


DATE: 9-19-61		TMC SPECIFICATION NO. S-623	E
SHEET 1	OF 2		
R.P.S. COMPILED	R.P.S. CHECKED	TITLE: ALIGNMENT OF CONVERTER IN HEI-1	
APPROVED 			

A. EQUIPMENT REQUIRED

1. VTVM with a 100K ohm resistor in series with probe tip.
2. R.F. signal generator Model 82 or equivalent.

B. ALIGNMENT

1. Adjust signal generator to 250 kc at 0.05 volt out.
2. Connect coaxial cable from signal generator to J6205.
3. Connect VTVM using lowest scale, to pin 1 of V6201.
4. Temporarily connect a lead from chassis ground to lug next to number R6205 (100K resistor.)
5. Turn bottom slug of T6202 fully counter-clockwise.
6. Adjust top slug of T6202 for maximum voltage.
7. Adjust bottom slug of T6202 for minimum voltage.
8. Reduce signal generator to 0.01 volt out.
9. Remove 100K resistor from VTVM probe tip and connect probe to TP6201.
10. Adjust T6203 for maximum deflection on VTVM.
11. Output voltage at TP6201 should be 0.28 volts \pm .05 volts.
12. Total bandwidth at 3db points should be 20 kc \pm 1 kc.
13. Remove temporary lead between chassis ground and R6205.
14. This completes alignment of converter.

SUPERSEDED
BY S-722

DATE 8/21/62

SHEET 2 OF 2

TMC SPECIFICATION NO. S -623

E

FRD
COMPILED

CHECKED

TITLE: ALIGNMENT OF CONVERTER IN HFI-1

APPROVED

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, N. Y.

HFI-1 CONVERTER TEST DATA SHEET

SERIAL NO. _____

MFG. NO. _____

ALIGNMENT _____ O.K.

TP 6201 Output Voltage
With .01 VRMS Input _____ VRMS

Total Bandwidth at 3 db Points _____ Kc

DATE _____

TESTER _____

