



**MMWL-007**

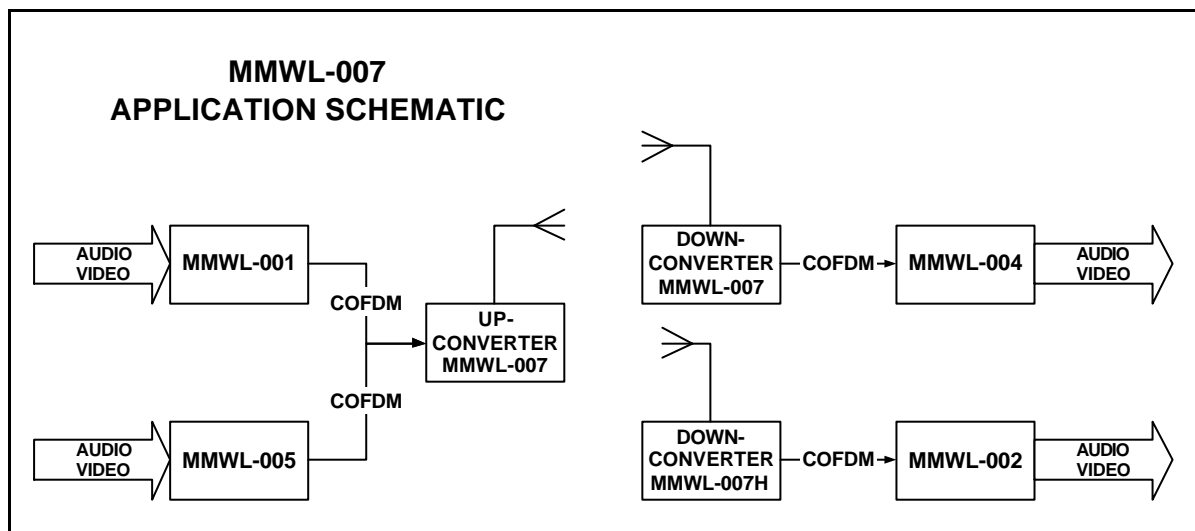
**2.5 GHz Frequency Agile RF Link for COFDM**

MMWL-007 is a frequency agile 2.5 GHz link evaluation system supplied by M.B. International.

Reduced size and low power consumption make it useful for testing mobile applications of COFDM Wireless Camera Links in the 2.5 GHz band.

MMWL-007 is provided to demonstrate the high quality available using COFDM M.B. International solutions.

MMWL-007 is the test companion up/down converter to 2.5 GHz band for the MMWL-series of COFDM evaluation systems.



MMWL-007 can be used to test MMWL-001 or MMWL-005 modulation systems with MMWL-004 demodulation system.

MMWL-007H can be used to test MMWL-001 or MMWL-005 modulation systems with MMWL-002 demodulation system.

MMWL-007 RF evaluation system is composed of:

- 1. IF to 2.5 GHz up-conversion
- 2. 2.5 GHz to IF down conversion



**Inputs / Outputs**

Up conversion:

1. 36 MHz IF input
2. 2.5 – 2.65 GHz output

Down Conversion

1. 2.5 GHz input
2. IF output
  - a. MMWL-007 IF Output = 36 MHz
  - b. MMWL-007H: High IF Output 700 MHz for MMWL-002 demodulator

Specs:

1. Double conversion system 2.5 - 2.7 GHz band
2. IF input Level = -16 dBm
3. QPSK mode Output Power: = 100 mW
4. Channel filter = 150 MHz wide
5. Output Frequency selectable among 20 channels

Other Performances:

1. Single 12 V unregulated power supply

**Options:**

MMWL-007	Evaluation System
MMWL-007-H	Evaluation System
MMWL-007-37	37 dBm output option
MMWL-007-LNA	LNA module
MMWL-007-AGC	LNA + AGC module