

Technical Service Bulletin 041013

Weekly Paragon Transmitter Log

This bulletin provides basic transmitter log sheets for the weekly recording of transmitter readings and maintenance activities for the DCX Paragon Series of ATSC television transmitter. By photocopying the attached sheets fifty-two times, a year-long transmitter maintenance log may be created. Maintaining an accurate transmitter log is crucial to quickly and efficiently diagnosing any problems that might arise in the future.

These log sheets are provided free-of-charge as a courtesy of Comark.

At Comark, we are constantly striving to improve the satisfaction of both our new and existing customers. Please do not hesitate to contact Comark Customer Service with any questions you may have concerning the contents of this service bulletin.

Comark Communications
104 Feeding Hills Road
Southwick, MA 01077 U.S.A.
1-(800) 345-9295
<http://www.comarktv.com/>

PARAGON WEEKLY LOG

STATION: _____ CHAN: _____ MODEL: _____

DATE: _____ TIME: _____ ENGINEER: _____

		EXC A	EXC B
System Forward Power	%		
System Reflected Power	%		
Signal-Noise Ratio at System Output	dB		
IMD Sideband Level at System Output	dB		
Exciter on air	A/B		
RF Power Level at Exciter Output	dBm		
Exciter Auto-switchover Verified	Y/N		

		V1	V2	V3	V4
Flange Power	kW				
Forward Power	%				
Reverse Power	%				
Driver Forward Power	W				
Driver Reverse Power	W				
IMD Sideband Level at HPA Output	dB				
IMD Sideband Level at IPA Output	dB				
Beam Volts @ Tap #	kV				
Beam Current -Cold Idle	mA				
Beam Current -Hot Idle	mA				
Beam Current -Program	A				
Beam (Cathode) Current	A				
Collector 1	Voltage	V			
	Current	A			
Collector 2	Voltage	V			
	Current	A			
Collector 3	Voltage	V			
	Current	A			
Collector 4	Voltage	V			
	Current	A			
Collector 5	Voltage	V			
	Current	A			

Heater Voltage	V				
Heater Current	A				
Focus Voltage	V				
Focus Current	A				
Bias Voltage	V				
Bias Current	mA				
Ion Voltage	kV				
Ion Current	uA				

Flow 1	Collector Oil Flow	GPM			
	Oil Flow Trip Level	GPM			
Flow 2	Heat Exchanger H ₂ O Flow	GPM			
	H ₂ O Flow Trip Level	GPM			
Flow 3	Anode H ₂ O Flow	GPM			
	H ₂ O Flow Trip Level	GPM			
Water Inlet Temperature		Deg C			
Water Outlet Temperature		Deg C			
Oil Inlet Temperature		Deg C			
Oil Outlet Temperature		Deg C			

Auto Restart Test	Y/N				
Display Test	Y/N				
Body Current Test	Y/N				
Arc Detector Test	Y/N				
HV Fault Test	Y/N				

Tube Model -	S/N				
Filament Hours Meter	Hours				
Input Cavity Model -	S/N				
Input Cavity Tuning	#				
Input Cavity Nulling	#				
Slug 1 Position	inches from input end				
Slug 2 Position	inches from input end				
Primary Cavity Tuning	#				
Intercavity Coupler	Degrees				
Secondary Cavity Tuning	#				
Output Coupler	Degrees				
RF System Loss	dB				