DATE 26/4/1960 SPECIFICATION NO. S - 10042 TMC sh. 1 of 3 C. L. B. JOB CE-5075 TEST PROCEDURE FOR PAL-1000 TITLE: APPROVED TEST PROCEDURE FOR MODEL PAL-1000 SYSTEM

## TMC

# SPECIFICATION NO. S - 10042

TITLE:

TEST PROCEDURE FOR PAL-1000

JOB CE-507

APPROVED

## SECTION I:

- 1) Perform complete visual examination of all units for physical and mechanical defects.
- 2) Check security of all components.
- 3) Check that all adjustments are locked.

#### SECTION II:

- 1) Check C. W. power at band edges and complete page 1 of test report.
- 2) Check sideband power, third order etc. and complete page 2 of test report.
- 3) Check harmonics at 4 frequencies chosen by DND IS.
- 4) Check frequency response and audio distortion and record results on page 3. Check distortion at 2 RF frequencies, at 95% modulation.

#### SECTION III:

- 1) Check stability, to be equal or better than .0002%  $20^{\circ}$ C to  $40^{\circ}$ C with + 10% line voltage variation using 2270 M/c crystal.
- 2) Check, using panalyzor for modes of operation.
  - (1) 6A3 Double side band amplitude modulation.

This test to be conducted as follows:

- (a) Adjust carrier insert to give 500 watts C. W.
- (b) Using panalyzor adjust to show full screen amplitude on carrier.
- (c) Insert 1K/c tone on both side bands level to be 6db relative to carrier.
- (d) Power output to be 750 watts minimum.
- (e) Complete page 3 of test report.

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COMPILED BY
C. L. B. TITLE: TEST PROCEDURE FOR PAL-1000 JOBCE-5075

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- (f) Tune RX to TX output and note RX audio output level.
- (g) Cut modulation and measure A/F output level.
  Must be 40db or better.

DATE 26/4/1 SH. 3 OF	4		T M C	C SPECI	FICA	ATION	NO.	<b>S-</b> 10042		
C. L. B.		TITLE: TEST DEPONT FOR MODEL DAL					-1000 JOBCE-50			
APPROVED		TEST REPORT FOR MODEL PAL-1000 JOBCI								
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		SBE	it .	PAL-IR #		and the state of t				
	1)									
		(a) AM Test power output					watts.			
		(b) R	b) Residual carrier noise					db.		
		(c) U	sing detection	ector at monitor response and d	outpu istort	it meas ion.	ure			
R	F	A/F	DIST.	FREQ.RESP.	RF	DIST.	FREQ.	RESP.		
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	AC	RIPPI	E AND	REGULATION						
	1)									
		(a) Measure with HP 410B across 220K resistor in bleeder.								
	(b) Ripple voltage not to exceed 1.00 volts AC							v.		
		(c) Change in D. C. level not to exceed 15% from no load to full load current.								

DATE 26/4/1960 SH. 4 OF 4		TMC	SPE	CIFICATION	NO.	<b>S -</b> 10042
Compiled by	TITLE:	TEST REF	ORT FO	OR MODEL PAL-	1000	JOBCE-5075
APPROVED						
SB	E MODE	S				
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	2)	<b>IS</b> B				
	3)	SSB				· Andrews (State of the Control of t
	4)	SSB with i	ntermit	tent carrier	New Strategy of the Strategy o	norman jahringa kirakhada i jadi suk kwanzi da 1875
·	5)	Carrier C	N/OFF	RTT. keyed at 4	2 cps	
<b>S</b> B	E Power	output at		M/c.	watt	ts PEP.
BA	NDWIDT	'H CHECK				
	Vary	audio input	to SBE a	and record 3 db po	oints	
	relati	ive to 1 k/cs		bandwidth		k/cs
UN	WANTE	D SIDE BAN	D			
	Using	g 500 c/s tor	ie reject	ion	db.	
SB	E STABI	LITY TEST				
		24 hour was inutes for pe		ecord frequency e 4 hours.	very	
TI	ME	1	F			
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						1960.
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