

## AN/TRC-113(V)1 Radio Repeater Set

\* DIVISION 2VL

Status: STD-A; NSN: 5820-00-868-8211

Reference: TM 11-5820-562-14

### General Information

The AN/TRC-113 is an air- or vehicular-transportable radio repeater set which provides radio repeater or radio terminal facilities for LOS systems in forward areas. It can be used as a 6- or 12-channel PCM radio repeater; or as three 12-channel PCM radio terminals; or as one 12- or 24-channel PCM cable repeater. A telephone terminal such as the AN/TCC-65 is required when the AN/TRC-113 is used in split terminal configuration. The radio antennas are carried on the generator trailer.

### Major Components

Nomenclature	113(V)1	113(V)2	113(V)3	113A(V)1	113A(V)2	113A(V)3
Radio Set						
AN/GRC-103(V)1	3			3		
Radio Set						
AN/GRC-103(V)2		3			3	
Radio Set						
AN/GRC-103(V)3			3			3
Multiplexer						
TD-204/U	3	3	3			
Multiplexer						
TD-754/G				3	3	3
Telephone Set						
TA-312/PT	1	1	1	1	1	1
Intercom Station						
LS-147F/FI	1	1	1	1	1	1

### Technical Characteristics

Frequency and Power Output:

Band 1-----220 to 404.5 MHz; 25 W  
 Band 2-----394.5 to 705.0 MHz; 15 W  
 Band 3-----695.0 to 1000 MHz; 15 W  
 Power Requirement-----115 V AC, 50 to 60 Hz  
 Power Consumption-----5,000 W  
 Weight-----579 kg (1,275 lb)  
 Vehicular Requirement-----One 1 1/4-ton truck

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