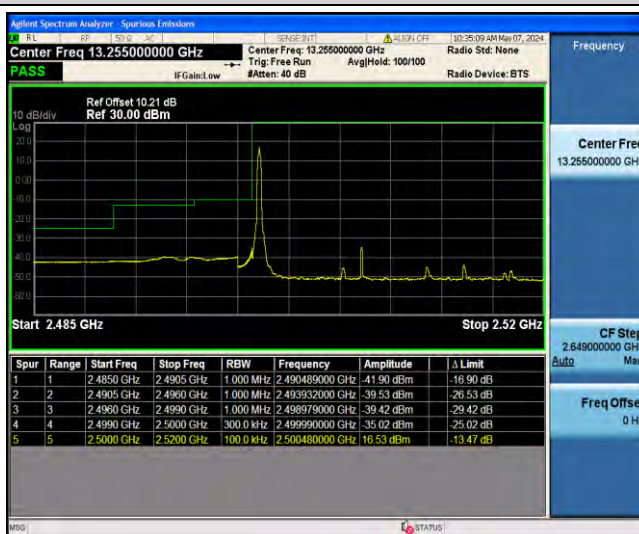


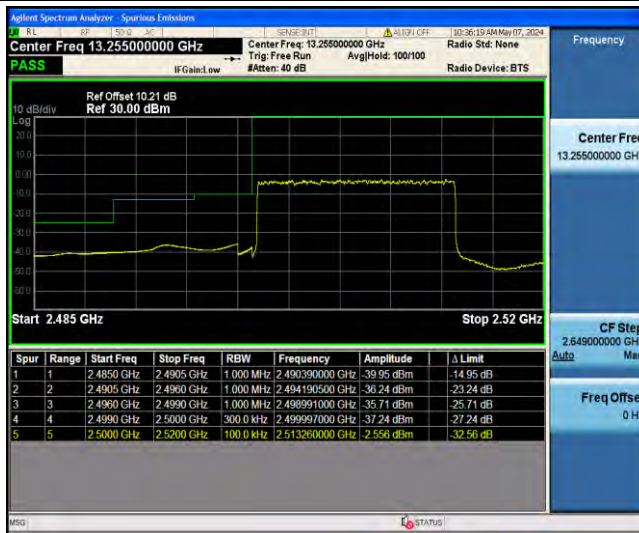
1-N7-PC3-15-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@51-Ant31-2580.01-16.52--41.52-PASS



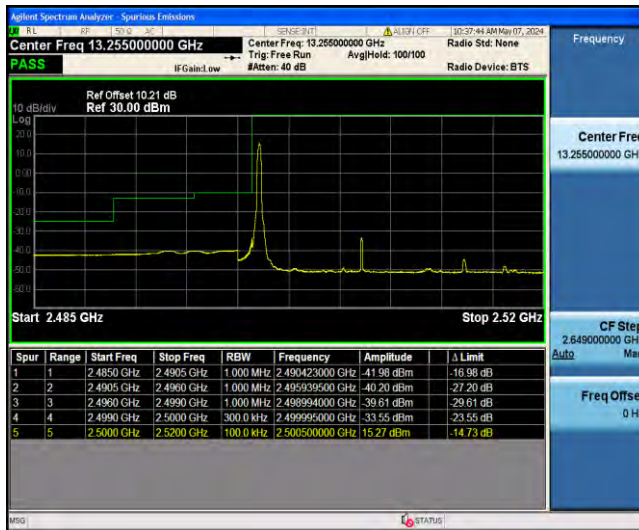
1-N7-PC3-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant31-2580.01-13.18--38.18-PASS



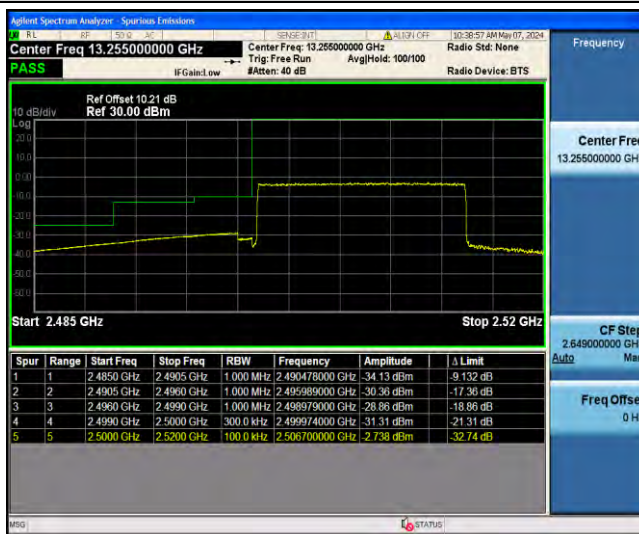
1-N7-PC3-15-15-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2490.49-16.90--41.90-PASS



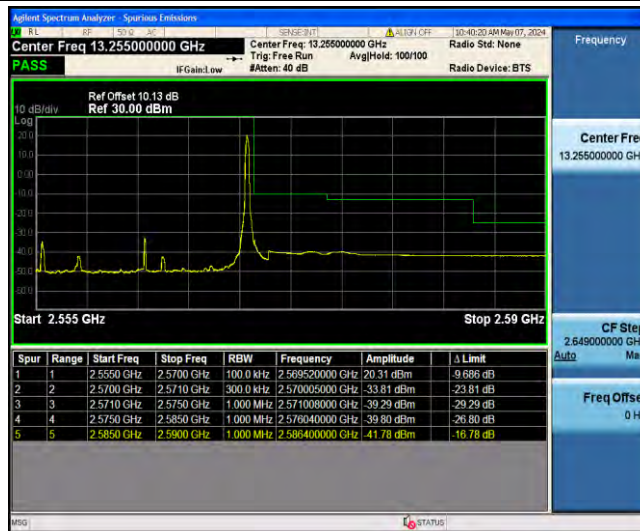
1-N7-PC3-15-15-L-3-DFT-PI2BPSK-Outter\_Full-75@0-Ant31-2490.39-14.95--39.95-PASS



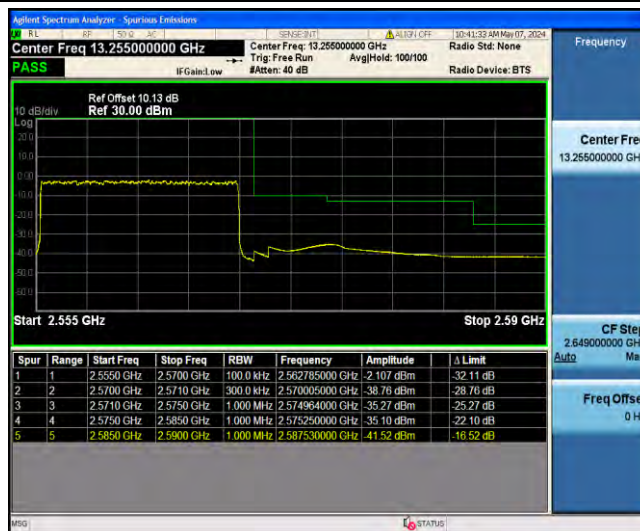
1-N7-PC3-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2490.42-16.98--41.98-PASS



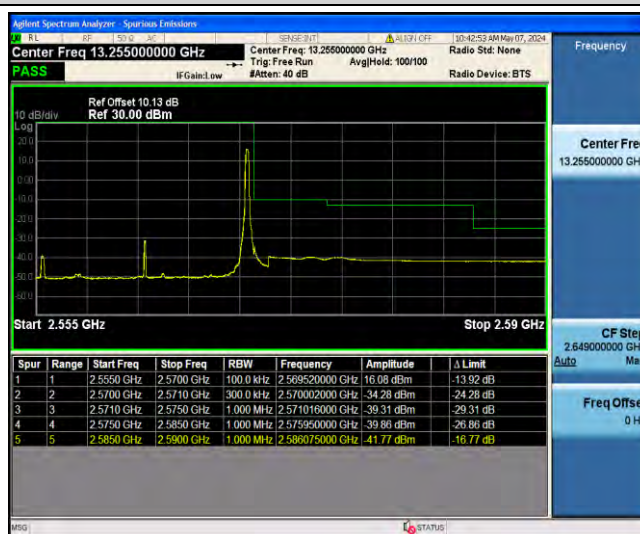
1-N7-PC3-15-15-L-6-CP-QPSK-Outter\_Full-79@0-Ant31-2490.48-9.13--34.13-PASS



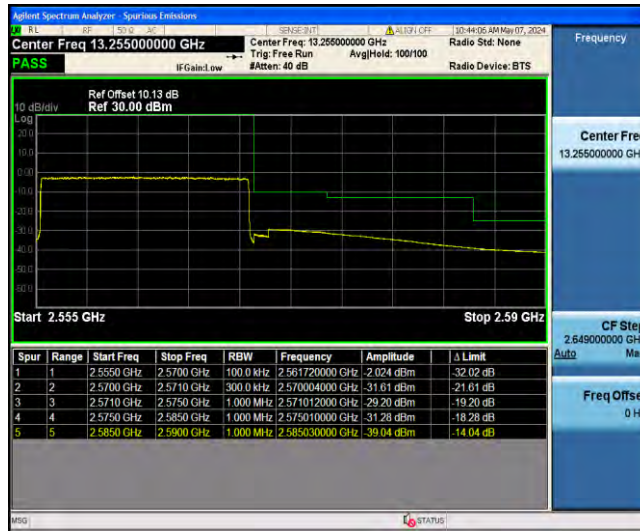
1-N7-PC3-15-15-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@78-Ant31-2586.40-16.78--41.78-PASS



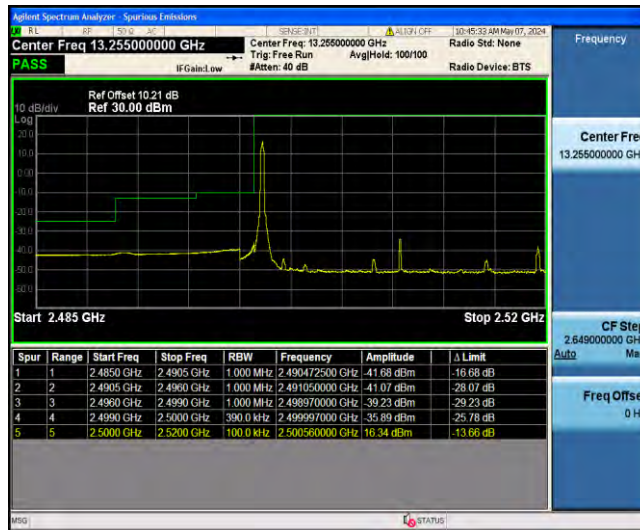
1-N7-PC3-15-15-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant31-2587.53-16.52--41.52-PASS



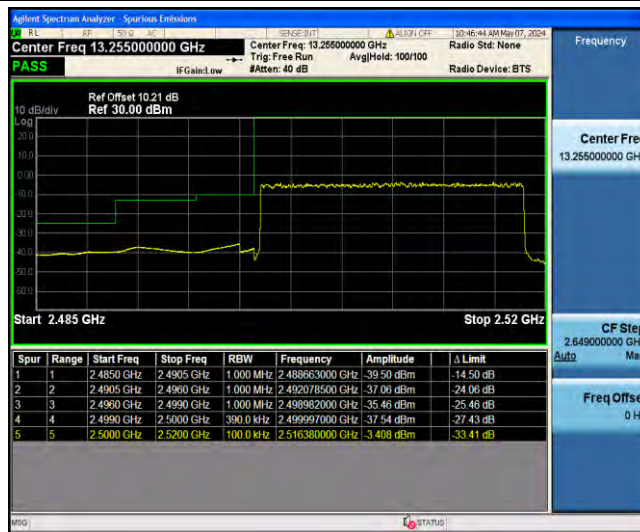
1-N7-PC3-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-Ant31-2586.08-16.77--41.77-PASS



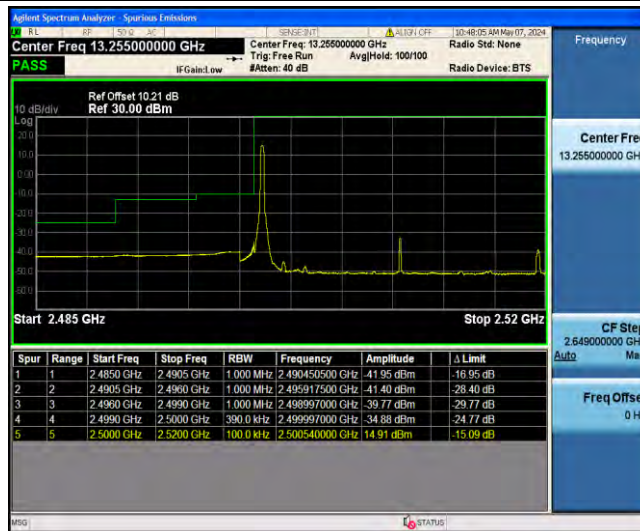
1-N7-PC3-15-15-H-6-CP-QPSK-Outter\_Full-79@0-Ant31-2585.03-14.04--39.04-PASS



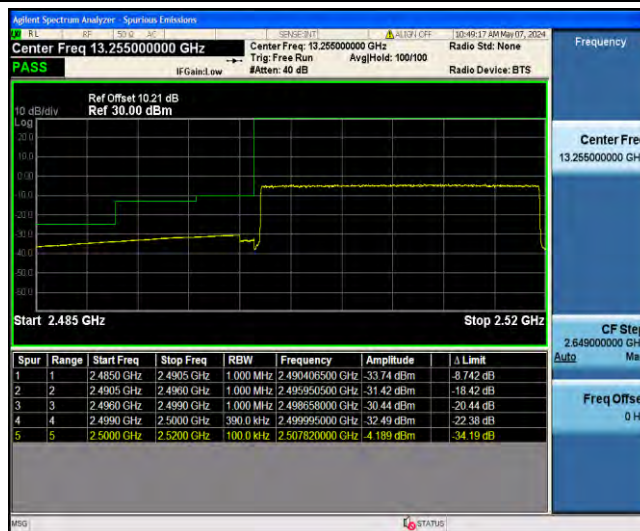
1-N7-PC3-15-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2490.47-16.68--41.68-PASS



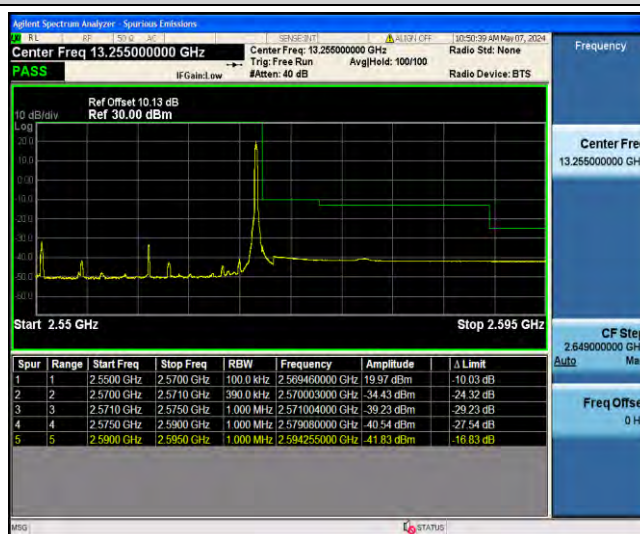
1-N7-PC3-15-20-L-3-DFT-PI2BPSK-Outter\_Full-100@0-Ant31-2488.66-14.50--39.50-PASS



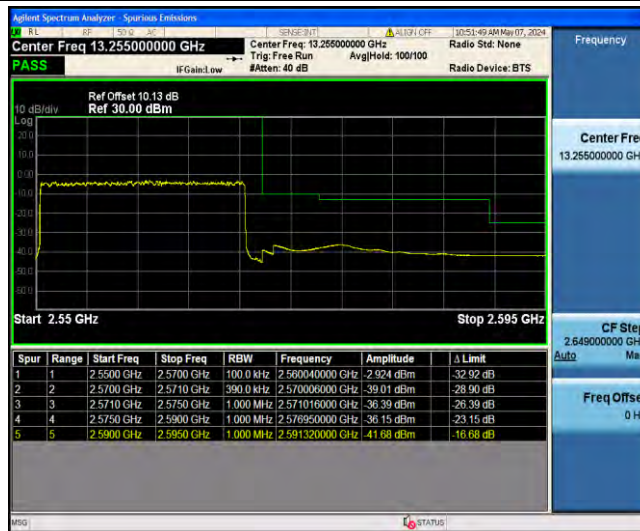
1-N7-PC3-15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2490.45-16.95--41.95-PASS



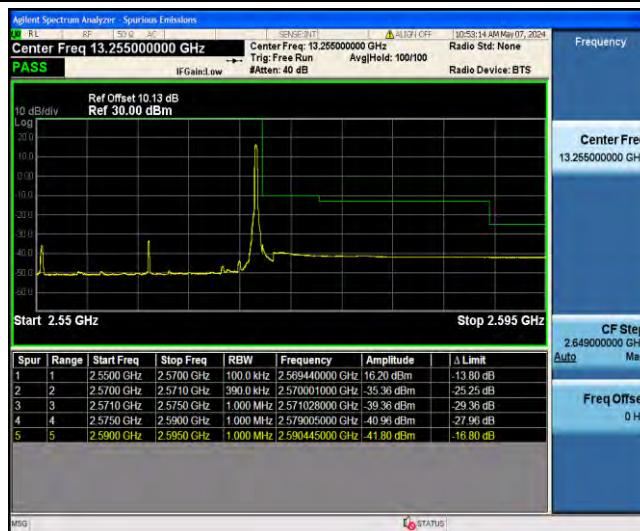
1-N7-PC3-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant31-2490.41-8.74--33.74-PASS



1-N7-PC3-15-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant31-2594.26-16.83--41.83-PASS



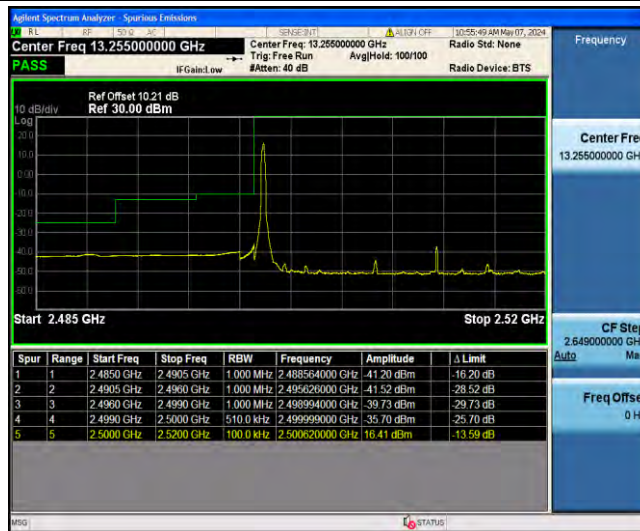
1-N7-PC3-15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant31-2591.32-16.68--41.68-PASS



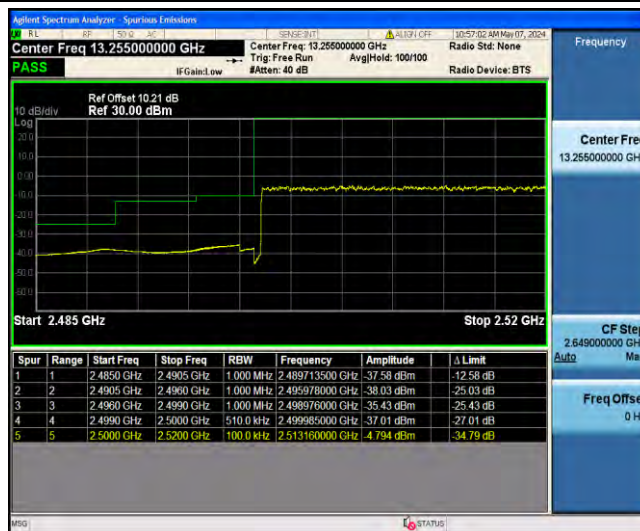
1-N7-PC3-15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant31-2590.45-16.80--41.80-PASS



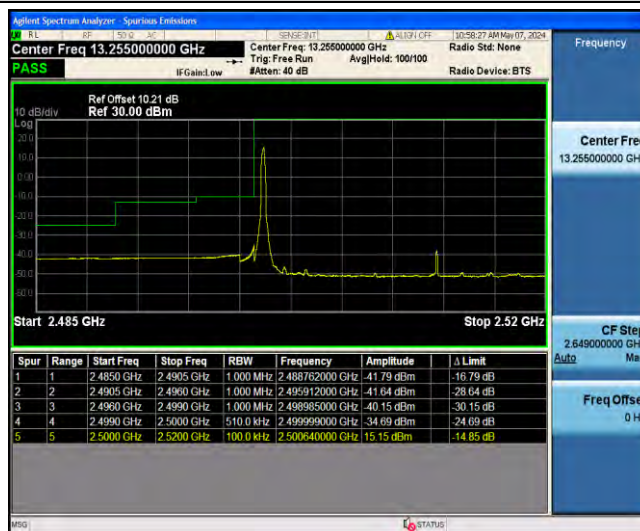
1-N7-PC3-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant31-2590.10-14.48--39.48-PASS



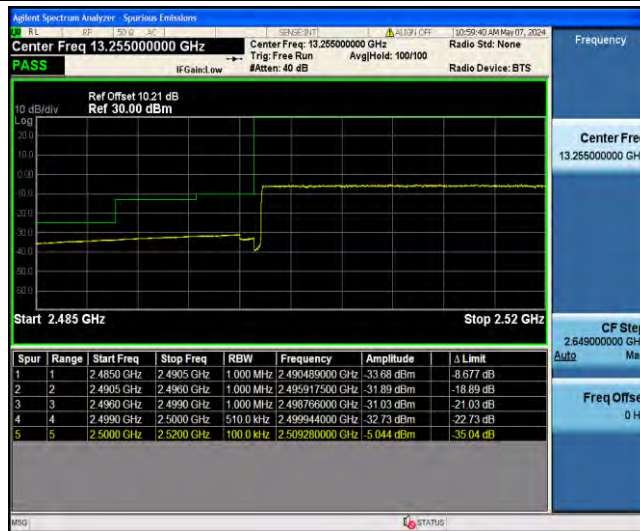
1-N7-PC3-15-25-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2488.56-16.20--41.20-PASS



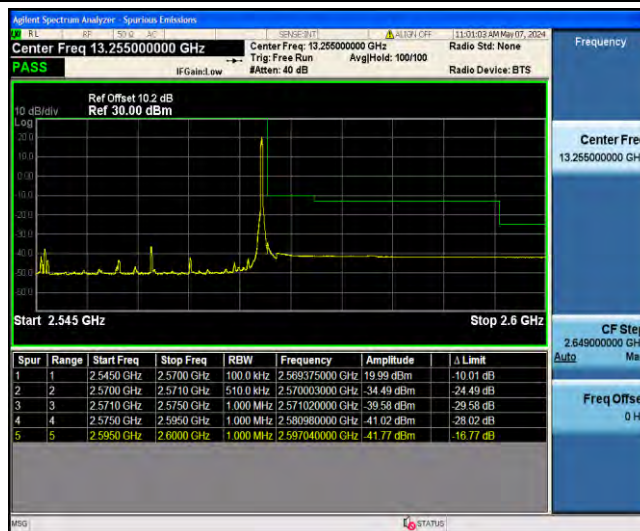
1-N7-PC3-15-25-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant31-2489.71-12.58--37.58-PASS



1-N7-PC3-15-25-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2488.76-16.79--41.79-PASS



1-N7-PC3-15-25-L-6-CP-QPSK-Outter\_Full-133@0-Ant31-2490.49-8.68--33.68-PASS

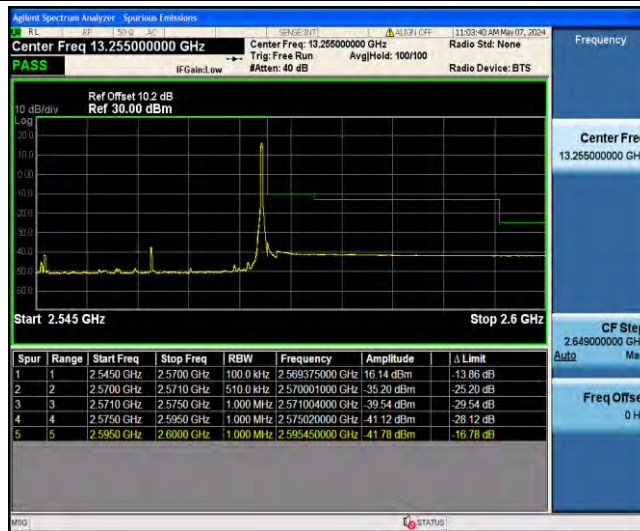


1-N7-PC3-15-25-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@132-Ant31-2597.04-16.77--41.77-PASS



1-N7-PC3-15-25-H-3-DFT-PI2BPSK-Outter\_Full-128@0-Ant31-2595.39-16.64--41.64-PASS

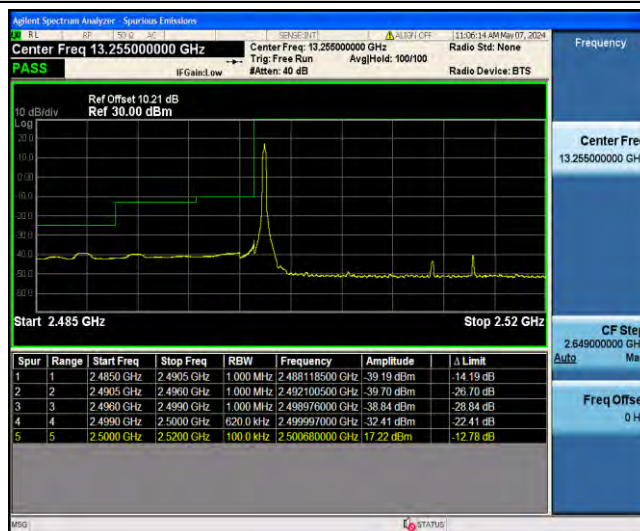




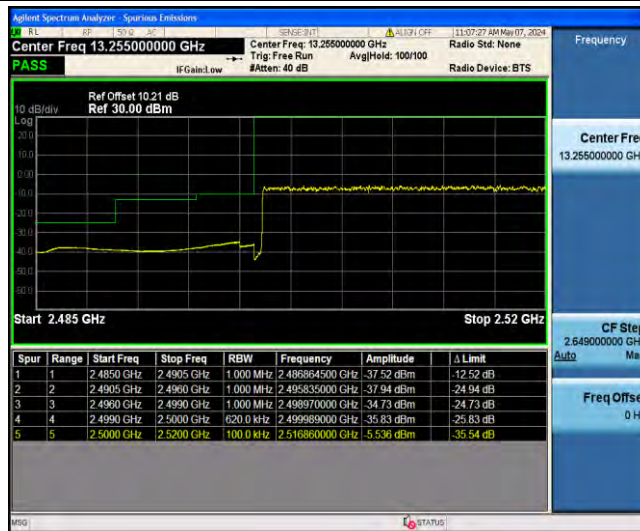
1-N7-PC3-15-25-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant31-2595.45-16.78--41.78-PASS



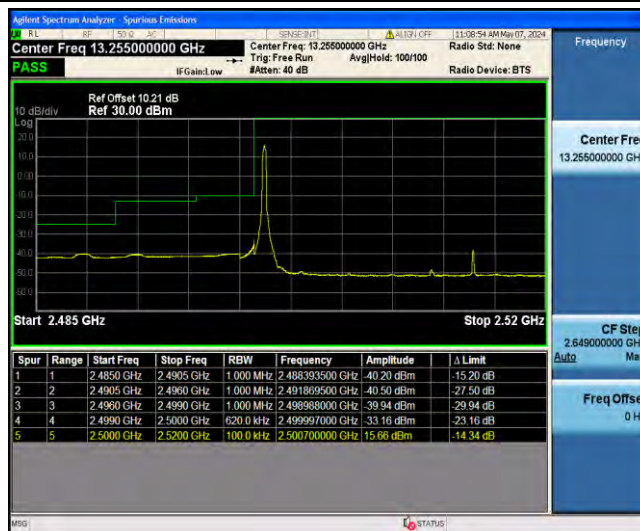
1-N7-PC3-15-25-H-6-CP-QPSK-Outer\_Full-133@0-Ant31-2595.07-15.84--40.84-PASS



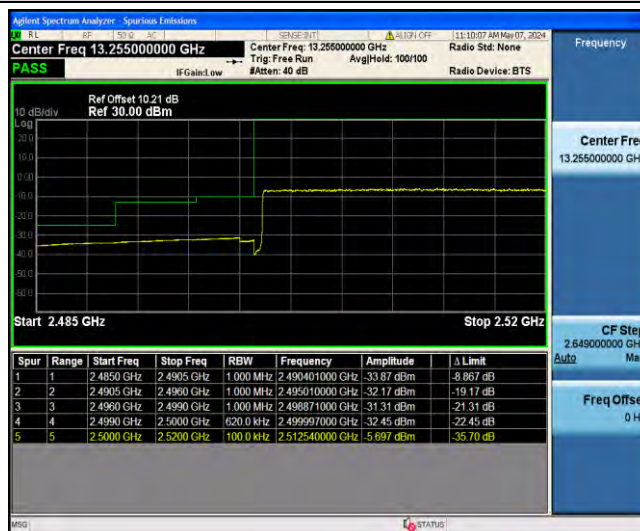
1-N7-PC3-15-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2488.12-14.19--39.19-PASS



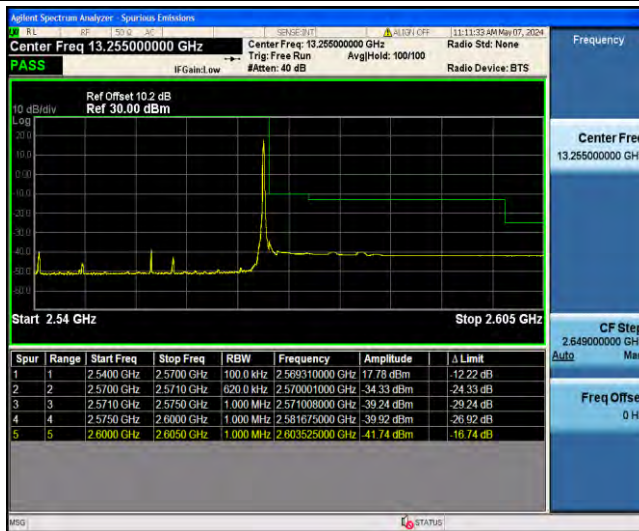
1-N7-PC3-15-30-L-3-DFT-PI2BPSK-Outter\_Full-160@0-Ant31-2486.86-12.52--37.52-PASS



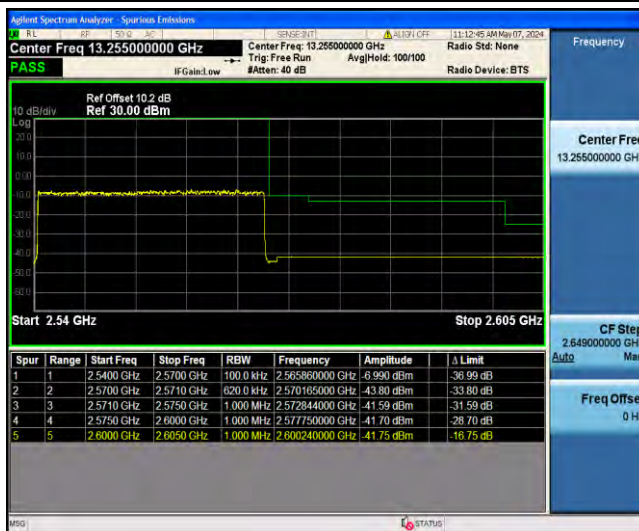
1-N7-PC3-15-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2488.39-15.20--40.20-PASS



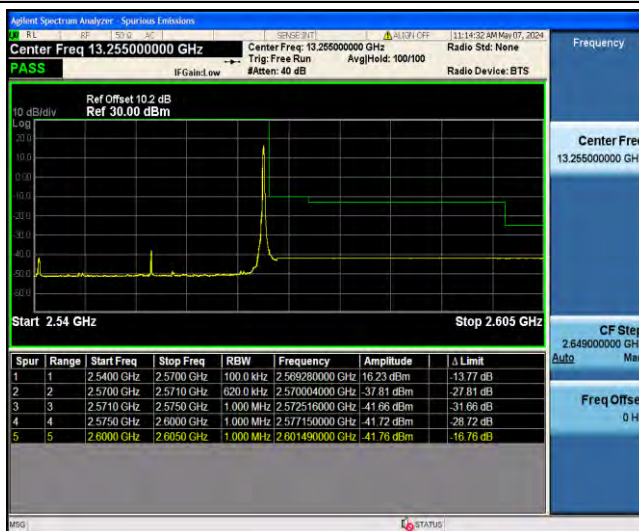
1-N7-PC3-15-30-L-6-CP-QPSK-Outter\_Full-160@0-Ant31-2490.40-8.87--33.87-PASS



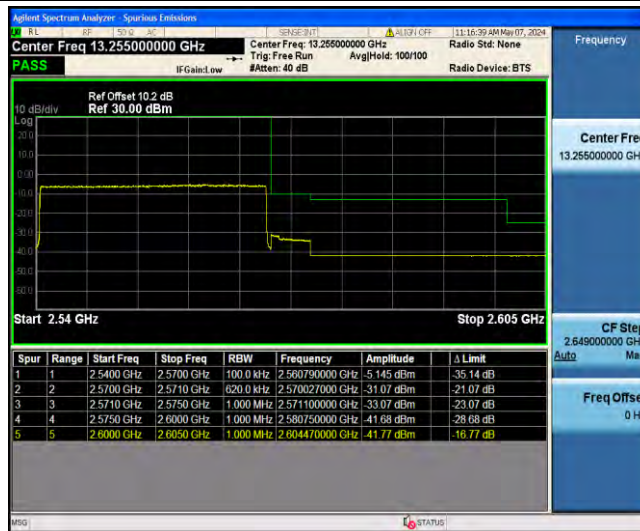
1-N7-PC3-15-30-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@159-Ant31-2603.53-16.74--41.74-PASS



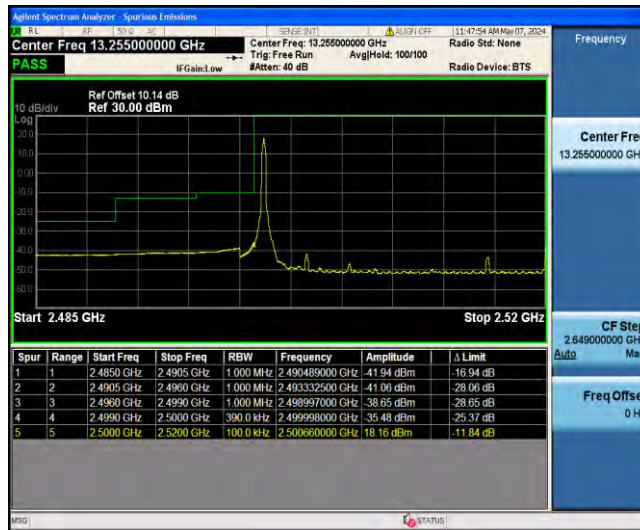
1-N7-PC3-15-30-H-3-DFT-PI2BPSK-Outer\_Full-160@0-Ant31-2600.24-16.75--41.75-PASS



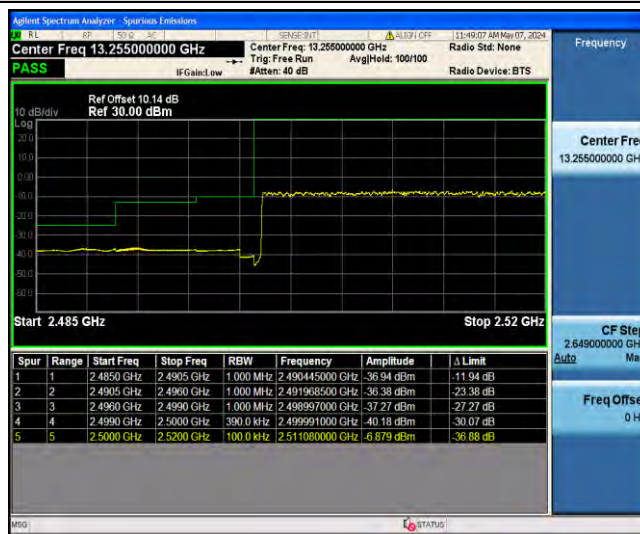
1-N7-PC3-15-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@159-Ant31-2601.49-16.76--41.76-PASS



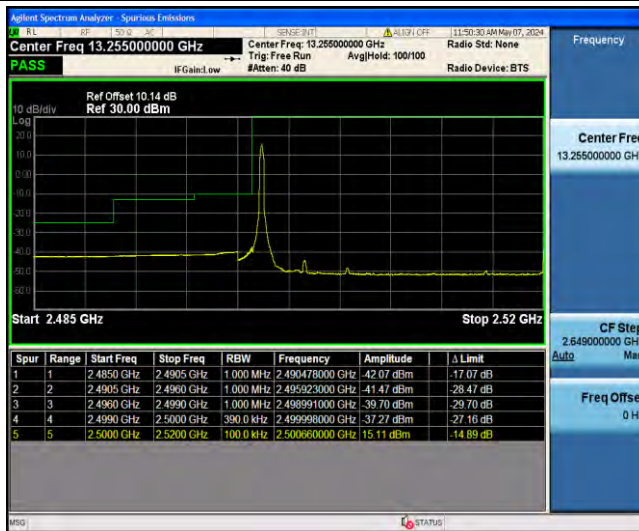
1-N7-PC3-15-30-H-6-CP-QPSK-Outer\_Full-160@0-Ant31-2604.47-16.77--41.77-PASS



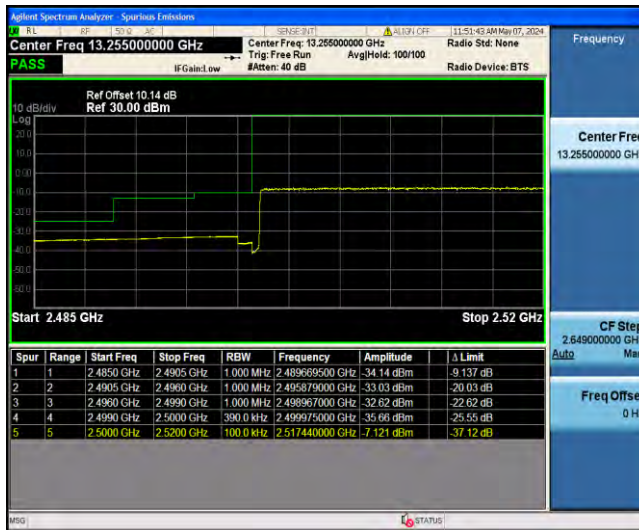
1-N7-PC3-15-40-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2500.66-11.84-18.16-PASS



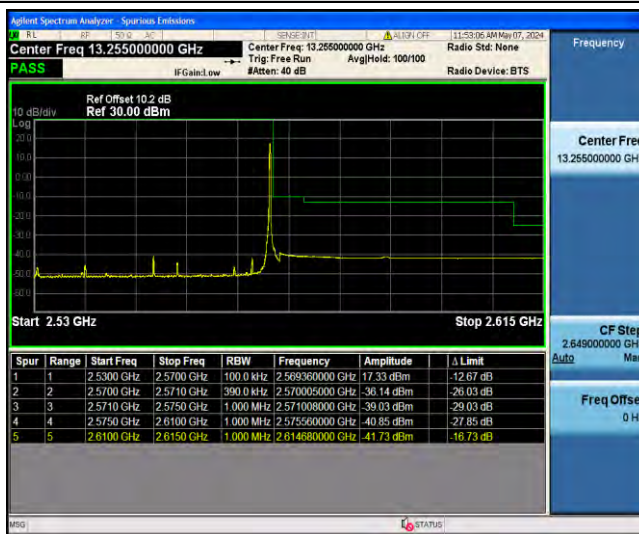
1-N7-PC3-15-40-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant31-2490.45-11.94--36.94-PASS



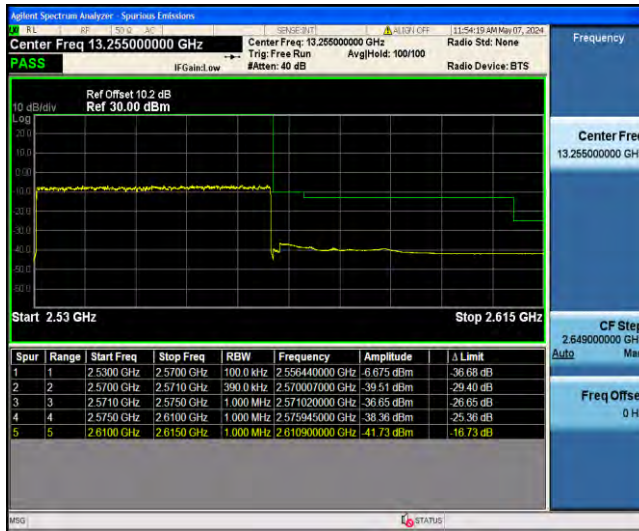
1-N7-PC3-15-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2500.66-14.89-15.11-PASS



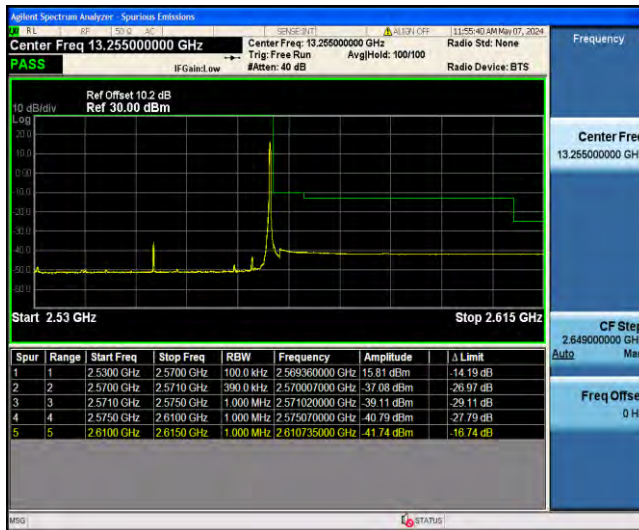
1-N7-PC3-15-40-L-6-CP-QPSK-Outer\_Full-216@0-Ant31-2489.67-9.14--34.14-PASS



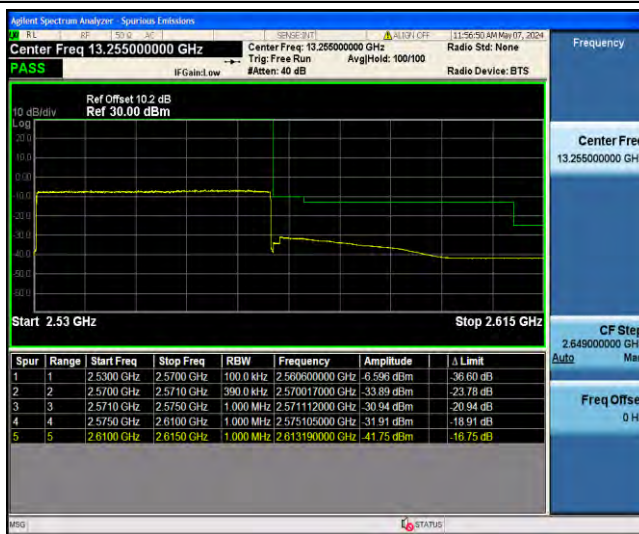
1-N7-PC3-15-40-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@215-Ant31-2614.68-16.73--41.73-PASS



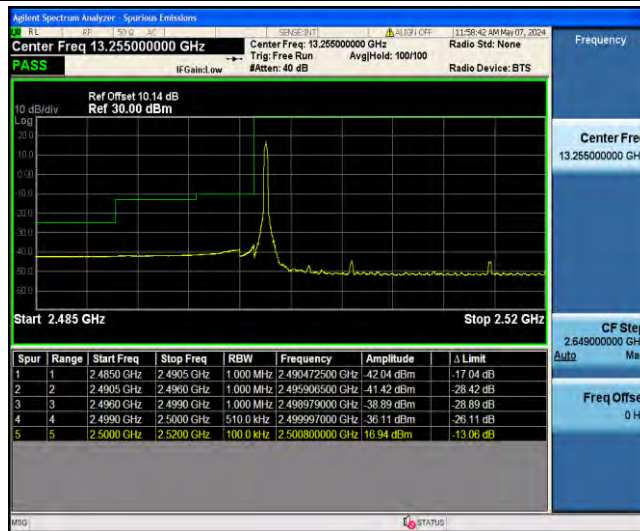
1-N7-PC3-15-40-H-3-DFT-PI2BPSK-Outter\_Full-216@0-Ant31-2610.90-16.73--41.73-PASS



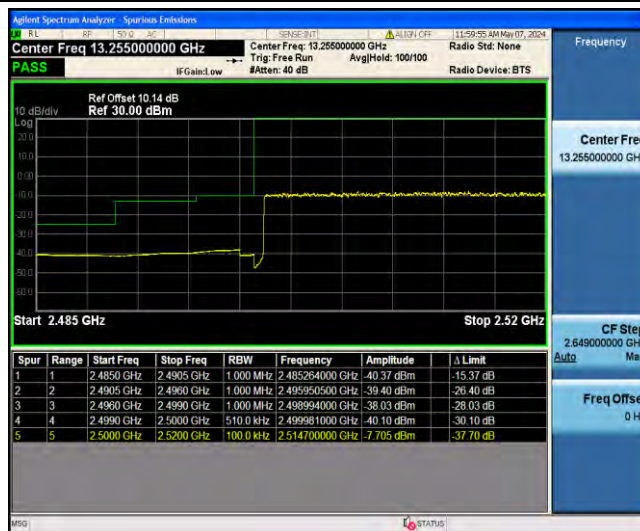
1-N7-PC3-15-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@215-Ant31-2610.74-16.74--41.74-PASS



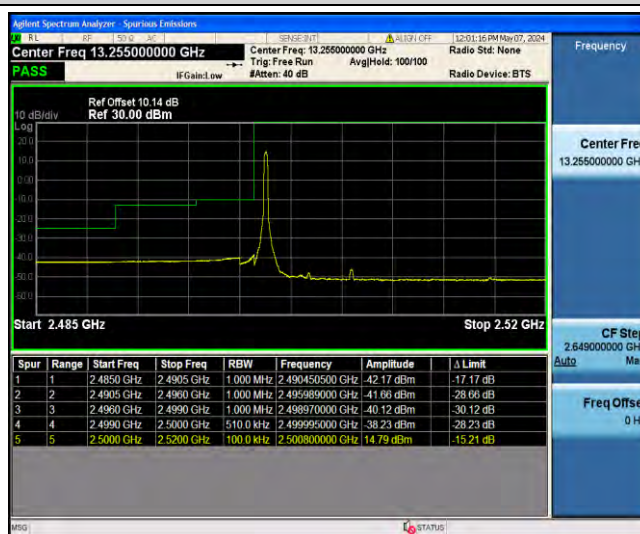
1-N7-PC3-15-40-H-6-CP-QPSK-Outter\_Full-216@0-Ant31-2613.19-16.75--41.75-PASS



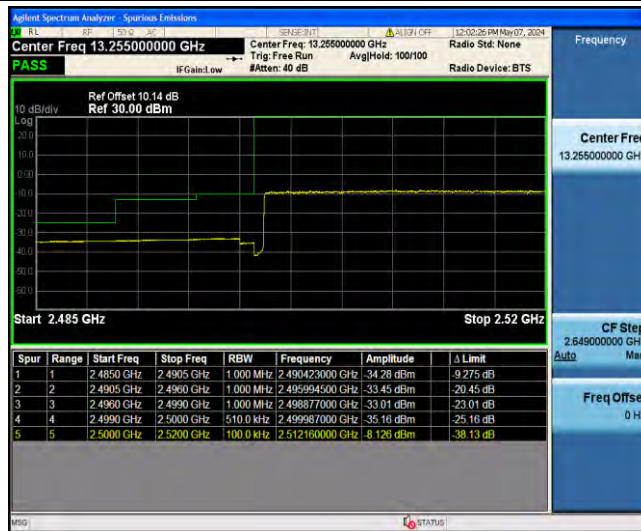
1-N7-PC3-15-50-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant31-2500.80-13.06-16.94-PASS



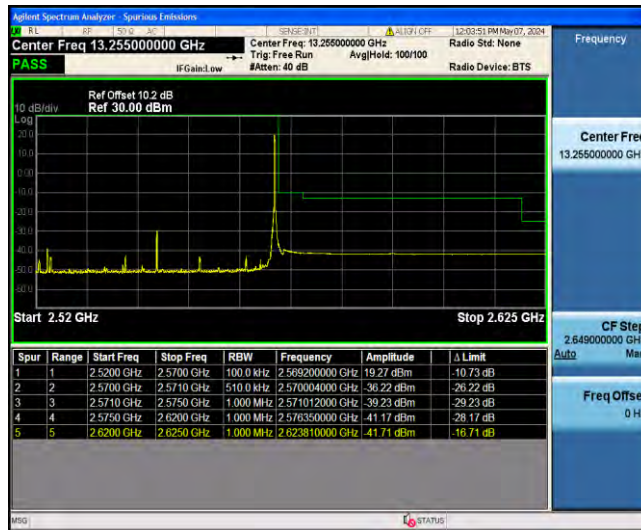
1-N7-PC3-15-50-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant31-2485.26-15.37--40.37-PASS



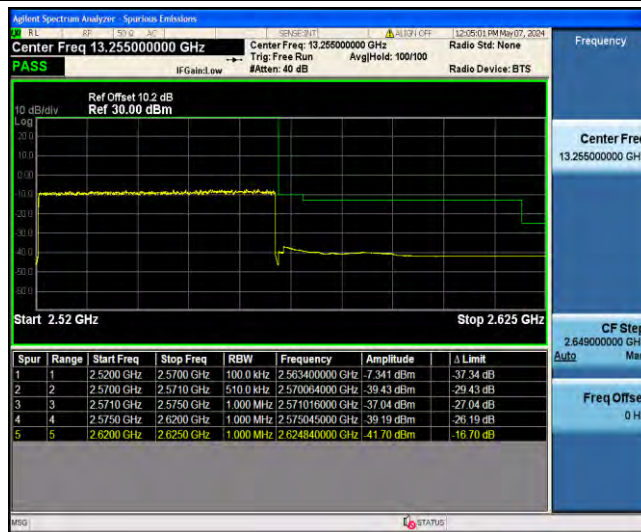
1-N7-PC3-15-50-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant31-2500.80-15.21-14.79-PASS



1-N7-PC3-15-50-L-6-CP-QPSK-Outter\_Full-270@0-Ant31-2490.42-9.28--34.28-PASS

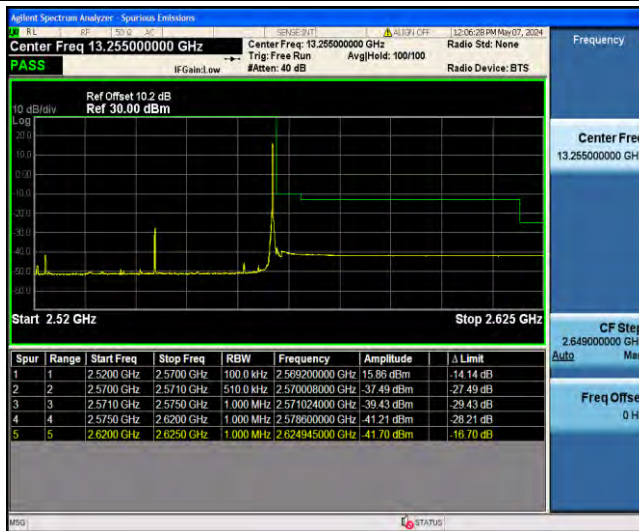


1-N7-PC3-15-50-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@269-Ant31-2623.81-16.71--41.71-PASS

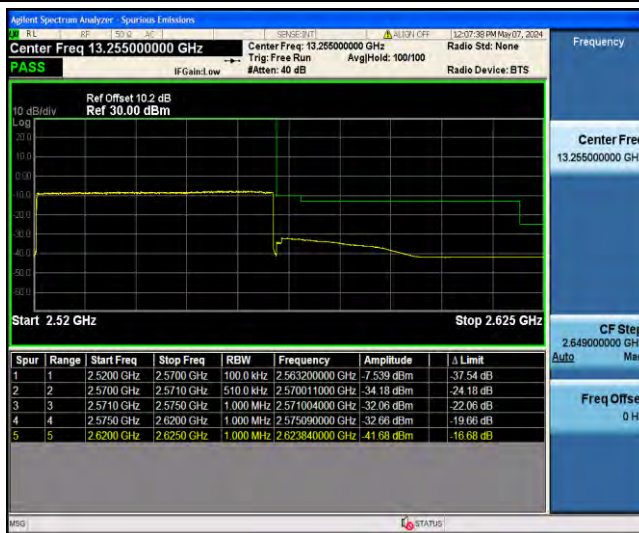


1-N7-PC3-15-50-H-3-DFT-PI2BPSK-Outter\_Full-270@0-Ant31-2624.84-16.70--41.70-PASS





1-N7-PC3-15-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@269-Ant31-2624.95-16.70--41.70-PASS



1-N7-PC3-15-50-H-6-CP-QPSK-Outer\_Full-270@0-Ant31-2623.84-16.68--41.68-PASS

## Conducted Spurious Emission for SA

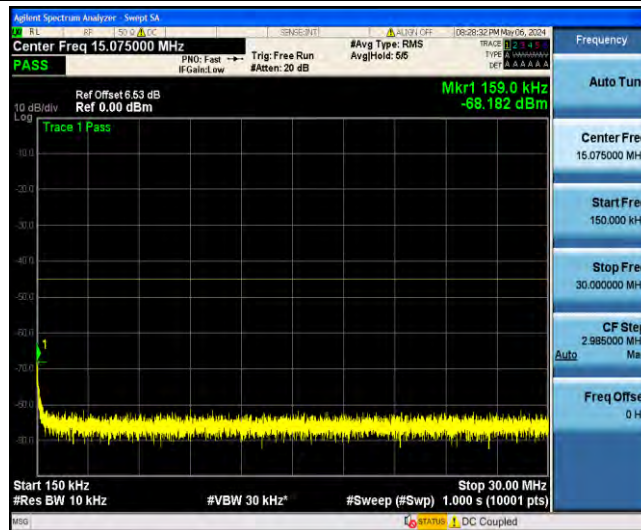
### Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N7	15	50	DFT-PI2BPSK	L	0.009	0.15	1@1	-65.33	-55	PASS
N7	15	50	DFT-PI2BPSK	L	0.15	30	1@1	-68.18	-45	PASS
N7	15	50	DFT-PI2BPSK	L	30	1000	1@1	-53.67	-35	PASS
N7	15	50	DFT-PI2BPSK	L	3000	12000	1@1	-46.76	-25	PASS
N7	15	50	DFT-PI2BPSK	L	12000	26500	1@1	-34.98	-25	PASS
N7	15	50	DFT-PI2BPSK	M	0.009	0.15	1@1	-63.56	-55	PASS
N7	15	50	DFT-PI2BPSK	M	0.15	30	1@1	-65.80	-45	PASS
N7	15	50	DFT-PI2BPSK	M	30	1000	1@1	-54.00	-35	PASS
N7	15	50	DFT-PI2BPSK	M	3000	12000	1@1	-46.80	-25	PASS
N7	15	50	DFT-PI2BPSK	M	12000	26500	1@1	-34.92	-25	PASS
N7	15	50	DFT-PI2BPSK	H	0.009	0.15	1@1	-66.35	-55	PASS
N7	15	50	DFT-PI2BPSK	H	0.15	30	1@1	-66.18	-45	PASS
N7	15	50	DFT-PI2BPSK	H	30	1000	1@1	-52.95	-35	PASS
N7	15	50	DFT-PI2BPSK	H	3000	12000	1@1	-46.73	-25	PASS
N7	15	50	DFT-PI2BPSK	H	12000	26500	1@1	-35.05	-25	PASS

# Test Graphs



1-N7-PC3-15-50-L-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant31-0.01--65.33--55-PASS



1-N7-PC3-15-50-L-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant31-0.16--68.18--45-PASS



1-N7-PC3-15-50-L-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant31-893.25--53.67--35-PASS



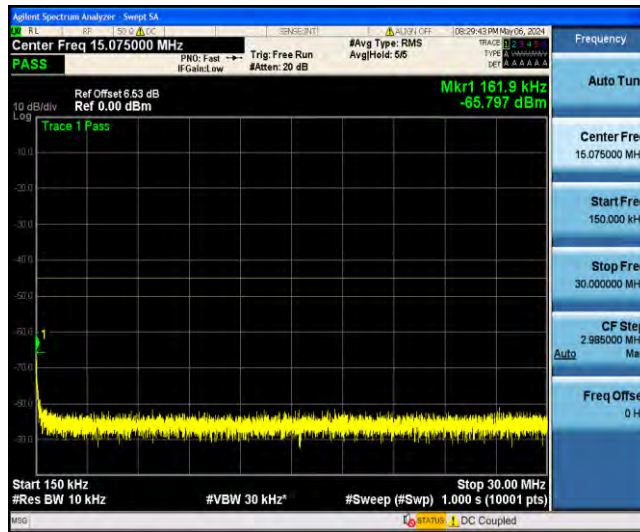
1-N7-PC3-15-50-L-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant31-5418.30--46.76--25-PASS



1-N7-PC3-15-50-L-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-26500-Ant31-25620.82--34.98--25-PASS



1-N7-PC3-15-50-M-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant31-0.01--63.56--55-PASS



1-N7-PC3-15-50-M-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant31-0.16--65.80--45-PASS



1-N7-PC3-15-50-M-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant31-888.16--54.00--35-PASS



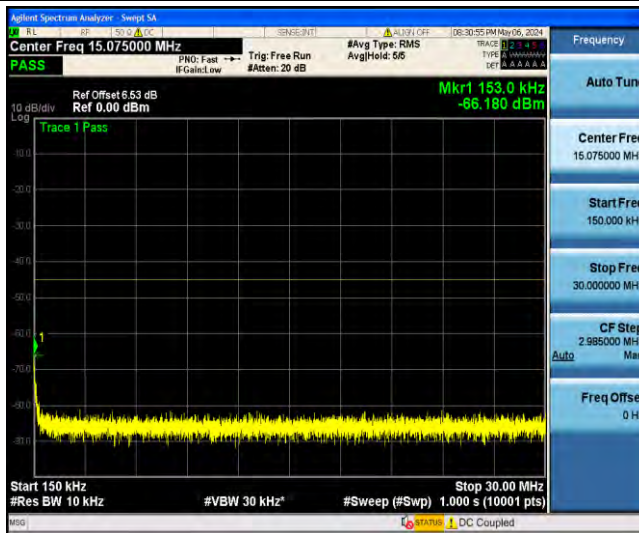
1-N7-PC3-15-50-M-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant31-5786.40--46.80--25-P  
ASS



1-N7-PC3-15-50-M-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-26500-Ant31-25718.45--34.92--25  
-PASS



1-N7-PC3-15-50-H-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant31-0.01--66.35--55-PASS



1-N7-PC3-15-50-H-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant31-0.15--66.18--45-PASS



1-N7-PC3-15-50-H-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant31-896.94--52.95--35-PASS



1-N7-PC3-15-50-H-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant31-5897.55--46.73--25-PASS



1-N7-PC3-15-50-H-1-NS\_01-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-26500-Ant31-25785.15--35.05--25-PASS



## Field Strength of Spurious Radiation

SA Band 7 ANT13-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
5002.0	-62.72	-25	-37.72	-68.29	4.57	10.14	Horizontal	Pass
10004.0	-54.23	-25	-29.23	-61.8	5.46	13.03	Horizontal	Pass
15006.0	-46.47	-25	-21.47	-53.91	7.08	14.52	Horizontal	Pass
5002.0	-60.06	-25	-35.06	-65.63	4.57	10.14	Vertical	Pass
7503.0	-60.37	-25	-35.37	-67.17	4.94	11.74	Vertical	Pass
10004.0	-56.8	-25	-31.8	-64.37	5.46	13.03	Vertical	Pass

SA Band 7 ANT13-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
5052.0	-63.1	-25	-38.1	-68.68	4.59	10.17	Horizontal	Pass
7578.0	-59.78	-25	-34.78	-66.66	4.95	11.83	Horizontal	Pass
10104.0	-57.57	-25	-32.57	-65.14	5.48	13.05	Horizontal	Pass
5052.0	-61.2	-25	-36.2	-66.78	4.59	10.17	Vertical	Pass
7578.0	-60.48	-25	-35.48	-67.36	4.95	11.83	Vertical	Pass
10104.0	-53.44	-25	-28.44	-61.01	5.48	13.05	Vertical	Pass

SA Band 7 ANT13-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
5102.0	-63.46	-25	-38.46	-69.06	4.6	10.2	Horizontal	Pass
7653.0	-59.06	-25	-34.06	-66.03	4.95	11.92	Horizontal	Pass
10204.0	-50.79	-25	-25.79	-58.37	5.49	13.07	Horizontal	Pass
5102.0	-62.3	-25	-37.3	-67.9	4.6	10.2	Vertical	Pass
7653.0	-59.25	-25	-34.25	-66.22	4.95	11.92	Vertical	Pass
10204.0	-52.33	-25	-27.33	-59.91	5.49	13.07	Vertical	Pass

DC_2A_n7A -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
5002.0	-59.07	-25	-34.07	-64.64	4.57	10.14	Horizontal	Pass
7503.0	-52.71	-25	-27.71	-59.51	4.94	11.74	Horizontal	Pass
10004.0	-52.01	-25	-27.01	-59.58	5.46	13.03	Horizontal	Pass
5002.0	-60.81	-25	-35.81	-66.38	4.57	10.14	Vertical	Pass
7503.0	-58.12	-25	-33.12	-64.92	4.94	11.74	Vertical	Pass
10004.0	-52.96	-25	-27.96	-60.53	5.46	13.03	Vertical	Pass

DC_2A_n7A -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
5052.0	-61.27	-25	-36.27	-66.85	4.59	10.17	Horizontal	Pass
7578.0	-53.63	-25	-28.63	-60.51	4.95	11.83	Horizontal	Pass
10104.0	-48.03	-25	-23.03	-55.6	5.48	13.05	Horizontal	Pass
5052.0	-61.07	-25	-36.07	-66.65	4.59	10.17	Vertical	Pass
7578.0	-60.05	-25	-35.05	-66.93	4.95	11.83	Vertical	Pass
10104.0	-53.59	-25	-28.59	-61.16	5.48	13.05	Vertical	Pass

DC_2A_n7A -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
5102.0	-59.7	-25	-34.7	-65.3	4.6	10.2	Horizontal	Pass
7653.0	-56.59	-25	-31.59	-63.56	4.95	11.92	Horizontal	Pass
10204.0	-50.48	-25	-25.48	-58.06	5.49	13.07	Horizontal	Pass
5102.0	-60.93	-25	-35.93	-66.53	4.6	10.2	Vertical	Pass
7653.0	-60.11	-25	-35.11	-67.08	4.95	11.92	Vertical	Pass
10204.0	-54.16	-25	-29.16	-61.74	5.49	13.07	Vertical	Pass

Remark:

1) All antennas of RSE are tested, and only the worst data is presented.

# 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
N7	15	50	DFT-PI2BPSK	M	270@0	VH	NT	-10.50	0.00	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	VN	NT	-6.40	0.00	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	VL	NT	-8.30	0.00	PASS
N7	15	50	CP-QPSK	M	270@0	VH	NT	-5.40	0.00	PASS
N7	15	50	CP-QPSK	M	270@0	VN	NT	-5.90	0.00	PASS
N7	15	50	CP-QPSK	M	270@0	VL	NT	-4.20	0.00	PASS

### Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
N7	15	50	DFT-PI2BPSK	M	270@0	NV	50	-3.500000	-0.001381	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	-20	-8.600000	-0.003393	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	-10	-4.300000	-0.001696	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	0	-4.500000	-0.001775	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	10	-3.300000	-0.001302	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	20	-5.400000	-0.002130	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	30	-7.300000	-0.002880	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	-30	-4.300000	-0.001696	PASS
N7	15	50	DFT-PI2BPSK	M	270@0	NV	40	-8.500000	-0.003353	PASS
N7	15	50	CP-QPSK	M	270@0	NV	50	-8.200000	-0.003235	PASS
N7	15	50	CP-QPSK	M	270@0	NV	-20	-6.800000	-0.002682	PASS
N7	15	50	CP-QPSK	M	270@0	NV	-10	-8.000000	-0.003156	PASS
N7	15	50	CP-QPSK	M	270@0	NV	0	-4.800000	-0.001893	PASS
N7	15	50	CP-QPSK	M	270@0	NV	10	-3.700000	-0.001460	PASS
N7	15	50	CP-QPSK	M	270@0	NV	20	3.300000	0.001302	PASS
N7	15	50	CP-QPSK	M	270@0	NV	30	-9.400000	-0.003708	PASS
N7	15	50	CP-QPSK	M	270@0	NV	40	-8.500000	-0.003353	PASS
N7	15	50	CP-QPSK	M	270@0	NV	-30	2.300000	0.000907	PASS

---End of Attachment---