

<u>Function</u>	<u>Remote Jack/Pin No.</u>	<u>Interface Type</u>
Exciter Enable Interlock	J7-1	J7-1 & 2 Must Be Jumpered Together For Normal Operation.
Exciter Enable Interlock Rtn.	J7-2	

Transmitter Remote Metering:

Combined Visual Power	J10-7	1V Full Scale At 1k Ω Source Resistance
Combined Visual Power Rtn	J10-8	
Combined Aural Power	J10-5	1V Full Scale At 1k Ω Source Resistance
Combined Aural Power Rtn	J10-6	
Combined Reflected Power	J10-9	1V Full Scale At 1k Ω Source Resistance
Combined Reflected Power Rtn	J10-10	
Exciter Output	J9-26	1V Full Scale At 1k Ω Source Resistance
Exciter Output Rtn	J9-27	

Exciter Remote Control Commands:

Exciter Operate (Enable)	J8-3	Contact Closure
Exciter Standby/Operate Rtn.	J8-2	
Exciter Standby (Disable)	J8-1	Contact Closure
Exciter Auto	J8-6	Contact Closure
Exciter Auto/Manual Rtn.	J8-5	
Exciter Manual	J8-4	Contact Closure
Modulator Select	J8-10	Contact Closure
Modulator Select Rtn	J8-11	
Power Raise (Optional)	J9-6	Contact Closure
Raise/Lower Rtn. (Optional)	J9-5	
Power Lower (Optional)	J9-4	Contact Closure

Exciter Remote Status Indications:

Exciter Auto Mode Indicator	J9-30	50ma Max. Current Sink
Auto/Manual Mode Ind. Rtn	J9-31	
Exciter Manual Mode Indicator	J9-32	50ma Max. Current Sink
Operate Indicator	J9-1	50ma Max. Current Sink
Operate/Standby Ind. Rtn	J9-2	
Standby Indicator	J9-3	50ma Max. Current Sink
Exciter VSWR Cutback Indicator	J8-7	50ma Max. Current Sink

Exciter Remote Status Indications: - Continued

Video Loss Indicator	J9-7	50ma Max. Current Sink
Video Loss Indicator Rtn	J9-8	
Receiver Fault Ind.	J8-9	50ma Max. Current Sink

Side A Driver Remote Metering:

Side A Driver Output Power	J10-1	1V Full Scale At 1k Ω
Side A Driver Output Power Rtn	J10-2	Source Resistance

Side B Driver Remote Metering:

Side B Driver Output Power	J10-3	1V Full Scale At 1k Ω
Side B Driver Output Power Rtn	J10-4	Source Resistance

Side A Remote Metering:

Side A Forward Power	J10-14	1V Full Scale At 1k Ω
Side A Forward Power Rtn	J10-15	Source Resistance
Side A Reflected Power	J10-16	1V Full Scale At 1k Ω
Side A Reflected Power Rtn	J10-17	Source Resistance

Side B Remote Metering:

Side B Forward Power	J10-20	1V Full Scale At 1k Ω
Side B Forward Power Rtn	J10-21	Source Resistance
Side B Reflected Power	J10-18	1V Full Scale At 1k Ω
Side B Reflected Power Rtn	J10-19	Source Resistance

Side A Plus B Remote Metering:

Reject Power	J10-11	1V Full Scale At 1k Ω
Reject Power Rtn	J10-12	Source Resistance

The above connections are made to Jack (J9), the 37 Position "D" Connector, to Jack (J10), the 25 Position "D" Connector, to Jack (J8), the 25 Position "D" Connector Or to Jack (J7), the 9 Position "D" Connector, located on (A9) the Remote Interface Assembly (1245-1801) mounted at the Top, Rear of the Single UHF Exciter Cabinet.

(A2 and A3) Amplifier Array Assembly Remote Metering

for 4 kW, 5 kW & 6 kW		
(A1) UHF Amp Tray Refl Pwr	J5-2	1V Full Scale At 1k Ω
(A1) Reflected Power Rtn	J5-1	Source Resistance

(A2 and A3) Amplifier Array Assembly Remote Metering - Continued

for 4 kW, 5 kW & 6 kW - continued

(A1) UHF Amp Tray Fwrld Pwr	J5-4	1V Full Scale At 1k Ω
(A1) Forward Power Rtn	J5-3	Source Resistance
(A2) UHF Amp Tray Refl Pwr	J5-6	1V Full Scale At 1k Ω
(A2) Reflected Power Rtn	J5-5	Source Resistance
(A2) UHF Amp Tray Fwrld Pwr	J5-8	1V Full Scale At 1k Ω
(A2) Forward Power Rtn	J5-7	Source Resistance
(A3) UHF Amp Tray Refl Pwr	J5-9	1V Full Scale At 1k Ω
(A3) Reflected Power Rtn	J5-10	Source Resistance
(A3) UHF Amp Tray Fwrld Pwr	J5-11	1V Full Scale At 1k Ω
(A3) Forward Power Rtn	J5-12	Source Resistance
(A4) UHF Amp Tray Fwrld Pwr	J5-13	1V Full Scale At 1k Ω
(A4) Forward Power Rtn	J5-14	Source Resistance
(A4) UHF Amp Tray Refl Pwr	J5-15	1V Full Scale At 1k Ω
(A4) Reflected Power Rtn	J5-16	Source Resistance
For 5 kW & 6 kW		
(A5) UHF Amp Tray Fwrld Pwr	J5-17	1V Full Scale At 1k Ω
(A5) Forward Power Rtn	J5-18	Source Resistance
(A5) UHF Amp Tray Refl Pwr	J5-20	1V Full Scale At 1k Ω
(A5) Reflected Power Rtn	J5-21	Source Resistance
For 6 kW		
(A6) UHF Amp Tray Fwrld Pwr	J5-22	1V Full Scale At 1k Ω
(A6) Forward Power Rtn	J5-23	Source Resistance
(A6) UHF Amp Tray Refl Pwr	J5-24	1V Full Scale At 1k Ω
(A6) Reflected Power Rtn	J5-25	Source Resistance

The above connections are made to Jack (J5), the 37 Position "D" Connector located on (A11) the Remote Interface Panel mounted at the Top, Rear of each of the Amplifier Array Cabinets.