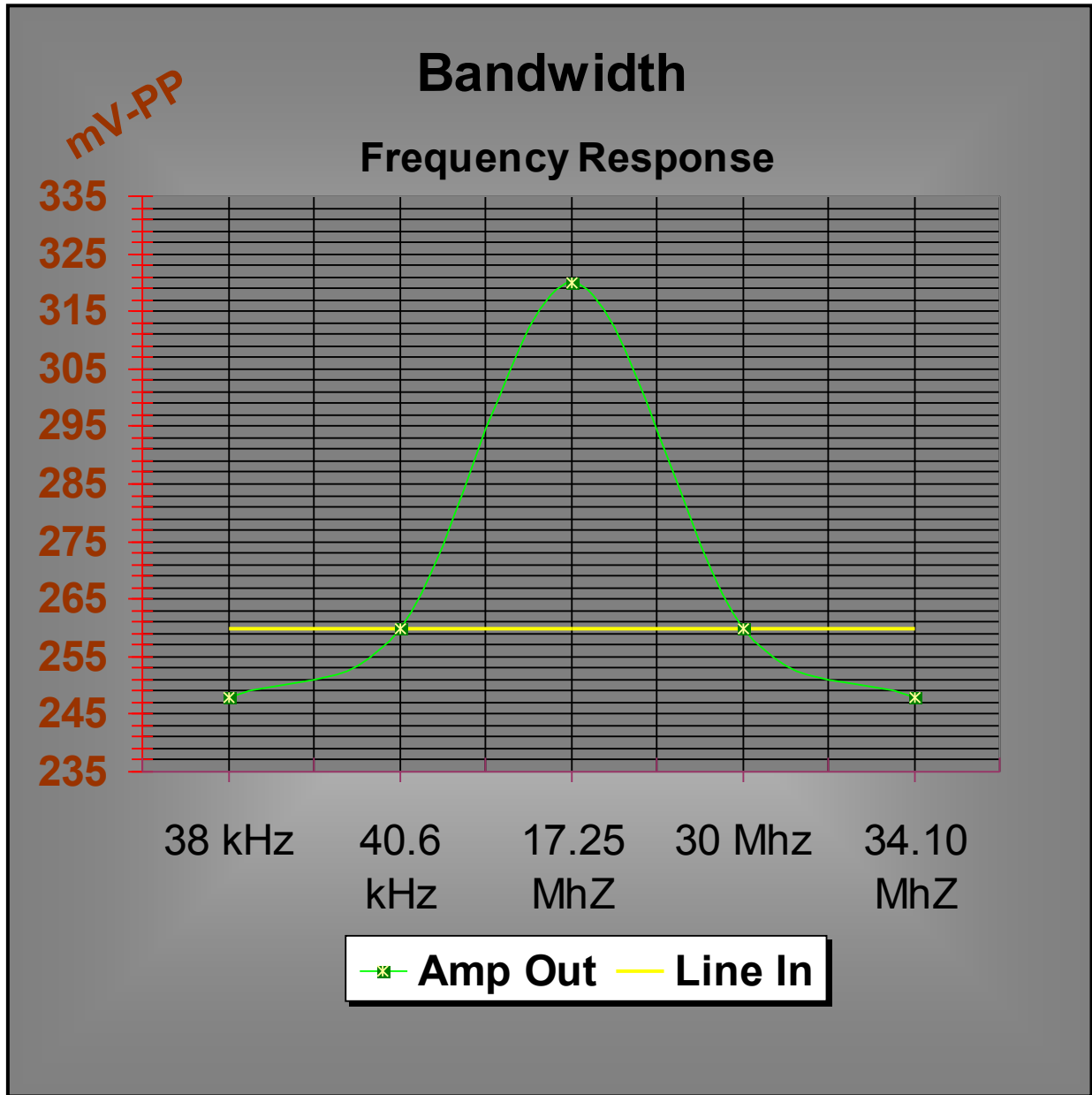


BROAD BAND PRE-AMPLIFIER BENCH MARK TEST
As set up by KC90XP



Frequency Response in Graph Form



	38 kHz	40.6 kHz	17.25 MHz	30 MHz	34.10 MHz	Voltage Scale
Amp Out	248	260	320	260	248	mV
Line In	260	260	260	260	260	

*Low side margin of error +/- 1 kHz.

*High side margin of error +/- 50 kHz.

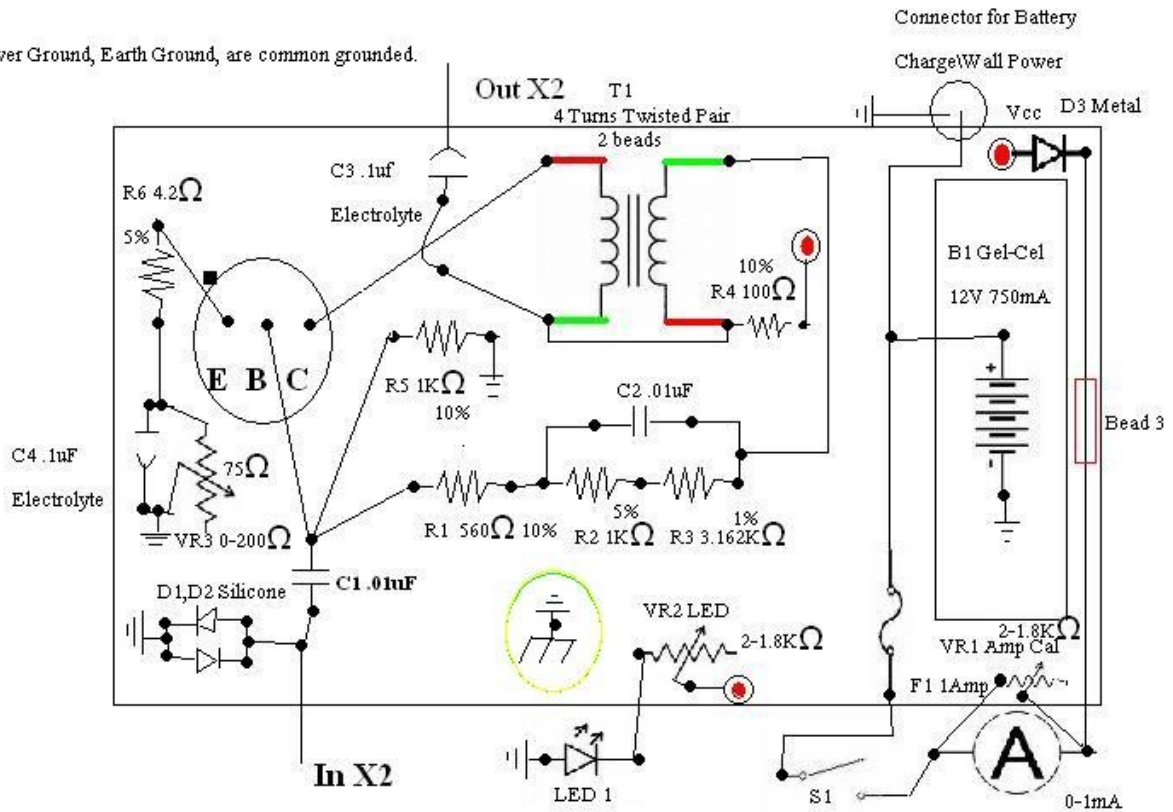
*RF source is an analog linear scale tuning.

Schematic for the way I have it set up.

180M-10M Pre-Amp

KC9OXP's Set-up

Power Ground, Earth Ground, are common grounded.



*Diodes may have been drawn backwards.

Other technical and testing information.

Lowest Frequency #1	40.6 kHz							
Highest Frequency #1	30.00 MHz							
Bandwidth	29.9594 MHz							
Battery Voltage @ test.	10.03 V					RMS Volt	RMS uW	
Board Voltage @ test.	9.16 V							
Board Current @ test.	12 mA							
Board Wattage @ test.	109.92 mW							
Phase Delay @ test. #2	15* Deg. ←							
PP Voltage of output @ test. #3	360 mV					0.12726	323.9	
PP Voltage of input @ test. #4	260 mV					0.09191	168.949	
RF Type	A.M.							
RF Modulation %	15%							
RF Modulation Frequency.	1 kHz							
<i>Sub notes:</i>								
#1		Minimum or maxim frequency that can be put in with a 1:1 or higher gain.						
#2		Out put measured on an oscilloscope as being 15* degrees behind input.						
#3		PP voltage measured at center point of the bandwidth.						
#4		PP voltage adjusted through out the scale to remain the same into the input.						
	38 kHz	40.6 kHz	17.25 MHz	30 MHz	34.10 MHz	Voltage Scale		
<u>Amp Out</u>	248	260	320	260	248	mV		
<u>Line In</u>	260	260	260	260	260			