

**ATC TRANSPONDER AND MODE S INSPECTION
14 CFR PART 43, APPENDIX F**

DATE: _____ W/O # _____ TAIL # _____ S/N _____

Inspection(s) in Accordance With 14 CFR Part 43, Appendix F

Transponder #1		Transponder #2	
Mfg.	_____	Mfg.	_____
Model	_____	Model	_____
P/N	_____ S/N _____	P/N	_____ S/N _____
Radio Reply Frequency	1087 to 1093 MHZ <input type="checkbox"/>	Radio Reply Frequency	1087 to 1093 MHZ <input type="checkbox"/>
Mode S	1089 TO 1091 <input type="checkbox"/>	Mode S	1089 TO 1091 <input type="checkbox"/>
Peak Output Power > 125 and < 500 Watts	<input type="checkbox"/>	Peak Output Power > and < 500 Watts	<input type="checkbox"/>
Mode S TX Power > 125 and < 500 Watts	<input type="checkbox"/>	Mode S TX Power > 125 and < 500 Watts	<input type="checkbox"/>
SLS 0 db	<input type="checkbox"/> 1% < Reply Rate	SLS 0 db	<input type="checkbox"/> 1% < Reply Rate
Reply Rate (-9db)	<input type="checkbox"/> 90% > Reply	Reply Rate (-9db)	<input type="checkbox"/> 90% > Reply
Receiver Sensitivity - 66 to -77 dbm	<input type="checkbox"/>	Receiver Sensitivity -66 to -77 dbm	<input type="checkbox"/>
Mode 3/A		Mode 3/A	
Receiver Sensitivity - 66 to -77 dbm	<input type="checkbox"/>	Receiver Sensitivity -66 to -77 dbm	<input type="checkbox"/>
Mode C		Mode C	
Difference ≤ 1 dbm	<input type="checkbox"/>	Difference ≤ 1 dbm	<input type="checkbox"/>
Receiver Sensitivity -68 TO -77 dbm 90% Reply	<input type="checkbox"/>	Receiver Sensitivity -68 TO -77 dbm 90% Reply	<input type="checkbox"/>
Mode S Diversity Transmission Channel Isolation [] > 20db (May require Antenna Isolation)		Mode S Diversity Transmission Channel Isolation [] > 20db (May require Antenna Isolation)	
Mode S Address [] Correct Reply		Mode S Address [] Correct Reply	
Mode S UF=0 [] UF=16 [] UF=21 []		Mode S UF= 0 [] UF=16 [] UF= 21 []	
Formats UF=4 [] UF=20 [] UF=24 []		Formats UF= 4 [] UF=20 [] UF= 24 []	
UF=5 []		UF= 5 []	
UF=11 [] DF=11 []		UF=11 [] DF=11 []	
Mode S All Call PASS <input type="checkbox"/> FAIL <input type="checkbox"/>		Mode S All Call PASS <input type="checkbox"/> FAIL <input type="checkbox"/>	
Antennas Secure & In Good Condition <input type="checkbox"/>		Antennas Secure & In Good Condition <input type="checkbox"/>	
*SYSTEM PASSES <input type="checkbox"/>		*SYSTEM PASSES <input type="checkbox"/>	

Note #1: Peak Output Power Radiated Class 1A Min 125 Watts
Class 1B Min 70 Watts

Note #2: Receiver Sensitivity Includes Additional -3dbm Allowed for Radiated Signals

THE ABOVE INSPECTION(S) PERFORMED WITH THE TRANSPONDER(S) INSTALLED IN THE AIRCRAFT.

TESTED BY

***NOTE: CHECK IN BOX INDICATES PASS, BLANK BOX TEST N/A**

Tester – ID # _____