

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

G1159

**Type Certificate Holder:
Gulfstream Aerospace Corporation**

P. O. Box 2206
Savannah, Georgia 31402-2206

For models : G1159
G1159A
GIV
GIV-SP
GIV-X
GV
GV-SP

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Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **G1159**
(Commercial Designation **GII**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 175 (Chapter 2 hushkit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5011	28.123	26.535	102,7	102,0	90,9	93,0	98,2	102,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**G1159
GII)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Spey 511-8

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 200 (Chapter 2 hushkit, wing tip tanks)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5012	29.710	26.535	103,0	102,0	92,5	93,0	98,3	102,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **G1159A**
(Commercial Designation **GIII**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Spey 511-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **2**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5014	31.615	26.535	103,4	102,0	91,1	93,0	97,3	102,0
A5013	30.935	26.535	103,4	102,0	91,1	93,0	97,3	102,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 061 (49,000 lb. Zero Fuel Gross Weight Increase (with Speed Restriction) G-IV)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8485	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 061, ASC487 (49,000 lb. Zero Fuel Gross Weight Increase (with Speed Restriction) GIV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15469	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0	23,7

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 261 (49,000 lb. Zero Fuel Gross Weight Increase G-IV)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8486	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 261, ASC 487 (49,000 lb. Zero Fuel Gross Weight Increase G-IV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15468	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0	23,7

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A3806	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 487 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15470	33.203	26.535	87,7	94,0	78,6	89,0	91,0	98,0	23,7

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-SP**
 Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8487	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-SP
G300)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 436 (G300 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8484	32.658	29.937	87,7	94,0	78,2	89,0	93,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-SP**
(Commercial Designation **G300**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 436, ASC 487 (G300 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15472	32.658	29.937	87,7	94,0	78,2	89,0	93,3	98,0	21,8

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-SP
G400)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 440 (G400 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8488	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-SP**
(Commercial Designation **G400**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 440, ASC 487 (G400 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15473	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0	21,1

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV-SP**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 190 (Increased Ramp, Landing and Zero Fuel Gross Weight G-IV)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A3807	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV-SP**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 190, ASC 487 (Increased Ramp, Landing and Zero Fuel Gross Weight G-IV, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15471	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0	21,1

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GIV-SP**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation* **Tay 611-8**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 487 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15474	33.838	29.937	87,6	94,0	79,0	89,0	93,3	98,0	21,1

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G350)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 004 (G350 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A4919	32.159	29.937	89,7	94,0	74,1	89,0	92,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 004, ASC 064 (G350 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15478	32.159	29.937	89,7	94,0	74,1	89,0	92,3	98,0	24,9

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G350**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 004, ASC 007B (G350 Modification, Reduced MLW)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A15570	32.160	26.535	89,7	94,0	74,1	89,0	92,5	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G350)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 004, ASC 007B, ASC 064 (G350 Modification, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15483	32.160	26.535	89,7	94,0	74,1	89,0	92,5	98,0	24,7

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 005 (G450 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 6** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A4918	33.520	29.937	89,5	94,0	75,8	89,0	92,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 005, ASC 016 (G450 Modification, MTOW increase)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 6** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8918	33.838	29.937	89,5	94,0	76,2	89,0	92,3	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G450)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 005, ASC 016, ASC 064 (G450 Modification, MTOW increase, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15480	33.838	29.937	89,5	94,0	76,2	89,0	92,3	98,0	23,0

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G450)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 005, ASC 016, ASC 007B (G450 Modification, MTOW increase, Reduced MLW)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A15569	33.838	26.535	89,5	94,0	76,2	89,0	92,5	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G450)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 005, ASC 016, ASC 007B, ASC 064 (G450 Modification, MTOW increase, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level* (dB)	Limit (dB)	Level* (dB)	Limit (dB)	Level* (dB)	Limit (dB)	
A15482	33.838	26.535	89,5	94,0	76,2	89,0	92,5	98,0	22,8

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 005, ASC 064 (G450 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15479	33.520	29.937	89,5	94,0	75,8	89,0	92,3	98,0	23,4

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GIV-X**
(Commercial Designation **G450**)

Engine Manufacturer* **Rolls-Royce** Engine Type Designation* **Tay 611-8C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 005, ASC 007B (G450 Modification, Reduced MLW)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A15568	33.520	26.535	89,5	94,0	75,8	89,0	92,5	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation*
(Commercial Designation

**GIV-X
G450)**

Engine Manufacturer* **Rolls-Royce**

Engine Type Designation*

Tay 611-8C

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 005, ASC 007B, ASC 064 (G450 Modification, Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15481	33.520	26.535	89,5	94,0	75,8	89,0	92,5	98,0	23,2

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GV**
 Engine Manufacturer* **BMW Rolls-Royce** Engine Type Designation* **BR700-710A1-10**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1901	41.050	34.155	89,1	94,6	80,3	89,0	90,8	98,5

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GV**

Engine Manufacturer* **BMW Rolls-Royce**

Engine Type Designation* **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 197 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15477	41.050	34.155	89,1	94,6	80,3	89,0	90,8	98,5	21,9

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GV**

Engine Manufacturer* **BMW Rolls-Royce**

Engine Type Designation* **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 064 (Reduced MLW)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A15566	41.050	34.019	89,1	94,6	80,3	89,0	90,9	98,5

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GV**

Engine Manufacturer* **BMW Rolls-Royce**

Engine Type Designation* **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 064A (Reduced MLW and MTOW)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A15567	34.019	34.019	89,7	94,0	75,2	89,0	90,9	98,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GV**

Engine Manufacturer* **BMW Rolls-Royce**

Engine Type Designation* **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 064A, ASC 197 (Reduced MLW and MTOW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15475	34.019	34.019	89,7	94,0	75,2	89,0	90,9	98,0	25,2

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation**

Aircraft Type Designation* **GV**

Engine Manufacturer* **BMW Rolls-Royce**

Engine Type Designation* **BR700-710A1-10**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels*

ASC 064, ASC 197 (Reduced MLW, Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment

Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15476	41.050	34.019	89,1	94,6	80,3	89,0	90,9	98,5	21,8

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GV-SP**
(Commercial Designation **G500**)

Engine Manufacturer* **BMW Rolls-Royce** Engine Type Designation* **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 010 (G500 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5287	38.601	34.155	90,5	94,4	77,6	89,0	90,8	98,3

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GV-SP**
(Commercial Designation **G500**)

Engine Manufacturer* **BMW Rolls-Royce** Engine Type Designation* **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 010, ASC 089 (G500 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15484	38.601	34.155	90,5	94,4	77,6	89,0	90,8	98,3	22,8

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GV-SP**
(Commercial Designation) **G550)**

Engine Manufacturer* **BMW Rolls-Royce** Engine Type Designation* **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 011 (G550 Modification)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A1902	41.277	34.155	90,2	94,6	79,3	89,0	90,8	98,6

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Gulfstream Aerospace Corporation** Aircraft Type Designation* **GV-SP**
(Commercial Designation) **G550**

Engine Manufacturer* **BMW Rolls-Royce** Engine Type Designation* **BR700-710C4-11**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **ASC 011, ASC 089 (G550 Modification, Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Cumulative Margin**
	Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit	
A15485	41.277	34.155	90,2	94,6	79,3	89,0	90,8	98,6	21,9

* Items so marked shall be included on EASA Form 45.

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Change Record

Issue	Date	Changes
Issue 1	22 March 2007	Initial Issue
Issue 2	30 April 2007	Revised
Issue 3	15 January 2008	Revised
Issue 4	19 November 2008	Revised
Issue 5	21 July 2010	Revised
Issue 6	10 December 2010	Update of the modification field, new records for chapter 4 recertification