

AN/SSQ-53F DIFAR

SONOBUOY

RELIABLE, CONSISTENT
SEARCH AND
TRACKING SENSOR



01

Passive Directional

The AN/SSQ-53F is a NATO A-size sonobuoy which combines a passive directional and calibrated wide band omni capability into a single multi-functional sonobuoy. This advanced sonobuoy combines the capabilities of both the AN/SSQ-53D and AN/SSQ-57 sonobuoys.

The AN/SSQ-53F is a NATO A-size, multi-function sonobuoy that combines passive directional sensing with calibrated wideband omni capabilities, replacing both the AN/SSQ-53D and AN/SSQ-57.

It operates in three acoustic sensor modes selectable via EFS or CFS. EFS enables pre-launch configuration, and CFS allows in-water adjustments to sensor mode, buoy life, depth, AGC level, and RF channel.

02

Key Features

- 27-305 meters (90 to 1000 ft)
- 96-channel RF Transmitter
- Acoustic Sensors (CSO, CO, DIFAR)

Why Twenty-Six Defense Maritime

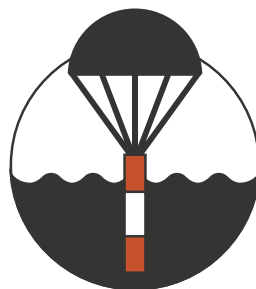
Twenty-Six Defense Maritime, a Twenty-Six Defense company, is a world leader in the design, development, testing and production of complex electromechanical systems and sensors, including Sparton sonobuoys. The company delivers a variety of sensing and advanced analytics capabilities that enable our nation to dominate the maritime domain.

03

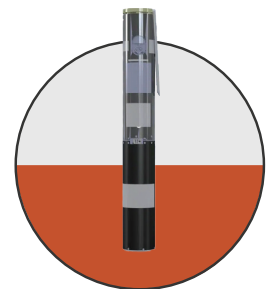
How it Works



The AN/SSQ-53F DIFAR is air launchable from fixed, rotary-wing aircraft or surface vessel.



Descent of the sonobuoy is stabilized and slowed by a parachute.



Begins transmitting upon water entry.

BUILT FOR THE MISSION

AN/SSQ-53F DIFAR
NSN 5845-01-475-9870



04

Physical Characteristics

Weight	8.98 kg (19.8 lbs)
Sonobuoy Launch Container	LAU-126/A

Performance Data

RF Command Receiver	UHF – Single Channel
RF Transmitter Power Output	1 W minimum
Operating Depth	27-305 meters (90-1000 ft)
EFS Selection	RF, Life, Depth, Sensor, and AGC
CFS Selection	RF, Life, Sensor, and AGC
Launch Altitude	12 to 9144 meters (40 to 30000 ft)
Launch Speed	0 to 370 KIAS
Shelf Life	5 years in sealed container