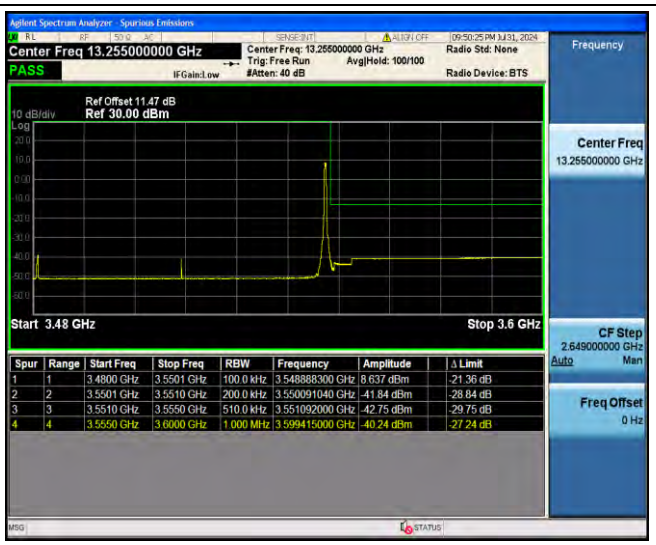
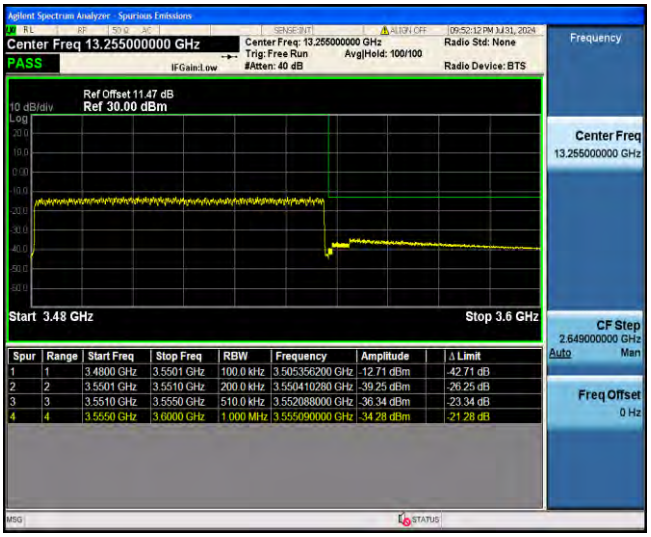
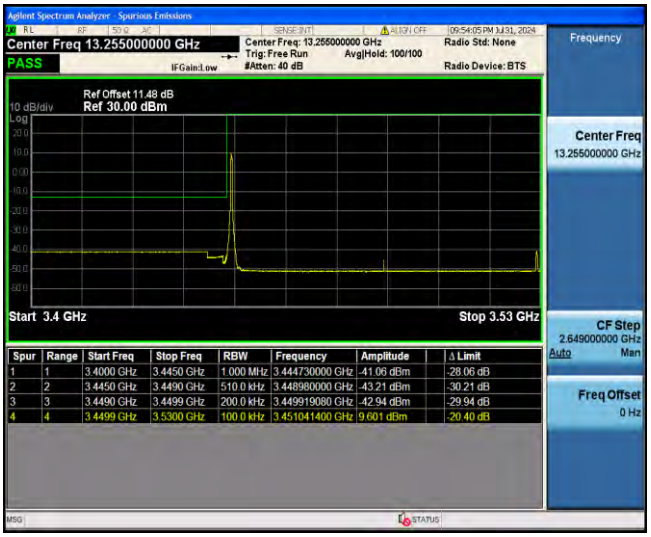


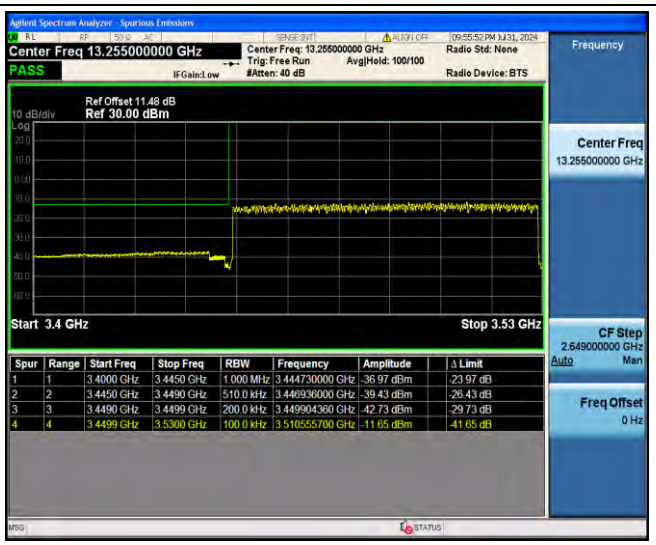
1-N78-3450-3550-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant1-3599.42-27.24--40.24-PASS



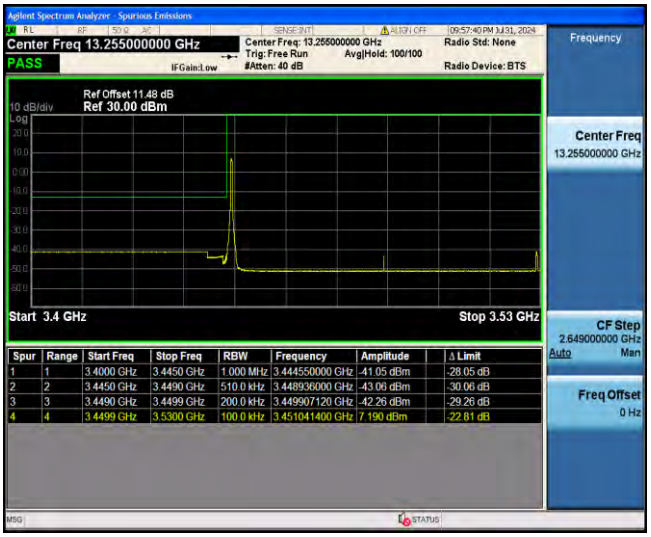
1-N78-3450-3550-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant1-3555.09-21.28--34.28-PASS



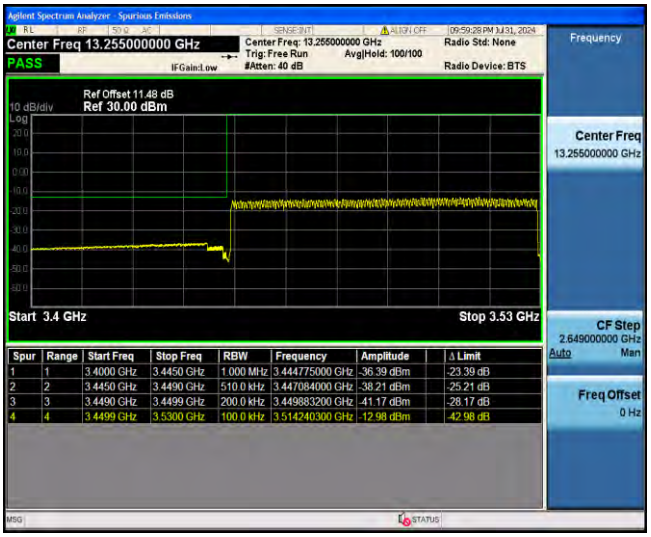
1-N78-3450-3550-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-3444.73-28.06--41.06-PASS



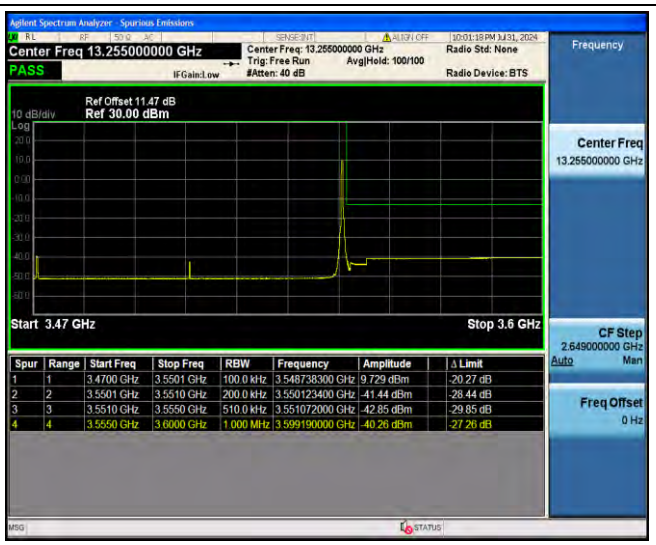
1-N78-3450-3550-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-3444.73-23.97--36.97-PASS



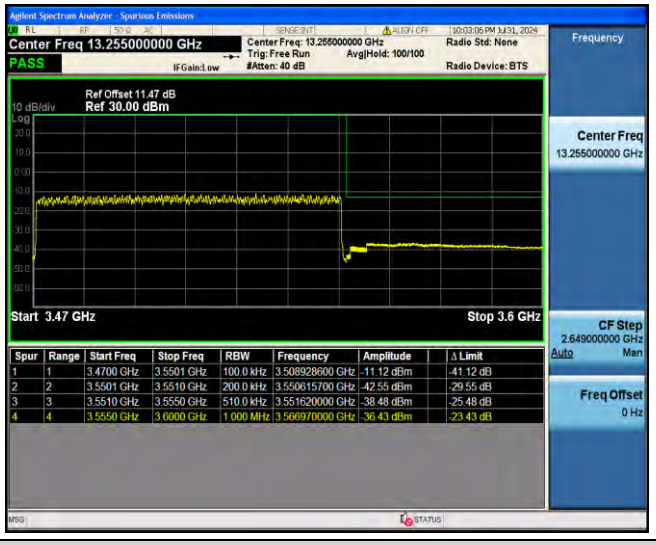
1-N78-3450-3550-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-3444.55-28.05--41.05-PASS



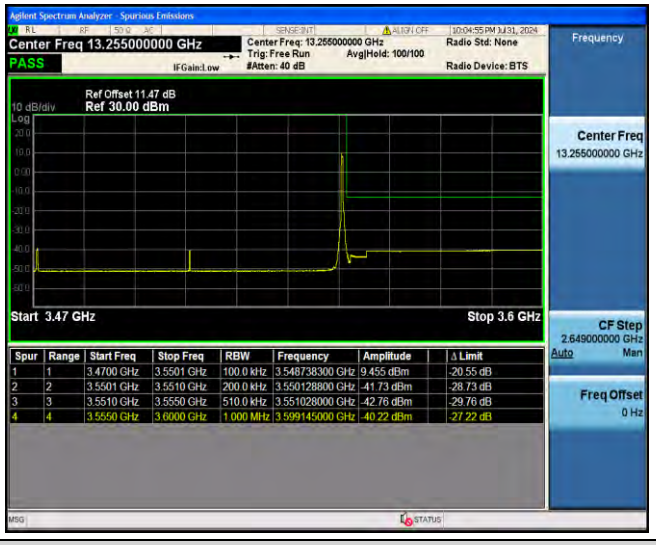
1-N78-3450-3550-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-3444.78-23.39--36.39-PASS



1-N78-3450-3550-PC2-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-3599.19-27.26--40.26-PASS

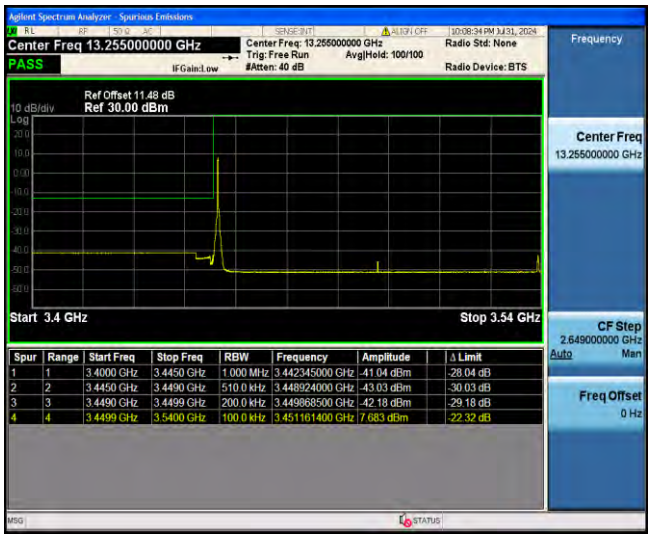


1-N78-3450-3550-PC2-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-3566.97-23.43--36.43-PASS

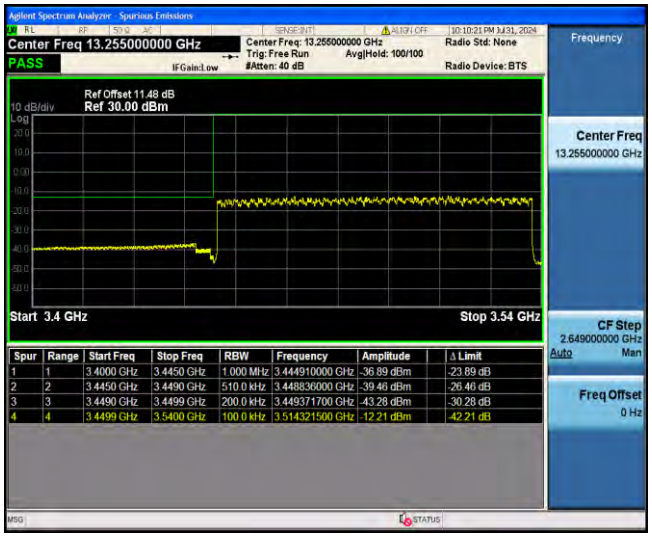


1-N78-3450-3550-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-3599.15-27.22--40.22-PASS

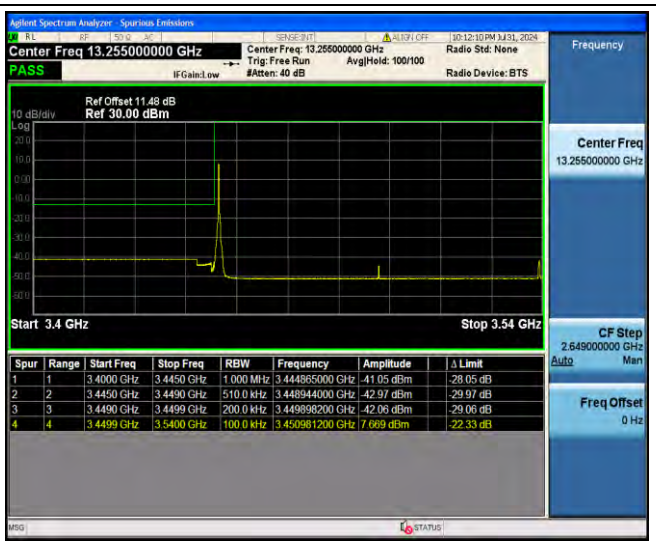
1-N78-3450-3550-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-3555.63-22.31--35.31-PASS



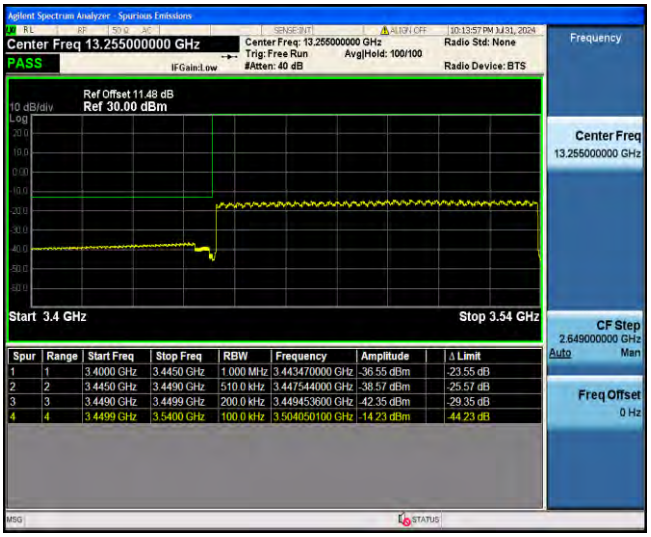
1-N78-3450-3550-PC2-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-3442.35-28.04--41.04-PASS



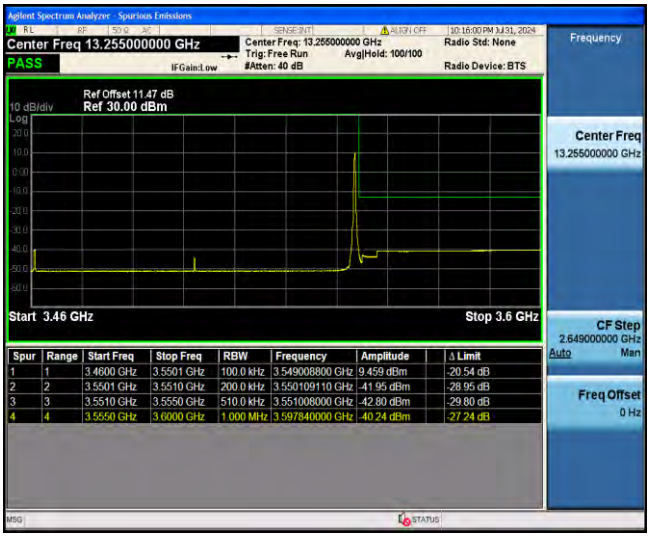
1-N78-3450-3550-PC2-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-3444.91-23.89--36.89-PASS



1-N78-3450-3550-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-3444.87-28.05--41.05-PASS

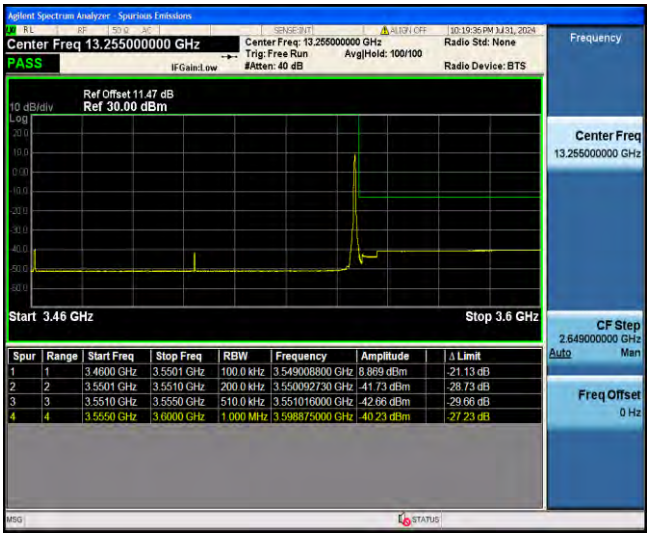


1-N78-3450-3550-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-3443.47-23.55--36.55-PASS

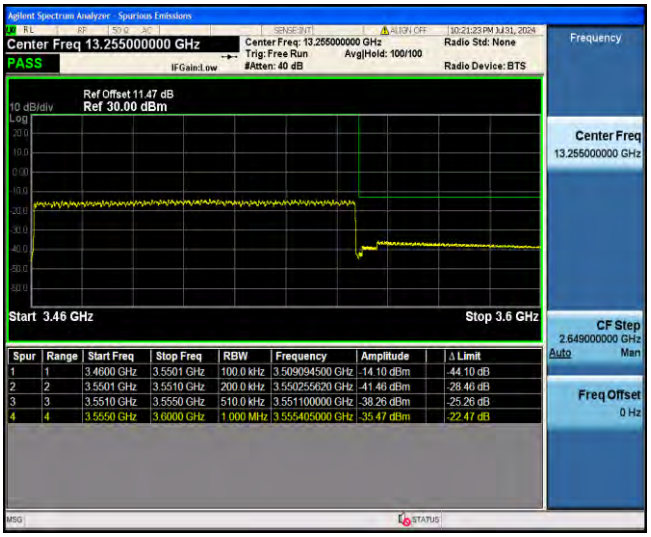


1-N78-3450-3550-PC2-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-3597.84-27.24--40.24-PASS

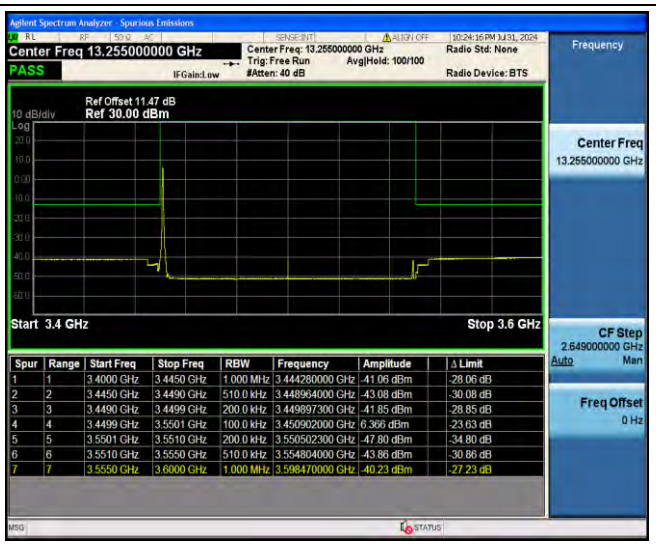
1-N78-3450-3550-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-3556.44-23.81--36.81-PASS



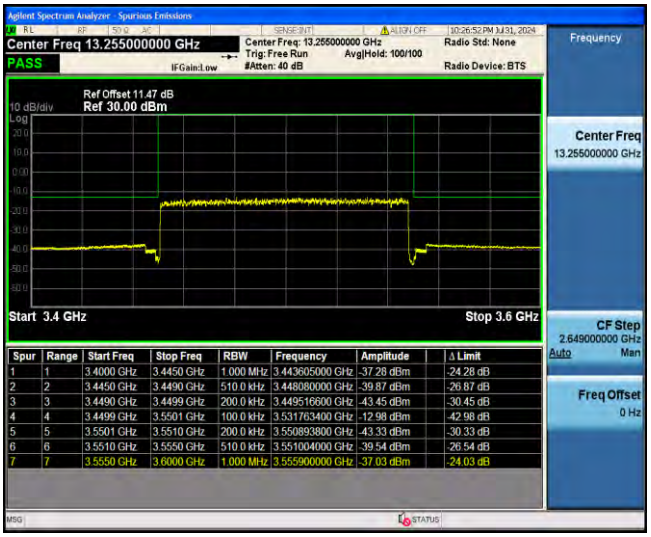
1-N78-3450-3550-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-3598.88-27.23--40.23-PASS



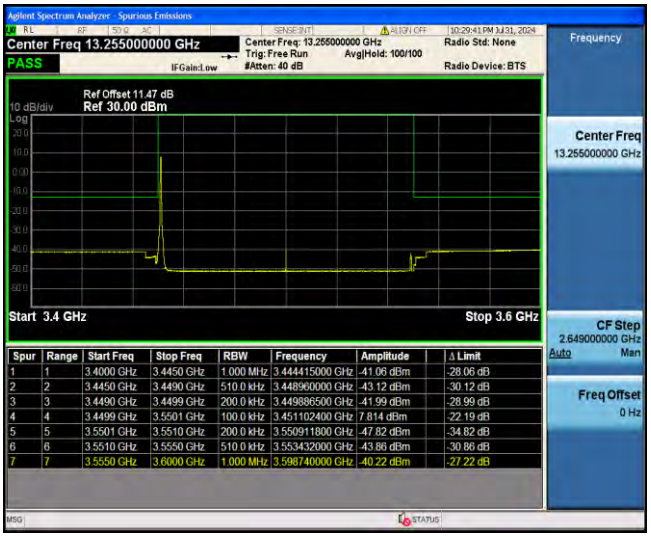
1-N78-3450-3550-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-3555.41-22.47--35.47-PASS



1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-3598.47-27.23--40.23-PASS

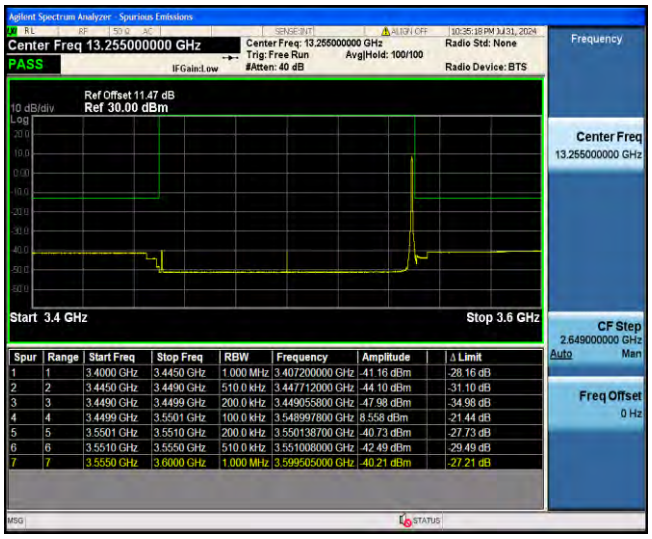


1-N78-3450-3550-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-3555.90-24.03--37.03-PASS

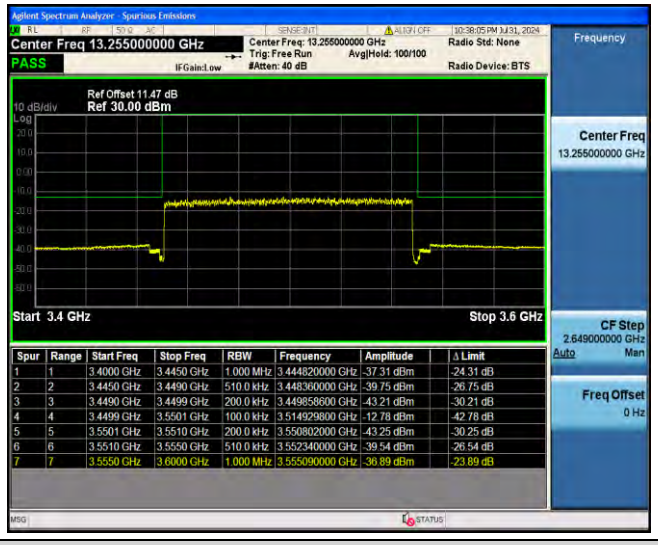


1-N78-3450-3550-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-3598.74-27.22--40.22-PASS

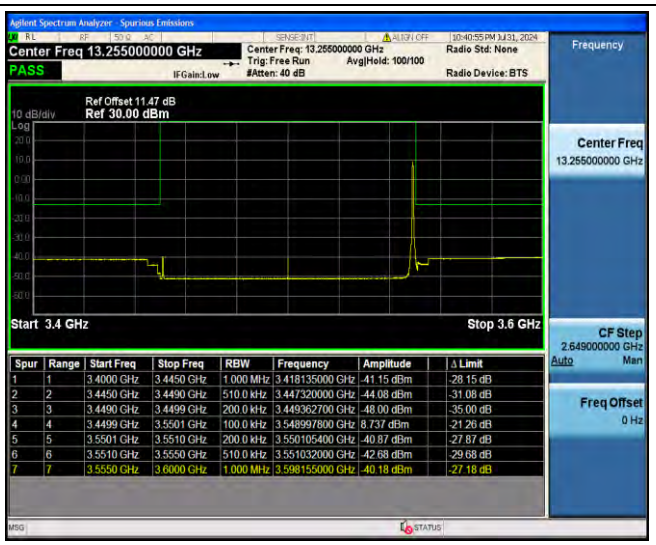
1-N78-3450-3550-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-3555.63-23.04--36.04-PASS



1-N78-3450-3550-PC2-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@272-Ant1-3599.51-27.21--40.21-PASS



1-N78-3450-3550-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-3555.09-23.89--36.89-PASS



1-N78-3450-3550-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-3598.16-27.18--40.18-PASS

1-N78-3450-3550-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-3555.32-23.37--36.37-PASS

Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	0.009	0.15	1@1	-89.73	-43	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	0.15	30	1@1	-84.23	-33	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	30	1000	1@1	-59.15	-23	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	1000	3000	1@1	-50.49	-13	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	3000	6000	1@1	-39.41	-13	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	6000	26000	1@1	-30.99	-13	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	26000	40000	1@1	-34.87	-13	PASS

Test Graphs

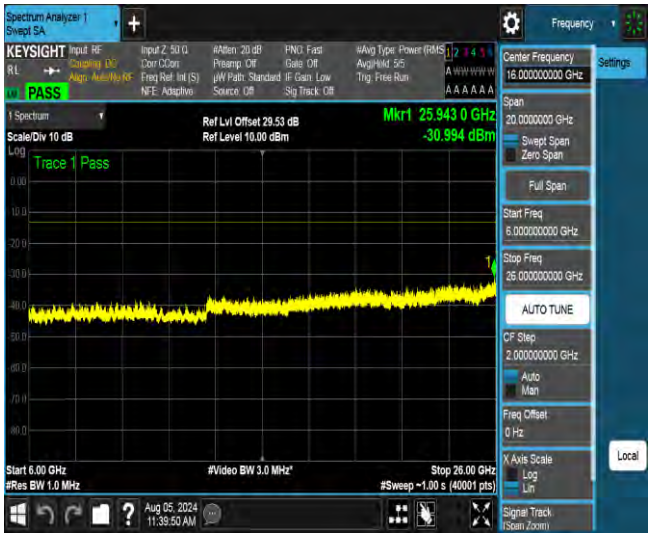
1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.10--89.73--43-PASS

1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.60--84.23--33-PASS

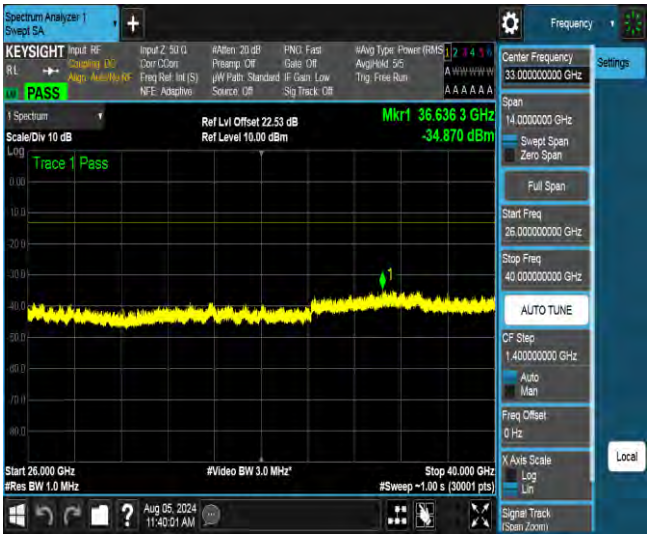
1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-860.76--59.15--23-PASS

1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2641.20--50.49--13-PASS

1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-6000-Ant1-3667.35--39.41--13-PASS



1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-26000-Ant1-25943.00--30.99--13-PASS



1-N78-3450-3550-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-26000-40000-Ant1-36636.27--34.87--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
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	VN	NT	-5.50	0.00	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	VL	NT	19.90	0.01	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	VH	NT	-10.10	0.00	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	VN	NT	-13.10	0.00	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	VL	NT	8.70	0.00	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	VH	NT	8.90	0.00	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	20	9.500000	0.002714	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	50	-10.600000	-0.003029	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	40	7.100000	0.002029	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-10	9.600000	0.002743	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	10	-13.100000	-0.003743	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	30	8.200000	0.002343	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-30	10.900000	0.003114	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	0	8.700000	0.002486	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	270@0	NV	-20	15.400000	0.004400	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	0	6.800000	0.001943	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	-10	-10.400000	-0.002971	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	10	9.300000	0.002657	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	20	9.300000	0.002657	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	50	19.700000	0.005629	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	-30	2.100000	0.000600	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	30	12.000000	0.003429	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	40	8.900000	0.002543	PASS
N78-3450-3550	30	100	CP-QPSK	M	273@0	NV	-20	-24.000000	-0.006857	PASS

Field Strength of Spurious Radiation

SA Band 78 3450-3550 ANT21- 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**
6910.0	-48.74	-13	-35.74	-54.84	4.91	11.01	Horizontal	Pass
10365.0	-46.51	-13	-33.51	-54.09	5.52	13.1	Horizontal	Pass
13820.0	-53.16	-13	-40.16	-61.33	6.21	14.38	Horizontal	Pass
6910.0	-48.33	-13	-35.33	-54.43	4.91	11.01	Vertical	Pass
10365.0	-48.67	-13	-35.67	-56.25	5.52	13.1	Vertical	Pass
13820.0	-54.23	-13	-41.23	-62.4	6.21	14.38	Vertical	Pass

NSA DC_7A_n78A 3450-3550-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**
6910.0	-60.97	-13	-47.97	-67.07	4.91	11.01	Horizontal	Pass
10365.0	-56.35	-13	-43.35	-63.93	5.52	13.1	Horizontal	Pass
13820.0	-54.53	-13	-41.53	-62.7	6.21	14.38	Horizontal	Pass
6910.0	-61.03	-13	-48.03	-67.13	4.91	11.01	Vertical	Pass
10365.0	-56.34	-13	-43.34	-63.92	5.52	13.1	Vertical	Pass
13820.0	-54.81	-13	-41.81	-62.98	6.21	14.38	Vertical	Pass

Remark:

1) The field strength is calculated by adding the S.G.Power, Antenna Gain & Cable Loss. The basic equation with a sample calculation is as follows:
   EIRP=S.G.Power+Antenna Gain-Cable Loss
   Over Limit=Limit-EIRP
2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---