10 MHz OCXO

Verticom Synthesizer 10.43 GHz LO

Low side Pcom Tx Module

QC Synthesizer 2640 MHz

2 meter or 70 cm all mode radio

Connected to mixer IF port

Harmonic mixer with feed and 8-12" Stop Light Reflector

Approach using PCOM module for driving mixer at 23.5 GHz

Approach for driving mixer directly with Verticom output at 9.41 GHz

Key for CW contact

Pa +5V Key for CW contact

Pa +12V Pa +12V

Connected to mixer LO port

Connected to mixer LO port

2 meter or 70 cm all mode radio

Tx IF +10 dBm Max

Block diagram of 47 GHz rigs used by SDMG

N6IZW - 11-21-03