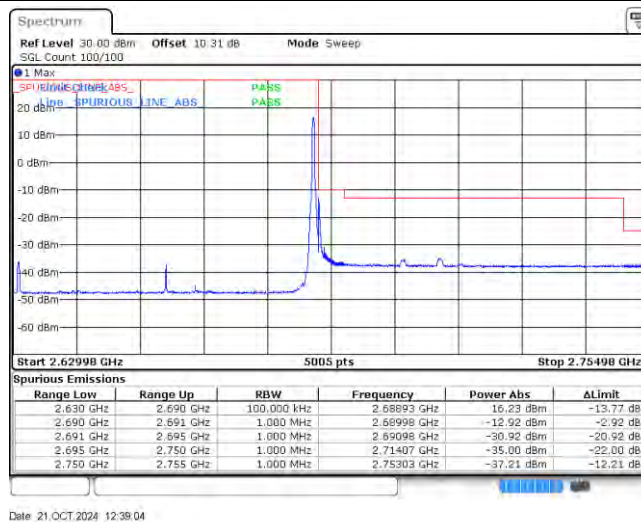
1-N41-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant5-2490.20-6.87--31.87-PASS



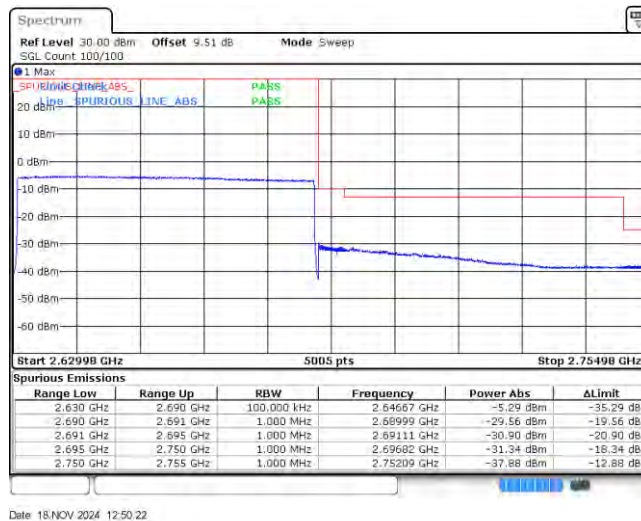
1-N41-PC2-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant5-2689.98-4.73--14.73-PASS



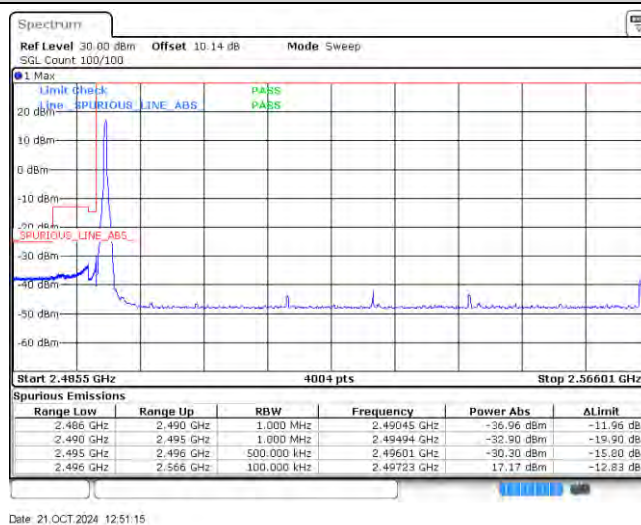
1-N41-PC2-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant5-2754.32-12.89--37.89-PASS



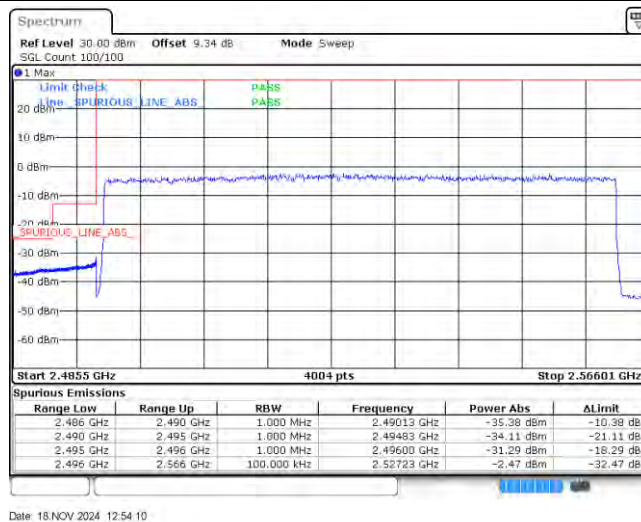
1-N41-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant5-2689.98-2.92--12.92-PASS



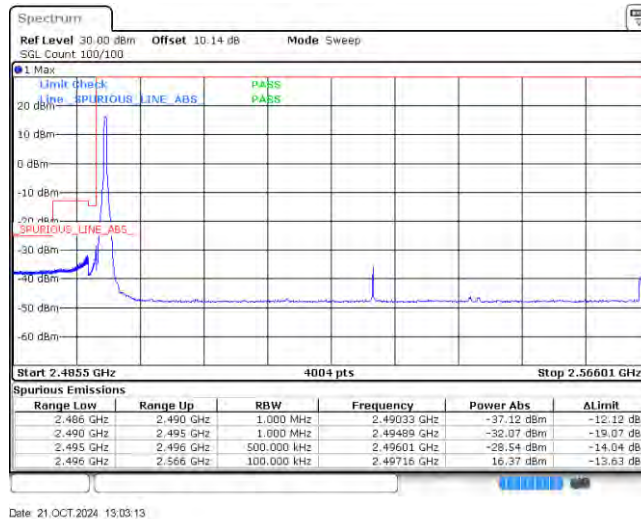
1-N41-PC2-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant5-2752.09-12.88--37.88-PASS



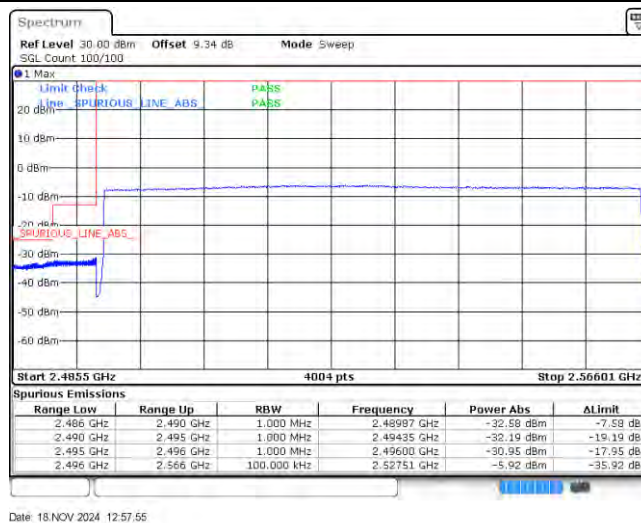
1-N41-PC2-30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-2490.45-11.96--36.96-PASS



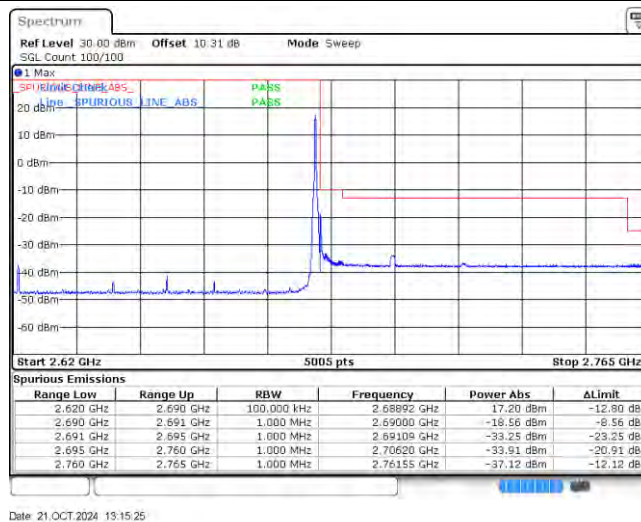
1-N41-PC2-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant5-2490.13-10.38--35.38-PASS



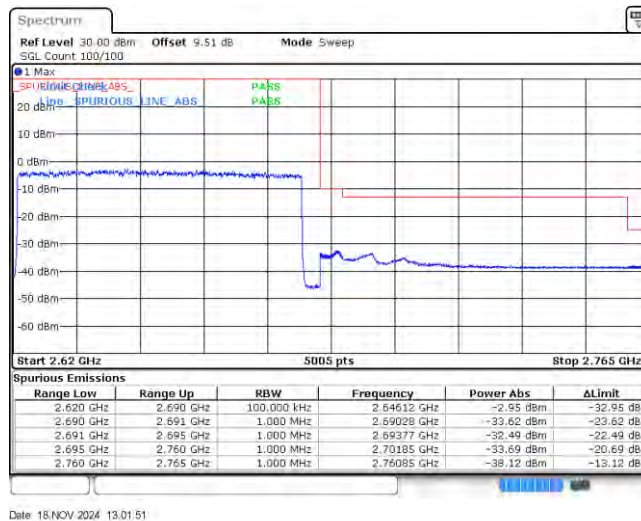
1-N41-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2490.33-12.12--37.12-PASS



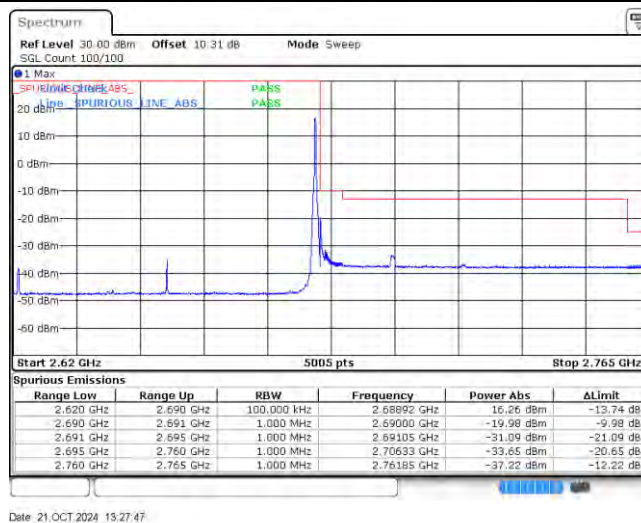
1-N41-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant5-2489.87-7.58--32.58-PASS



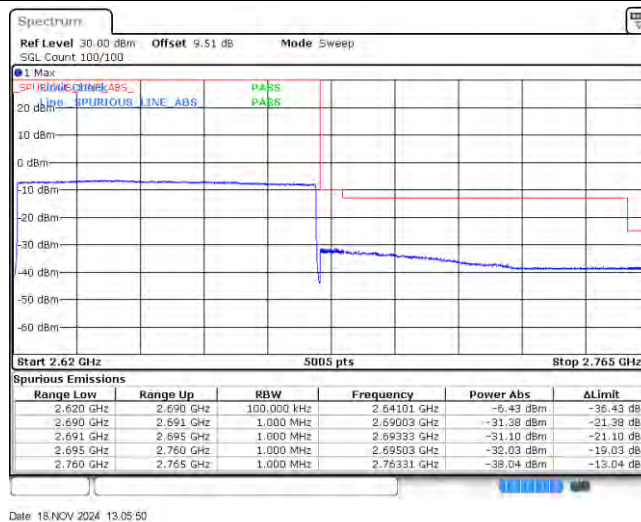
1-N41-PC2-30-70-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@188-Ant5-2690.00-8.56--18.56-PASS



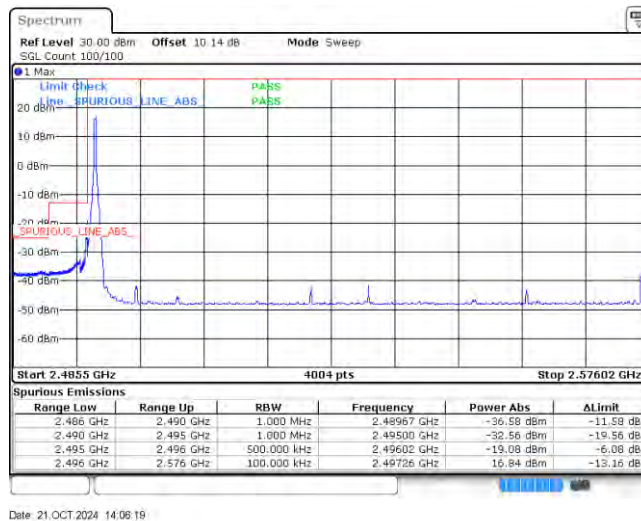
1-N41-PC2-30-70-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant5-2760.85-13.12--38.12-PASS



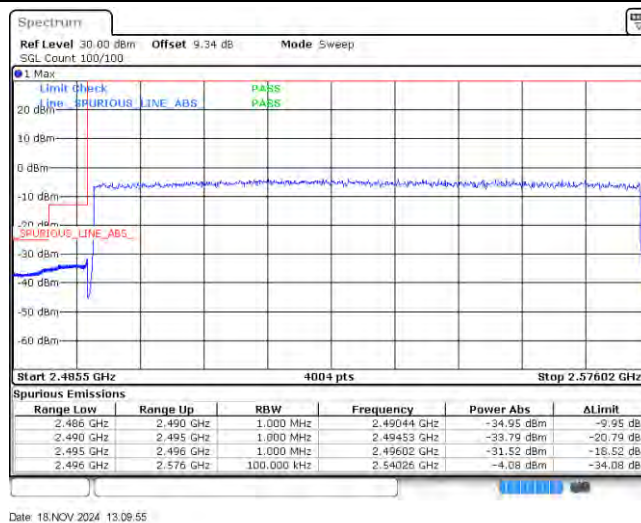
1-N41-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant5-2690.00-9.98--19.98-PASS



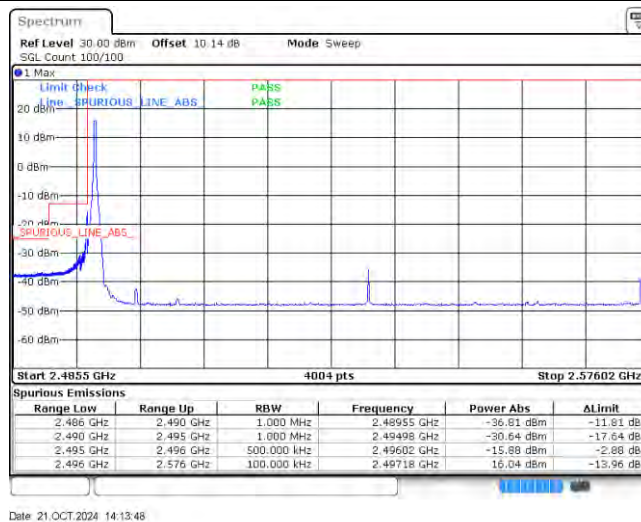
1-N41-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant5-2763.31-13.04--38.04-PASS



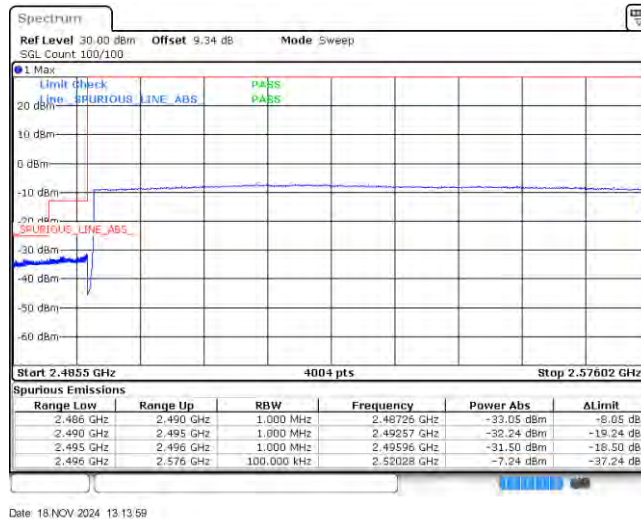
1-N41-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-2496.02-6.08--19.08-PASS



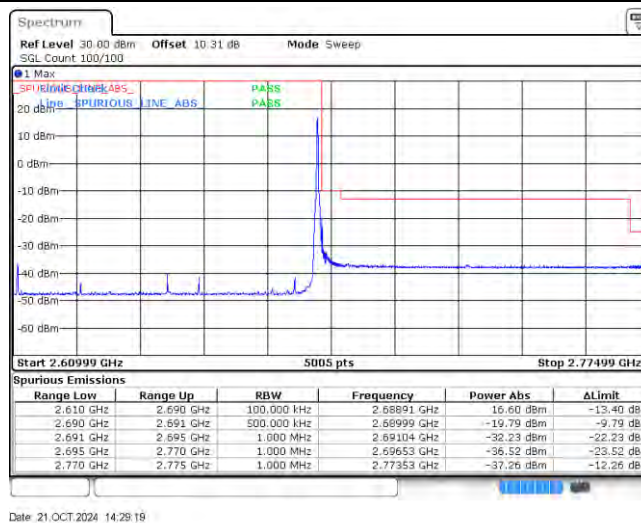
1-N41-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant5-2490.44-9.95--34.95-PASS



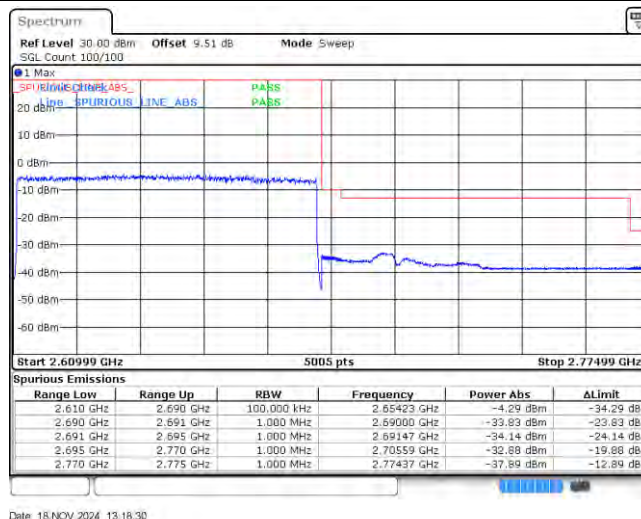
1-N41-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2496.02-2.88--15.88-PASS



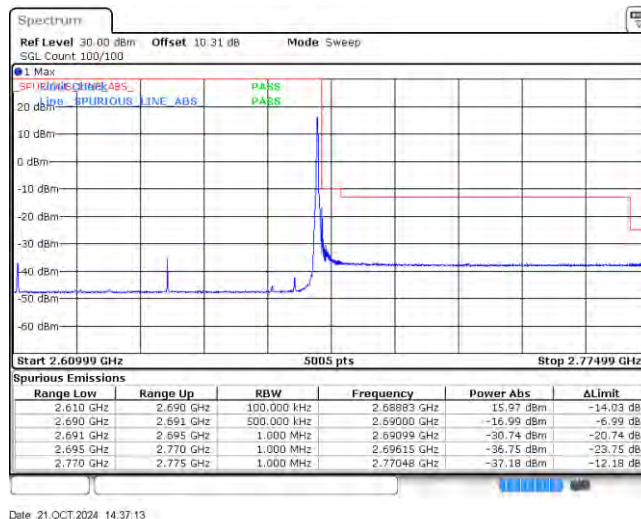
1-N41-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant5-2487.26-8.05--33.05-PASS



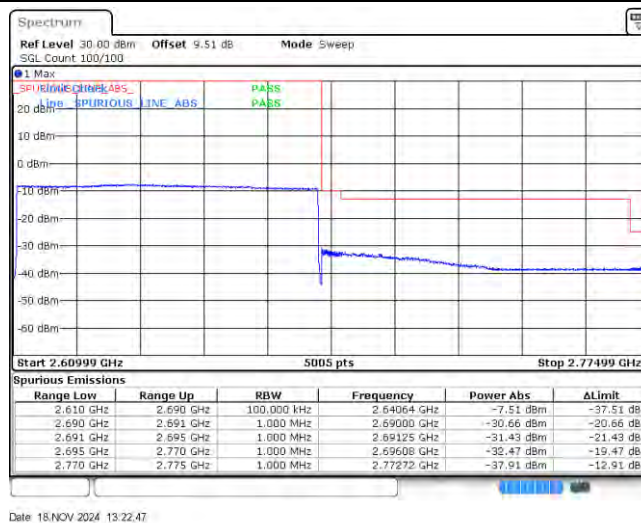
1-N41-PC2-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant5-2689.99-9.79--19.79-PASS



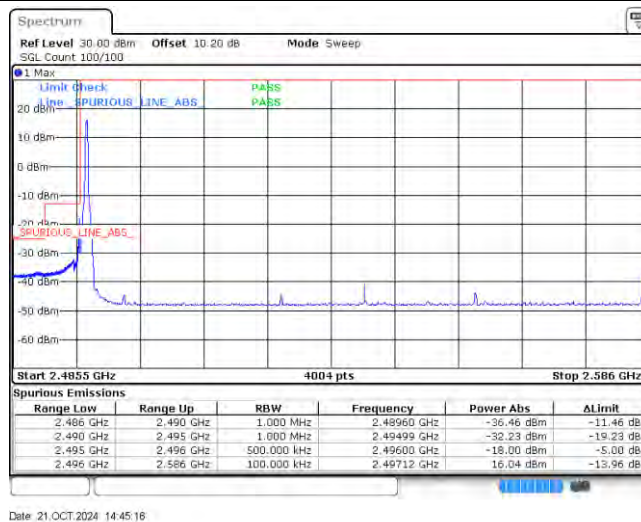
1-N41-PC2-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant5-2774.37-12.89--37.89-PASS



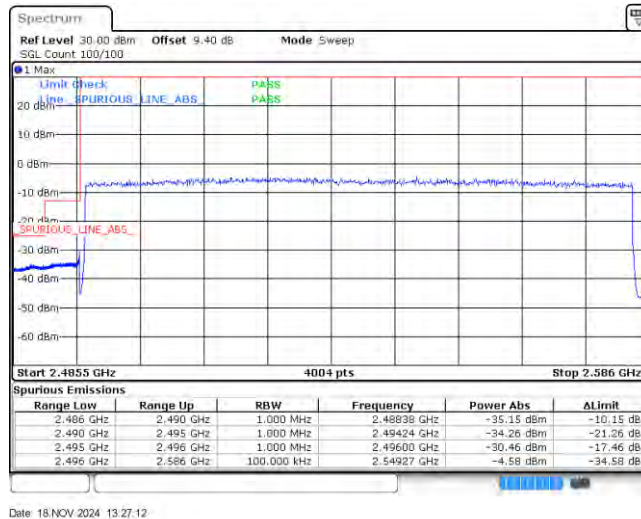
1-N41-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant5-2690.00-6.99--16.99-PASS



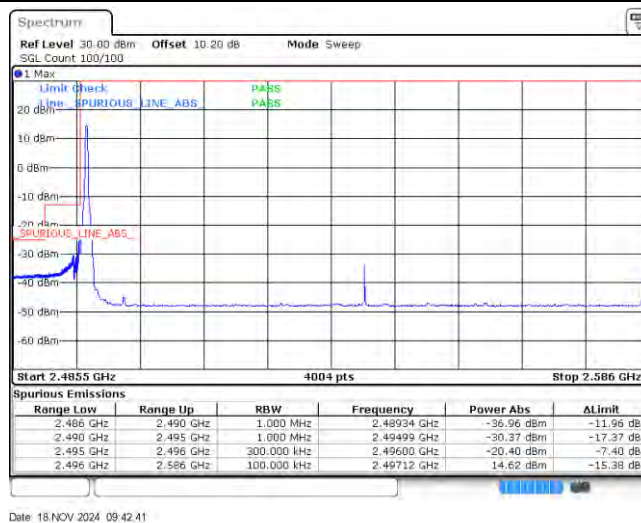
1-N41-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant5-2772.72-12.91--37.91-PASS



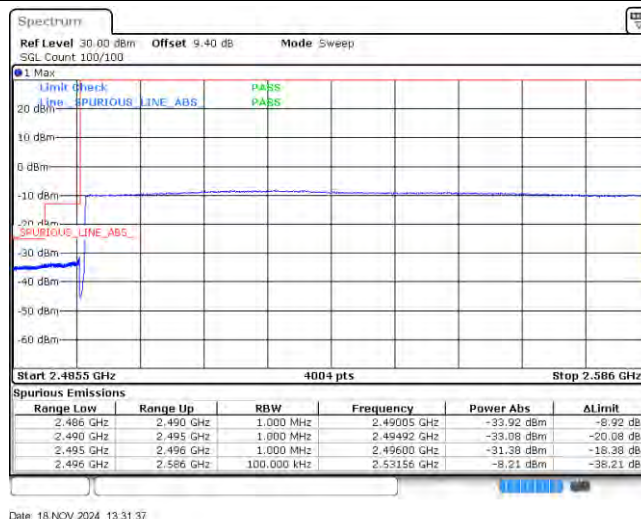
1-N41-PC2-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-2496.00-5.00--18.00-PASS



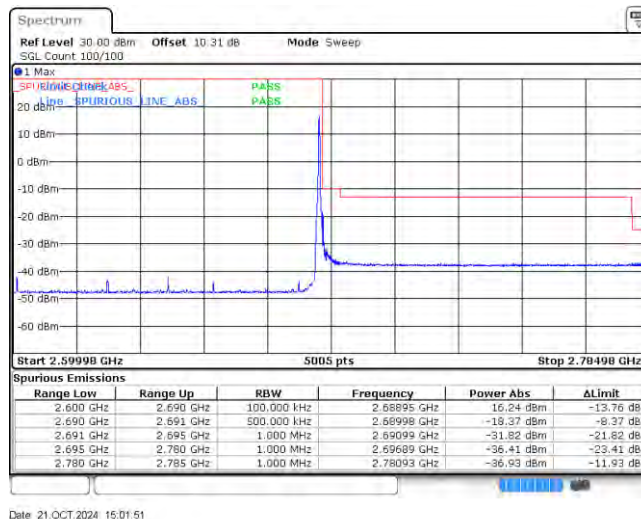
1-N41-PC2-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant5-2488.38-10.15--35.15-PASS



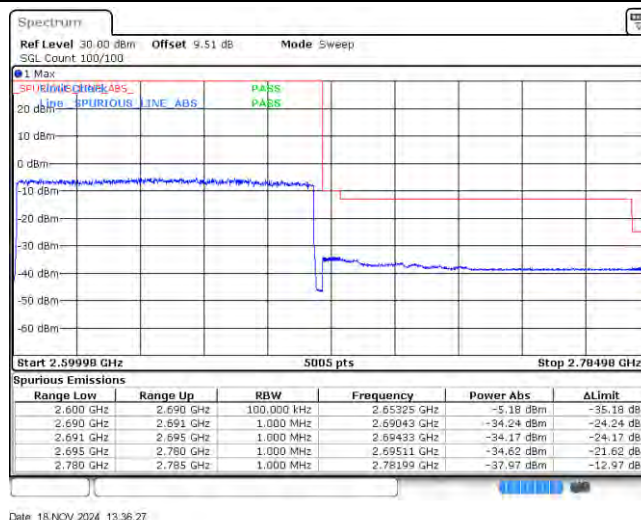
1-N41-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2496.00-7.40--20.40-PASS



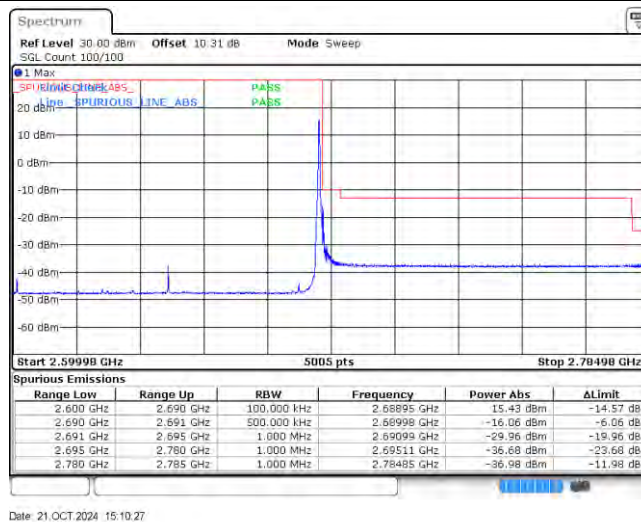
1-N41-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant5-2490.05-8.92--33.92-PASS



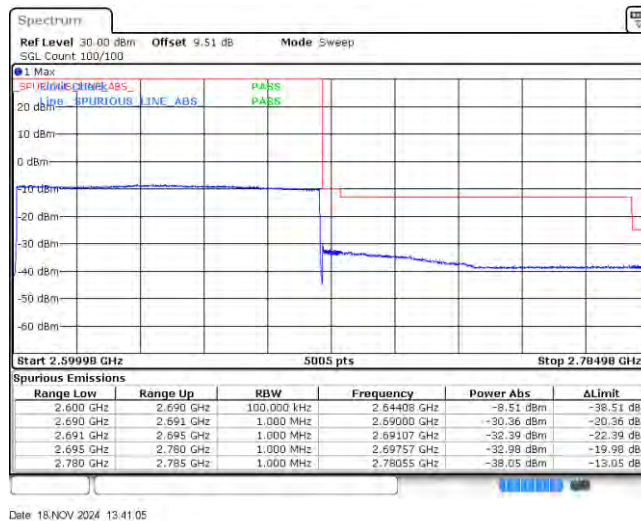
1-N41-PC2-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant5-2689.98-8.37--18.37-PASS



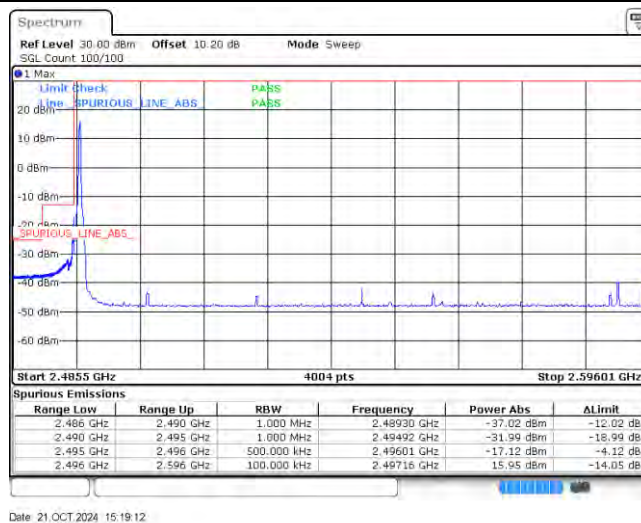
1-N41-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant5-2781.99-12.97--37.97-PASS



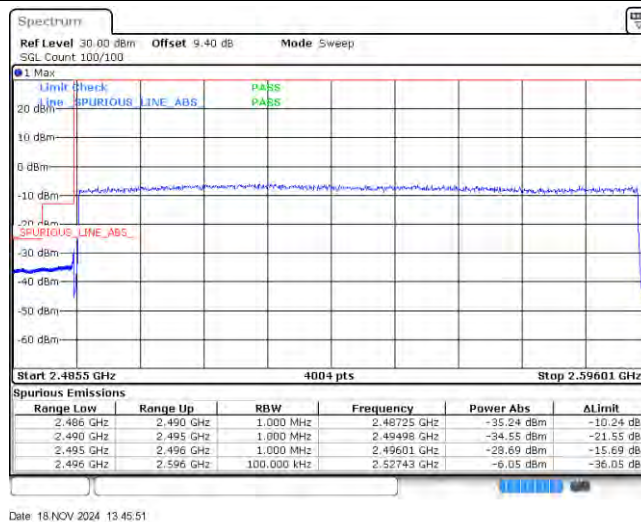
1-N41-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant5-2689.98-6.06--16.06-PASS



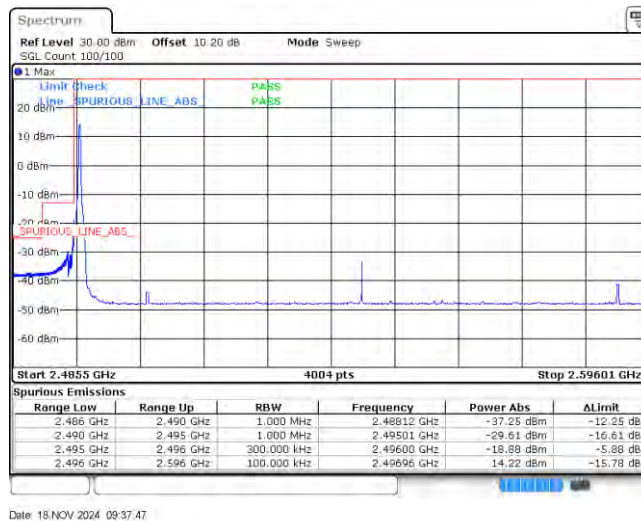
1-N41-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant5-2780.55-13.05--38.05-PASS



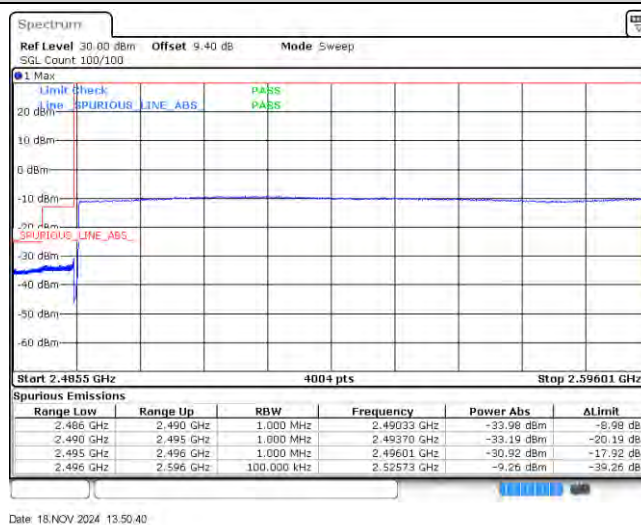
1-N41-PC2-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant5-2496.01-4.12--17.12-PASS



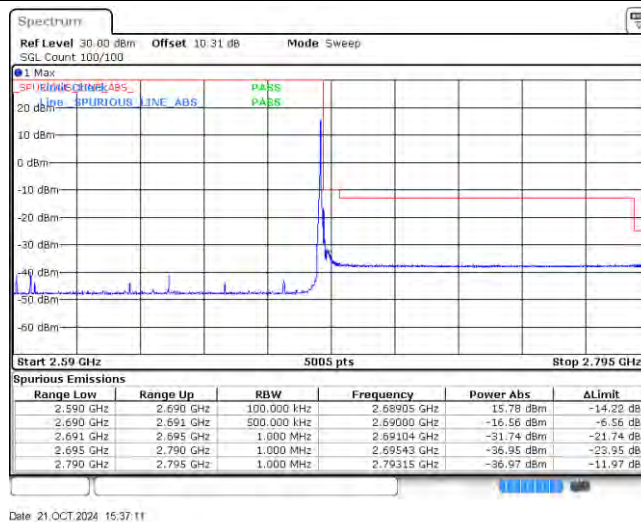
1-N41-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant5-2487.25-10.24--35.24-PASS



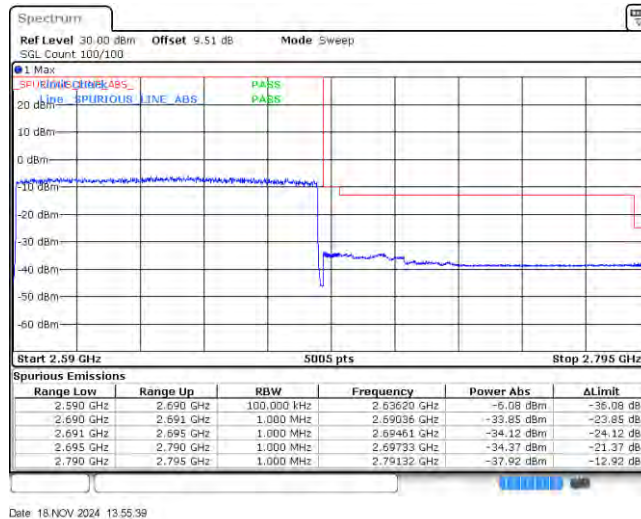
1-N41-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-2496.00-5.88--18.88-PASS



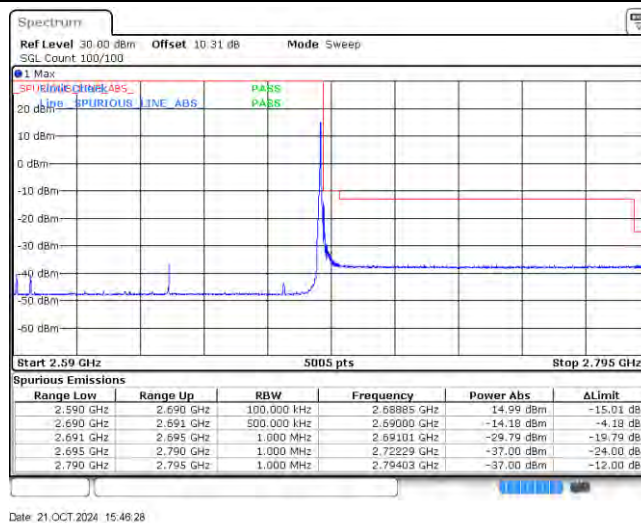
1-N41-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant5-2490.33-8.98--33.98-PASS



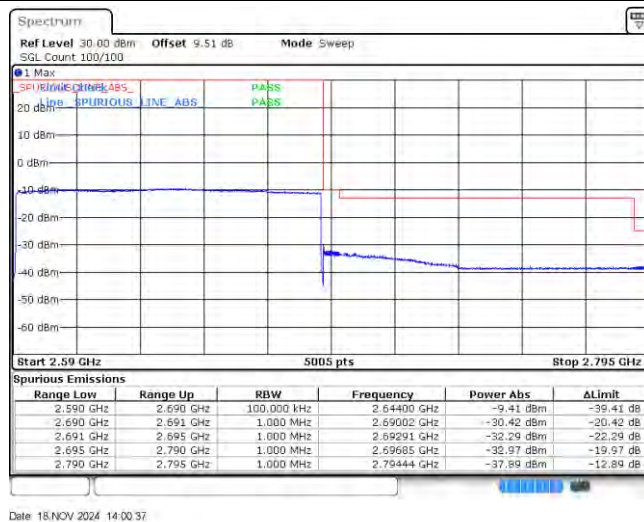
1-N41-PC2-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@272-Ant5-2690.00-6.56--16.56-PASS



1-N41-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant5-2791.32-12.92--37.92-PASS



1-N41-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant5-2690.00-4.18--14.18-PASS



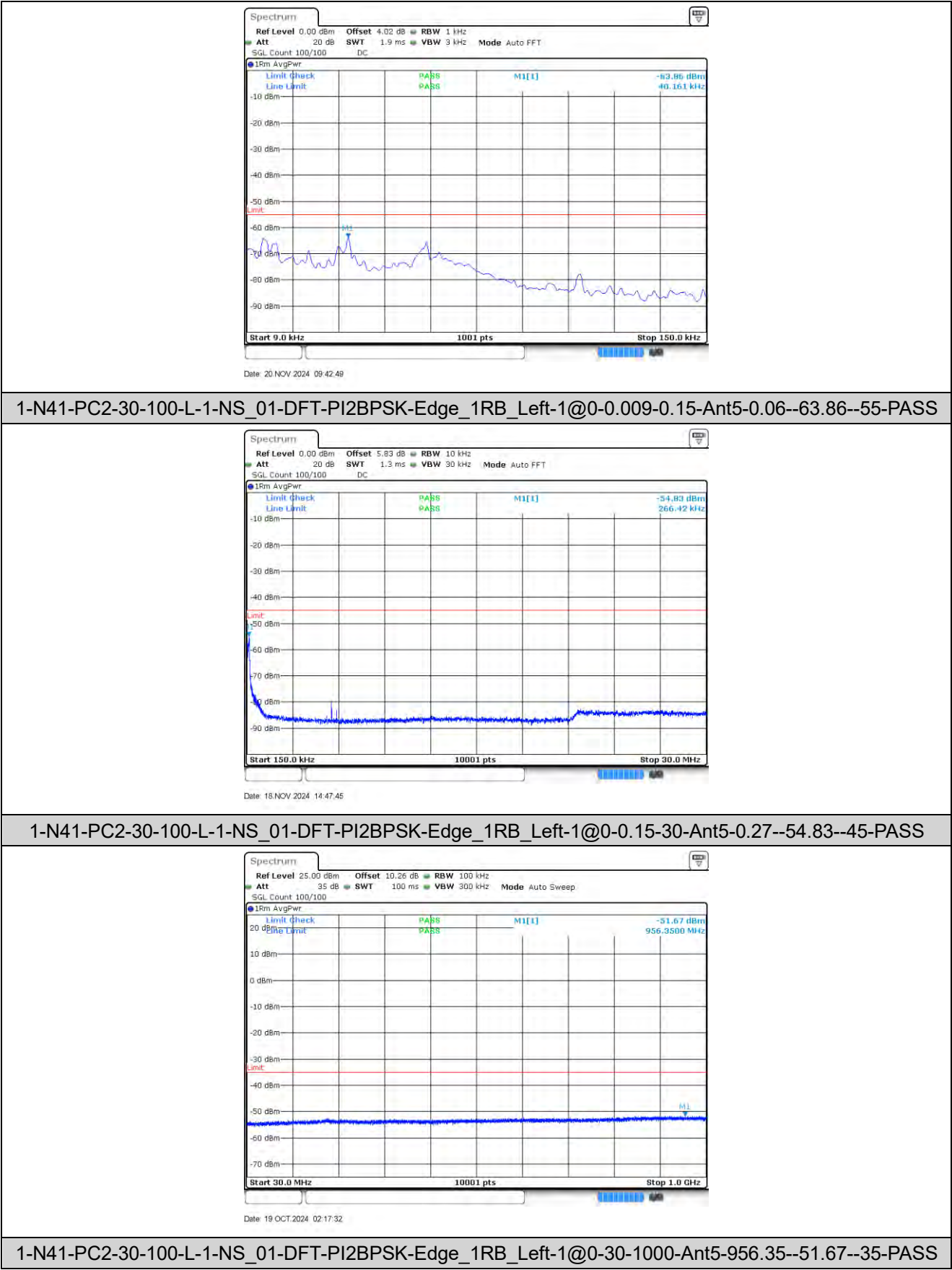
1-N41-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant5-2794.44-12.89--37.89-PASS

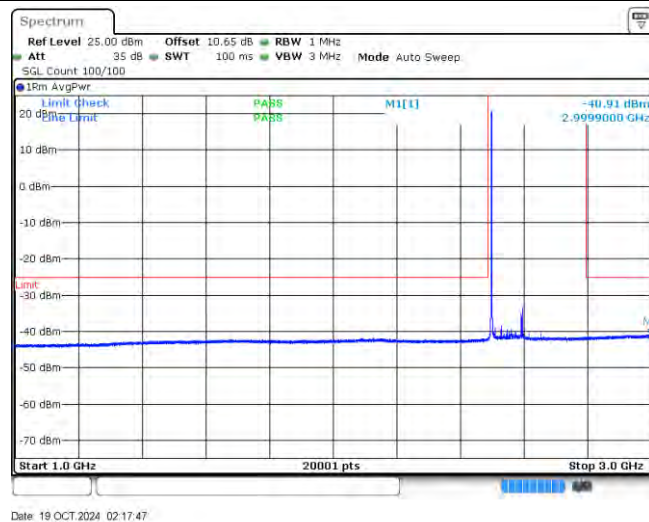
Conducted Spurious Emission for SA

Test Result

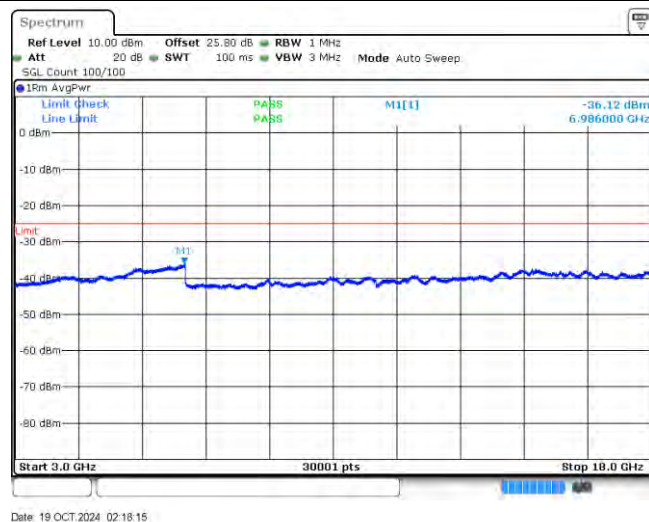
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N41	30	100	DFT-PI2BPSK	L	0.009	0.15	1@1	-63.86	-55	PASS
N41	30	100	DFT-PI2BPSK	L	0.15	30	1@1	-54.83	-45	PASS
N41	30	100	DFT-PI2BPSK	L	30	1000	1@1	-51.67	-35	PASS
N41	30	100	DFT-PI2BPSK	L	1000	3000	1@1	-40.91	-25	PASS
N41	30	100	DFT-PI2BPSK	L	3000	18000	1@1	-36.12	-25	PASS
N41	30	100	DFT-PI2BPSK	L	18000	30000	1@1	-39.90	-25	PASS
N41	30	100	DFT-PI2BPSK	M	0.009	0.15	1@1	-64.02	-55	PASS
N41	30	100	DFT-PI2BPSK	M	0.15	30	1@1	-55.23	-45	PASS
N41	30	100	DFT-PI2BPSK	M	30	1000	1@1	-51.61	-35	PASS
N41	30	100	DFT-PI2BPSK	M	1000	3000	1@1	-40.96	-25	PASS
N41	30	100	DFT-PI2BPSK	M	3000	18000	1@1	-36.25	-25	PASS
N41	30	100	DFT-PI2BPSK	M	18000	30000	1@1	-39.73	-25	PASS
N41	30	100	DFT-PI2BPSK	H	0.009	0.15	1@1	-63.25	-55	PASS
N41	30	100	DFT-PI2BPSK	H	0.15	30	1@1	-56.00	-45	PASS
N41	30	100	DFT-PI2BPSK	H	30	1000	1@1	-51.37	-35	PASS
N41	30	100	DFT-PI2BPSK	H	1000	3000	1@1	-40.92	-25	PASS
N41	30	100	DFT-PI2BPSK	H	3000	18000	1@1	-36.32	-25	PASS
N41	30	100	DFT-PI2BPSK	H	18000	30000	1@1	-39.97	-25	PASS

Test Graphs

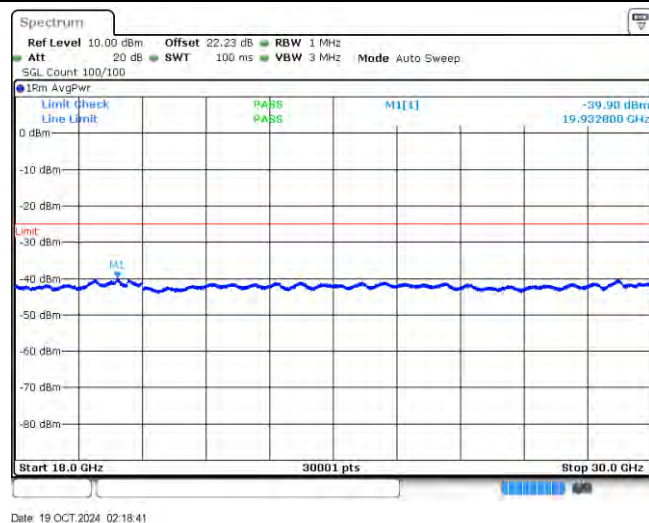




1-N41-PC2-30-100-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-2999.90--40.91--25-PA
SS



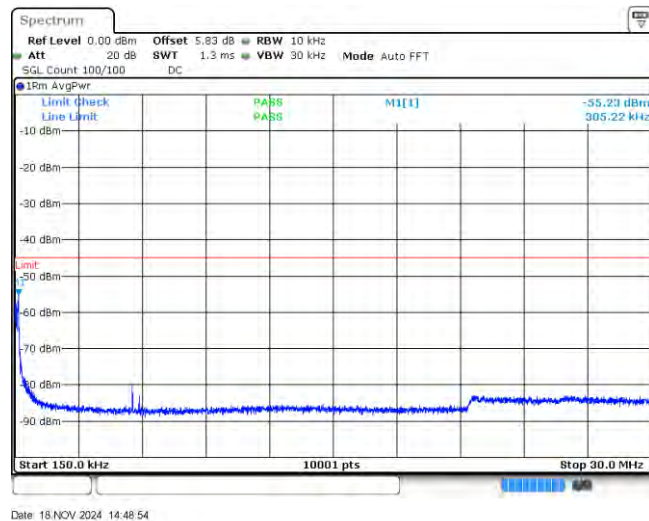
1-N41-PC2-30-100-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-18000-Ant5-6986.00--36.12--25-P
ASS



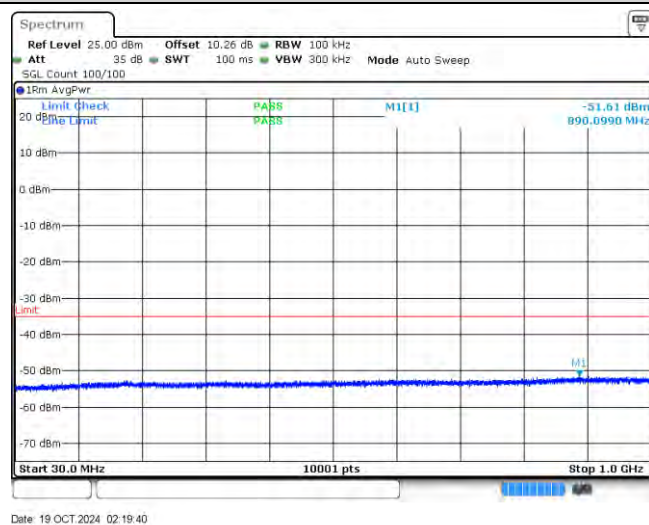
1-N41-PC2-30-100-L-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-18000-30000-Ant5-19932.80--39.90--2
5-PASS



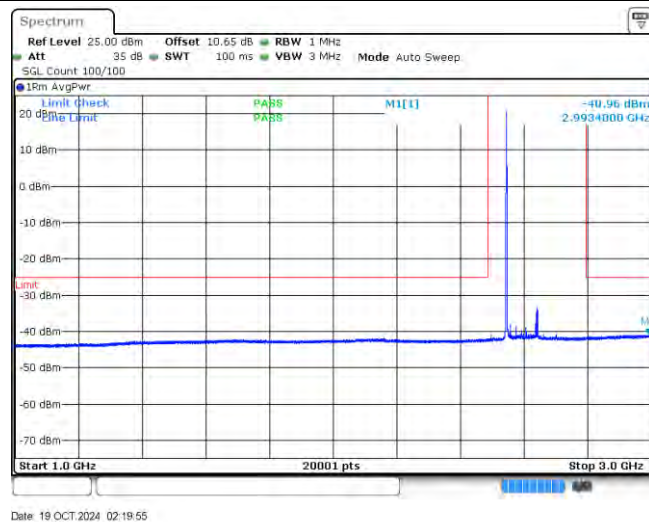
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant5-0.06--64.02--55-PASS



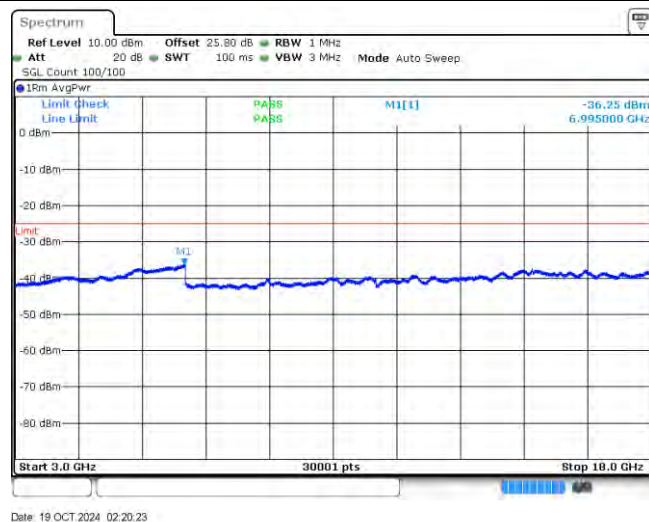
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant5-0.31--55.23--45-PASS



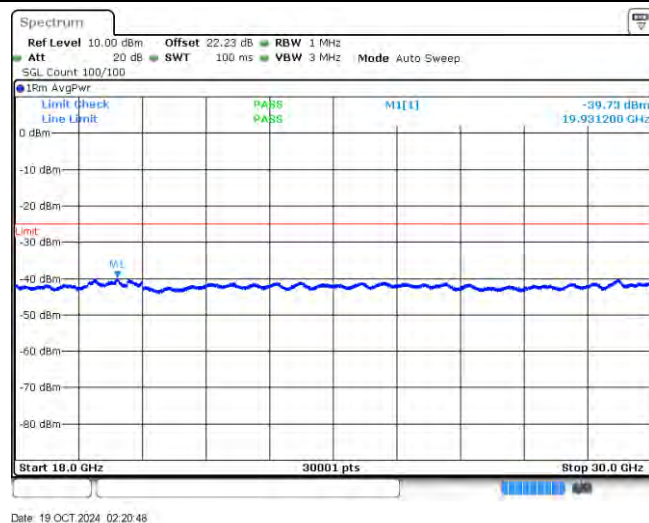
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant5-890.10--51.61--35-PASS



1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-2993.40--40.96--25-P
 ASS



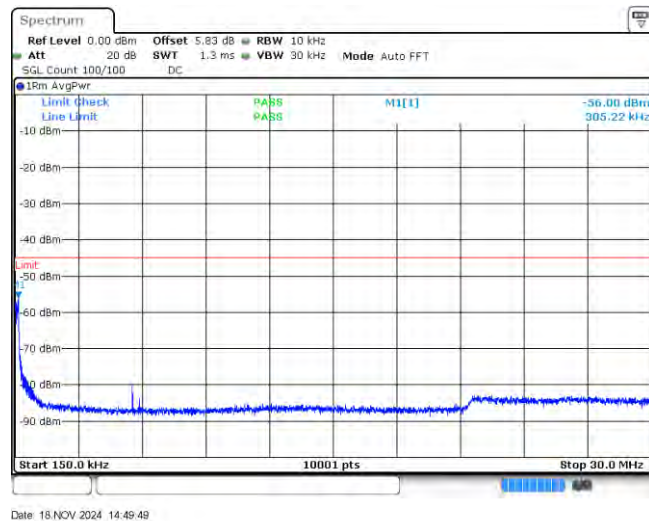
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-18000-Ant5-6995.00--36.25--25-
 PASS



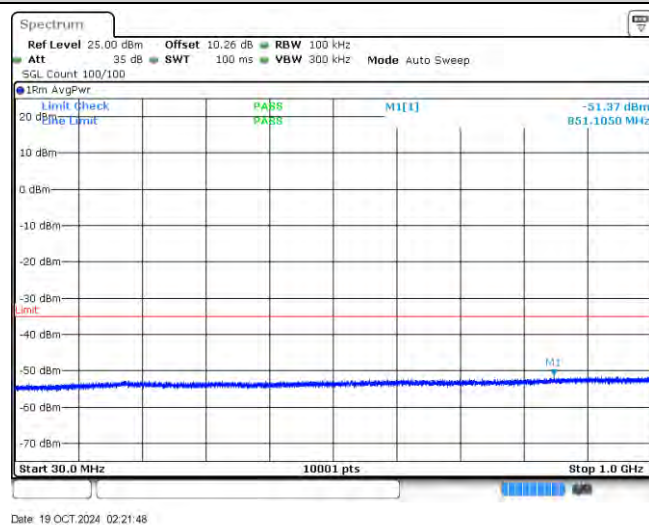
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-18000-30000-Ant5-19931.20--39.73--2
 5-PASS



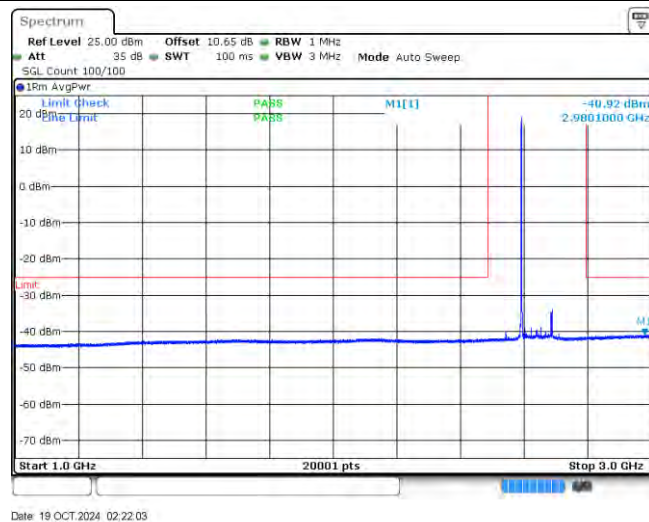
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant5-0.06--63.25--55-PASS



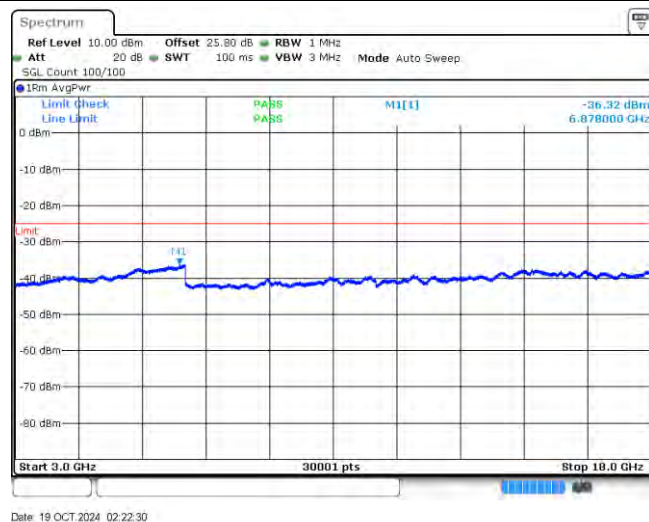
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-0.15-30-Ant5-0.31--56.00--45-PASS



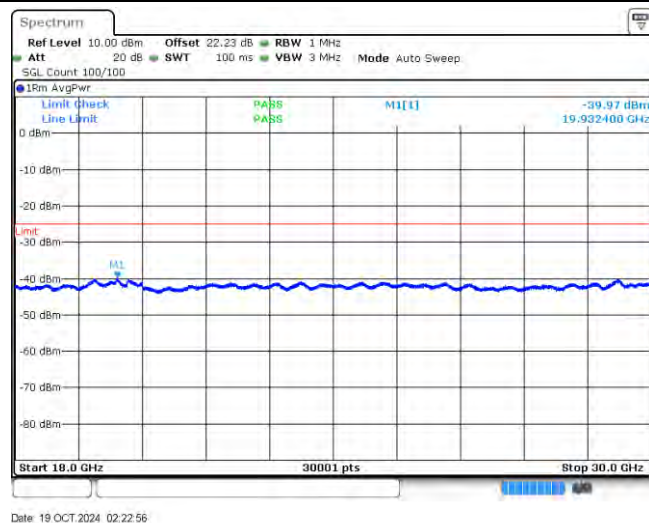
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-30-1000-Ant5-851.11--51.37--35-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-1000-3000-Ant5-2980.10--40.92--25-P
 ASS



1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-3000-18000-Ant5-6878.00--36.32--25-P
 PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Edge_1RB_Left-1@0-18000-30000-Ant5-19932.40--39.97--2
 5-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
N41	30	100	DFT-PI2BPSK	M	270@0	HV	NT	-19.35	-0.00746	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	NT	-15.37	-0.00593	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	LV	NT	-9.69	-0.00374	PASS
N41	30	100	CP-QPSK	M	273@0	HV	NT	-23.44	-0.00904	PASS
N41	30	100	CP-QPSK	M	273@0	NV	NT	-28.29	-0.01091	PASS
N41	30	100	CP-QPSK	M	273@0	LV	NT	-16.38	-0.00632	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(°C)	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	270@0	NV	50	-3.347000	-0.001291	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	-20	-4.305000	-0.001660	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	-10	-4.870000	-0.001878	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	0	8.569000	0.003305	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	10	-2.998000	-0.001156	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	20	-4.250000	-0.001639	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	30	-3.390000	-0.001307	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	-30	-13.448000	-0.005186	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	40	4.814000	0.001857	PASS
N41	30	100	CP-QPSK	M	273@0	NV	50	-9.431000	-0.003637	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-20	-15.056000	-0.005806	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-10	-6.864000	-0.002647	PASS
N41	30	100	CP-QPSK	M	273@0	NV	0	-8.347000	-0.003219	PASS
N41	30	100	CP-QPSK	M	273@0	NV	10	-2.191000	-0.000845	PASS
N41	30	100	CP-QPSK	M	273@0	NV	20	5.484000	0.002115	PASS
N41	30	100	CP-QPSK	M	273@0	NV	30	-12.985000	-0.005008	PASS
N41	30	100	CP-QPSK	M	273@0	NV	40	2.605000	0.001005	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-30	12.515000	0.004826	PASS

Field Strength of Spurious Radiation

NR N41 ANT11-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
5002.02	-62.34	-25	-37.34	-67.91	4.57	10.14	Horizontal	Pass
7503.03	-60.41	-25	-35.41	-67.21	4.94	11.74	Horizontal	Pass
10004.04	-56.77	-25	-31.77	-64.34	5.46	13.03	Horizontal	Pass
5002.02	-62.14	-25	-37.14	-67.71	4.57	10.14	Vertical	Pass
7503.03	-60.22	-25	-35.22	-67.02	4.94	11.74	Vertical	Pass
10004.04	-56.7	-25	-31.7	-64.27	5.46	13.03	Vertical	Pass

NR N41 ANT11-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
5095.98	-62.84	-25	-37.84	-68.44	4.6	10.2	Horizontal	Pass
7643.97	-60.18	-25	-35.18	-67.14	4.95	11.91	Horizontal	Pass
10191.96	-56.64	-25	-31.64	-64.21	5.49	13.06	Horizontal	Pass
5095.98	-62.99	-25	-37.99	-68.59	4.6	10.2	Vertical	Pass
7643.97	-59.98	-25	-34.98	-66.94	4.95	11.91	Vertical	Pass
10191.96	-56.56	-25	-31.56	-64.13	5.49	13.06	Vertical	Pass

NR N41 ANT11-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
5190.0	-62.63	-25	-37.63	-68.26	4.63	10.26	Horizontal	Pass
7785.0	-59.61	-25	-34.61	-66.73	4.96	12.08	Horizontal	Pass
10380.0	-57.12	-25	-32.12	-64.7	5.52	13.1	Horizontal	Pass
5190.0	-63.59	-25	-38.59	-69.22	4.63	10.26	Vertical	Pass
7785.0	-59.63	-25	-34.63	-66.75	4.96	12.08	Vertical	Pass
10380.0	-56.33	-25	-31.33	-63.91	5.52	13.1	Vertical	Pass

NSA_4A_n41A-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
5002.02	-62.76	-25	-37.76	-68.33	4.57	10.14	Horizontal	Pass
7503.03	-60.48	-25	-35.48	-67.28	4.94	11.74	Horizontal	Pass
10004.04	-57.41	-25	-32.41	-64.98	5.46	13.03	Horizontal	Pass
5002.02	-62.52	-25	-37.52	-68.09	4.57	10.14	Vertical	Pass
7503.03	-60.46	-25	-35.46	-67.26	4.94	11.74	Vertical	Pass
10004.04	-57.17	-25	-32.17	-64.74	5.46	13.03	Vertical	Pass

NSA_4A_n41A-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
5095.98	-61.9	-25	-36.9	-67.5	4.6	10.2	Horizontal	Pass
7643.97	-60.14	-25	-35.14	-67.1	4.95	11.91	Horizontal	Pass
10191.96	-56.34	-25	-31.34	-63.91	5.49	13.06	Horizontal	Pass
5095.98	-62.12	-25	-37.12	-67.72	4.6	10.2	Vertical	Pass
7643.97	-60.31	-25	-35.31	-67.27	4.95	11.91	Vertical	Pass
10191.96	-57.14	-25	-32.14	-64.71	5.49	13.06	Vertical	Pass

NSA_4A_n41A-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
5190.0	-63.27	-25	-38.27	-68.9	4.63	10.26	Horizontal	Pass
7785.0	-59.06	-25	-34.06	-66.18	4.96	12.08	Horizontal	Pass
10380.0	-56.72	-25	-31.72	-64.3	5.52	13.1	Horizontal	Pass
5190.0	-62.87	-25	-37.87	-68.5	4.63	10.26	Vertical	Pass
7785.0	-55.69	-25	-30.69	-62.81	4.96	12.08	Vertical	Pass
10380.0	-56.73	-25	-31.73	-64.31	5.52	13.1	Vertical	Pass