WPR21FA143

SURVIVAL FACTORS

Specialist's Factual Report - Attachment 1 ELT Teardown Report

May 27, 2022



Following card ELT ELT KANNAD 406 AF-COMPACT

OROLIA reception n° SER16382

Orolia SAS - Z.I des 5 Chemins, CS 10028, 56520, Guidel, France

Devis Accepté: OUI/NON	P/N : \$1840501-01 AMDT:	U Cu	stomer informati	on:			
Date:	S/N: LX1100445796 DOM	: 02/2017		BUREAU D'ENQUETES ET D'A			
Statut:	CSN: 429151 Expiry date:	20 /2000	pair order N° E	i			
OH [] RE []			/N customer N	N/A			
VE[] MODIF[] SCRAP[]	Type: ELT KANNAD 406 AF COM	IPACT	1	,			
Ref. applicable document:	CMM 25-63-03 Rev 07 (27/02	/2018) Ga	rantie: 🗹	PART145			
Observation:	Motif de retour	accessoires:	Name /	Date / Visa reception			
B3 en Alaska (N351SH) qui		Le Goff Michele					
a eu lieu le 27/03/2021. Le NTSB souhaite nous		,	21-avr	22			
confier l'ELT pour examen,		0-	1				
		- 1					
	Check	SEC. S					
Matching of Product/SAP/Acce	ess: [] PN; [] SN; [] AMDT; [] CSN. I			y; [4] CSN; [4] instruction labels			
		nce /Sortance	£56				
Designation	Specification	Result Sur Bat		Result OUT			
General		mesurement	OK NOK N/A	mesurement OK NOK N/A			
Visual inspection	switch,no corrosion,no crack,labels	1		1			
Self-test	Done (1 long flash or 3+4 flashes)	3+2		long flash			
Software Control	Read 15hex ID with PR600	ADC6499005DD255		ADC6499005DD255 🕝 🗆			
G-switch	ELT activates with G-switch	1		<i>I</i>			
Buzzer	Buzzer operates	I	V	<i>I</i>			
Tests counters	A maximum of 350 tests	40		40 🕝 🗆			
Bursts counters	A maximum of 72 bursts	12884		12884			
Battery		mesurement	OK NOK N/A	mesurement OK NOK N/A			
P/N		0141823		0141823			
Amdt		J		J 🗸 🗆			
SN Battery	L-2	1639 0393		1639 0393			
Expiry date Battery matches with the labelling of		08/2023		08/2023			
the ELT			✓ 🗆 🗆	/			
No corrosion or visible damage				<i>I</i>			
Check the clamping of battery's connector		1					
Board		mesurement	OK NOK N/A	mesurement OK NOK N/A			
Current in stand by mode	Isby < 30µA	6,7	μΑ 🕡 🗌	6,7 µА 🕢 🗌 🗌			
RF measurement		mesurement	OK NOK N/A	mesurement OK NOK N/A			
406 Frequency	406,028 MHz ± 1 KHz		Mhz 🗌 🔽	406,0277 Mhz 🗹 🗌			
406 Power	37 ± 2 dBm		dBm 🗌 📝	35,6 dBm ☑ □			
121 Frequency	121,500 MHz ± 6 KHz		Mhz 🗌 🗾	121,4991 Mhz 🗹 🗌			
121 Power	20 dBm < P < 26 dBm		dBm 🗌 🗸	21,2 dBm ☑ □			
Modulation (121,5 Mhz)	Higher than 85 %		% 🗌 🗸	96,6 % 🗹 🗌			
La version en visueur del-	ocument est celle discontile and CI	Paint at FC	DRM-D6-051	DATA-D6-010			
	ocument est celle disponible sous Share r la base de données d'édition des do	ePoint et		Rev A			
	d'archivage : conservé dans le dossier		31/03/2022	Dated 01/12/2021			
			Page	1 sur 2			



Following card ELT **ELT KANNAD 406 AF-COMPACT**

Transmission coding	15Hex identical to software control	1		1	
Watertightness		mesurement	OK NOK N/A	mesurement	OK NOK N
Watertightness		1		1	
Test finalization		mesurement	OK NOK N/A	mesurement	OK NOK N
Counter reset	(if applicable)	1			
Update Eprog				<u>I</u>	
Labelling Inspection Date	MM/YYYY printed on outside label			<i></i>	
Next Control According To Regulation control	by default 12 months for Automatic ELTs				
Load in BDD the equipement number	Battery tester, Current tester, Torque driver			1	
Load in BDD the equipement number	BT100, multimeter, spectrum,programmer		-	<u>-</u>	
Load in BDD the equipement number	power, load	1		<u>-</u>	
Check if the work to carry is correct	Same into the following card and BDD			<u>-</u>	
-		1 . 1			
Comment:		- /			
		Résur	né opération		
SER16382					
EXPERTISE le 26/04/2022 10 -Constat avant ouverture:	0:13:54 par TLM temps : 03:00H				
	ar an amb francisco				
Selftest 3+2 flashes; no power					
The auxilliary antenna is dame					
	bursts (12884 burst 178hours)				
	w (1,97V instead of 6V typical)				
-Constat après ouverture:	(4.5(7)				
In power supply, all the paran					
	orking properly; No fault found				
-Commentaires:	and the second s	ACTION SIZE OF SECTION		anala - 165 ani kata di Santa	
BEA inspection					
	antenna is test with a Mokup work	proprely			
Additional test : RCP No fault	found				
Additional test : we have ckec	k the cable lost of the coax cable:	1,4dBm @406M	hz 0,7dBm @12	1,5Mhz :OK	
Conclusion: During the crash th	e ELT activated, it transmitted for 1	78H; The discha	rge of the batter	y is due to nor	mal operat
REPARATION le 26/04/2022	10:01:07 par TLM temps : H				
-Actions correctives:					
N/A					
-COMPOSANTS REMPLACE	S:				
S1840510-01; 1; ; ; Kit BAT2	200; aucune traça renseigné ; Sous	garantie			
	Name:	Date:		Signature:	
_				oignutore.	
C	18 DEIN Th	25.0	4. 2022		
Expertise:	Co / hour 1.1				
Finalisation:	Ce / Heart		-	-	
Account to the second	Co proces		-		
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Account to the second		,			

générée automatiquement par la base de données d'édition des documents. Modalités de classement et d'archivage : conservé dans le dossier client.

Dated 31/03/2022

Dated 01/12/2021

Page 2 sur 2