

MATCO Inc.

Wireless Development Group

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Rev. B

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ASK-2004-TR-1.2

DESCRIPTION

The ASK-2004-TR-1.2 is comprised of two parts. The ASK-2004-T-1.2 is the transmitter and the ASK-2008-R-1.2 is the receiver. The transmitter has both a metal-can RF section that is soldered into a PC Board and a separate connector board. Presently, two standard straight 3" $\frac{1}{4}$ wave antennas are included for both Transmitter and Receiver. Antennas are connected via a screw-in SMA male connector that attaches to the mating SMA female connector on the transmitter and receiver. Power supplies and battery packs are optional equipment.

The Receiver is contained entirely on one board.

FREQUENCY SELECTION

An eight position switch is employed to select any of eight frequencies, all located in the microwave region. They are selected by moving the appropriate dip switch to the **ON** position, keeping the other switches **OFF**. The ASK-2004-T-1.2 transmitter uses only four of the receivers eight possible frequencies, see chart below.

Both the receiver and transmitter should be set to the same channel number:

TX CHANNEL SELECTION

SW1-1	SW1-2	SW1-3	SW1-4	Channel/ Frequency
ON				Channel 1/ 1290 MHz
	ON			Channel 2/ 1280 MHz
		ON		Channel 3/ 1275 MHz
			ON	Channel 4/ 1270 MHz

RX CHANNEL SELECTION

CHANNEL # on TX	DIP SWITCH POS. on RX	FREQUENCY
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	1	8	1290 MHz
	2	7	1280 MHz
	3	6	1275 MHz
(Default)	4	5	1270 MHz