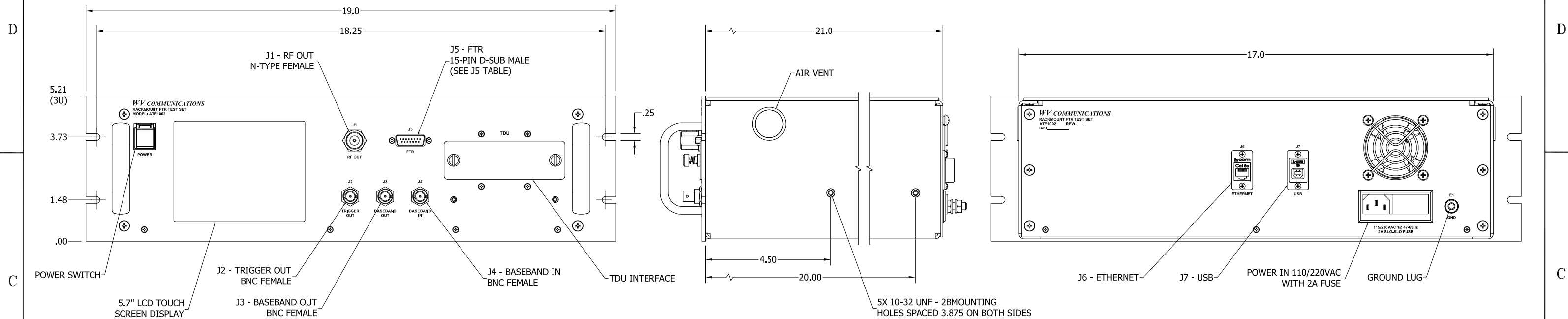


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		RELEASED	5/10/2019	JA



Features List

- **Generates Commands**
 - IRIG Commands Pilot and tones
 - High Alphabet Commands and Pilot
 - EFTS messages
 - FSK protocols
 - External analog baseband input for special modulation
 - Frame pulse output for timing measurement
- **Reads and displays FTR status**
 - SSTO (Carrier) level
 - RSTO (EFTS state) or similar analog telemetry
 - Read up to 6 discrete FTR command outputs
 - EFTS FTR serial status information
 - EFTS FTR serial User bits
- **Configure EFTS FTR via USB port**
- **Can perform RCC-313 (IRIG) tests 10, 13 – 23, 26, 29, 32 – 34, 35 – 40**
- **Can perform RCC-325 (EFTS) tests 10 – 14, 19 – 24, 27, 31, 35**
- **RF output from 10 MHz to 1 GHz for susceptibility testing**
- **RF level from -127 dBm to +10 dBm in 0.1dBm steps for sensitivity and other RF testing**
- **Carrier frequency settable in 1 kHz steps**
- **Tone frequencies settable in 1 Hz steps**
- **External Modulation input supports custom signals**

Environmental Specifications

OPERATING TEMPERATURE: 0 to +50°C
STORAGE TEMPERATURE: -20 to +70°C
OPERATING RELATIVE HUMIDITY: 0 to 95% Non-Condensing
OPERATING ALTITUDE: 0-10,000 Ft
AC INPUT POWER: 85-264VAC, 1 Phase, 47-63Hz at 25W Maximum

NOTE: THE IRIG INTERFACE CABLE ASSY. (CB-0068) AND THE EFTS INTERFACE CABLE ASSY. (CB-0069) ARE NECESSARY IN ORDER TO CONNECT THE FTR.

ATE1002			CB-0068			FTR		
P1 - DB15 F-PIN	SIGNAL NAME		J5 FTR (D-SUB)			P2 - MDM25 M-PIN		
-	EXTERNAL POWER 28V+ (RED WIRE)	1						
-	N/U	2						
-	EXTERNAL POWER 28V+ RETURN (BLACK WIRE)	3						
-	N/U	4						
-	N/U	5						
-	FAILSAFE ENABLE IN	6						
-	FAILSAFE CROSS LINK IN	7						
10	TERMINATE OUTPUT	8						
14	USER DEFINED OUTPUT	9						
12	OPTIONAL OUTPUT	10						
-	N/U	11						
-	N/U	12						
-	N/U	13						
-	N/U	14						
2	FAILSAFE TELEMETRY OUT	15						
-	N/U	16						
-	N/U	17						
1	SIGNAL COMMON	18						
-	N/U	19						
-	N/U	20						
11	TONE D TELEMETRY	21						
13	MONITOR OUTPUT	22						
9	ARM OUTPUT	23						
3	SIGNAL STRENGTH OUTPUT	24						
8	SIGNAL STRENGTH RETURN	25						

ATE1002			CB-0069			FTR		
P1 - DB15 F-PIN	SIGNAL NAME		J5 FTR (D-SUB)			P2 - MDM25 M-PIN		
-	INPUT POWER 28V+ (RED WIRE)	1						
5	CONFIGURATION Tx RS-232	2						
-	DC RETURN (BLACK WIRE)	3						
-	DC RETURN	4						
-	N/U	5						
-	FAILSAFE ENABLE IN (FSE)	6						
-	FAILSAFE SYSTEM IN (FSI)	7						
10	TERMINATE OUTPUT	8						
7	USER DEFINED RS232 OUTPUT	9						
12	OPTIONAL OUTPUT	10						
-	LOW VOLTAGE SENSE	11						
2	RCVR STATE TM OUT (RSTO)	12						
-	CASE GND	13						
-	INPUT POWER 28V+	14						
14	FAILSAFE TELEMETRY OUT	15						
11	CHECK CHANNEL OUT	16						
-	CMD PULSE VALID	17						
1	SIGNAL COMMON	18						
-	FAILSAFE SYSTEM OUT (FSO)	19						
-	TERMINATE OUTPUT	20						
6	CONFIGURATION Rx RS-232	21						
13	MONITOR OUTPUT	22						
9	ARM OUTPUT	23						
3	SIGNAL STRENGTH OUTPUT	24						
8	DC RETURN	25						

J6 ETHERNET	
PIN	NAME
1	TX+
2	TX-
3	RX+
4	N/C
5	N/C
6	RX-
7	N/C
8	N/C

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMALS ANGLES HOLES ± 1/64 .XXX.01 ±0°30' .XXX+.005 REMOVE BURRS .005 MAX		APPROVALS		DATE	WV Communications 1125A Business Center Circle Newbury Park, CA
MACHINED FINISH: 32 RMS		DRAWN	JAKOB	5/10/2019	
REMOVE BURRS .005 MAX		CHECKED	TT	5/10/2019	
MATERIAL		MECH ENGR	TT	5/10/2019	
FINISH		ELEC ENGR	JT	5/10/2019	RACKMOUNT FTR TEST SET MODEL: ATE1002
900-50494	ATE1002	PRODUCTION	AM	5/10/2019	
NEXT ASSEMBLY	USED ON	Q.A.	SG	5/10/2019	
APPLICATION		DO NOT SCALE DRAWING		SCALE NONE	SIZE CAGE CODE DWG. NO. REV D 1GFQ7 050-51083 A
				SHEET 1 OF 1	

REV A
 DWG NO. 050-51083