

TMC SPECIFICATION

NO. S1261

REV:

COMPILED: DRP

CHECKED: *[Signature]*

APPD: *[Signature]* *[Signature]*

SHEET 1 OF 5

TITLE: SBTM-350EA

SBTM-350EA

TEST PROCEDURE

TMC SPECIFICATION

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SHEET 2 OF 5

TITLE:

A. INTRODUCTION

The SBTM-350EA is a general purpose radio transmitter system providing USB, LSB, ISB, AM, FAX, FSK, and CW operation throughout a frequency range of 2 to 32 MC. The rated power output of this unit is 350 WATTS PEP and 200 WATTS CW depending on customer request.

B. MAIN COMPONENTS

The SBTM-350EA consists of separate units integrated to form the transmitter system, These components are:

1. Rack Assembly RAK-19G.
2. Auxiliary Power Panel APP-5.
3. Power Supply PSP-350.
4. Linear RF Amplifier RFA-1.
5. SME-6
6. Standing Wave Ratio Indicator SWR-1K.

C. TEST PROCEDURE

The test procedure for the SBTM-350EA system is outlined on the following pages. Before the system can be tested correctly, all components except the RAK-19G rack assembly, must be tested and passed by the Test Department as per the specific test requirements for each unit.

TEST CHART SBTM EA

CHANNEL	FREQ.	350 WATTS PEP					200 WATTS CW		
		DRIVER BAND	DRIVER TUNING	PA TUNING	PA LOADING	3RD ORDER DISTORTION	PA PLATE CURRANT	OUTPUT VOLTAGE	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

NOTE: 350W, PEP IS 132 VRMS ACROSS 50 OHMS.
 200W, CW, IS 100 VRMS ACROSS 50 OHMS.

ACCEPT

1. AC POWER TO APP-5
2. AC POWER TO PSP-350
3. AC POWER TO SME
4. PTT CIRCUIT
5. INTERLOCK CIRCUIT
6. KEY LINE
7. CHANNEL 1 CIRCUIT
8. CHANNEL 2 CIRCUIT
9. REMOTE TRANS. PLATE
10. 115V ANT. RELAY
11. TEST KEY

SBTM-350 EA SERIAL NO. _____

SBTM-350 EA MFG. NO. _____

SWR 1K MFG. NO. _____

SME-6 MFG. NO. _____

RFA MFG. NO. _____

PSP-350 MFG. NO. _____

DATE _____

TESTER _____