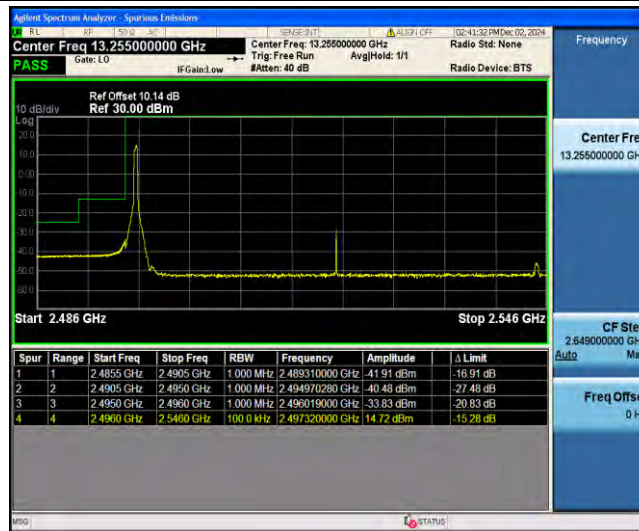
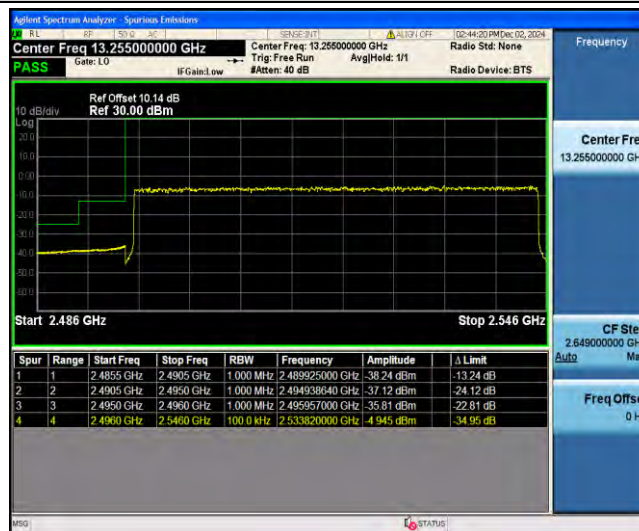
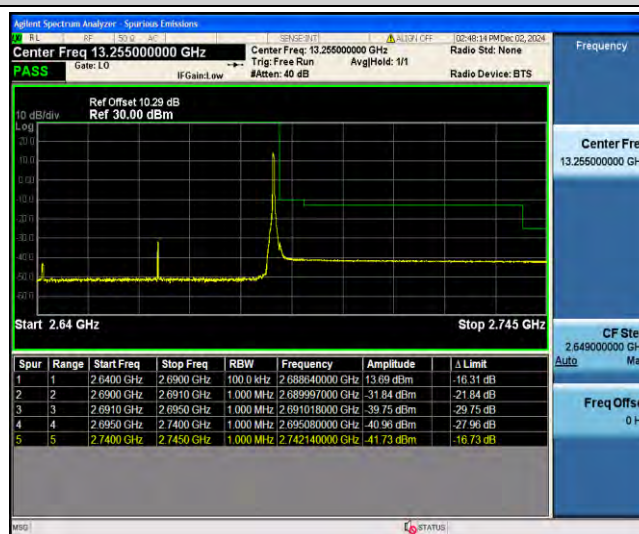




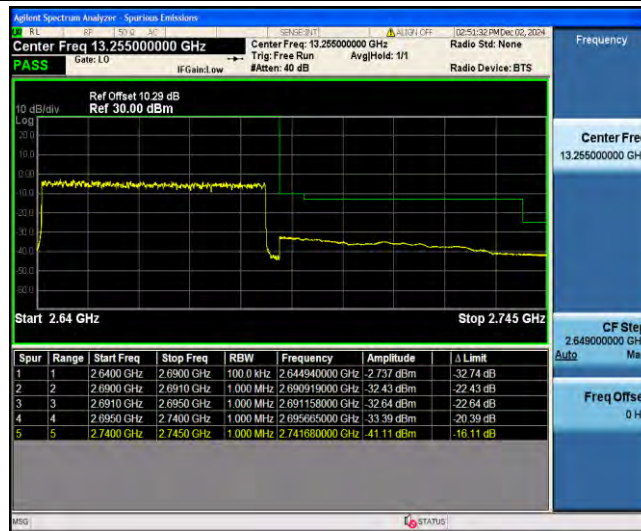
1-N41-PC2-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2489.31-16.91--41.91-PASS



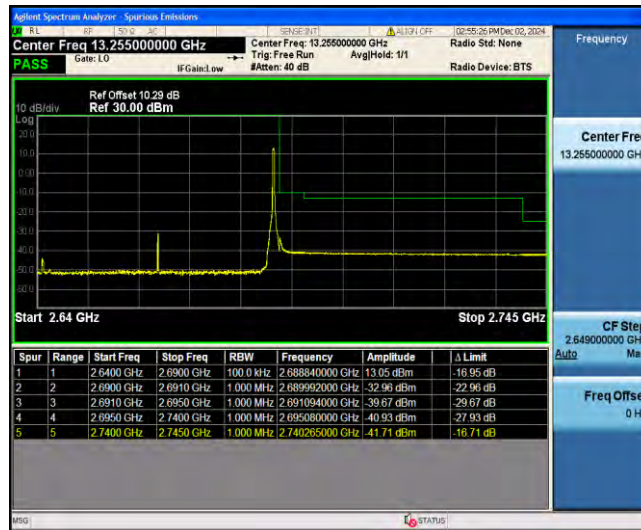
1-N41-PC2-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant3-2489.93-13.24--38.24-PASS



1-N41-PC2-30-50-H-2-DFT-QPSK-Edge_1RB_Right-1@132-Ant3-2742.14-16.73--41.73-PASS



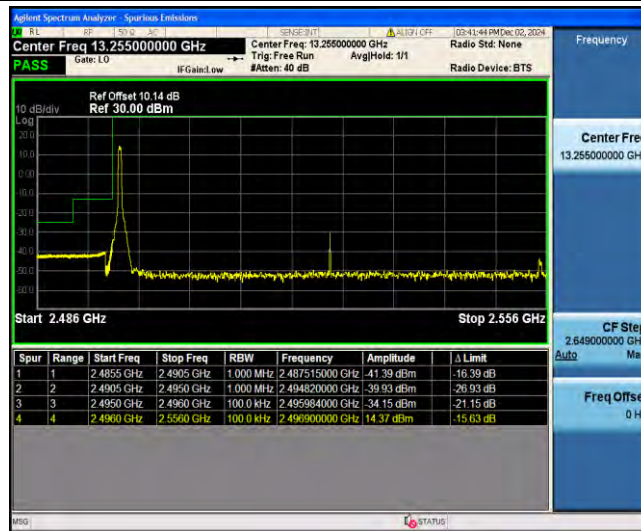
1-N41-PC2-30-50-H-3-DFT-QPSK-Outer_Full-128@0-Ant3-2741.68-16.11--41.11-PASS



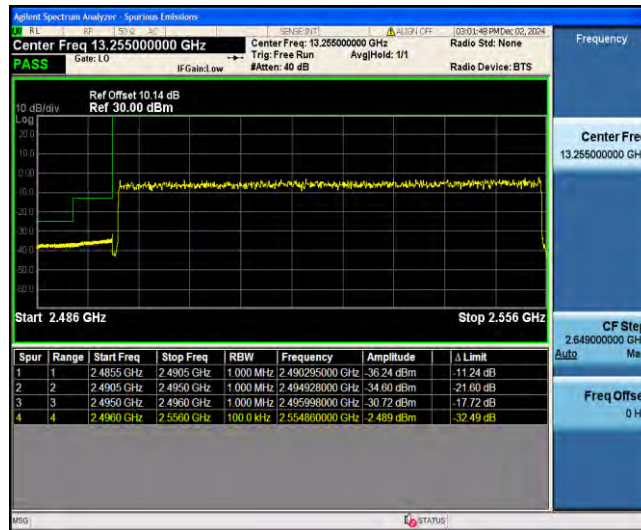
1-N41-PC2-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant3-2740.27-16.71--41.71-PASS



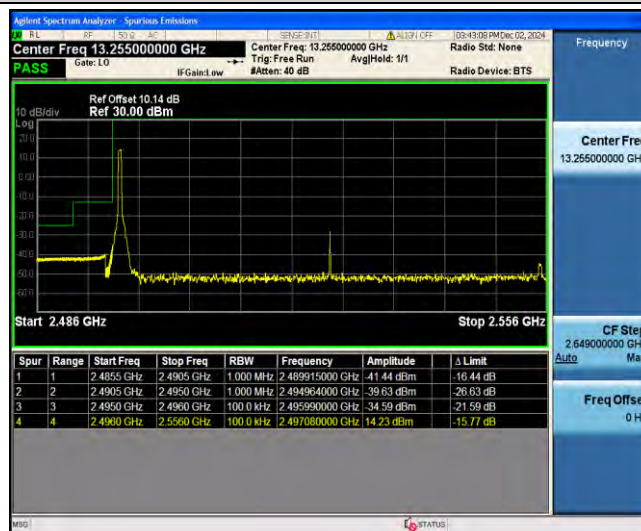
1-N41-PC2-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant3-2740.17-16.10--41.10-PASS



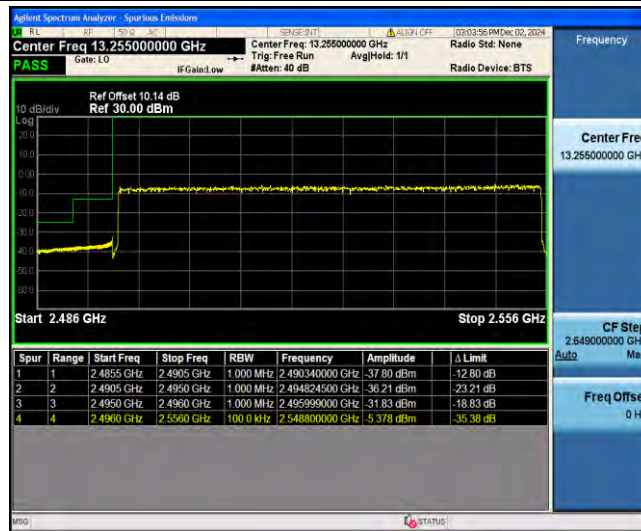
1-N41-PC2-30-60-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-2487.52-16.39--41.39-PASS



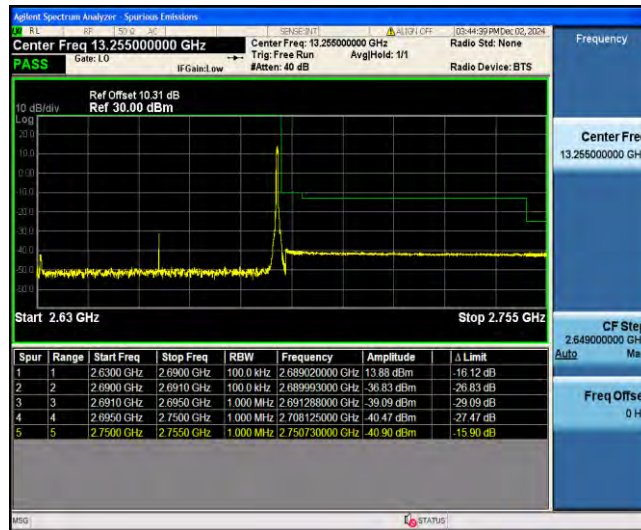
1-N41-PC2-30-60-L-3-DFT-QPSK-Outer_Full-162@0-Ant3-2490.30-11.24--36.24-PASS



1-N41-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2489.92-16.44--41.44-PASS



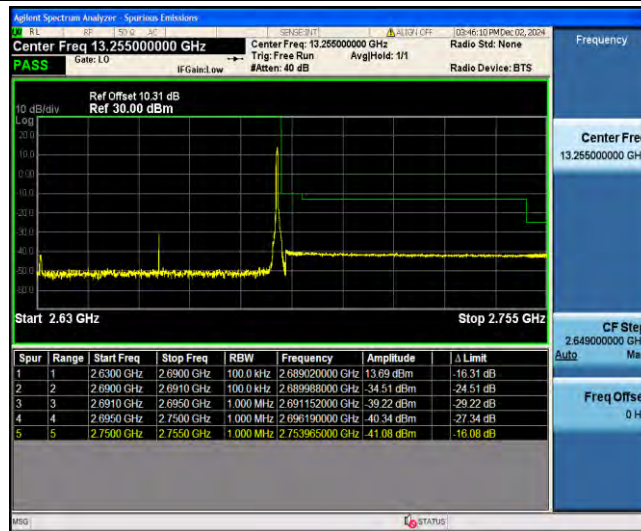
1-N41-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant3-2490.34-12.80--37.80-PASS



1-N41-PC2-30-60-H-2-DFT-QPSK-Edge_1RB_Right-1@161-Ant3-2750.73-15.90--40.90-PASS



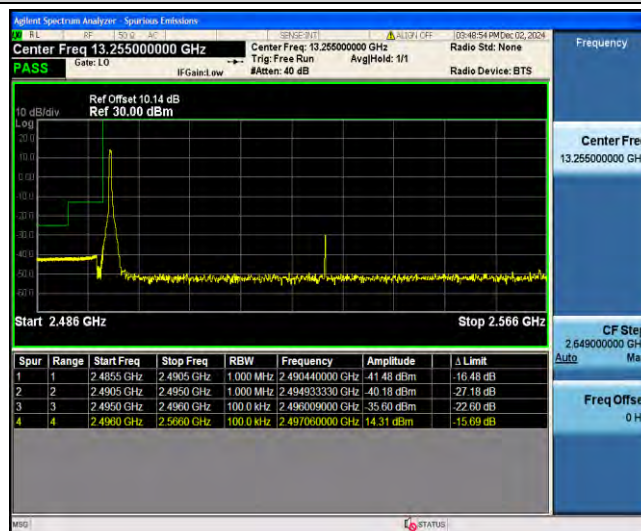
1-N41-PC2-30-60-H-3-DFT-QPSK-Outer_Full-162@0-Ant3-2754.97-15.96--40.96-PASS



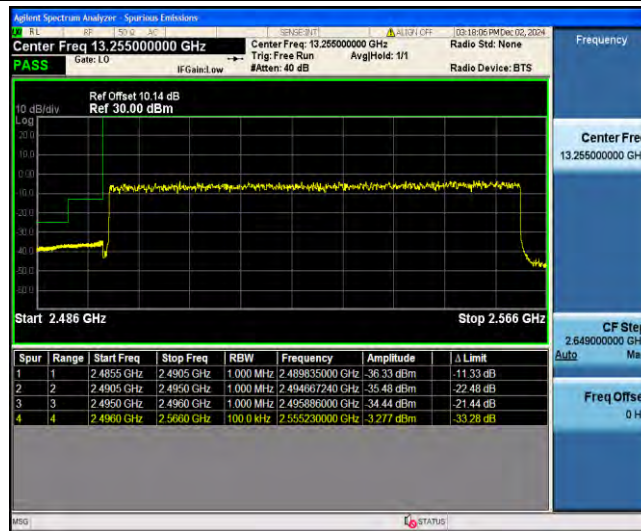
1-N41-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant3-2753.97-16.08--41.08-PASS



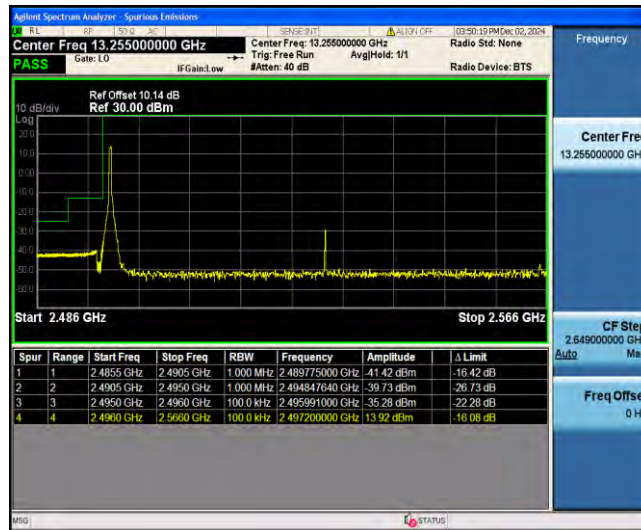
1-N41-PC2-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant3-2750.52-16.21--41.21-PASS



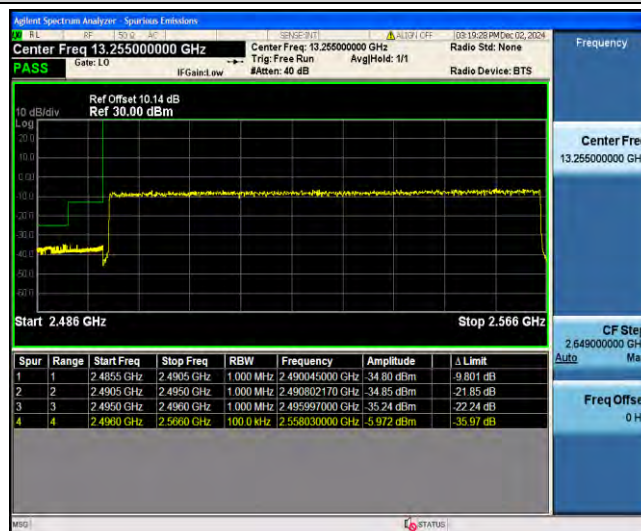
1-N41-PC2-30-70-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-2490.44-16.48--41.48-PASS



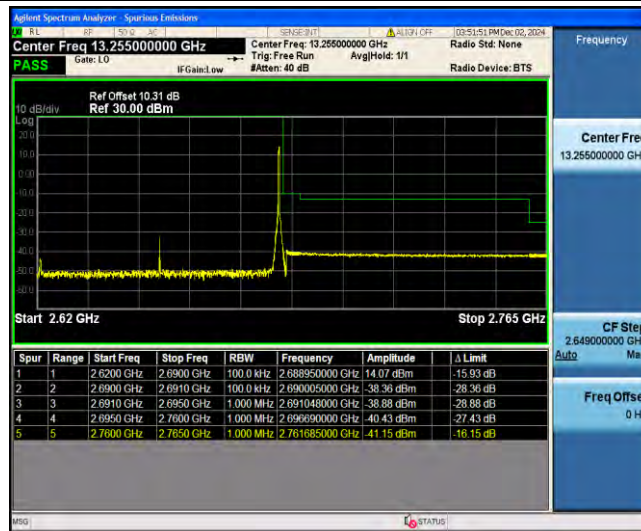
1-N41-PC2-30-70-L-3-DFT-QPSK-Outer_Full-180@0-Ant3-2489.84-11.33--36.33-PASS



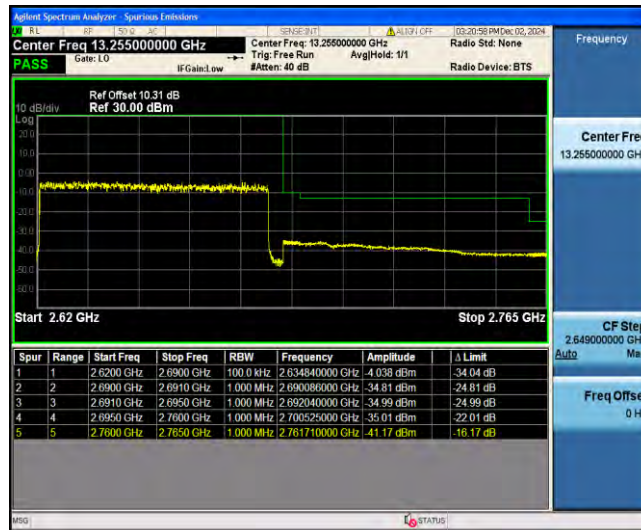
1-N41-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2489.78-16.42--41.42-PASS



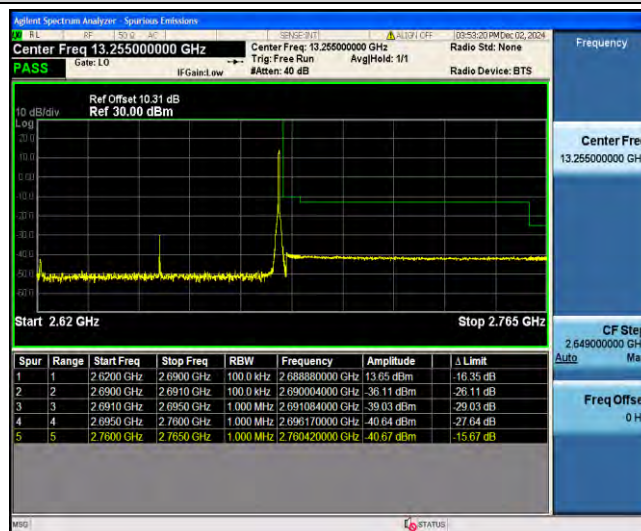
1-N41-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant3-2490.05-9.80--34.80-PASS



1-N41-PC2-30-70-H-2-DFT-QPSK-Edge_1RB_Right-1@188-Ant3-2761.69-16.15--41.15-PASS



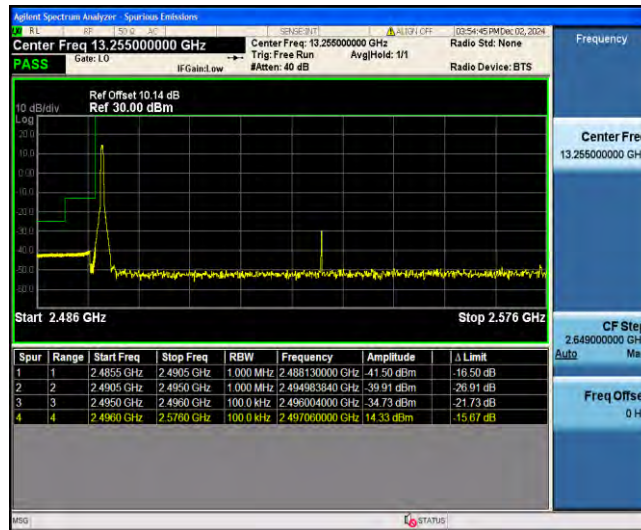
1-N41-PC2-30-70-H-3-DFT-QPSK-Outer_Full-180@0-Ant3-2761.71-16.17--41.17-PASS



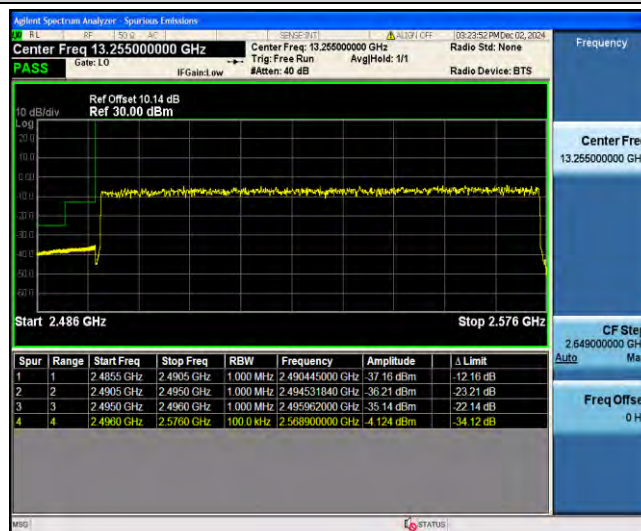
1-N41-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant3-2760.42-15.67--40.67-PASS



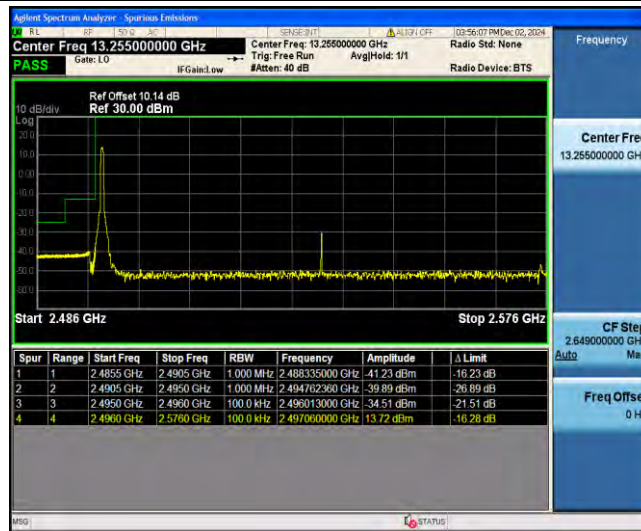
1-N41-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant3-2760.54-16.13--41.13-PASS



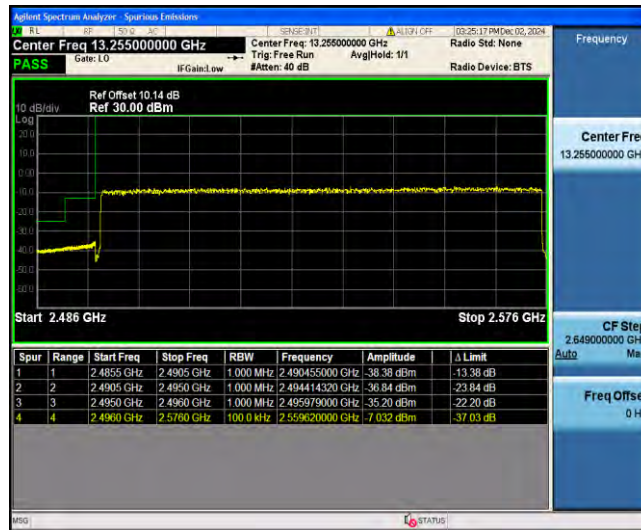
1-N41-PC2-30-80-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-2488.13-16.50--41.50-PASS



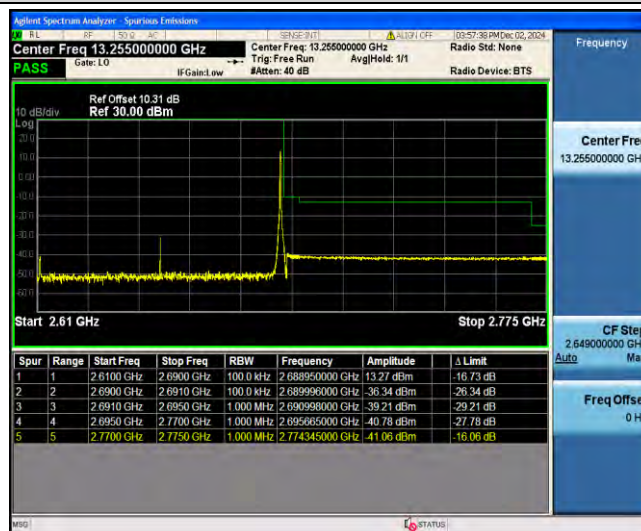
1-N41-PC2-30-80-L-3-DFT-QPSK-Outer_Full-216@0-Ant3-2490.45-12.16--37.16-PASS



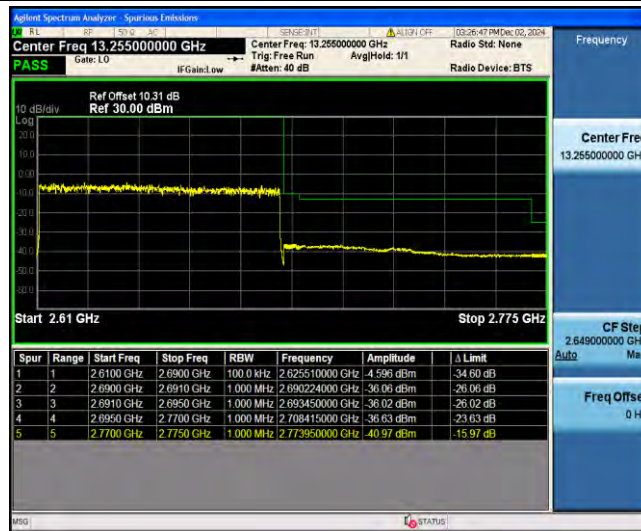
1-N41-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2488.34-16.23--41.23-PASS



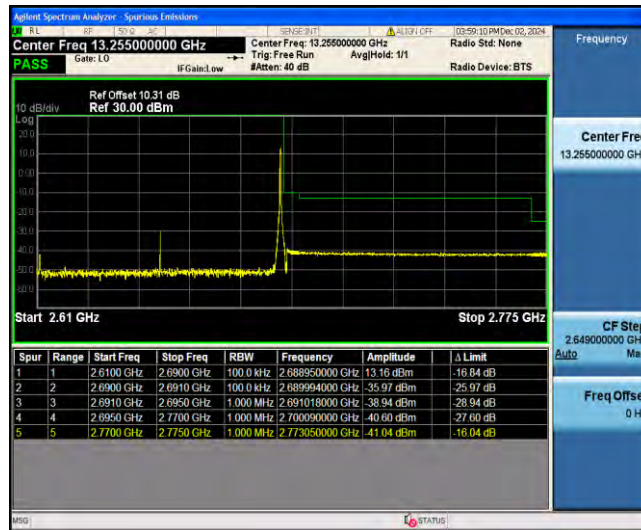
1-N41-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant3-2490.46-13.38--38.38-PASS



1-N41-PC2-30-80-H-2-DFT-QPSK-Edge_1RB_Right-1@216-Ant3-2774.35-16.06--41.06-PASS



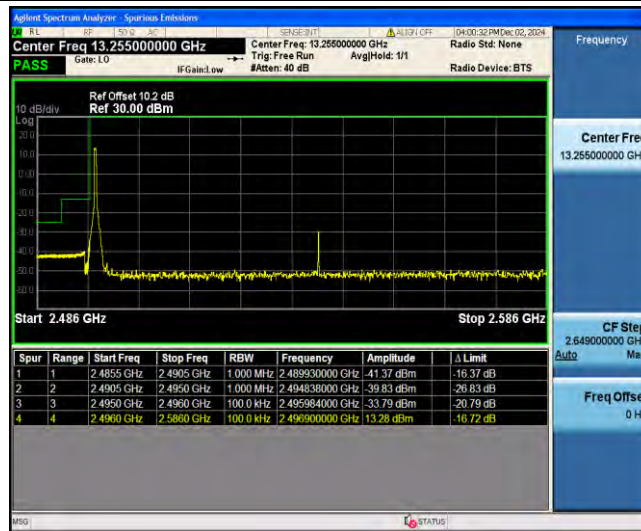
1-N41-PC2-30-80-H-3-DFT-QPSK-Outer_Full-216@0-Ant3-2773.95-15.97--40.97-PASS



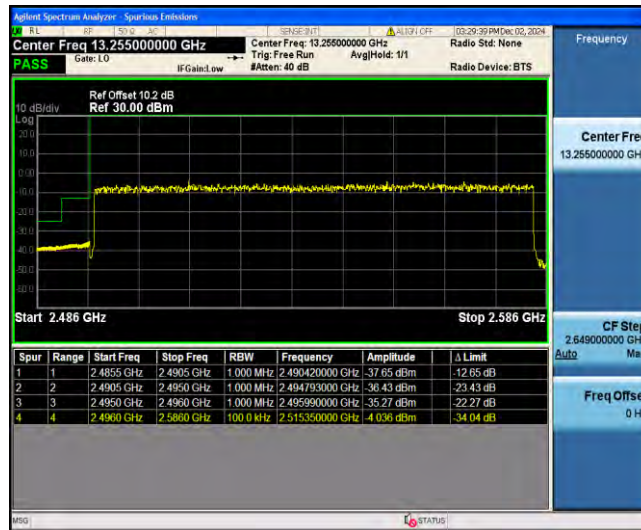
1-N41-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant3-2773.05-16.04--41.04-PASS



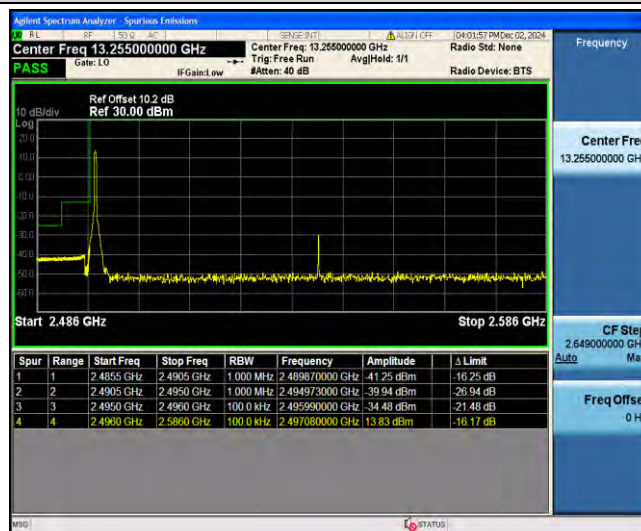
1-N41-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant3-2773.04-15.99--40.99-PASS



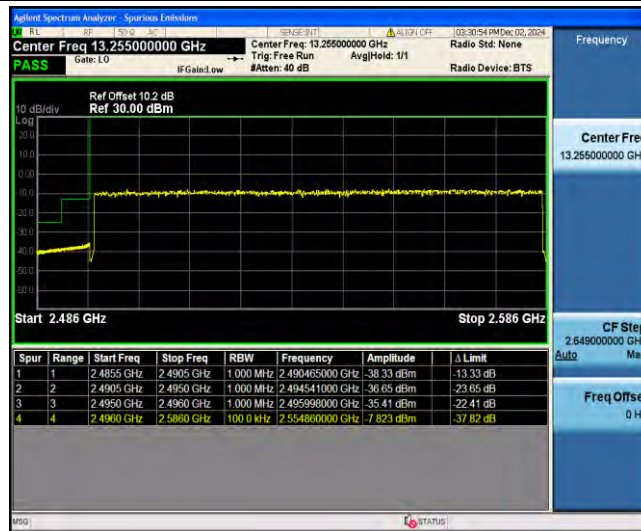
1-N41-PC2-30-90-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-2489.93-16.37--41.37-PASS



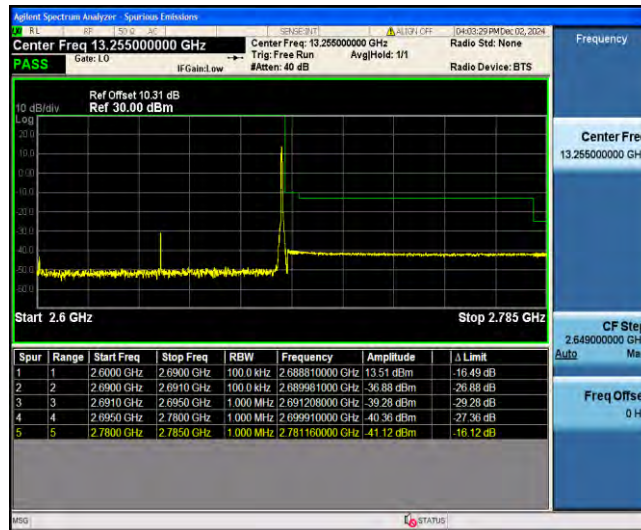
1-N41-PC2-30-90-L-3-DFT-QPSK-Outer_Full-240@0-Ant3-2490.42-12.65--37.65-PASS



1-N41-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2489.87-16.25--41.25-PASS



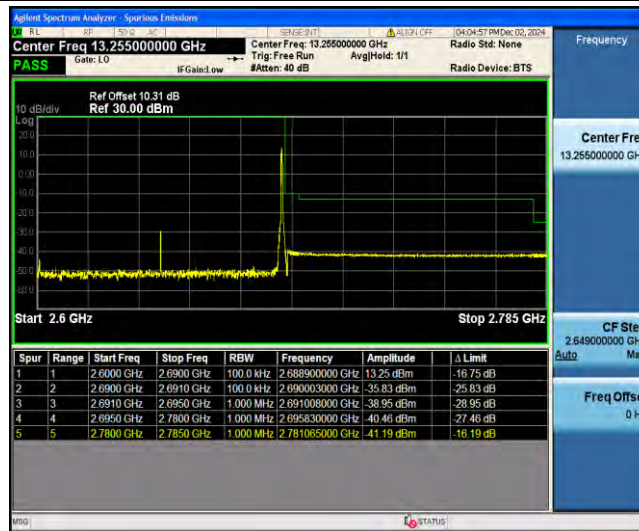
1-N41-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant3-2490.47-13.33--38.33-PASS



1-N41-PC2-30-90-H-2-DFT-QPSK-Edge_1RB_Right-1@244-Ant3-2781.16-16.12--41.12-PASS



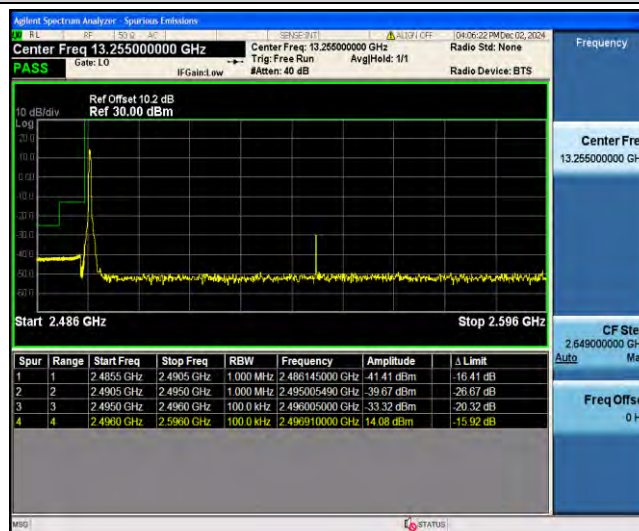
1-N41-PC2-30-90-H-3-DFT-QPSK-Outer_Full-240@0-Ant3-2784.28-16.05--41.05-PASS



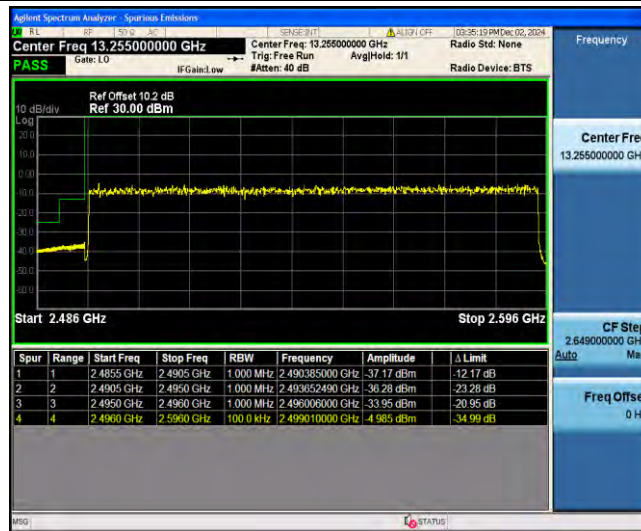
1-N41-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant3-2781.07-16.19--41.19-PASS



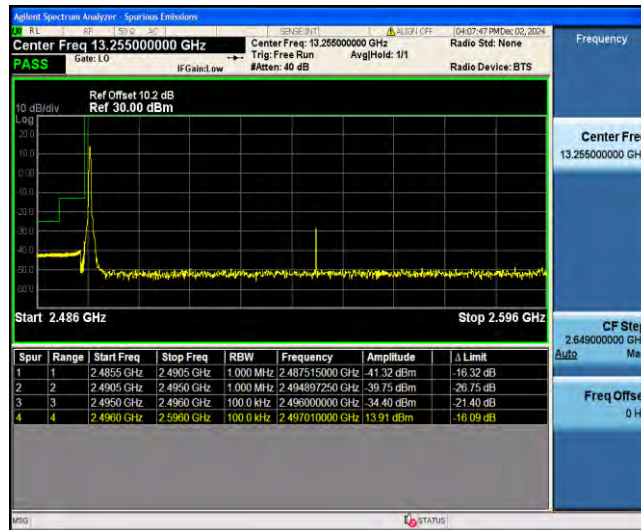
1-N41-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant3-2780.09-16.12--41.12-PASS



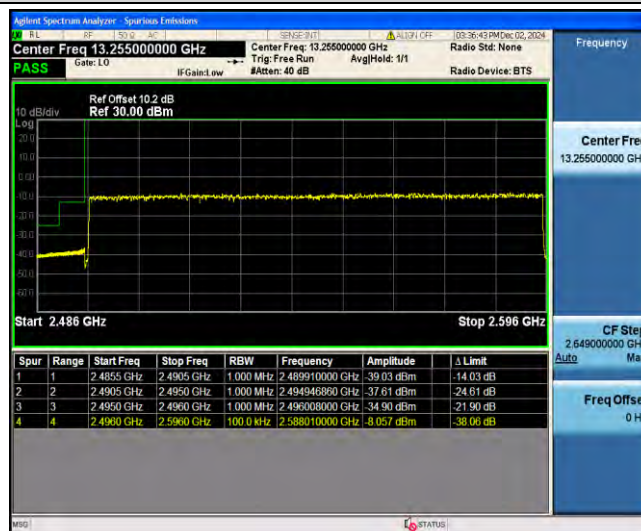
1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant3-2486.15-16.41--41.41-PASS



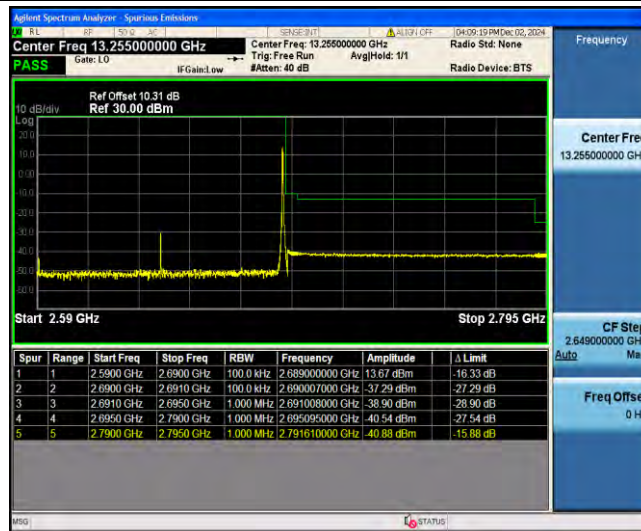
1-N41-PC2-30-100-L-3-DFT-QPSK-Outer_Full-270@0-Ant3-2490.39-12.17--37.17-PASS



1-N41-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-2487.52-16.32--41.32-PASS



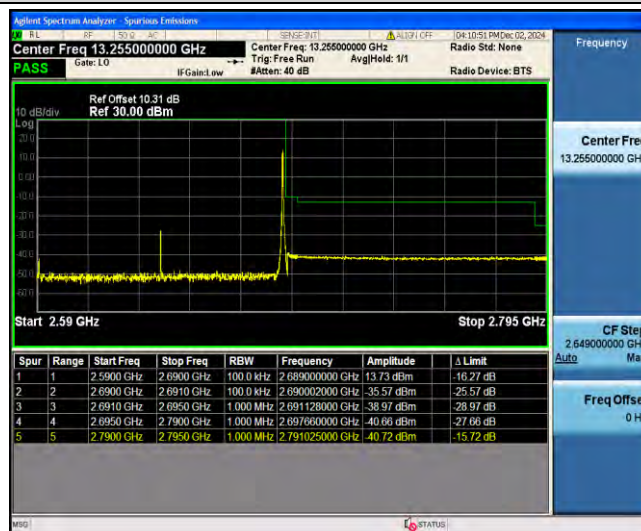
1-N41-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant3-2489.91-14.03--39.03-PASS



1-N41-PC2-30-100-H-2-DFT-QPSK-Edge_1RB_Right-1@272-Ant3-2791.61-15.88--40.88-PASS



1-N41-PC2-30-100-H-3-DFT-QPSK-Outer_Full-270@0-Ant3-2791.40-16.13--41.13-PASS



1-N41-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant3-2791.03-15.72--40.72-PASS



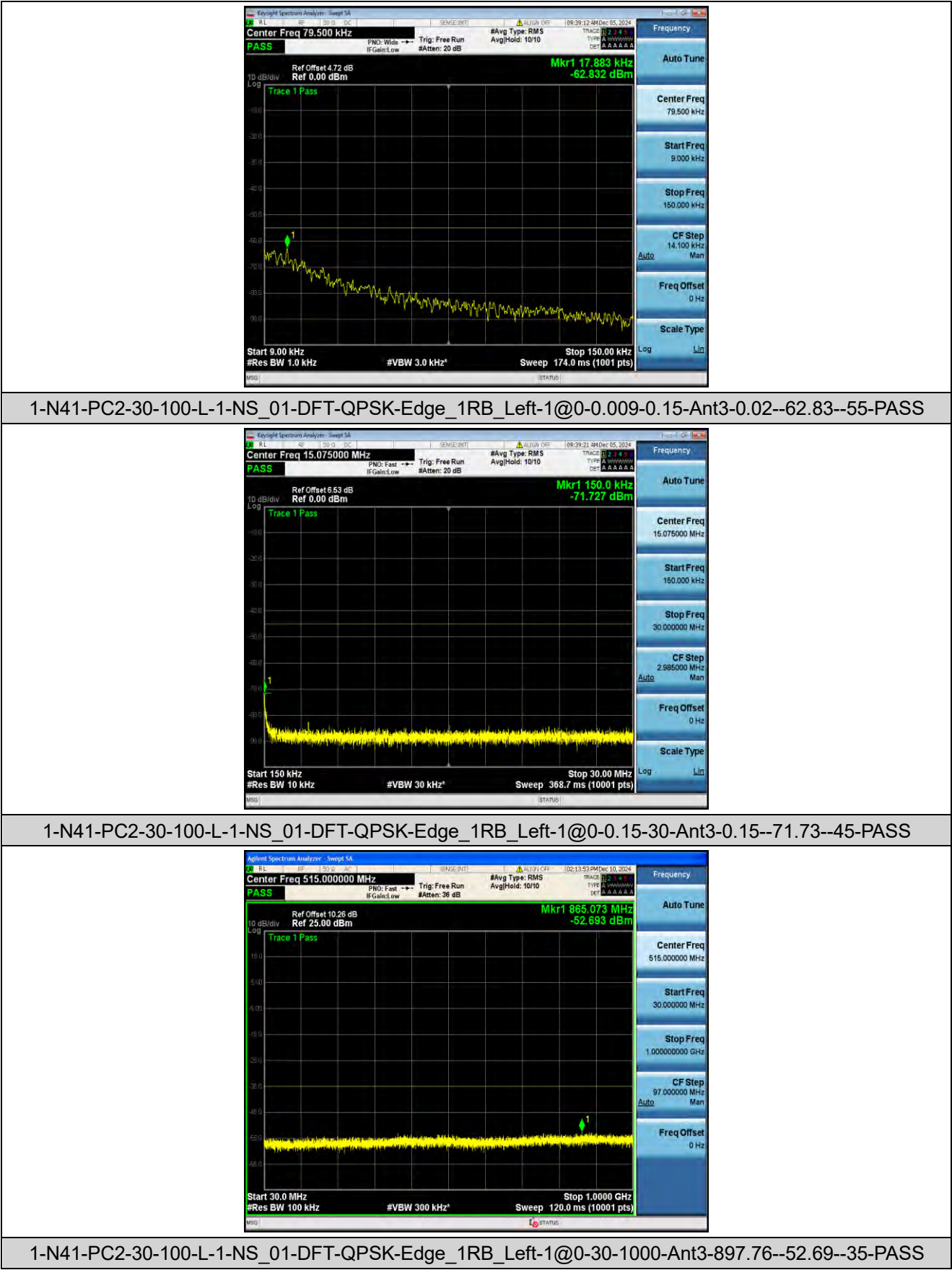
1-N41-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant3-2790.33-15.94--40.94-PASS

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-QPSK	L	0.009	0.15	1@0	-62.83	-55	PASS
N41	30	100	DFT-QPSK	L	0.15	30	1@0	-71.73	-45	PASS
N41	30	100	DFT-QPSK	L	30	1000	1@0	-52.69	-35	PASS
N41	30	100	DFT-QPSK	L	1000	3000	1@0	-41.85	-25	PASS
N41	30	100	DFT-QPSK	L	3000	18000	1@0	-38.79	-25	PASS
N41	30	100	DFT-QPSK	L	18000	30000	1@0	-39.61	-25	PASS
N41	30	100	DFT-QPSK	M	0.009	0.15	1@0	-63.37	-55	PASS
N41	30	100	DFT-QPSK	M	0.15	30	1@0	-71.64	-45	PASS
N41	30	100	DFT-QPSK	M	30	1000	1@0	-52.35	-35	PASS
N41	30	100	DFT-QPSK	M	1000	3000	1@0	-41.78	-25	PASS
N41	30	100	DFT-QPSK	M	3000	18000	1@0	-38.85	-25	PASS
N41	30	100	DFT-QPSK	M	18000	30000	1@0	-39.66	-25	PASS
N41	30	100	DFT-QPSK	H	0.009	0.15	1@0	-62.25	-55	PASS
N41	30	100	DFT-QPSK	H	0.15	30	1@0	-70.12	-45	PASS
N41	30	100	DFT-QPSK	H	30	1000	1@0	-52.09	-35	PASS
N41	30	100	DFT-QPSK	H	1000	3000	1@0	-41.93	-25	PASS
N41	30	100	DFT-QPSK	H	3000	18000	1@0	-38.87	-25	PASS
N41	30	100	DFT-QPSK	H	18000	30000	1@0	-39.04	-25	PASS

Test Graphs





1-N41-PC2-30-100-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2999.40--41.85--25-PASS



1-N41-PC2-30-100-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-18000-Ant3-3893.00--38.79--25-PASS



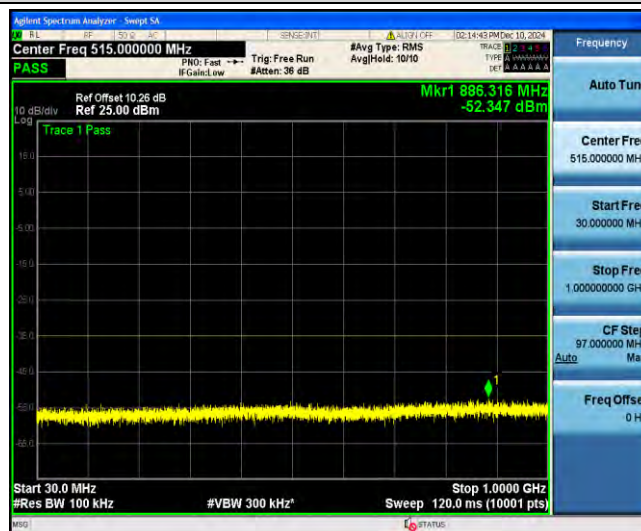
1-N41-PC2-30-100-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant3-25619.20--39.61--25-PASS



1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--63.37--55-PASS



1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0.15-30-Ant3-0.16--71.64--45-PASS



1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-893.49--52.35--35-PASS



1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2997.30--41.78--25-PAS
S



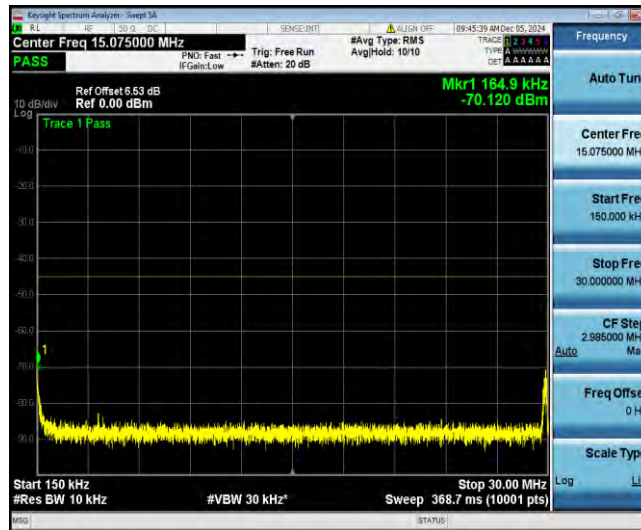
1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-18000-Ant3-3732.50--38.85--25-PA
SS



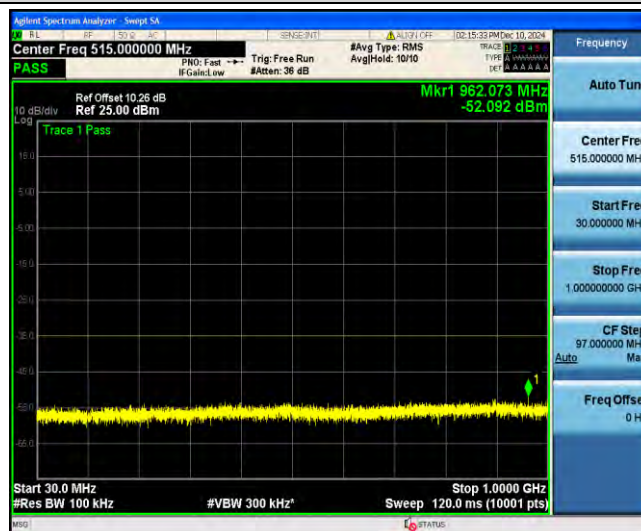
1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant3-26459.20--39.66--25-P
ASS



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant3-0.01--62.25--55-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0.15-30-Ant3-0.16--70.12--45-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-874.68--52.09--35-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2996.30--41.93--25-PAS
S



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-18000-Ant3-3806.50--38.87--25-PAS
S



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-30000-Ant3-25560.00--39.04--25-P
ASS

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
N41	30	100	DFT-QPSK	M	270@0	NV	NT	-9.59	-0.00370	PASS
N41	30	100	DFT-QPSK	M	270@0	LV	NT	-11.56	-0.00446	PASS
N41	30	100	DFT-QPSK	M	270@0	HV	NT	-7.81	-0.00301	PASS
N41	30	100	CP-QPSK	M	273@0	NV	NT	-6.86	-0.00265	PASS
N41	30	100	CP-QPSK	M	273@0	LV	NT	-9.63	-0.00371	PASS
N41	30	100	CP-QPSK	M	273@0	HV	NT	-8.27	-0.00319	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-QPSK	M	270@0	NV	-20	-9.766000	-0.003766	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	50	-10.679000	-0.004118	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	40	-8.447000	-0.003258	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	10	-7.804000	-0.003010	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	-10	-12.910000	-0.004979	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	-30	-9.811000	-0.003784	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	30	-10.797000	-0.004164	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	0	-6.407000	-0.002471	PASS
N41	30	100	DFT-QPSK	M	270@0	NV	20	-8.167000	-0.003150	PASS
N41	30	100	CP-QPSK	M	273@0	NV	0	-7.255000	-0.002798	PASS
N41	30	100	CP-QPSK	M	273@0	NV	10	-10.038000	-0.003871	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-10	-7.506000	-0.002895	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-20	-9.494000	-0.003661	PASS
N41	30	100	CP-QPSK	M	273@0	NV	50	-8.644000	-0.003334	PASS
N41	30	100	CP-QPSK	M	273@0	NV	30	-7.278000	-0.002807	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-30	-8.816000	-0.003400	PASS
N41	30	100	CP-QPSK	M	273@0	NV	40	-7.655000	-0.002952	PASS
N41	30	100	CP-QPSK	M	273@0	NV	20	-7.372000	-0.002843	PASS

Field Strength of Spurious Radiation

NR N41 ANT5-Low channel, Modulation: QPSK, Bandwidth:100MHz, 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
5002.02	-62.7	-25	-37.7	-68.27	4.57	10.14	Horizontal	Pass
7503.03	-60.7	-25	-35.7	-67.5	4.94	11.74	Horizontal	Pass
10004.04	-56.6	-25	-31.6	-64.17	5.46	13.03	Horizontal	Pass
5002.02	-62.35	-25	-37.35	-67.92	4.57	10.14	Vertical	Pass
7503.03	-60.42	-25	-35.42	-67.22	4.94	11.74	Vertical	Pass
10004.04	-56.93	-25	-31.93	-64.5	5.46	13.03	Vertical	Pass

NR N41 ANT5-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 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
5095.98	-63.68	-25	-38.68	-69.28	4.6	10.2	Horizontal	Pass
7643.97	-59.95	-25	-34.95	-66.91	4.95	11.91	Horizontal	Pass
10191.96	-57.12	-25	-32.12	-64.69	5.49	13.06	Horizontal	Pass
5095.98	-63.31	-25	-38.31	-68.91	4.6	10.2	Vertical	Pass
7643.97	-60.78	-25	-35.78	-67.74	4.95	11.91	Vertical	Pass
10191.96	-57.27	-25	-32.27	-64.84	5.49	13.06	Vertical	Pass

NR N41 ANT5-High channel, Modulation: QPSK, Bandwidth:100MHz, 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
5190.0	-64.17	-25	-39.17	-69.8	4.63	10.26	Horizontal	Pass
7785.0	-59.29	-25	-34.29	-66.41	4.96	12.08	Horizontal	Pass
10380.0	-56.94	-25	-31.94	-64.52	5.52	13.1	Horizontal	Pass
5190.0	-63.79	-25	-38.79	-69.42	4.63	10.26	Vertical	Pass
7785.0	-59.69	-25	-34.69	-66.81	4.96	12.08	Vertical	Pass
10380.0	-57.35	-25	-32.35	-64.93	5.52	13.1	Vertical	Pass

NSA_66A_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	-62.65	-25	-37.65	-68.22	4.57	10.14	Horizontal	Pass
7503.03	-60.43	-25	-35.43	-67.23	4.94	11.74	Horizontal	Pass
10004.04	-56.98	-25	-31.98	-64.55	5.46	13.03	Horizontal	Pass
5002.02	-62.36	-25	-37.36	-67.93	4.57	10.14	Vertical	Pass
7503.03	-60.32	-25	-35.32	-67.12	4.94	11.74	Vertical	Pass
10004.04	-56.71	-25	-31.71	-64.28	5.46	13.03	Vertical	Pass

NSA_66A_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	-62.75	-25	-37.75	-68.35	4.6	10.2	Horizontal	Pass
7643.97	-59.94	-25	-34.94	-66.9	4.95	11.91	Horizontal	Pass
10191.96	-56.39	-25	-31.39	-63.96	5.49	13.06	Horizontal	Pass
5095.98	-62.98	-25	-37.98	-68.58	4.6	10.2	Vertical	Pass
7643.97	-59.91	-25	-34.91	-66.87	4.95	11.91	Vertical	Pass
10191.96	-56.49	-25	-31.49	-64.06	5.49	13.06	Vertical	Pass

NSA_66A_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	-63.7	-25	-38.7	-69.33	4.63	10.26	Horizontal	Pass
7785.0	-59.17	-25	-34.17	-66.29	4.96	12.08	Horizontal	Pass
10380.0	-56.08	-25	-31.08	-63.66	5.52	13.1	Horizontal	Pass
5190.0	-63.45	-25	-38.45	-69.08	4.63	10.26	Vertical	Pass
7785.0	-58.59	-25	-33.59	-65.71	4.96	12.08	Vertical	Pass
10380.0	-56.79	-25	-31.79	-64.37	5.52	13.1	Vertical	Pass