

Appendix 01 Restricted Technology Product Lists

No.	Product Name with Description
1.	CCTV Camera/ DVR/NVR- Identification range > 50 m.
2.	Advanced AI Surveillance, Identification, and Intelligence Systems
3.	EO/IR surveillance systems.
4.	EO/IR Systems with Laser Capability.
5.	Smart Interactive Sunglasses.
6.	Advanced or Managed Video Conferencing and Collaboration Systems
7.	High Energy Storage Capacitors
8.	Electronic ICs – Multichip ICs, film-type ICs (including silicon on sapphire), optical ICs, and 3D integrated circuits.
9.	Analogue-to-Digital (ADC) and Digital-to-Analogue (DAC) ICs
10.	Test, Inspection, and Production Equipment (Semiconductor & RF)
11.	Servers With ≥ 5.0 GHz Processor Speed.
12.	High Performance Computing (HPC) Systems
13.	Advanced Computing Architectures
14.	Cyber and Cryptographic Computing Platforms
15.	HPC Test and Benchmarking Equipment
16.	IP Phones (VoIP, PBX, Softphone)
17.	Cordless Telephones – DECT repeaters or IP base stations extend range beyond 400 m.
18.	Media Gateways
19.	IP Network Monitoring Systems
20.	Cellular Signal Repeater s
21.	Network Switches – Switching capacity ≥ 1 Tbps.
22.	Routers & Gateways – Throughput/ Capacity ≥ 10 Gbps.
23.	Firewalls – Throughput, raw packet filtering ≥ 20 Gbps.
24.	Hardware Security Modules (HSM)
25.	Underwater / Specialized Communication Systems
26.	IP Network Communication Surveillance Systems
27.	Advanced Capability Radars
28.	Radar Components and Subsystems
29.	Civil and Commercial Radar Systems
30.	VSAT Systems
31.	Satellite Phones
32.	Satellite Pagers
33.	HF / VHF / UHF RF Power Amplifiers
34.	Public Safety / Walkie-Talkie Radios (VHF/UHF)
35.	Any Frequency Synthesizers
36.	Signal Generators
37.	Signal and Spectrum Analyzers
38.	Shielding and TEMPEST Protection Systems
39.	Solid-State RF Power Semiconductor Devices – for high-power RF systems.
40.	Oscilloscopes
41.	RF Test Chambers
42.	HF/VHF/UHF Antennas
43.	Network Analyzers

44.	Microwave Test Receivers
45.	Industrial, Scientific & Commercial Laser Systems
46.	High Power & Directed Energy Lasers
47.	Tunable Laser Systems
48.	Semiconductor (Diode) Laser Systems
49.	High Power Gas Lasers
50.	Chemical Laser Systems
51.	Fiber Laser Systems and Components
52.	Laser Based Surveillance & Audio Extraction Systems
53.	Laser Rangefinders & Target Designators
54.	LiDAR & Laser Scanning Systems
55.	Optical and Light Sensors
56.	IR Sensors – NIR, SWIR, MWIR, LWIR sensors for night vision or thermal imaging.
57.	Motion & Proximity Sensors
58.	Advanced Multi Sensor Detection Systems – Temperature, gas, flame, smoke, pressure, ultrasonic detectors.
59.	GNSS (Military/Security Grade)
60.	Civilian GNSS Systems, Tracking and Precision Positioning Equipment
61.	Optical Observation Devices (Binoculars) – >8× to <15× magnification.
62.	Night Vision Monocular – 1× to 6× magnification.
63.	Night Vision Goggles – 1× to 3× magnification.
64.	Electronic or Electro-optical Surveying Instruments.
65.	UAV/UAS/Drone Takeoff weight ≥ 50g up to < 1kg