

This document was created to make public non-proprietary data contained in Special Conditions (including Deviations, Equivalent Safety Findings) that are part of the applicable Certification Basis as recorded in TCDS EASA.IM.A.212.

Content:

CRI F-06 (Special Condition): HIRF Protection2

Acronyms and Abbreviations.....4

CRI F-06 (Special Condition): HIRF Protection	
APPLICABILITY:	Learjet Model 60XR
REQUIREMENTS:	CS 25, 21A.61(a), CS 25.1529
ADVISORY MATERIAL:	INT/POL 25/2 (issue 2)

Means of Compliance

For Learjet 60XR, the special condition as provided in INT/POL 25/2 (issue 2) is acceptable to the EASA Team.

In addition Instructions for Continued Airworthiness (ICA) must be considered: IR 21A.61(a) and 25.1529 required that Instructions for Continued Airworthiness be supplied. The ICA for any specific HIRF protection maintenance should be addressed as part of 25.1529 compliance.

TABLE I
CERTIFICATION HIRF ENVIRONMENT

FREQUENCY	FIELD STRENGTH (V/m)	
	PEAK	AVERAGE
10 kHz - 100 kHz	50	50
100 kHz - 500 kHz	50	50
500 kHz - 2 MHz	50	50
2 MHz - 30 MHz	100	100
30 MHz - 70 MHz	50	50
70 MHz - 100 MHz	50	50
100 MHz - 200 MHz	100	100
200 MHz - 400 MHz	100	100
400 MHz - 700 MHz	700	50
700 MHz - 1 GHz	700	100
1 GHz - 2 GHz	2000	200
2 GHz - 4 GHz	3000	200
4 GHz - 6 GHz	3000	200
6 GHz - 8 GHz	1000	200
8 GHz - 12 GHz	3000	300
12 GHz - 18 GHz	2000	200
18 GHz - 40 GHz	600	200

TABLE II
NORMAL HIRF ENVIRONMENT

FREQUENCY	FIELD STRENGTH (V/m)	
	PEAK	AVERAGE
10 kHz - 100 kHz	20	20
100 kHz - 500 kHz	20	20
500 kHz - 2 MHz	30	30
2 MHz - 30 MHz	100	100
30 MHz - 70 MHz	10	10
70 MHz - 100 MHz	10	10
100 MHz - 200 MHz	30	10
200 MHz - 400 MHz	10	10
400 MHz - 700 MHz	700	40
700 MHz - 1 GHz	700	40
1 GHz - 2 GHz	1300	160
2 GHz - 4 GHz	3000	120
4 GHz - 6 GHz	3000	160
6 GHz - 8 GHz	400	170
8 GHz - 12 GHz	1230	230
12 GHz - 18 GHz	730	190
18 GHz - 40 GHz	600	150

Acronyms and Abbreviations

TCDS	Type Certificate Data Sheet
SC	Special Condition
DEV	Deviation
ESF	Equivalent Safety Finding
AMJ	Advisory Material Joint
ARP	Aeronautical Recommended Practise
CRI	Certification Review Item
EASA	European Aviation Safety Agency
FAA	Federal Aviation Administration
JAR	Joint Aviation Requirements
LCD	Liquid Crystal Display
PCM	Project Certification Manager
SAE	Society of Automotive Engineers

– END –