

TMC SPECIFICATION

NO. S1390

REV:

COMPILED:

CHECKED:

APPD:

SHEET

OF

TITLE: TEST PROCEDURE FOR A4922 SPECTRUM GENERATOR (RSU)

1. 1 MHz

Connect 1 MHz from VOX to E1 set for 1 volt. Connect scope to base of Q6. Connect 1 MHz from frequency standard to E3 thru attenuator. Place VTVM on E3 check for 1 volt. Adjust attenuator for less than .7 VRMS. 1 MHz at base of Q6 should be approximately 3.3 VP-P 1 MHz signal from the VOX.

2. Dividers

Monitor E7 and TUNE L1 for MAX voltage 100 KHz.

Monitor E9 output should be 100 KHz.

Monitor E11 output should be 100 KHz at 2.0 VP-P.

Monitor junction of C23, R35 and TUNE L4, L6, L5 for maximum at 900 KHz.

Monitor E15 square wave output should be 90 KHz.

Monitor E17 square wave output should be .9 KHz at 2 VP-P.

3. Spectrum Generator Output

Connect BCD switch to E23-28 set for 00.

Monitor E-21 and tune T2 for maximum voltage (15 MHz).

Monitor E-19 and tune T1 for maximum voltage (17 MHz).

Monitor E-30 (1-15 MHz output) with scope & counter.

Refer to chart and tune proper coils for maximum voltage at given frequency signal in all cases should be .3 VP-P \pm 10%.

TMC SPECIFICATION

NO. S1390

REV: _____

COMPILED: _____ CHECKED: _____ APPD: _____ SHEET _____ OF _____

TITLE: CHECK OFF SHEET FOR A-4922 (RSU)

1 MHz standard change over	OK _____
Base of Q6	APPROX. 3.3 VPP _____
100 KHz (E-7)	10 VPP MIN. _____
100 KHz (E-9)	OK _____
100 KHz (E-11)	2.0 VPP MIN _____
900 KHz (C-23, R-35)	OK _____
90 KHz (E-15)	OK _____
.9 KHz (E-17)	2.0 VPP MIN 3 VOLTS _____
15 MHz (E-21)	OK _____
17 MHz (E-19)	3.0 VPP MIN 4 VOLTS _____

DIAL SELECT	OUTPUT MHz	DIAL SELECT	OUTPUT MHz	DIAL SELECT	OUTPUT MHz	DIAL SELECT	OUTPUT MHz
00	1 _____	10	6 _____	20	4 _____	30	14 _____
01	2 _____	11	5 _____	21	5 _____	31	15 _____
02	3 _____	12	4 _____	22	6 _____		
03	4 _____	13	3 _____	23	7 _____		NOTE
04	5 _____	14	2 _____	24	8 _____		✓ = .3 VPP
05	6 _____	15	1 _____	25	9 _____		
06	7 _____	16	NONE	26	10 _____		
07	3 _____	17	1 _____	27	11 _____		
08	8 _____	18	2 _____	28	12 _____		
09	7 _____	19	3 _____	29	13 _____		

DATE _____

TESTER _____