

Operational Description

Project Number: 01069-10

Prepared for:

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By

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TYPE CERTIFICATION

Wireless Speakers Transmitter
Model Number WS920

THEORY of OPERATON

Core Technology Wireless Speakers Transmitter Model Number WS920

The **Wireless Speakers Transmitter**, Model Number WS920, is a simple FM transmitter, which provides a wireless connection for speakers to the audio source, such as a stereo, radio or other source. It transmits a maximum of 1 mW using Synchronized RF modulation.

The Left and Right speaker inputs are feed to a switch, which is gated by a Sync. Generator, operating at 58 kHz. The combined input, with synchronization pulses are then sent to a 900MHz Phase Lock Loop. The output of the PLL is sent to the MMIC RF Amp. An 1100 MHz Low Pass Filter removed higher order harmonics and other noise before the transmitting antenna receives the output signal.