

AN/TPN-25 PAR FACILITY REFERENCE DATA

REFERENCE DATA ANNUAL CERTIFICATION

LOCATION	ORGANIZATION	SERIAL NUMBER	DATE
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SECTION I ANTENNA/BEAM STEERING SUBSYSTEM

PARAMETER	SPECIFICATION	RESULT
1) PEDESTAL/ANTENNA LEVEL	31P5-2TPN25-2	(INITIALS)
2) VERTICAL SENSOR (All RWYS)	± 0.25 DEGREES OF ERROR (15 min)	(INITIALS)
3) ABPCU ALGORITHM TEST	NO FAULTS	(INITIALS)
4) ABPCU MUX PH-SHF POLL	< 17 FAULTY PHASE SHIFTERS —	(TOTAL NUMBER FAULTY)
5) WAVEGUIDE PRESSURE	31P5-TPN25-2	(INITIALS)

SECTION II TRANSMITTER SUBSYSTEM 31P5-2T-152

PARAMETER	SPECIFICATION	RESULT	
		1A19	1A201
1) TWT COLLECTOR CURRENT	4V ± 0.5V (1A per volt; no termination)	V	V
2) GRID CLAMP PULSE WIDTH	1.35 μsec ± 0.05 μsec	μsec	μsec
3) OUTPUT PULSE	LEADING EDGE UNDISTORTED	(INITIALS)	(INITIALS)
4) POWER OUT	44.8 dBm (20 nm range)	dBm	dBm
	45.5 dBm (15 nm range)	dBm	dBm
5) OUTPUT PULSEWIDTH	1.0 ± 0.1 μsec	μsec	μsec
6) OUTPUT PULSE DELAY	2.3 ± 0.01 μsec (pretrig to center of rf pulse)	μsec	μsec

FRONT PANEL METER READINGS		RESULT	
		1A19	1A201
STBY CONV VDC	280 VDC ± 10%	VDC	VDC
TWT HVPS X 1kV	-24.0kV ± 10%	kV	kV
STATIC FREQ CONV AC	175 VAC ± 10%	VAC	VAC
ION PUMP PS X 1kV	3.8 kVDC ± 10%	kVDC	kVDC
TWT BODY CUR X 1mA	4.5 ± 1.5 mA	mA	mA

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About the ITAOP/savePDF Method

The traditional Field-by-Field creation process is extremely ineffective and slow.

The only realistic option to create high-quality forms is the Insert-Text-Anywhere-on-Page (ITAOP) method.

The field creation process is about 10,000 times faster than the traditional method; the list of ITAOP features is not even available for the traditional method.

ITAOP savePDF method proved to be very simple and completely reliable for millions of users all over the world (incl. individuals, companies, organizations, government employees).

SECTION III						RECEIVER SUBSYSTEM 31P5-2TPN25-2			
PARAMETER		SPECIFICATION		RESULT					
				RCVR A		RCVR B			
FRONT PANEL FAULT INDICATOR		NO FAULT CODES PRESENT		(INITIALS)		(INITIALS)			
RECEIVER NOISE		EQUAL FOR NORMAL AND MTI		(INITIALS)		(INITIALS)			
FALSE ALARM RATE	PAR PERF 1	AVERAGE HISTORY TRAIL CENTERS ALONG AZIMUTH CURSOR		(INITIALS)		(INITIALS)			
	PAR PERF 2			(INITIALS)		(INITIALS)			
	PAR PERF 3			(INITIALS)		(INITIALS)			
AZIMUTH ZERO BIAS		HISTORY DOTS CENTERED ON EL CURSOR		(INITIALS)		(INITIALS)			
ELEVATION ZERO BIAS		HISTORY DOTS CENTERED ON EL CURSOR		(INITIALS)		(INITIALS)			
CHIRP RANGE TRACK TIMING		TRACK SYMBOL BETWEEN HORIZONTAL CURSOR LINES ON EL DISPLAY		(INITIALS)		(INITIALS)			
				XOAF1	XOBF2	XOAF1	XOBF2		
MDS	NORMAL	> - 103 dBm <i>(at all Remote Indicator)</i>		dBm	dBm	dBm	dBm		
	CHOHERENT MTI	> - 99 dBm <i>(at all Remote Indicator)</i>		dBm	dBm	dBm	dBm		
	NONCOHERENT MTI	> - 95 dBm <i>(at all Remote Indicator)</i>		dBm	dBm	dBm	dBm		
SECTION IV						SYSTEM PERFORMANCE ASSESSMENT INFORMATION 31P5-2TPN25-2			
PARAMETER		SPECIFICATION		RESULT					
SPA TESTS		TEST PASS AS DESCRIBED IN APPLICBLE T.O. (see notes 1 and 2)		(INITIALS)		(INITIALS)			
SITE PARAMETER PANEL VERIFICATION		COMMISSIONING DATA		(INITIALS)		(INITIALS)			
PAR PERFORMANCE		TRACKS REFLECTOR		(INITIALS)		(INITIALS)			
NOTE 1: It is recommended that sketches of swept and manual angle error presentations are attached to this form. These can be useful if future tracking problems occur.									
NOTE 2: Ensure upon completion of SPA Test that the system is returned to fully operational status with no status with no fault indications.									
SECTION V						TDC PERFORMANCE 31P5-2T-112			
PARAMETER		SPECIFICATION		RESULT					
TDC PERFORMANCE		PASSES BUILT IN TESTS AS DESCRIBED IN APPLICABLE T.O.		(INITIALS)					
SECTION VI						REMOTING SUBSYSTEM 31P5-2T-162			
PARAMETER		SPECIFICATION		RESULT					
RADAR DATA TRANSFER GROUP		PASSES PERFORMANCE TESTS IN APPLICABLE T.O.		(INITIALS)					
SECTION VII						INDICATING SUBSYSTEM			
PARAMETER		SPECIFICATION		RESULT					
VIDEO REGISTRATION ALIGNMENT - ALL INDICATORS		31P5-2T-2		(INITIALS)					
CERTIFYING OFFICIAL									
NAME <i>(Last, First, MI)</i>			SIGNATURE			DATE			
SIGNATURE INDICATES ALL ANNUAL PERFORMANCE REQUIREMENTS HAVE BEEN CHECKED AND ALL PROBLEM AREAS HAVE BEEN IDENTIFIED AND DOCUMENTED ON THE AF FORM 3600.									