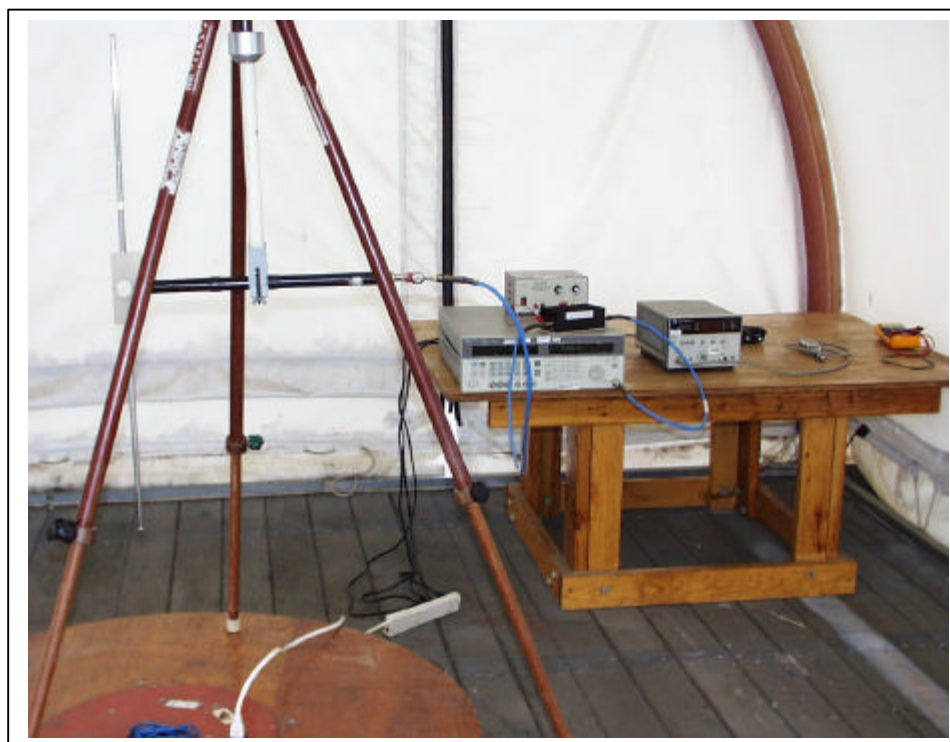
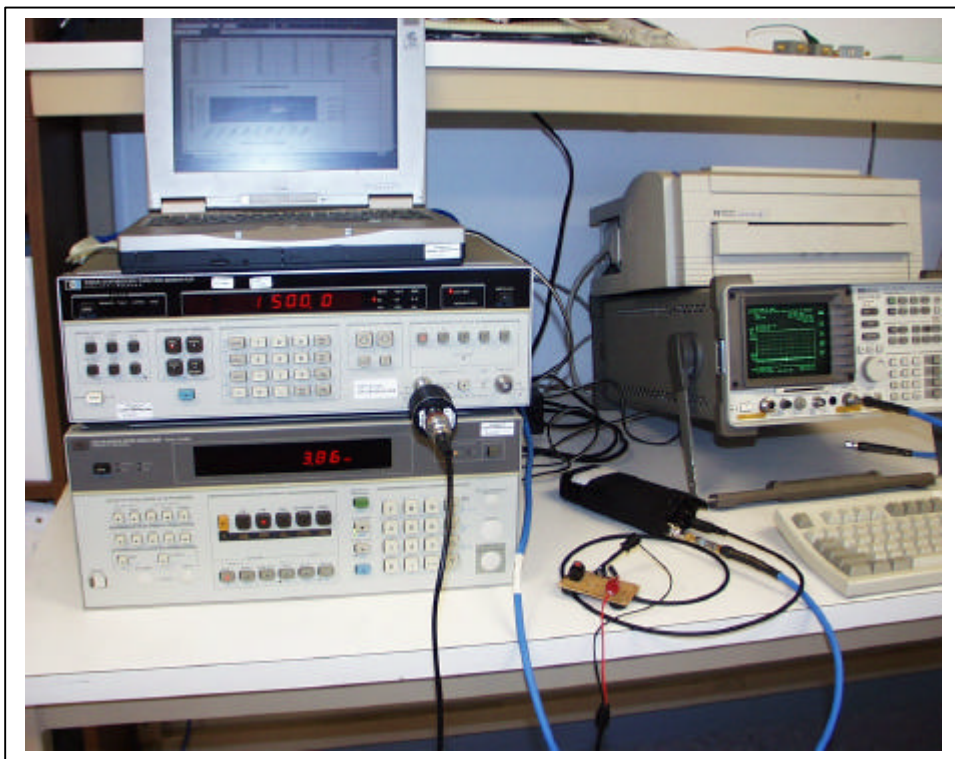


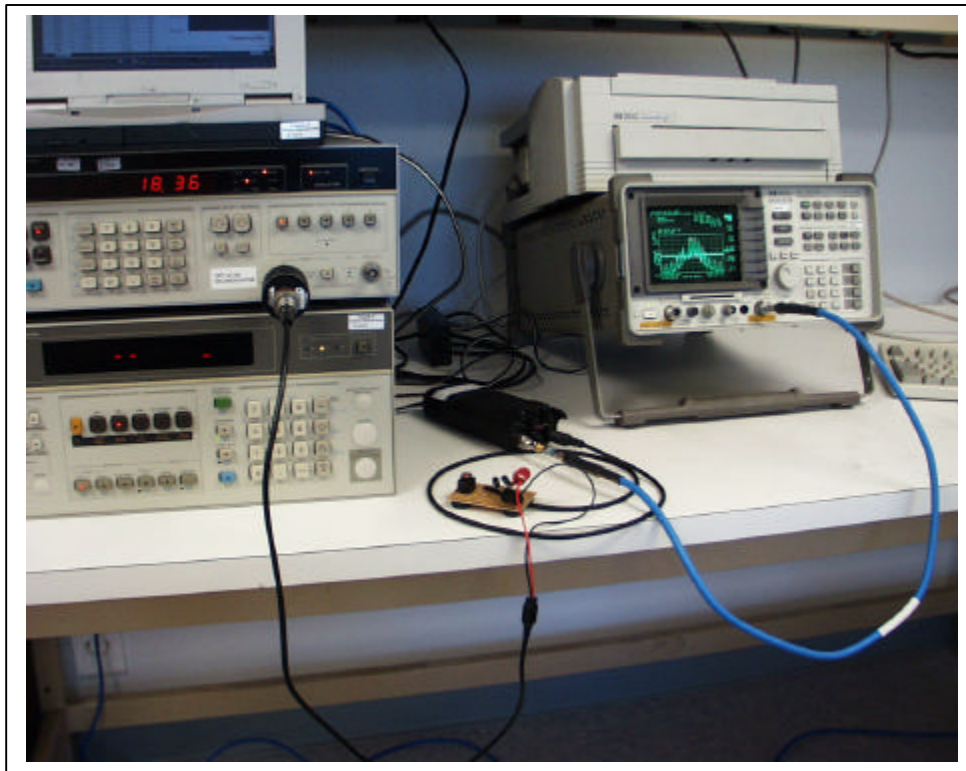




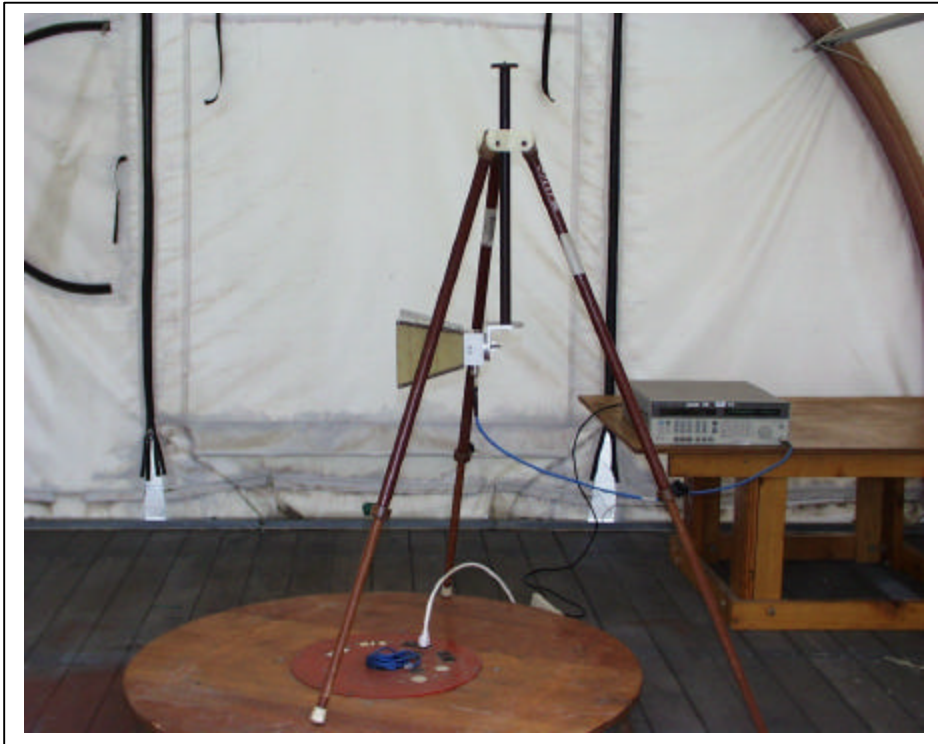
5.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Modulation Analyzer	HP	8901b	5/30/02
Attenuator	MINI CIRCUITS	MCL BW-S10W2	N/A
Audio Signal Generator	HP	3325A	9/26/02

5.4. MEASUREMENT RESULT









Reference Frequencies: 20°C @ 162.024972MHz Limit: to stay within ± 5 ppm (810.12Hz)		
Environment Temperature (°C)	Power Supplied (Vac)	Frequency deviation measured with time elapse
		Hz
50	Fixed 115Vac	+56
40	Fixed 115Vac	+5
30	Fixed 115Vac	+5
20	Fixed 115Vac	0
10	Fixed 115Vac	-5
0	Fixed 115Vac	-44
-10	Fixed 115Vac	-36
-20	Fixed 115Vac	-45
-30	Fixed 115Vac	-42

- b). Frequency stability versus input voltage (battery operation end point voltage is 7.2 Vdc)



Reference Frequency: 9Vdc @ 162.024930 MHz		
Limit: to stay within ± 5 ppm (810.12Hz) Limit: to stay within ± 5 ppm (810.12Hz)		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency deviation measured with time elapse
		Hz
24	7.65	-13
24	9.00	0
24	10.35	-13
24	7.2 (End Point Voltage)	-13

