



NOTE: DIGITAL radios can only be tested in the Analog Mode. A digital Radio must be programmed with the same frequencies and tested in the Analog Mode.

REPEATER SITE COMMISSIONING		
Customer Name		
Site Location		
Technician		
Date		
Transmitter/Duplexer/Antenna		
1	Connect the Wattmeter between the Repeater and the Duplexer. Measure the Forward Power. Measure the Reflected Power. From the SWR Chart record the SWR	Forward Power
		Reflected Power
		SWR
2	Connect the Wattmeter between the Antenna and the Duplexer. Measure the Forward Power. Measure the Reflected Power. From the SWR Chart record the SWR	Forward Power
		Reflected Power
		SWR

Site Noise/Receiver Desense		
1	Connect the Generator, SINAD Meter and Load as shown. Disable the Repeater Transmitter. Generate a signal to obtain a SINAD reference level. Record the Generator Signal Level	dB or MicroVolts
2	Disconnect the Load and connect the Antenna. Increase the Generator signal to obtain the same SINAD reference Level used in Step 1. Record the Generator Level.	dB or MicroVolts
3	Calculate the Site Noise level. Subtract Step 1 from Step 2. Site Noise Level	dB or MicroVolts
4	Key the Transmitter. Increase the Generator Signal to obtain the same SINAD reference level. Record the Generator output.	dB or MicroVolts
5	Calculate the Repeater Desense. Subtract Step 1 from Step 4. Repeater Desense. (0-2 dB typical)	dB or MicroVolts