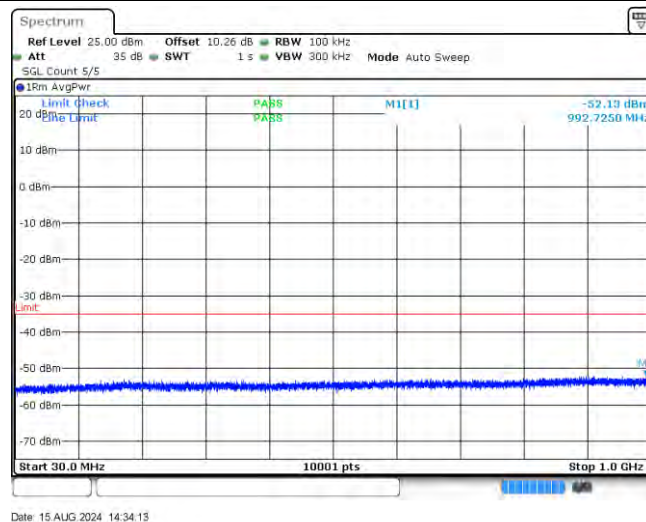
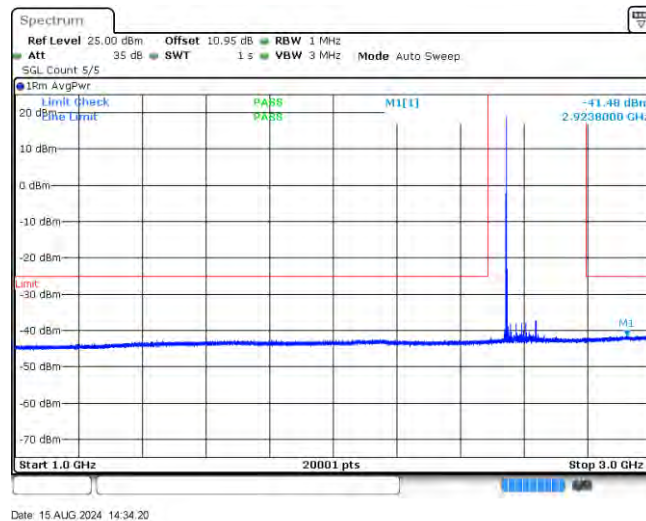
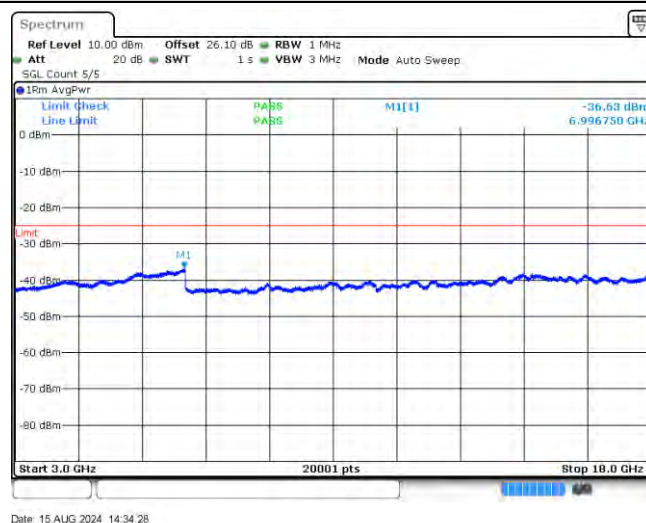




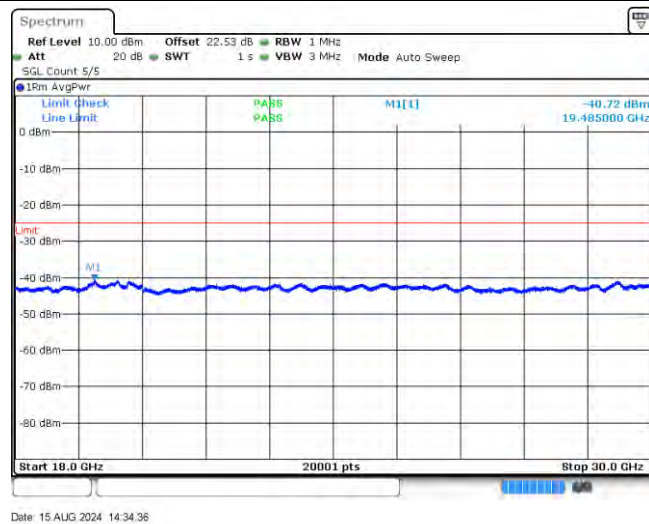
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-889.61--52.13--35-PASS



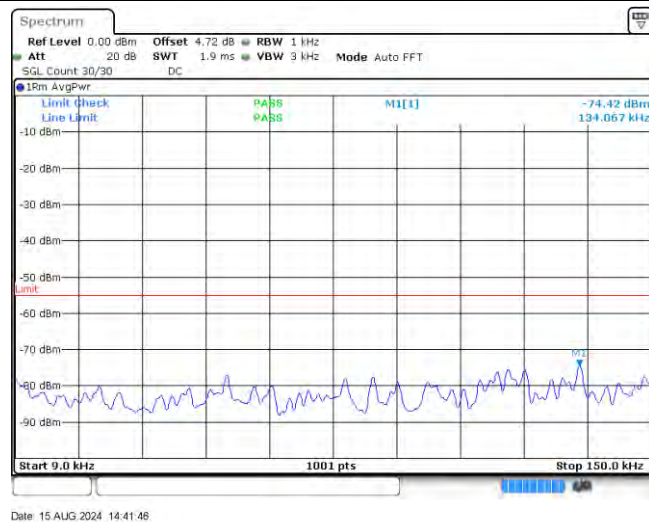
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2992.60--41.48--25-PASS



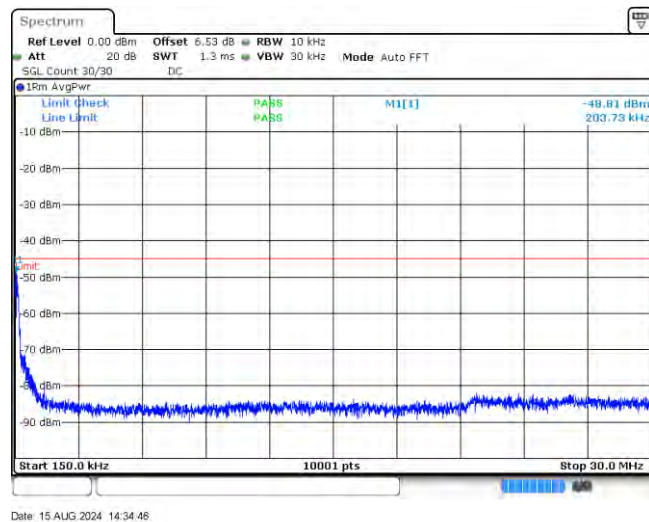
1-N41-PC2-30-100-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-18000-Ant1-16694.63--36.63--25-PASS



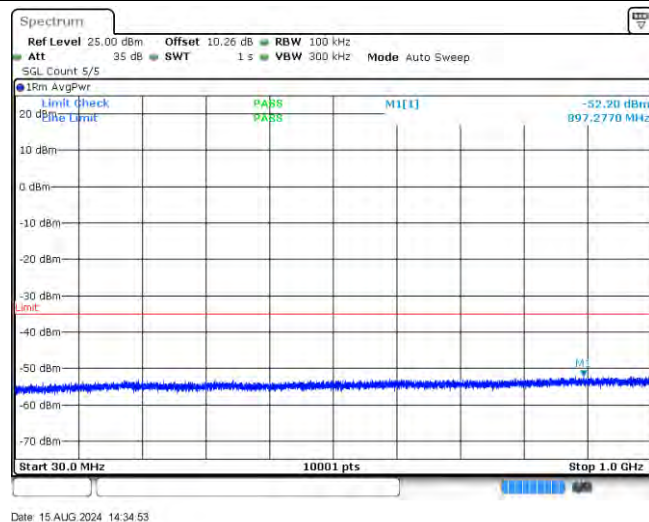
1-N41-PC2-30-100-M-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-18000-30000-Ant1-19485.00--40.72--25-PASS



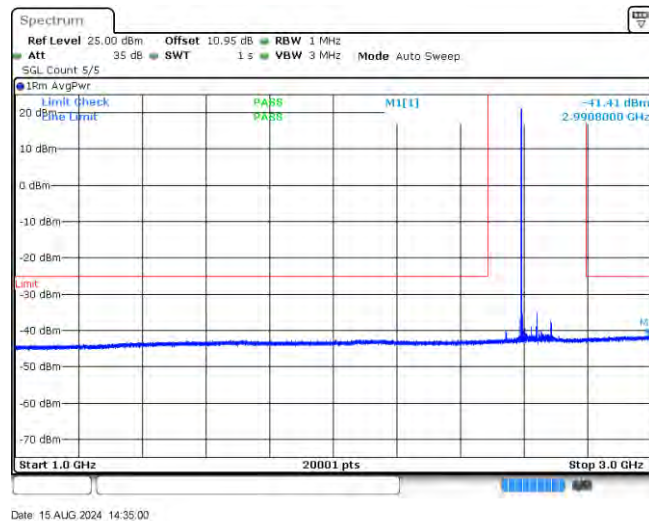
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--74.42--55-PASS



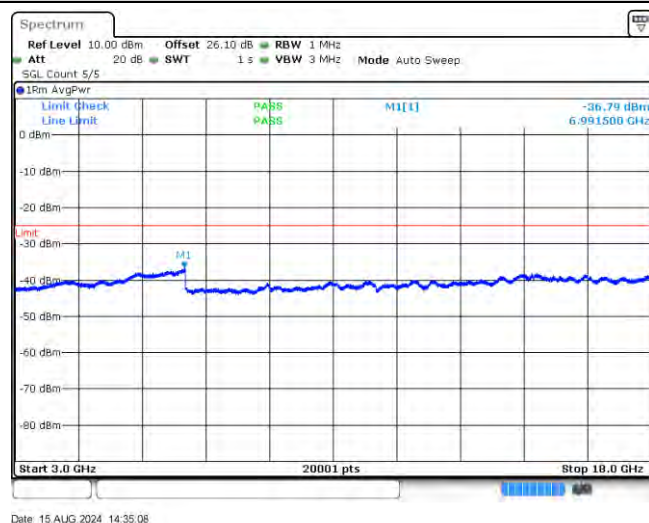
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--48.81--45-PASS



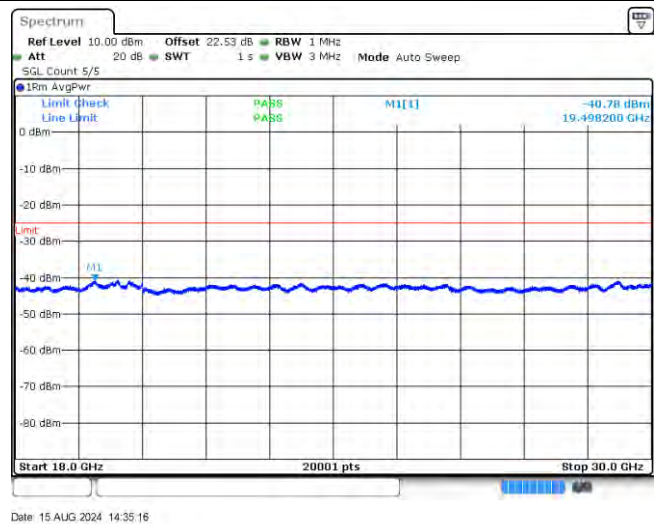
1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-880.21--52.20--35-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2996.30--41.41--25-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-18000-Ant1-16667.25--36.79--25-PASS



1-N41-PC2-30-100-H-1-NS_01-DFT-QPSK-Inner_1RB_Left-1@1-18000-30000-Ant1-19498.20--40.78--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
N41	30	100	DFT-PI2BPSK	M	270@0	VN	NT	12.30	0.00	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	VL	NT	4.00	0.00	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	VH	NT	-8.90	0.00	PASS
N41	30	100	CP-QPSK	M	273@0	VN	NT	3.90	0.00	PASS
N41	30	100	CP-QPSK	M	273@0	VL	NT	-11.70	0.00	PASS
N41	30	100	CP-QPSK	M	273@0	VH	NT	-5.50	0.00	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	-20	7.800000	0.003008	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	50	-6.800000	-0.002622	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	40	8.000000	0.003085	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	10	-11.800000	-0.004551	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	-10	-16.200000	-0.006248	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	-30	-10.400000	-0.004011	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	30	-11.900000	-0.004589	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	0	-14.800000	-0.005708	PASS
N41	30	100	DFT-PI2BPSK	M	270@0	NV	20	-13.900000	-0.005361	PASS
N41	30	100	CP-QPSK	M	273@0	NV	0	-19.600000	-0.007559	PASS
N41	30	100	CP-QPSK	M	273@0	NV	10	-2.300000	-0.000887	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-10	-15.200000	-0.005862	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-20	-4.300000	-0.001658	PASS
N41	30	100	CP-QPSK	M	273@0	NV	50	-5.500000	-0.002121	PASS
N41	30	100	CP-QPSK	M	273@0	NV	30	5.700000	0.002198	PASS
N41	30	100	CP-QPSK	M	273@0	NV	-30	-19.000000	-0.007327	PASS
N41	30	100	CP-QPSK	M	273@0	NV	40	7.700000	0.002970	PASS
N41	30	100	CP-QPSK	M	273@0	NV	20	7.000000	0.002700	PASS

Field Strength of Spurious Radiation

SA Band 41 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	-62.3	-25	-37.3	-67.87	4.57	10.14	Horizontal	Pass
7503.03	-60.5	-25	-35.5	-67.3	4.94	11.74	Horizontal	Pass
10004.04	-56.7	-25	-31.7	-64.27	5.46	13.03	Horizontal	Pass
5002.02	-62.45	-25	-37.45	-68.02	4.57	10.14	Vertical	Pass
7503.03	-60.69	-25	-35.69	-67.49	4.94	11.74	Vertical	Pass
10004.04	-57.4	-25	-32.4	-64.97	5.46	13.03	Vertical	Pass

SA Band 41 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	-63.37	-25	-38.37	-68.97	4.6	10.2	Horizontal	Pass
7643.97	-60.78	-25	-35.78	-67.74	4.95	11.91	Horizontal	Pass
10191.96	-57.34	-25	-32.34	-64.91	5.49	13.06	Horizontal	Pass
5095.98	-63.07	-25	-38.07	-68.67	4.6	10.2	Vertical	Pass
7643.97	-60.69	-25	-35.69	-67.65	4.95	11.91	Vertical	Pass
10191.96	-57.56	-25	-32.56	-65.13	5.49	13.06	Vertical	Pass

SA Band 41 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	-63.21	-25	-38.21	-68.84	4.63	10.26	Horizontal	Pass
7785.0	-59.32	-25	-34.32	-66.44	4.96	12.08	Horizontal	Pass
10380.0	-56.93	-25	-31.93	-64.51	5.52	13.1	Horizontal	Pass
5190.0	-63.08	-25	-38.08	-68.71	4.63	10.26	Vertical	Pass
7785.0	-59.09	-25	-34.09	-66.21	4.96	12.08	Vertical	Pass
10380.0	-56.87	-25	-31.87	-64.45	5.52	13.1	Vertical	Pass

NSA DC_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	-62.45	-25	-37.45	-68.02	4.57	10.14	Horizontal	Pass
7503.03	-60.44	-25	-35.44	-67.24	4.94	11.74	Horizontal	Pass
10004.04	-57.0	-25	-32.0	-64.57	5.46	13.03	Horizontal	Pass
5002.02	-62.01	-25	-37.01	-67.58	4.57	10.14	Vertical	Pass
7503.03	-60.71	-25	-35.71	-67.51	4.94	11.74	Vertical	Pass
10004.04	-57.14	-25	-32.14	-64.71	5.46	13.03	Vertical	Pass

NSA DC_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	-62.91	-25	-37.91	-68.51	4.6	10.2	Horizontal	Pass
7643.97	-60.42	-25	-35.42	-67.38	4.95	11.91	Horizontal	Pass
10191.96	-56.83	-25	-31.83	-64.4	5.49	13.06	Horizontal	Pass
5095.98	-62.57	-25	-37.57	-68.17	4.6	10.2	Vertical	Pass
7643.97	-60.28	-25	-35.28	-67.24	4.95	11.91	Vertical	Pass
10191.96	-56.97	-25	-31.97	-64.54	5.49	13.06	Vertical	Pass

NSA DC_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
5341.98	-62.78	-25	-37.78	-68.45	4.68	10.35	Horizontal	Pass
8012.97	-59.79	-25	-34.79	-67.16	4.98	12.35	Horizontal	Pass
10683.96	-56.93	-25	-31.93	-64.48	5.63	13.18	Horizontal	Pass
5341.98	-62.73	-25	-37.73	-68.4	4.68	10.35	Vertical	Pass
8012.97	-59.27	-25	-34.27	-66.64	4.98	12.35	Vertical	Pass
10683.96	-56.19	-25	-31.19	-63.74	5.63	13.18	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---