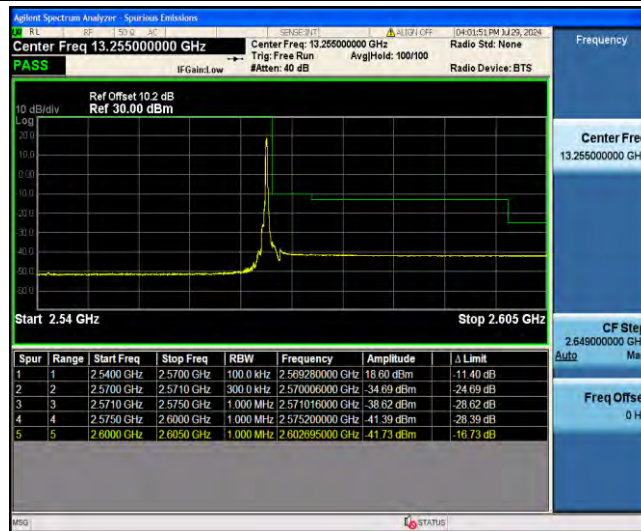
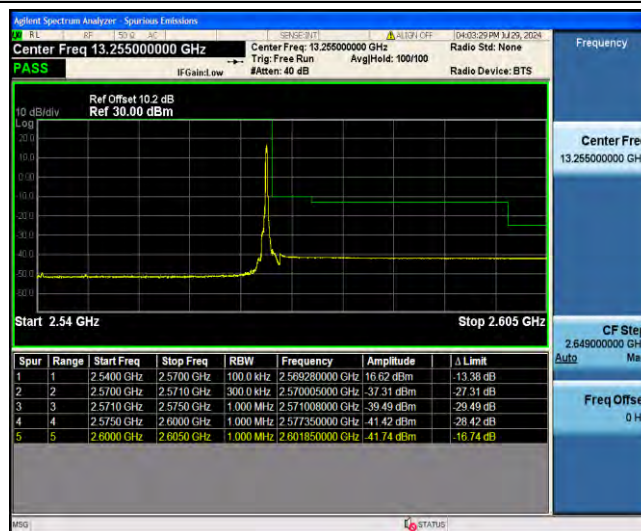




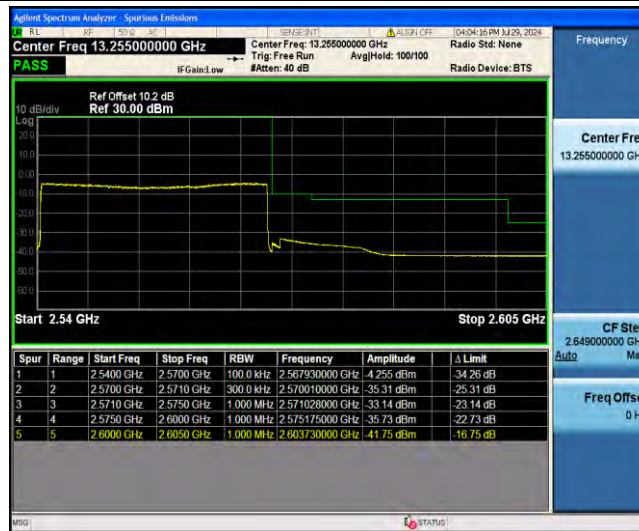
1-N7-PC3-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@159-Ant1-2602.70-16.73--41.73-PASS



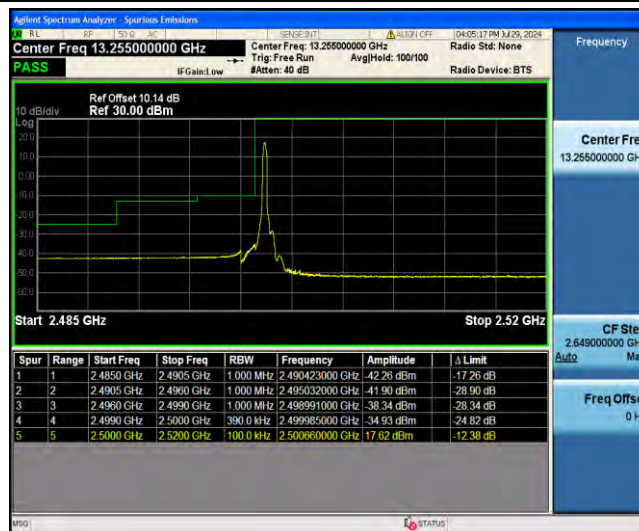
1-N7-PC3-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-2604.07-16.75--41.75-PASS



1-N7-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-2601.85-16.74--41.74-PASS



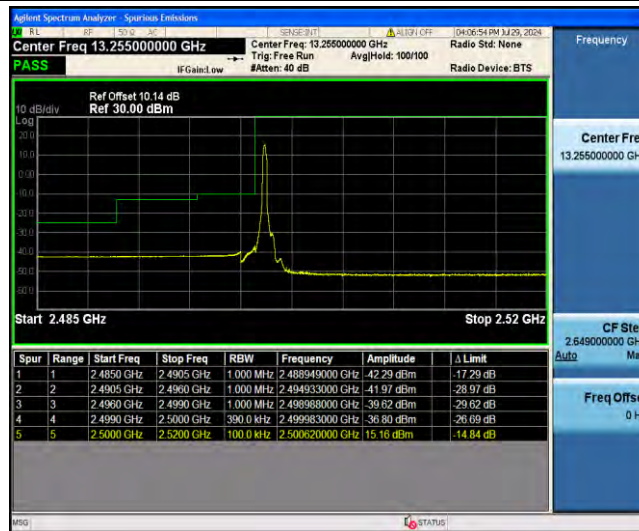
1-N7-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-2603.73-16.75--41.75-PASS



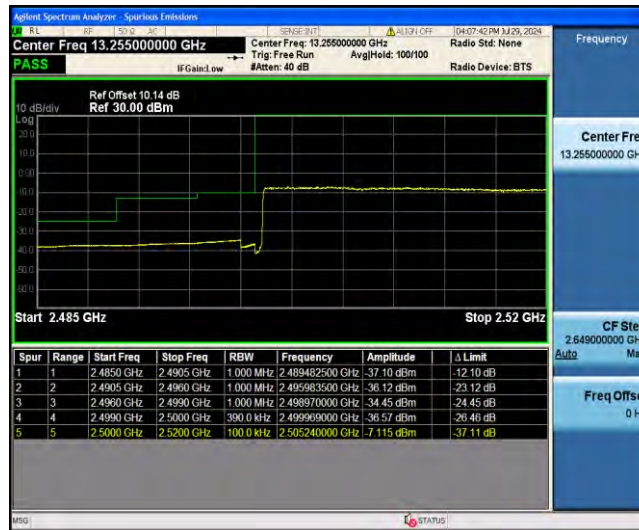
1-N7-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-2500.66-12.38-17.62-PASS



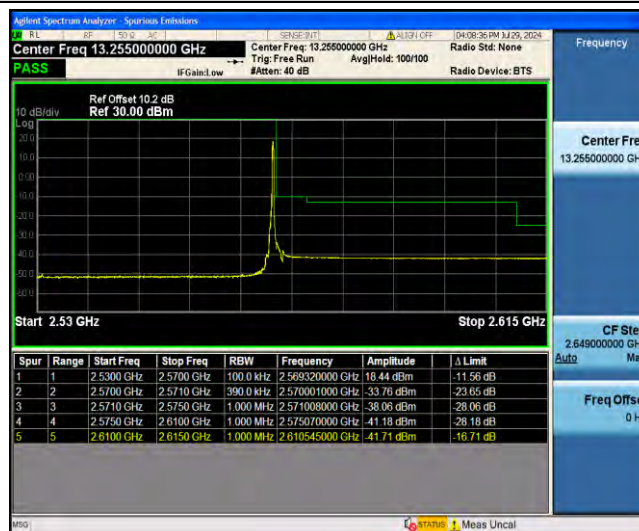
1-N7-PC3-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-2488.49-10.10--35.10-PASS



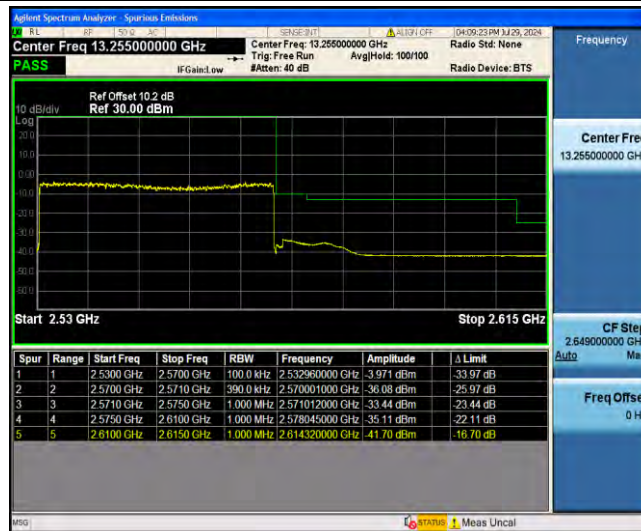
1-N7-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-2500.62-14.84-15.16-PASS



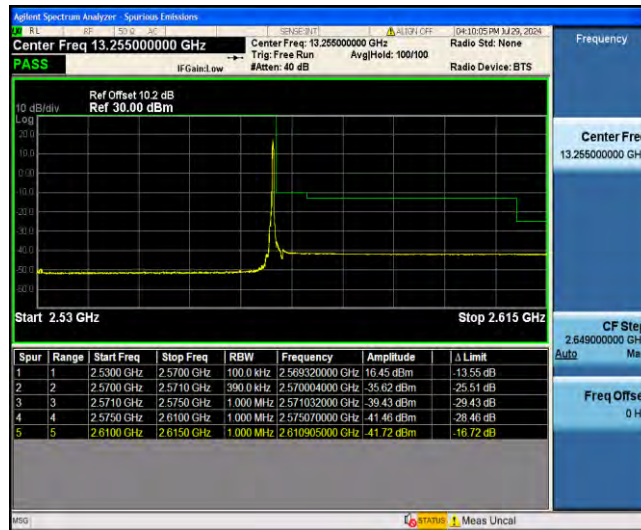
1-N7-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-2489.48-12.10--37.10-PASS



1-N7-PC3-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant1-2610.55-16.71--41.71-PASS



1-N7-PC3-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-2614.32-16.70--41.70-PASS



1-N7-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant1-2610.91-16.72--41.72-PASS



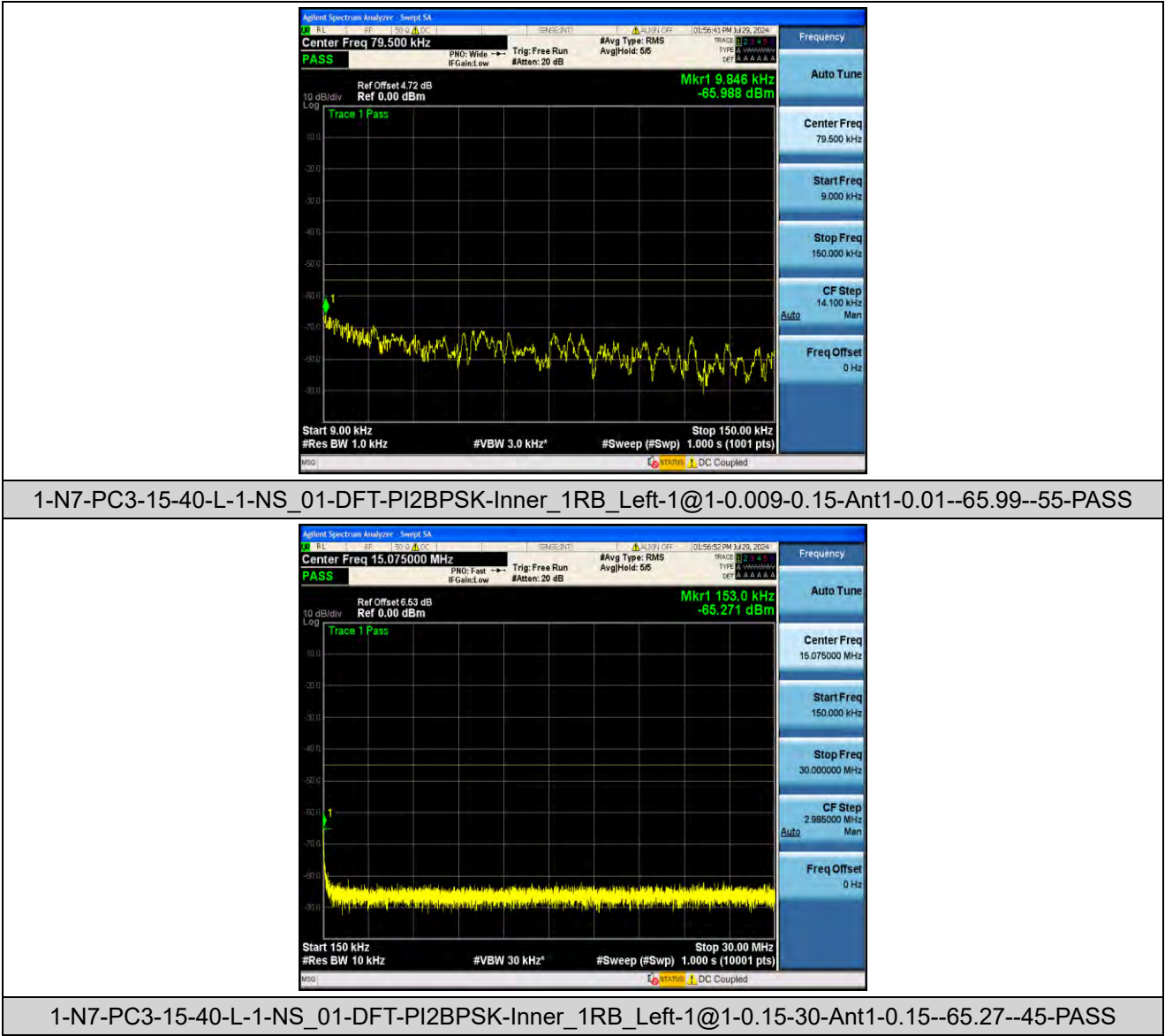
1-N7-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant1-2611.83-16.72--41.72-PASS

Conducted Spurious Emission for SA

Test Result

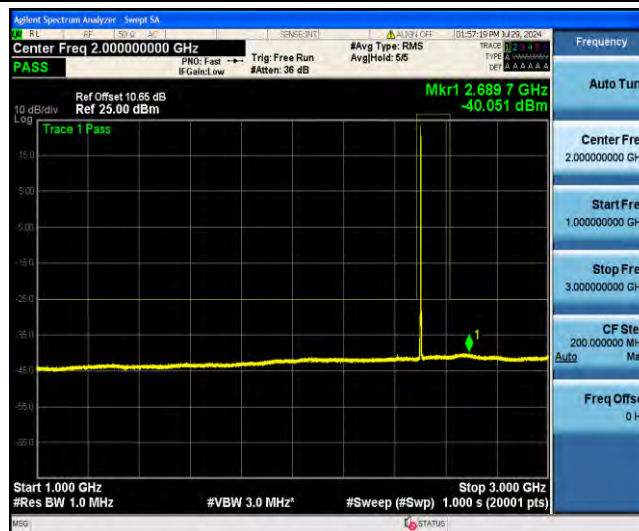
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N7	15	40	DFT-PI2BPSK	L	0.009	0.15	1@1	-65.99	-55	PASS
N7	15	40	DFT-PI2BPSK	L	0.15	30	1@1	-65.27	-45	PASS
N7	15	40	DFT-PI2BPSK	L	30	1000	1@1	-53.72	-35	PASS
N7	15	40	DFT-PI2BPSK	L	1000	3000	1@1	-40.05	-25	PASS
N7	15	40	DFT-PI2BPSK	L	3000	12000	1@1	-46.86	-25	PASS
N7	15	40	DFT-PI2BPSK	L	12000	26500	1@1	-35.14	-25	PASS
N7	15	40	DFT-PI2BPSK	M	0.009	0.15	1@1	-66.14	-55	PASS
N7	15	40	DFT-PI2BPSK	M	0.15	30	1@1	-66.51	-45	PASS
N7	15	40	DFT-PI2BPSK	M	30	1000	1@1	-53.90	-35	PASS
N7	15	40	DFT-PI2BPSK	M	1000	3000	1@1	-39.90	-25	PASS
N7	15	40	DFT-PI2BPSK	M	3000	12000	1@1	-46.95	-25	PASS
N7	15	40	DFT-PI2BPSK	M	12000	26500	1@1	-35.14	-25	PASS
N7	15	40	DFT-PI2BPSK	H	0.009	0.15	1@1	-65.79	-55	PASS
N7	15	40	DFT-PI2BPSK	H	0.15	30	1@1	-67.95	-45	PASS
N7	15	40	DFT-PI2BPSK	H	30	1000	1@1	-53.71	-35	PASS
N7	15	40	DFT-PI2BPSK	H	1000	3000	1@1	-40.04	-25	PASS
N7	15	40	DFT-PI2BPSK	H	3000	12000	1@1	-46.93	-25	PASS
N7	15	40	DFT-PI2BPSK	H	12000	26500	1@1	-35.20	-25	PASS

Test Graphs





1-N7-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-871.86--53.72--35-PASS



1-N7-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2689.70--40.05--25-PASS



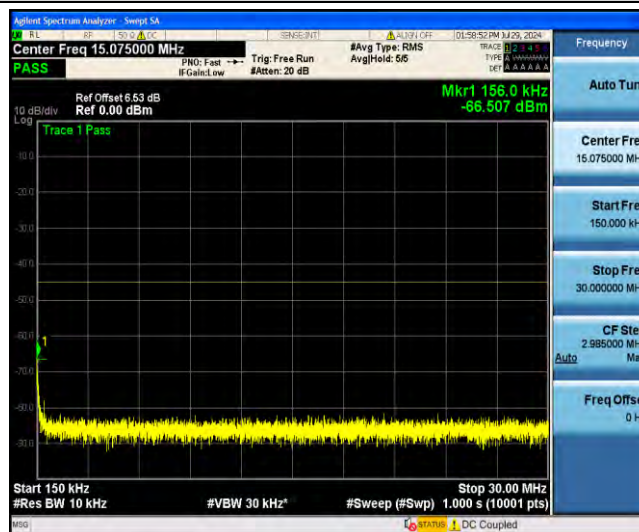
1-N7-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-5928.60--46.86--25-PASS



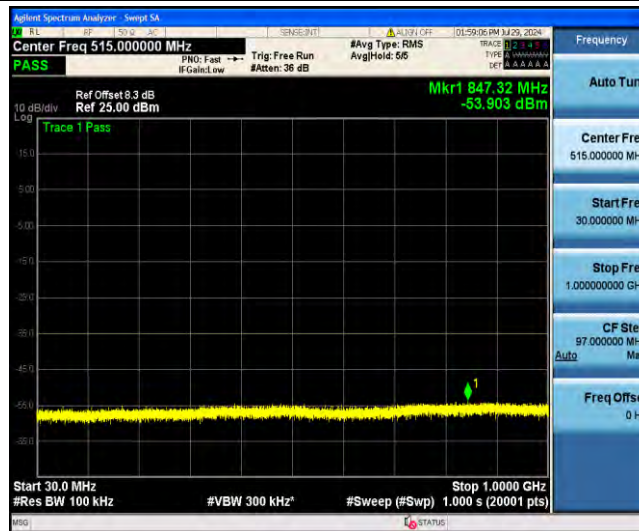
1-N7-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-26500-Ant1-25715.55--35.14--25-PASS



1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--66.14--55-PASS



1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.16--66.51--45-PASS



1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-847.32--53.90--35-PASS



1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2661.60--39.90--25-PASS



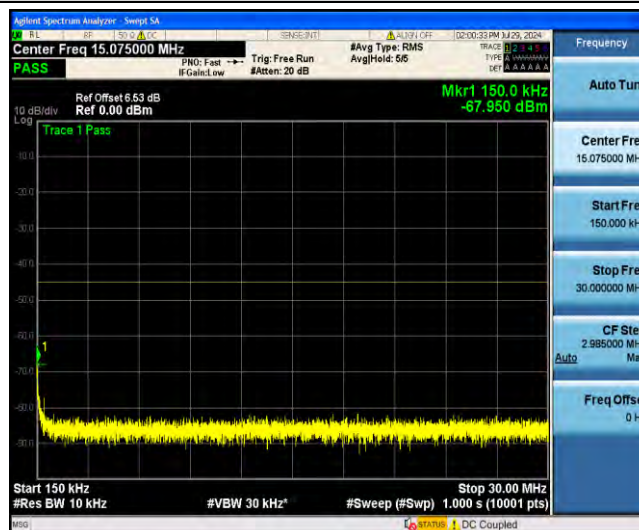
1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-5862.00--46.95--25-PASS



1-N7-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-26500-Ant1-25738.75--35.14--25-PASS



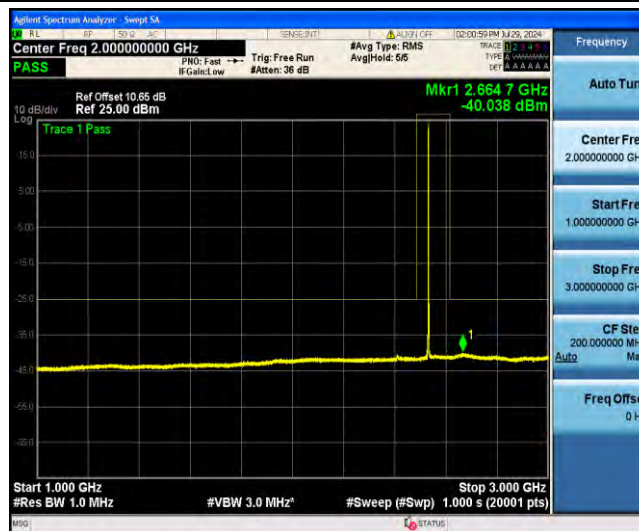
1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--65.79--55-PASS



1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--67.95--45-PASS



1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-899.80--53.71--35-PASS



1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2664.70--40.04--25-PAS
S



1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-5820.15--46.93--25-PA
SS



1-N7-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-26500-Ant1-25704.43--35.20--25-P
ASS

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	40	DFT-PI2BPSK	M	216@0	VN	NT	-6.90	0.00	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	VL	NT	-5.90	0.00	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	VH	NT	-5.70	0.00	PASS
N7	15	40	CP-QPSK	M	216@0	VN	NT	-2.60	0.00	PASS
N7	15	40	CP-QPSK	M	216@0	VL	NT	-4.90	0.00	PASS
N7	15	40	CP-QPSK	M	216@0	VH	NT	-7.20	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	40	DFT-PI2BPSK	M	216@0	NV	-20	-3.600000	-0.001420	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	50	-3.200000	-0.001262	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	40	-5.000000	-0.001972	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	10	-4.200000	-0.001657	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	-10	-6.800000	-0.002682	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	-30	-9.600000	-0.003787	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	30	-10.400000	-0.004103	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	0	-4.600000	-0.001815	PASS
N7	15	40	DFT-PI2BPSK	M	216@0	NV	20	-9.100000	-0.003590	PASS
N7	15	40	CP-QPSK	M	216@0	NV	0	-5.800000	-0.002288	PASS
N7	15	40	CP-QPSK	M	216@0	NV	10	-5.300000	-0.002091	PASS
N7	15	40	CP-QPSK	M	216@0	NV	-10	6.100000	0.002406	PASS
N7	15	40	CP-QPSK	M	216@0	NV	-20	-8.500000	-0.003353	PASS
N7	15	40	CP-QPSK	M	216@0	NV	50	-7.000000	-0.002761	PASS
N7	15	40	CP-QPSK	M	216@0	NV	30	-7.800000	-0.003077	PASS
N7	15	40	CP-QPSK	M	216@0	NV	-30	3.100000	0.001223	PASS
N7	15	40	CP-QPSK	M	216@0	NV	40	-3.300000	-0.001302	PASS
N7	15	40	CP-QPSK	M	216@0	NV	20	-3.900000	-0.001538	PASS

Field Strength of Spurious Radiation

SA Band 7 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
5002.0	-62.51	-25	-37.51	-68.08	4.57	10.14	Horizontal	Pass
7503.0	-60.77	-25	-35.77	-67.57	4.94	11.74	Horizontal	Pass
10004.0	-57.11	-25	-32.11	-64.68	5.46	13.03	Horizontal	Pass
5002.0	-62.78	-25	-37.78	-68.35	4.57	10.14	Vertical	Pass
7503.0	-60.45	-25	-35.45	-67.25	4.94	11.74	Vertical	Pass
10004.0	-57.31	-25	-32.31	-64.88	5.46	13.03	Vertical	Pass

SA Band 7 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
5052.0	-62.88	-25	-37.88	-68.46	4.59	10.17	Horizontal	Pass
7578.0	-60.76	-25	-35.76	-67.64	4.95	11.83	Horizontal	Pass
10104.0	-57.23	-25	-32.23	-64.8	5.48	13.05	Horizontal	Pass
5052.0	-62.55	-25	-37.55	-68.13	4.59	10.17	Vertical	Pass
7578.0	-60.21	-25	-35.21	-67.09	4.95	11.83	Vertical	Pass
10104.0	-57.52	-25	-32.52	-65.09	5.48	13.05	Vertical	Pass

SA Band 7 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
5102.0	-63.08	-25	-38.08	-68.68	4.6	10.2	Horizontal	Pass
7653.0	-60.14	-25	-35.14	-67.11	4.95	11.92	Horizontal	Pass
10204.0	-57.43	-25	-32.43	-65.01	5.49	13.07	Horizontal	Pass
5102.0	-63.13	-25	-38.13	-68.73	4.6	10.2	Vertical	Pass
7653.0	-60.03	-25	-35.03	-67.0	4.95	11.92	Vertical	Pass
10204.0	-57.4	-25	-32.4	-64.98	5.49	13.07	Vertical	Pass

NSA 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	-62.46	-25	-37.46	-68.03	4.57	10.14	Horizontal	Pass
7503.0	-60.69	-25	-35.69	-67.49	4.94	11.74	Horizontal	Pass
10004.0	-57.17	-25	-32.17	-64.74	5.46	13.03	Horizontal	Pass
5002.0	-62.36	-25	-37.36	-67.93	4.57	10.14	Vertical	Pass
7503.0	-60.17	-25	-35.17	-66.97	4.94	11.74	Vertical	Pass
10004.0	-57.16	-25	-32.16	-64.73	5.46	13.03	Vertical	Pass

NSA 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	-63.2	-25	-38.2	-68.78	4.59	10.17	Horizontal	Pass
7578.0	-61.07	-25	-36.07	-67.95	4.95	11.83	Horizontal	Pass
10104.0	-57.28	-25	-32.28	-64.85	5.48	13.05	Horizontal	Pass
5052.0	-63.13	-25	-38.13	-68.71	4.59	10.17	Vertical	Pass
7578.0	-60.92	-25	-35.92	-67.8	4.95	11.83	Vertical	Pass
10104.0	-57.38	-25	-32.38	-64.95	5.48	13.05	Vertical	Pass

NSA 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	-63.56	-25	-38.56	-69.16	4.6	10.2	Horizontal	Pass
7653.0	-59.77	-25	-34.77	-66.74	4.95	11.92	Horizontal	Pass
10204.0	-58.03	-25	-33.03	-65.61	5.49	13.07	Horizontal	Pass
5102.0	-63.76	-25	-38.76	-69.36	4.6	10.2	Vertical	Pass
7653.0	-60.4	-25	-35.4	-67.37	4.95	11.92	Vertical	Pass
10204.0	-57.85	-25	-32.85	-65.43	5.49	13.07	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:

$$\text{EIRP} = \text{S.G.Power} + \text{Antenna Gain} - \text{Cable Loss}$$

$$\text{Over Limit} = \text{Limit} - \text{EIRP}$$
- 2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---