

UNCLASSIFIED

FUNCTIONAL ATR
for
EL/M-2107
P / N 1021E500-001

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1. Introduction

- a. This manual provides the **Acceptance Test Results (ATR)** EL/M-2107 P/N 1020E500-001. The ATR manual includes visual, mechanical and electrical results according the **ATP** logbook P/N 1021E406-001.
- b. For results not meeting the required specification, the appropriate place in the ATR should be marked and a failure report shall be filled.
- c. The test procedure is only completed if all test results and / or pages of the ATR are signed where required.
- d. Verify that the ATP and the ATR in your possession are the latest revisions.

1.1 Applicable Documents

- a. 5905B884-001 – EL/M-2107 ESS.
- b. 1021E405-001 – FUNCTIONAL ATP for EL/M-2107.

2. Visual test

2.1 Visual identification

No'.	LRU	P/N	REV.	SERIAL NO.
.1	EL/M-2107	1021E500-001		

Table 2.1: Visual identification of the LRU's

2.2 Visual Inspection

Verify that each of the following LRU's has passed its ATP and verify the availability of the LRU's service tag or C.O.C.

Inspect each of the following LRU's and verify:

No.	DESCRIPTION	REQUIREMENTS	RESULTS
1.	Identification plate	See ATP	
2.	Workmanship	See ATP	
3.	Securing of connectors	See ATP	
4.	Securing of hardware	See ATP	

Table 2.2 Visual inspections

3. List Of Required Test Equipment

Verify that all test equipment serviceable tags are updated.

4. Electrical test**4.1.2 Current test**

Current (Amp.)		Supply Voltage
Required	Measured	
0.7 ± 0.15 Amp		

4.1.4 TRANSMISSION TEST

Pass/fail	Band [MHz]		Upper frq. [MHz]		Lower freq.[MHz]	
	Required	Measured	Required	Measured	Required	Measured
	60± 5		5520 Max		5330 Min	

4.1.5 POWER SIGNAL

Power Trans [dBm]		Pass/fail
Min Required	Measured	
+18		

4.2.4 AVERAGE NOISE SIGNAL LEVEL

Noise level CH 1 [dBm]	Noise level CH 2 [dBm]	Max Required	Pass/fail
		-97	

4.2.6 SIGNAL INJECTION

Ch 2 Measured [dBm]	Ch1 Measured [dBm]	Min Required [dBm]	Pass/fail
		-40	

4.2.9 SENSITIVITY TEST

EL/M-2107 sensitivity			Pass/fail
Max Required [dbm]	ATT. [db]	Measured [dBm]	
-110			

4.3 TESTING EL/M-2107

False alarms	Detecting & tracking	Detection angel (80°)	Pass/fail

5 APROVAL

	Name	Signature	Date
Manufacturer			
Q.A			
Customer			