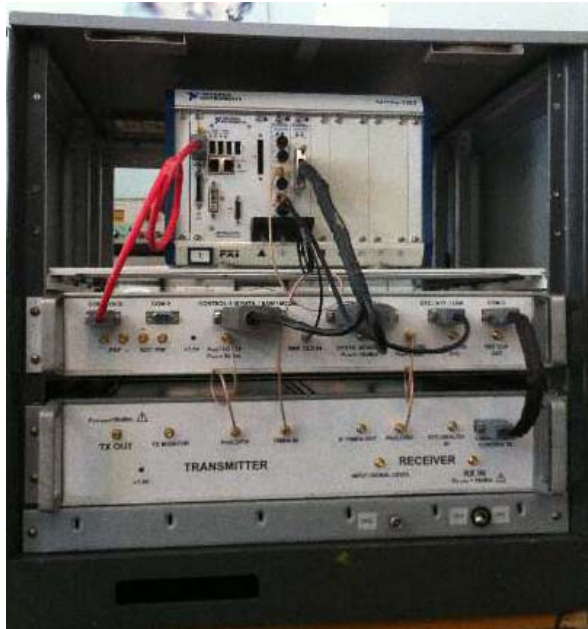




Signal Former SF-1

Modulation: LFM, AM (DDS @ 70MHz)
PRF: 250Hz (DC 0.5/1/5/7 %)
Bandwidth: 50/200/1000 kHz
Chip duration: 20nsec
IF output power: -6dBm

Transmitter
Frequency Range : 420 to 450 MHz
Pout : 27dBm (pulse)
SFDR \geq 60dB
IF input @ 70MHz
Pin $<$ -27dBm



Receiver
Frequency Range 420MHz to 450MHz
Receiver NF \leq 3dB
Pin damage pulse 33dBm ($\tau \leq$ 10uS)
Limiter out leakage 5dBm
Switchable Input LNA 20dB/0dB ($<$ 50ns)
IF Analog STC Level 0dB/43dB (5us)
Discreet attenuator 0dB/30dB ($<$ 50ns)
IF SAW Filter BW 0.8MHz/3.2MHz

Heterodyne
Frequency Range – 490MHz to 520MHz (1MHz step)
Output Power – 3dBm
Phase Noise @ 100 Hz offset – 92dBc/Hz
Lead time – 20 weeks

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