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CAD GENERATED DOCUMENT

ANY CHANGES TO THIS DOCUMENT MUST BE SUBMITTED TO THE DESIGN/DRAFTING DEPARTMENT FOR PROPER UPDATE

DWG. NO.	SHEET	REV.
500-97914	1	N/C

REVISIONS					DATE	APPROVED
ECN	SHEET	ZONE	REV.	BRIEF DESCRIPTION (SEE ECN FOR COMPLETE CHANGE DETAILS)		
22477	-	-	N/C	NEW RELEASE	3/18/05	<i>[Signature]</i>

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 LABEL CABLES AND INSTALL BLACK ADHESIVE SHRINK TUBING ON CONNECTORS PER ECS WORK INSTRUCTION WI007. INFORMATION IN PARENTHESIS IS NOT PART OF THE LABEL.


2. MARK OUTSIDE OF BOX WITH CONTENTS DESCRIPTION, P.O. # AND SERIAL # PER EXAMPLES:
 AIRSAT II RF COAX CABLE KIT
 P/N 500-97914-XXXXX/XXXXX
 P.O. # XXXXX
 SER # EXXXX

3. COAXIAL CABLE ASSEMBLY LENGTH TOLERANCE, UNLESS OTHERWISE NOTED;

LENGTH	≤ 12	>12≤120	> 120
TOL	+0.5/-0.0	+3.5/-0.0	+5.5/-0.0

4. INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SET.

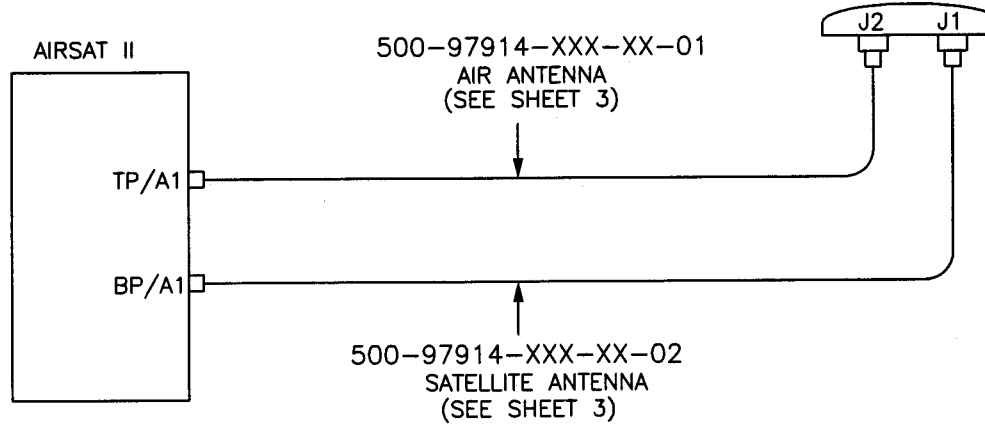
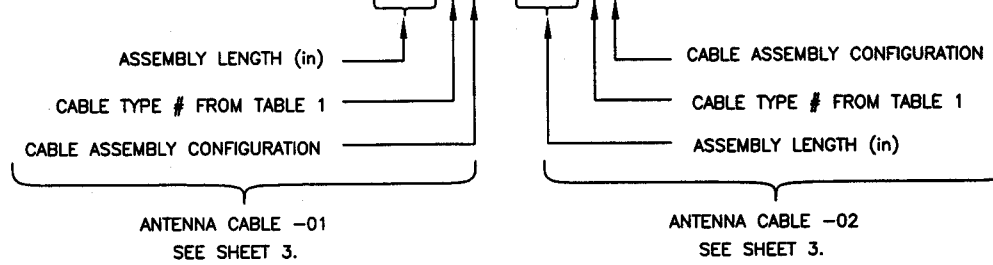
5. TEST TO BE PERFORMED PER MI305 AND THE FOLLOWING:
 TEST CABLES FROM 1616 TO 1626.5 MHz.
 ATTENUATION: ≤ 2.7 dB FOR EACH CABLE.
 VSWR: ≤ 1.5:1 FOR EACH CABLE.

ALL LENGTHS IN INCHES		 ELECTRONIC CABLE SPECIALISTS <small>FRANKLIN, TN 37122 PHONE: (615) 431-8300</small>	
APPROVALS	DATE	TITLE:	
<i>[Signature]</i>	3/17/05	AIRSAT II RF COAX CABLES	
DESIGNED BY:	<i>[Signature]</i>	SIZE	CASE CODE
PROJECT ENG:		C	66197
DATE:	3/18/05	LEVEL	DWG NO.
			500-97914
		SCALE	SPECIMEN
			SHEET 1 of 3

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AIRSAT II EXAMPLE KIT PART NUMBER

P/N 500-97914-3008A/3008B



1	500-97914-XXX-XX-02	AIRSAT II COAX CABLE	2
1	500-97914-XXX-XX-01	AIRSAT II COAX CABLE	1
QTY REQ'D	COMPONENTS PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ITEM NO.
XXXXX/XXXXX			
KIT PART NO.			
PART LIST			

ELECTRONIC CABLE SPECIALISTS E.C.S. <small>FRANKLIN, WI 53132 PHONE: (414) 421-8300</small>			
SIZE	DATE CODE	LEVEL	DWG. NO.
C	66197	C/A	500-97914
SCALE	EFFECTIVITY	SHEET 2 OF 3	

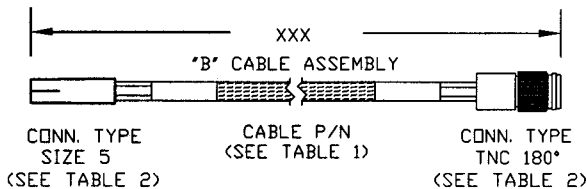
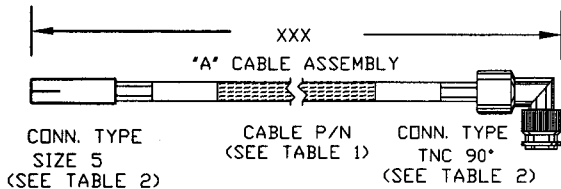
NOTES: SEE SHEET 1

P/N 500-97914-XXX-XX-XX (ALL LENGTHS IN INCHES)

ASSEMBLY LENGTH
 CABLE TYPE # FROM TABLE 1
 CABLE ASSEMBLY CONFIGURATION (A OR B)
 01 OR 02

EXAMPLE : 500-97914-240-6A-01 = 240" ASSEMBLY OF 311601 WITH A P922 & CTR922 CONNECTORS USED FOR TP/A1 TO J2 ASSEMBLY.

CABLE ASSEMBLY CONFIGURATIONS



CABLE LABELING

500-97914-XXX-XX-01
 SER# EXXXX
 TP/A1 TO J2
 (BLACK)

500-97914-XXX-XX-02
 SER# EXXXX
 BP/A1 TO J1
 (YELLOW)

TABLE 1 (ECS COAX CABLE)

#	ECS P/N	MAXIMUM LENGTH
8	311501	320 INCHES
7	421601	275 INCHES
6	311601	275 INCHES
5	352001	190 INCHES
4	311901	190 INCHES
3	432101	165 INCHES
2	3C142B	165 INCHES
1	3C058A	115 INCHES

TABLE 2 (ECS COAX CONNECTORS)

12	P922	SIZE 5 SOCKET. FOR 311601,421601,311501	620033
11	CTS922	CONN.,TNC, 180 DEG. FOR 311601,421601,311501	
10	CTR922	CONN.,TNC, 90 DEG. FOR 311601,421601,311501	
9	P3522	SIZE 5 SOCKET. FOR 352001	
8	CTS3522	CONN.,TNC, 180 DEG. FOR 352001	
7	CTR3522	CONN.,TNC, 90 DEG. FOR 352001	
6	P522	SIZE 5 SOCKET. FOR 432101	
5	CTS522	CONN.,TNC, 180 DEG. FOR 432101	
4	CTR522	CONN.,TNC, 90 DEG. FOR 432101	
3	620021	SIZE 5 SOCKET FOR 3C142B,311901,3C058A	225791-2
2	CTS722	CONN.,TNC, 180 DEG. FOR 3C142B,311901,3C058A	M39012/26-0503,225555-6,31-4452,KA-59-292
1	CTR722	CONN.,TNC, 90 DEG. FOR 3C142B,311901,3C058A	M39012/30-0503,225554-6,31-4474,KA-59-273,KA-59-236
#	ECS P/N	DESCRIPTION	

NOTES: SEE SHEET 1

ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
SIZE	DWG. CODE	LEVEL	DWG. NO.
C	66197		500-97914
SCALE:	EFFECTIVITY:	SHEET: 3 OF 3	