

Abstracts

Microwave Radio Relay Link for Military Use

S. Metzger. "Microwave Radio Relay Link for Military Use." 1954 *Transactions on Microwave Theory and Techniques* 2.1 (Apr. 1954 [T-MTT]): 84-88.

Radio set AN/TRC-29 is the nomenclature for a frequency-modulated microwave radio link equipment designed for military use. It transmits in the band from 1700 to 2400 megacycles and will accept input signals between 30 cycles and 4.5 megacycles. In most cases, It will probably be used in conjunction with Multiplexer Set AN/TCC-13. This latter unit, which will also be described, is a pulse-position-multiplex equipment providing 23 voice channels. Facilities are included so that two multiplexer sets can be combined to provide 46 voice channels for transmission over one radio set. In place of 46 voice channels, the radio set can be used for transmission of radar signals. It can also carry television signals, but direct-current reinsertion amplifiers would be necessary in approximately every third station. Various other types of signals whose bandwidth lies within the 30-cycle-to-4.5-megacycle range can also be carried.

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