

AN/SSQ-53C DIFAR (G-Size)

Sonobuoy

Type: Sonobuoy

Weight: 5.0 kg

Length: 0.1 m

Span: 0.0 m

Length: 0.1 m

Diameter: 0.0

Generation: None

Sensors / EW:

- AN/SSQ-53C DIFAR - Hull Sonar, Passive-Only, Sonobuoy, Passive-Only Directional Frequency Analysis and Recording (DIFAR), Max range: 9.3 km

Weapons / Loadouts:

- AN/SSQ-53C DIFAR - (G-Size) Sonobuoy.

OVERVIEW: The AN/SSQ-53C DIFAR (Directional Frequency Analysis and Recording) is an "G-size" passive directional sonobuoy.

DETAILS: The AN/SSQ-53C DIFAR is a passive sonobuoy that provides a magnetic bearing to the signal of interest, allowing a fix on a contact with as few as two sonobuoys. It has a directional capability in the 10 Hz-2,400 Hz range, as well as an omnidirectional hydrophone for general listening purposes. It is capable of deploying at preset depths of either 100, 400 or 1,000 feet preset lifetimes of either 1, 3 or 8 hours.

NOTES: The AN/SSQ-53C has identical operating characteristics as the AN/SSQ-53B, but uses a smaller "G-size" container. Included an improved suspension to reduce self-noise. Can be launched at up to 370 knots and up to 40,000 feet altitude.

SOURCES: Friedman, Norman, and Norman Friedman. The Naval Institute Guide to World Naval Weapon Systems, 1997-1998. Annapolis, Md: Naval Institute Press, 2006, pg. 656 ; Federation Of American Scientists -. "AN/SSQ-53

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Directional Frequency Analysis and Recording Sonobuoy." Accessed November 21, 2014.
<http://fas.org/man/dod-101/sys/ship/weaps/an-ssq-53.htm>.