

Technical Service Bulletin 041014

Weekly DCX / Advantage Transmitter Log

This bulletin provides basic transmitter log sheets for the weekly recording of transmitter readings and maintenance activities for the DCX or Advantage 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 Broadcast and Multimedia.

At Comark Broadcast and Multimedia, 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.

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DCX / ADVANTAGE 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
Forward Power	%				
Reverse Power	%				
Driver Power	W				
IMD Sideband Level at IOT output	dB				
IMD Sideband Level at IPA output	dB				

Bias Voltage	V				
Filament Voltage	V				
Ion Voltage	kV				
Focus Voltage	V				
Bias Current	mA				
Filament Current	A				
Ion Current	uA				
Body Current	mA				
Beam Volts @ Tap #	kV				
Beam Current -Cold Idle	A				
Beam Current -Hot Idle	A				
Beam Current -Program	A				
Focus Current	A				

Crowbar Trip Count	#				
Crowbar Hour Meter	Hours				

Tube Type -	S/N				
Filament Hour Meter	Hours				
Input Cavity Type -	S/N				
Input Cavity Tuning	#				
1st Cavity Tuning	#				
Slug 1 Position	inches from input end				
Slug 2 Position	inches from input end				
Intercavity Coupler	Degrees				
2nd Cavity Tuning	#				
Output Coupler	Degrees				

Collector Temperature	Deg F				
Collector Flow	GPM				
Collector Flow Trip	GPM				

Crowbar Tested	Y/N				
Body Current Tested	Y/N				
Arc Detector Tested	Y/N				