Test Writer:	Jeff Roman						Bla	ck box	Test goal: maximum gain
Test Case Name:	Audio Prear		Test ID:			33dB, 500mV output from			
Description:	Verify ampl	10mV input, when							
	feedback pot fully turned.								
Name of Tester:		Hardware Version: Date:							7
Setup:	>9V DC pow	•							
	follows. Function generator to audio input, scope on.								
Equipment Needed:		DC Power Su							
			Test Resul	ts					
Test:	lı	nput	Feedback	Expecte	Pass	Fail	N/A	Comments	
			Pot Turns %						
	Frequency	Amplitude		Frequency	Amplitude				
	100Hz	10mV	0%	100Hz	0V				
	1kHz	10mV	0%	1kHz	0V				
	10kHz	10mV	0%	10kHz	0V				
	20kHz	10mV	0%	20kHz	0V				
	100Hz	10mV	100%	100Hz	>300mV				
	1kHz	10mV	100%	1kHz	>300mV				
	10kHz	10mV	100%	10kHz	>300mV				
	20kHz	10mV	100%	20kHz	>300mV				
	_	_	<u> </u>	Overall	Test Results:				

Test Writer:	Jeff Roman						Bla	ck box	Test Goal: Full frequency
Test Case Name:	Local Oscillator Performance Test								response of antenna
Description:	Characteriz	e performance	oscillator for tuning the RF						
		reference oscillator.							
Name of Tester:		Hardware Version: Date:							
Setup:	>9V DC power on PCB, antenna fully extended and stabilized in a po								Notes: If oscillation ceases
	where phys	sical proximity is	or fundamental frequency						
	following r	mixer stage, spe	jumps, may need to reach						
	engineer places hand at a stable distance from antenna, the other re						Time		out and physically touch
Resources	Two eng	ineers. DC Powe	the antenna. Add to						
Needed:	Two engineers. DC Power Supply, Oscilloscope, Spectrum Analyzer, meter stick.								comments if this occurs.
	1								
Test:							Fail	N/A	Comments
	Distance	Fundamental	Fundamental	Signal	Amplitude				Failure defined as
	from	Frequency	Signal	Strength at					oscillation frequency being
	Antenna		Strength	2nd					grossly unstable or
				harmonic					uncorrelated to antenna
									proximity. Record
									comments on signal
									appearance.
	1cm								
	10cm								
	20cm								
	30cm								
	40cm								
	50cm								
	60cm								
	70cm								
				Overall 1	est Results:				