Test Writer:	Jeff Roman						Bla	ack box	Test goal: maximum gain
Test Case Name:	Audio Preamplifier Functional Test								33dB, 500mV output from
Description:	Verify ampli	10mV input, when feedback							
			Test Informa	tion					pot fully turned.
Name of Tester:	Hardware Version: Date:								7
Setup:	>9V DC power on PCB, preamplifier isolated from AM mixer stage which follows. Function generator to audio input, scope on. Time:								1
Equipment Needed:									
			Test Result	ts					
Test:	Input		Feedback Pot Turns %	Expected Output		Pass	Fail	N/A	Comments
	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>	Overal	Test Results:				

Test Writer:	Jeff Roman						Black box		Test Goal: Full frequency				
Test Case Name:	Local Oscillator Performance Test								response of antenna				
Description:	Characteriz	oscillator for tuning the RF											
			Test Informa	ition					reference oscillator.				
Name of Tester:			Hardware Vers	sion:		Date:			1				
Setup:	>9V DC pov physical pro following n places hand	Notes: If oscillation ceases or fundamental frequency jumps, may need to reach out and physically touch the antenna. Add to comments if this occurs.											
Resources Needed:	Two engi												
	Test Results												
Test:						Pass	Fail	N/A	Comments				
	Distance from Antenna	Fundamental Frequency	Fundamental Signal Strength	Signal Strength at 2nd harmonic	Amplitude				Failure defined as oscillation frequency being grossly unstable or uncorrelated to antenna proximity. Record comments on signal appearance.				
	1cm												
	10cm												
	20cm												
	30cm						ļ						
	40cm	<u> </u>											
	50cm												
	60cm												
i i	70cm		1		1		1	1	1				