Test Writer:	Jeff Roman					Test Type Black box		ck box	Test goal: maximum gain	
Test Case Name	Audio Preamplifier Functional Test					Test ID:	D:		33dB, 500mV output	
Description:	Verify amplification of input signal from no output to 30db							from 10mV input, when feedback pot fully turned.		
	rest information									
Name of Tester:									_	
Setup:	>9V DC power on PCB, preamplifier isolated from AM mixer stage which follows. Function generator to audio input, scope on. Time									
Equipment Needed:	DC Power Supply, Function Generator, Oscilloscope.									
Test Results										
Test:	Input		Pot Turns %		d Output Pass		Fail	N/A	Comments	
	Frequenc y	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					
				Overall Te	st Results:					
	Jeff Daman						Dia	alı bası	Took Cook Full from your over	
Test Writer:	Jeff Roman Test Type: Bla Local Oscillator Performance Test Test ID:						ck box	Test Goal: Full frequency response of antenna		
Description:									oscillator for tuning the	
Test Information									RF reference oscillator.	
Name of Tester:	Hardware Version: Date:								Notes: If oscillation	
Setup:	>9V DC power on PCB, antenna fully extended and stabilized in a position where physical proximity is easily measurable. Oscillator isolated from following mixer stage, spectrum analyzer probing oscillator output. One engineer places hand at a stable distance from antenna, the other records							ceases or fundamental frequency jumps, may need to reach out and physically touch the antenna. Add to comments if this occurs.		
Resources Needed:	Two engineers. DC Power Supply, Oscilloscope, Spectrum Analyzer, meter stick.									
	Test Results									
Test:						Pass	Fail	N/A	Comments	
	Distance from Antenna	Fundament al Frequency	Fundamenta I 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									
	40cm									
	50cm									
	60cm									
	70cm									
				Overall Te	st Results:					