



AN/TPS-59(V)3
Tactical Missile Defense Radar

LOCKHEED MARTIN 

AN/TPS-59(V)3 Radar

Tactical Missile Defense, Early Warning, Situational Awareness

Proven in “live fire” tests, the AN/TPS-59(V)3 radar is the most capable long range radar for TBM detection, tracking, and classification in production today

Lockheed Martin’s AN/TPS-59(V)3 solid-state radar provides an immediate enhanced TMD/early warning capability. Lockheed Martin’s world-wide solid-state radar installation base insures continued system support.

In August 1996, at White Sands Missile Range, the AN/TPS-59(V)3/HAWK system completed a “live fire” test program which included successfully engaging and destroying multiple targets including simultaneously launched multiple ballistic missiles and mixed ballistic and cruise missile targets.

The AN/TPS-59(V)3 can be integrated with other sensors for improved launch and impact point prediction, extended range capabilities, cooperative engagement and joint tactical information distribution.

Developed for the United States Ballistic Missile Defense Organization (BMDO) and the United States Marine Corps, the TPS-59 (V)3 is designed to operate with HAWK and Patriot. It is the most cost effective Early warning, situational awareness and TMD system currently available with successfully validated performance against ballistic missiles as well as air breathing threats.

The radar has been designed to be rapidly transported by truck, helicopter, or C-130 cargo plane.

The TPS-59 radar’s 740 km range and full 360° azimuth scan results in a surveillance volume of 603 million km³ for tactical missile defense.

Features:

- Full 360° coverage
- 400 nmi (720 km) range to 10⁶ ft (305 km) altitude
- Increased alert time for military and civilian personnel
- Accurate launch and impact point determination
- Target classification and debris/missile discrimination
- Effective anti-missile battery cueing
- Increased defended footprint



World-Wide Radar Deployment

Lockheed Martin has deployed more solid-state radars world-wide than any other supplier.

The TPS-59 is an all solid-state L-Band, three-dimensional air defense radar which provides long-range surveillance and ground-control intercept capability in a tactically mobile environment.

With over 126 radars deployed in seventeen countries world-wide, the TPS-59/FPS-117 family of solid-state radars has a record for performance and reliability which is unsurpassed.

TPS-59	USMC	12
TPS-59	Egypt	5
GE592	Belgium	1
Type 92	United Kingdom	2
FPS-117	USAF Hawaii	1
FPS-117	USAF Alaska	16
TPS-59M/34	Egypt	9
FPS-117	Saudi Arabia	17
FPS-117	Korea	8
FPS-117	Canada	15
FPS-117	Kuwait	1
FPS-117	Southeast Asia	2
FPS-117	Belgium	1
FPS-117	Mid-East	3
TPS-117	Brazil	6
FPS-117	Iceland	5
FPS-117	Germany	9
FPS-117	Italy	4
FPS-117	Turkey	3
FPS-117	Asia	1
FPS-117	Romania	5

For more information about our AN/TPS-59 radar, contact Lockheed Martin Maritime Systems & Sensors P.O. Box 4840 Syracuse, New York 13221 USA Phone: 315-456-1990 Fax: 315-456-0530 Visit our web site at: www.lockheedmartin.com/ms2