

SWIFTBROADBAND TYPE APPROVED SYSTEMS

1.1. Notes for ESAS activation of “Swift64/Classic” Associated Systems:

- All Swift64/Classic Systems shall contain the widened frequency check algorithm and be activated in ESAS as “Category A” (as default).
- Only aircraft that are protecting non-standard (GPS) navigational system (e.g., Glonass) are permitted to be activated as Cat-B. (Type F diplexer does not require a Frequency Check Algorithm) [Receiver L-band: 1525 -1559MHz]

Note: Inmarsat’s spectrum management is optimised to make available for the majority of the users, the larger channel pools (Cat-A).

1.2. Notes for Swift64 Type Approval:

- All AESs shall be compliant to CP-080 (GPS inter-modulation protection as the default <1585MHz) [Cat-A = 34MHz tuning].
- All AESs shall have a Ocean Region Registration process repeat timer value of 30 minutes (TM079).

1.3. The following tables identify:

- Type Approved SwiftBroadband Systems (consisting of the Antenna, DLNA & Avionics)
- Antennas Assessed for SwiftBroadband Usage.
- DLNAs Assessed for SwiftBroadband Usage.
- Avionics Assessed for SwiftBroadband Usage.

The order of the Approval/Assessment entries within the following tables is Alpha-Numerical and is based upon the Class of UE together with the Manufacturers/Integrators Unique Two Digit Identification code e.g., S6IN01 (SBB + Class 6 + Inmarsat + 01-99).

- | | |
|--|---|
| – AA = AeroAntenna Technology Inc, [M] | – HW = Honeywell Aerospace, [M] |
| – BA = Ball Aerospace & Technologies Corp, [M] | – LF = Lufthansa Technik AG [I] |
| – BO = Boeing [I] | – RK = Rockwell Collins, [M] |
| – CD = COM Dev International Ltd [M] | – SV = Seavey Engineering Associates, [M] |
| – CH = Omnipless/Chelton Inc/Cobham, [M] | – TH = Thales Avionics Ltd [M] |
| – CM = CMC Electronics, [M] | – TT = Thrane & Thrane AS, [M] |
| – ES = EMS Technologies Canada Ltd [M] | – GN = Gotonomi, [M] |

For Aeronautical Type Approval information & queries, related to this list, please contact Christophe.Joubard@viasat.com

For SwiftbroadBand Product related issues/information, please contact Ashutosh.Prasad@Viasat.com.

2. TYPE APPROVED SUMMARY TABLE

“Multi-Channel” = 2 * SBB channels or 1 * SBB channel + Classic.

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
	Boeing								
S6BO01		5BOP20	Yes	76BO20	B6ES04	HSD-440	Ball Airlink HGAS	Multi-Channel	May 2010
S6BO02		5BOP21	Yes	76BO20	B6ES03	HSD-400	Ball Airlink HGAS	Multi-Channel	July 2010
S6BO03		5BOP22	Yes	N/A	B6TH02	Thales Top Flight	CMA-2102SB	Multi-Channel	Jan 2012
S7BO01		5BOP23	Yes	N/A	B7TH02	Thales Top Flight	CMA-2200SB	Single-Channel	Jun 2012
S7BO02		5BOP24	Yes	N/A	B7TH02	Thales Top Flight	CMA-2200SB	Multi-Channel	Jun 2012
	Chelton Inc/Cobham/Omnipless								
S6CH01		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-7000	Multi-Channel	May 2009
S6CH02		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-7001	Multi-Channel	May 2009
S6CH03		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-8000	Multi-Channel	May 2009
S6CH04		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-6000/6500	Single-Channel	Sep 2009
S6CH05		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-7000	Single-Channel	Sep 2009
S6CH06		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-7001	Single-Channel	Sep 2009
S6CH07		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	HGA-6000/6500	Multi-Channel	Nov 2009

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6CH08		N/A	N/A	N/A	B6CH02	SDU-7315	HGA-6000/6500	Single-Channel	Nov 2010
S7CH01		N/A	N/A	N/A	B7CH01	SDU-7320, 7330	IGA-5001	Multi-Channel	Jun 2010
S7CH02		N/A	N/A	N/A	B7CH01	SDU-7320, 7330	IGA-5006	Single-Channel	Dec 2009
S7CH03		N/A	N/A	N/A	B7CH02	SDU-7315	IGA-5006	Single-Channel	Nov 2010
S15CH01		N/A	N/A	N/A	B15CH01	SDU-7310	LGA-3000	Single-Channel	Feb 2011
S7CH04		N/A	N/A	N/A	B7CH02	SDU-7315	IGA-5001	Single-Channel	Dec 2011
S6CH09		N/A	N/A	N/A	B6CH03	SDU-7330-004	HGA-7000	Multi-Channel (4xSBB)	Apr 2012
S6CH10		N/A	N/A	N/A	B6CH03	SDU-7330-004	HGA-7001	Multi-Channel (4xSBB)	Apr 2012
S6CH11		N/A	N/A	N/A	B6CH03	SDU-7330-004	HGA-6000/6500	Multi-Channel (4xSBB)	Apr 2012
S6CH12		N/A	N/A	N/A	B6CH01	SDU-7320, 7330	AMT-50	Single-Channel	Apr 2012
S6CH13		N/A	N/A	N/A	B6TT01	Aviator 350/350D	HGA-8000	Single-Channel	May 2019
S7CH05		N/A	N/A	N/A	B7CH03	SDU-7330-004	CMA-2200SB	Multi-Channel (4xSBB)	May 2012
S7CH06		N/A	N/A	N/A	B7CH03	SDU-7330-004	IGA-5001	Multi-Channel (4xSBB)	May 2012
S4CH01		N/A	Yes	N/A	B4TT01	Aviator UAV 200	N/A=./po	Single-Channel	Dec 2016
EMS Technologies Canada Ltd									

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6ES01		N/A	N/A	76ES09	B6ES02	HSD-400i	AMT-50	Multi-Channel	May 2008
S6ES02		N/A	N/A	76ES08	B6ES03	HSD-400	AMT-50	Multi-Channel	May 2008
S6ES03	002 003	N/A	N/A	76ES09	B6ES02	HSD-400i	AMT-3800	Multi-Channel	Dec 2008
S6ES04		N/A	N/A	76ES08	B6ES03	HSD-400	AMT-3800	Multi-Channel	Dec 2008
S6ES05		5ESP08 5ESP14	Yes	76ES10	B6ES04	HSD-440	AMT-3800	Multi-Channel	Oct 2010
S6ES06		5ESP09 5ESP15	Yes	76ES10	B6ES04	HSD-440	AMT-50	Multi-Channel	Oct 2010
S6ES07	002 003	na	Yes	76ES09	B6ES02	HSD-400i	AMT-700	Multi-Channel	July 2010
S6ES08		5ESP13 5ESP16	Yes	76ES10	B6ES04	HSD-440	AMT-700	Multi-Channel	Oct 2010
S7ES01		N/A	N/A	N/A	B7ES01	HSD-400i	AMT-3500	Multi-Channel	Aug 2009
S15ES01		N/A	N/A	N/A	B15ES01	HSD-Xss1 Aspire 200 LG	Sensor System Omni	Single-Channel	May 2011
S6ES09		N/A	Yes	76ES11	B6ES05	HSD400i+2x HSDXi	AMT-50	Multi-Channel (4xSBB)	Mar 2012
S7ES02		N/A	Yes	N/A	B7ES02	Aspire 200 IG	AMT-3500	Single-Channel	May 2011
S6ES10		N/A	Yes	76ES12	S6es	Aspire 200 HG	AMT-3800	Single-Channel	May 2011
S6ES11		N/A	Yes	76ES12	B6ES06	Aspire 200 HG	AMT-700	Single-Channel	May 2011

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S15ES02		N/A	Yes	N/A	B15ES01	Aerowave 100	AT1675-180	Single-Channel	May 2014
S7ES03		N/A	Yes	N/A	B7ES02	Aspire 200 IG	AMT-1800	Single-Channel	Jun 2014
S6ES12		5ESP17	Yes	76ES16	B6ES04	HSD-440	CMA-2102SB	Multi-Channel	Sep 2015
S15ES03		N/A	Yes	N/A	B15ES01	Aerowave 100 V2	AT1595-13	Single-Channel	Sep 2015
S6ES13		5ESP18	Yes	76ES17	B6ES07	HSD440+HSDXi (x2)	AMT-50	Multi-Channel	Dec 2016
S6ES14		5ESP19	Yes	76ES17	B6ES07	HSD440+HSDXi (x2)	AMT-3800	Multi-Channel	Dec 2016
S6ES15		5ESP20	Yes	76ES17	B6ES07	HSD440+HSDXi (x2)	AMT-700	Multi-Channel	Dec 2016
	Honeywell Aerospace								
S6HW01		5HWP41 5HWP61	Yes	76HW07	B6HW01	MCS-7120	AMT-50	Multi-Channel	Oct 2010
S6HW02		5HWP17	Yes	76HW06	B6HW02	MCS-7147	AMT-50	Multi-Channel	Aug 2008
S6HW03		5HWP50	Yes	76HW06	B6HW02	MCS-7163	HGA-6000/6500	Multi-Channel	Nov 2008
S6HW04		5HWP49	Yes	76HW06	B6HW02	MCS-7147	HGA-6000/6500	Multi-Channel	Nov 2008
S6HW05		5HWP48 5HWP62	Yes	76HW07	B6HW01	MCS-7120	HGA-6000/6500	Multi-Channel	Oct 2010
S6HW06		5HWP30	Yes	76HW03	B6HW03	MCS-7200	CMA-2102SB	Multi-Channel	Mar 2009
S6HW07		5HWP47	Yes	76HW03	B6HW03	MCS-7200	HGA-6000/6500	Multi-Channel	May 2009

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6HW08		5HWP03	Yes	76HW06	B6HW02	MCS-7163	AMT-50	Multi-Channel	May 2009
S6HW09		5HWP42	Yes	76HW03	B6HW03	MCS-7200	HGA-7001	Multi-Channel	Dec 2009
S6HW10		5HWP52	Yes	76HW06	B6HW02	MCS-7163	HGA-7001	Multi-Channel	Dec 2009
S6HW11		5HWP53	Yes	76HW06	B6HW02	MCS-7147	HGA-7001	Multi-Channel	Dec 2009
S6HW12		5HWP54 5HWP63	Yes	76HW07	B6HW01	MCS-7120	HGA-7001	Multi-Channel	Oct 2010
S6HW13		5HWP55 5HWP64	Yes	76HW07	B6HW01	MCS-7120	AMT-3800	Multi-Channel	Oct 2010
S6HW14	002	5HWP45	Yes	76HW06	B6HW02	MCS-7147	AMT-3800	Multi-Channel	Jul 2010
S6HW15	002	5HWP44	Yes	76HW06	B6HW02	MCS-7163	AMT-3800	Multi-Channel	Jul 2010
S6HW16		5HWP43	Yes	76HW03	B6HW03	MCS-7200	AMT-3800	Multi-Channel	Jul 2010
S6HW17		5HWP56 5HWP65	Yes	76HW07	B6HW01	MCS-7120	AMT-700	Multi-Channel	Oct 2010
S6HW18	002	5HWP57	Yes	76HW06	B6HW02	MCS-7147	AMT-700	Multi-Channel	Jul 2010
S6HW19	002	5HWP58	Yes	76HW06	B6HW02	MCS-7163	AMT-700	Multi-Channel	Jul 2010
S6HW20		5HWP59	Yes	76HW03	B6HW03	MCS-7200	AMT-50	Multi-Channel	Jul 2010
S6HW21		5HWP60	Yes	76HW03	B6HW03	MCS-7200	AMT-700	Multi-Channel	Jul 2010
S6HW22		5HWP29	Yes	N/A	B6HW02	MCS-7147	CMA-2102SB	Multi-Channel	Apr 2013

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6HW23		5HWP67	Yes	N/A	B6HW02	MCS-7147	Ball Airlink HGAS	Multi-Channel	Apr 2019
S6HW24	001 002	N/A	Yes	N/A	B6HW04	Aspire 400	AMT-3800	Multi-Channel	Oct 2020
S6HW25	001 002	N/A	Yes	N/A	B6HW04	Aspire 400	HGA-7001	Multi-Channel	Oct 2020
S6HW26	001	N/A	Yes	N/A	B6HW04	Aspire 400	AMT-700	Multi-Channel	Oct 2024
S6HW27	001	N/A	Yes	N/A	B6HW04	Aspire 400	AMT-3800	Multi-Channel	Jun 2024
S7HW01	001 002	N/A	Yes	N/A	B7HW01	Aspire 400	AMT-1800	Multi-Channel	Oct 2020
S7HW02	001 002	N/A	Yes	N/A	B7HW01	Aspire 400	CMA-2200SB	Multi-Channel	Oct 2020
S7HW03		N/A	Yes	N/A		Small Satcom + 5G	AMT+1800	Single-Channel	Nov 2024
S15HW01	001 002	N/A	Yes	N/A	B15HW01	Small Satcom UAV	AAT:1595-13BK Rev C	Single-Channel	Feb 2021
S15HW02		N/A	Yes	N/A	B15HW02	Small Satcom + 5G	AAT:1595-13BK Rev C	Single-Channel	Oct 2024
	Lufthansa Technik								
S6LF01		5HWP29	Yes	N/A	B6HW02	MCS-7147	CMA-2102SB	Multi-Channel	Sep 2009
S6LF02		5HWP04	Yes	N/A	B6HW02	MCS-7163	CMA-2102SB	Multi-Channel	July 2010
S6LF03		5LFP01	Yes	76LF01	B6ES04	HSD-440	HGA-7001	Multi-Channel	Sep 2011

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6LF04		5LFP02	Yes	76LF02	B6HW03	MCS-7200	Ball Airlink HGAS	Multi-Channel	June 2012
	Rockwell Collins								
S6RK01		5RKP19	Yes	76RK06	B6RK01	SRT-2100B	AMT-50	Multi-Channel	May 2009
S6RK02		5RKP17	Yes	76RK06	B6RK01	SRT-2100B	HGA-7001	Multi-Channel	May 2009
S6RK03		5RKP22*	Yes	76RK02	B6RK02	SAT-906B	HGA-7001	Multi-Channel	Dec 2009
S6RK04		5RKP23	Yes	76RK02	B6RK02	SAT-906B	CMA-2102SB	Multi-Channel	Dec 2009
S6RK05		5RKP21	Yes	76RK06	B6RK01	SRT-2100B	CMA-2102SB	Multi-Channel	Jan 2010
S6RK06		5RKP16	Yes	76RK06	B6RK01	SRT-2100B	AMT-3800	Multi-Channel	Feb 2010
S6RK07		5RKP26	Yes	Na	B6RK03	SAT-2200	HGA-7001	Multi-Channel	Jun 2011
S6RK08		5RKP24*	Yes	76RK02	B6RK02	SAT-906B	AMT-50	Multi-Channel	Sep 2011
S6RK09		5RKP27	Yes	76RK08	B6RK05	SAT-2200A	HGA-7001	Multi-Channel	Aug 2014
S6RK10		5RKP28*	Yes	76RK06	B6RK01	SAT-2100B	AMT-700	Multi-Channel	Mar 2012
S6RK11		5RKP29	Yes	76RK06	B6RK01	SAT-2100B	HGA-7000	Multi-Channel	Nov 2011
S6RK12		5RKP30*	Yes	NA	B6RK04	SAT-2200	HGA-7001	Multi-Channel	Feb 2012
S6RK13		5RKP26*	Yes	NA	B6RK03	SAT-2200	HGA-7001	Multi-Channel	Feb 2012
S6RK14		5RKP31	Yes	76RK11	B6RK06	SAT-2200-2	AMT-700	Multi-Channel	Jul 2012

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6RK15		5RKP32	Yes	N/A	B6RK04	SAT-2200	CMA-2102SB	Multi-Channel	PCTA April 2012
S6RK16		5RKP33	Yes	76RK02	B6RK02	SAT-906B	AMT-700	Multi-Channel	Sep 2012
S6RK17		5RKP36	Yes	N/A	B6RK04	SAT-2200-2	AMT-3800	Multi-Channel	Jan 2018
S6RK18		5RKP37	Yes	76RK13	B6RK06	SAT-2200-2	AMT-3800	Multi-Channel	Mar 2017
S6RK19		5RKP38	Yes	N/A	B6RK07	SAT-2200B	HGA-7001	Multi-Channel	Aug 2017
	Thales Avionics Ltd								
S6TH01		Pending (5THP02)*	Yes	N/A	B6TH01	TopFlight	AMT-3800	Multi-Channel	May 2009
S6TH03		5THP01	Yes	N/A	B6TH01	TopFlight	HGA-7001	Multi-Channel	May 2010
S7TH01		N/A	N/A	N/A	B7TH01	TopFlight	AMT-3500	Single-Channel	Jan 2009
S6TH04		5THP01	Yes	N/A	B6TH01	TopFlight	HGA-7001	Multi-Channel	Dec 2011
S6TH05		5THP03	Yes	N/A	B6TH02	Thales TopFlight	CMA-2102SB	Multi-Channel	Jan 2012
S6TH06		5THP04	Yes	N/A	B6TH02	Thales TopFlight	HGA-7001	Multi-Channel	Feb 2012
	Thrane & Thrane AS								
S6TT01		N/A	N/A	N/A	B6TT01	Aviator 350/350D	AMT-50	Single-Channel	May 2009
S6TT02		N/A	N/A	N/A	B6TT01	Aviator 350/350D	HGA-6000/6500	Single-Channel	Jun 2009

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S6TT03		5TTP12	Yes	76TT12	B6TT02	Aviator 700/700D	AMT-50	Multi-Channel	Jan 2010
S6TT04		5TTP14	Yes	76TT12	B6TT02	Aviator 700/700D	HGA-7000	Multi-Channel	Jan 2010
S7TT01		N/A	N/A	N/A	B7TT01	Aviator 300/300D	TT-5006A	Single-Channel	Nov 2008
S15TT01		N/A	N/A	N/A	B15TT01	Aviator 200/200D	TT-3002	Single-Channel	Oct 2010
S6TT05		N/A	N/A	N/A	B6TT01	Aviator 350/350D	AMT-700	Single-Channel	Oct 2011
S6TT06		N/A	N/A	N/A	B6TT01	Aviator 350/350D	HGA-7001	Single-Channel	Nov 2011
S6TT07		5TTP20	Yes	76TT30	B6TT02	Aviator 700/700D	AMT-700	Multi-Channel	Mar 2012
S7TT02		N/A	Yes	N/A	B7TT01	Aviator 300/300D	IGA-5001	Single-Channel	Mar 2012
S6TT08		N/A	Yes	N/A	B6TT01	Aviator 350/350D	CMA-2102	Single-Channel	Mar 2012
S6TT09		N/A	Yes	N/A	B6TT01	Aviator 350/350D	HGA-7000	Single-Channel	Mar 2012
S6TT10		5TTP21	Yes	76TT31	B6TT02	Aviator 700/700D	HGA-6000	Multi-Channel	Mar 2012
S6TT11		N/A	Yes	Na	B6TT01	Aviator 350/350D	AMT-3800	Single-Channel	Sep 2012
S6TT12		5TTP22	Yes	76TT32	B6TT02	Aviator 700/700D	HGA-7001	Multi-Channel	Nov 2012
S15TT02		N/A	Yes	N/A	B15TT01	Aviator 200/200D	LGA-3000	Single-Channel	Dec 2013
S6TT13		5TTP23	Yes	76TT32	B6TT02	Aviator 700/700D	BALL Airlink HGAS	Multi-Channel	Dec 2013
S6TT14	002 003	N/A	Yes	N/A	B6TT03	Aviator 700S	HGA-7001	Multi-Channel	Sep 2022

SBB	TAP	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	NO CHANNELS	DATE
S4TT01	002	N/A	Yes	N/A	B4TT02	Aviator 200S	HELGA (LGA- 5005)	Single-Channel	Apr 2020 Revised: 28/01/2022
S4TT01	004 005	N/A	Yes	N/A	B4TT02	Aviator 200s	HELGA (LGA-5005)	Single-Channel	Mar 2024
S4TT01	006	N/A	Yes	N/A	B4TT02	Aviator 200s	HELGA LTE (LGA-5005)	Single-Channel	Apr 2025
Gotonomi									
S4GN01	001	N/A	Yes	N/A	B4GN01	Velaris 200	N/A	Single-Channel	Oct 2024

* Classic Interworking Flight Trial required on 1st Installation.

** System PIM data required on 1st Installation.

3. TEST SYSTEM SUMMARY TABLE

SBB	CLASSIC	I4 PROVEN	SWIFT64	AVIONICS	MODEL NAME	ANTENNA	COMMENTS
S6TH22	Pending	N/A	N/A	B6TH01	TopFlight	Racal Helix "Land Test"	Part No: 1616-000 12dBi Gain
S6HW29	5HWP51	Yes	76HW07 76HW06 76HW03	B6HW03 B6HW02 B6HW01	MCS-7200 MCS-7163 MCS-7147 MCS-7120	Racal Helix "Land Test"	Part No: 1616-000 12dBi Gain
S6ES27	5ESP10	Yes	76ES10 76ES09 76ES08	B6ES04 B6ES03 B6ES02	HSD-440 HSD-400 HSD-400i	Seavey Model: 9227- 800/810 "Land Test"	Part No: 1152-A-0450 16dBi Gain*: A Mandatory, 4dB attenuation is required in both the Transmit & Receive paths.

* The nominal SBB Class 6 Transmit Power is 20dBW (using a 12dBi Antenna Gain) and a typical Receive C/No of 64dB/Hz.

Note: Care should be exercised in matching non-standard SBB configurations, as any SBB Avionics not operated with respect to the nominal/typical operating range (for both the transmit and receive capabilities) will result in unrealistic/unrepeatable data being obtained compared to the normal operation. Furthermore, increasing the transmit EIRP beyond the nominal range will result in a degradation in QoS.

4. SWIFTBROADBAND TYPE APPROVED SYSTEMS

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6BO01 Class 6, Multi-Channel 18th May 2010 Boeing	AHBA01	Ball Aerospace & Technologies Corp	Airlink HGAS	DTFCM01	COM DEV International Ltd	Type F	B6ES04	EMS Technologies Canada Ltd	HSD-400	6
							Associated Systems			
							Aero Classic 5BOP20 I4 Operation		Swift64 76BO20	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6BO02 Class 6, Multi-Channel 23rd July 2010 Boeing	AHBA01	Ball Aerospace & Technologies Corp	Airlink HGAS	DTFCM01	COM DEV International Ltd	Type F	B6ES03	EMS Technologies Canada Ltd	HSD-400	6
							Associated Systems			
							Aero Classic 5BOP21 I4 Operation		Swift64 76BO20	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6BO03 Class 6, Multi-Channel 17th January 2012 Boeing	AHCM01	CMC Electronics	CMA- 2102SB	DTFCM01	COM DEV International Ltd	Type F	B6TH02	Thales	TopFlight	6
							Associated Systems			
							Aero Classic 5BOP22		N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7BO01 Class 7, Single-Channel 7th June 2012 Boeing	AICM02	CMC Electronics	CMA- 2200SB	DTFCM01	COM DEV International Ltd	Type F	B7TH02	Thales	TopFlight	7
							Associated Systems			
							Aero Classic 5BOP23		N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7BO02 Class 7, Multi-Channel 7th June 2012 Boeing	AICM03	CMC Electronics	CMA- 2200SB	DTFCM01	COM DEV International Ltd	Type F	B7TH02	Thales	TopFlight	7
							Associated Systems			
							Aero Classic 5BOP24		N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH01 Class 6, Multi-Channel	AHCH02	Omnipless/ Chelton Inc/ Cobham	HGA-7000	DTACH01 (HPA-7450)	DAU:7060 Omnipless/Chelton Inc/Cobham	Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
29th May 2009				DTACH02 (HPA-7450)	DAU: 7050 COM DEV International Ltd	Modified Type A	Associated Systems			
Omnipless/ Chelton Inc /Cobham				DTFCM01	DAU:7070	Type F	None		None	
				(HPA-7400) (HPA-7450)	COM DEV International Ltd					
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH02 Class 6, Multi-Channel	AHCH04	Omnipless/ Chelton Inc/ Cobham	HGA-7001	DTACH01 (HPA-7450)	DAU:7060 Omnipless/Chelton Inc/ Cobham	Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
29th May 2009				DTACH02 (HPA-7450)	DAU: 7050 COM DEV International Ltd	Modified Type A	Associated Systems			
Omnipless/ Chelton Inc /Cobham				DTFCM01 (HPA-7400) (HPA-7450)	DAU:7070 COM DEV International Ltd	Type F	None		None	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assess ment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH03 29th May 2009 Omnipless/ Chelton Inc /Cobham	Class 6, Multi- Channel AHCH03	Omnipless/ Chelton Inc/ Cobham	HGA-8000	DTFCM01 (HPA-7400)	DAU:7070 COM DEV International Ltd	Type F	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
							Associated Systems			
							None		None	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assess ment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH04 Class 6, Single-Channel 2nd Sept 2009 Omnipless/ Chelton Inc /Cobham	AHCH01	Omnipless/ Chelton Inc/ Cobham	HGA-6000 HGA-6500 Different Radome Materials	DTACH03 HLD-7260 Integrated: HPA, LNA & Diplexer. (Single- Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
							Associated Systems			
							None		None	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA					
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class		
S6CH05 Class 6, Single-Channel 4 th Sept 2009 Omnipless/ Chelton Inc /Cobham	AHCH02	Omnipless/ Chelton Inc/ Cobham	HGA-7000	DTACH03	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6		
				HLD-7260			Associated Systems					
				Integrated: HPA, LNA & Diplexer. (Single- Channel)			None		None			
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).												

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA				
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class	
S6CH06 Class 6, Single-Channel 4th Sept 2009 Omnipless/ Chelton Inc /Cobham	AHCH04	Omnipless/ Chelton Inc/ Cobham	HGA-7001	DTACH03	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6	
				Associated Systems							
				None			None				
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).											

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH07 Class 6, Multi-Channel 25th Nov 2009 Omnipless/ Chelton Inc /Cobham	AHCH01	Omnipless/ Chelton Inc/ Cobham	HGA-6000 HGA-6500	DTACH01 (HPA-7450)	DAU:7060 Omnipless/Chelton Inc/ Cobham	Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
			Different Radome Materials	DTACH02 (HPA-7450)	DAU: 7050 COM DEV International Ltd	Modified Type A				
						DTFCM01 (HPA-7400) (HPA-7450)	DAU:7070 COM DEV International Ltd	Type F	None	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH08 Class 6, Single-Channel 26th Nov 2010 Omnipless/ Chelton Inc /Cobham	AHCH01	Omnipless/ Chelton Inc/ Cobham	HGA-6000 HGA-6500	DTACH03 HLD-7260 (Single- Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B6CH02	Omnipless/ Chelton Inc/ Cobham	SDU-7315	6
Associated Systems										
None			None							
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH13 Class 6, Single-Channel 9th May 2019 Omnipless/ Chelton Inc /Cobham	AHCH03	Omnipless/ Chelton Inc/ Cobham	HGA-8000	DTSTT01 TT-5016A Integrated HPA, LNA & Diplexer.	Thrane & Thrane AS	Type 'S'	B6TT01	Omnipless/ Chelton Inc/ Cobham	Aviator 350/350D	6
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH01 Class 7, Multi-Channel 3rd June 2010 Omnipless/ Chelton Inc /Cobham	AICH02	Omnipless/ Chelton Inc/ Cobham	IGA-5001	DTACH01 (HPA-7450)	DAU:7060 Omnipless/ Chelton Inc/ Cobham	Type A*	B7CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	7
				DTACH02 (HPA-7450)	DAU: 7050 COM DEV International Ltd	Modified Type A	Associated Systems			
				DTFM01 (HPA-7400) (HPA-7450)	DAU:7070 COM DEV International Ltd	Type F	None		None	
				DTACH03 (HLD-7260) (Single-Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*				

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH02 Class 7, Single-Channel 17th Dec 2009 Omnipless/ Chelton Inc /Cobham	AICH01	Omnipless /Chelton Inc /Cobham	IGA-5006	DTACH03 HLD-7260 (Single-Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B7CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	7
				DTACH01 (HPA-7450)	DAU:7060 Omnipless/ Chelton Inc/ Cobham	Type A*	Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH03 Class 7, Single-Channel 26th Nov 2010 Omnipless/ Chelton Inc /Cobham	AICH01	Omnipless /Chelton Inc /Cobham	IGA-5006	DTACH03 HLD-7260 (Single-Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B7CH02	Omnipless/ Chelton Inc/ Cobham	SDU-7315	7
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH04 Class 7, Single-Channel 6th Dec 2011 Omnipless/ Chelton Inc /Cobham	AICH02	Omnipless /Chelton Inc /Cobham	IGA-5001	DTACH03 HLD-7260 (Single-Channel)	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B7CH02	Omnipless/ Chelton Inc/ Cobham	SDU-7315	7
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S15CH01 Class 15 Single-Channel 24thFeb 2011 Omnipless/ Chelton Inc /Cobham	ALCH01	Omnipless /Chelton Inc /Cobham	LGA-3000	DTACH03 HLD-7260 (Single-Channel)	Omnipless/ Chelton Inc/ Cobham		B15CH01	Omnipless/ Chelton Inc/ Cobham	SDU-7310.	15
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH09 Class 6, Multi-Channel (4xSBB) 13th April 2012 Omnipless/ Chelton Inc /Cobham	AHCH02	Omnipless/ Chelton Inc/ Cobham	HGA-7000	DTFCM01	DAU:7070 COM DEV International Ltd	Type F	B6CH03	Omnipless/ Chelton Inc/ Cobham	SDU-7330-004.	6
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH10 Class 6, Multi-Channel (4xSBB) 13th April 2012 Omnipless/ Chelton Inc /Cobham	AHCH04	Omnipless/ Chelton Inc/ Cobham	HGA-7001	DTFCM01	DAU:7070 COM DEV International Ltd	Type F	B6CH03	Omnipless/ Chelton Inc/ Cobham	SDU-7330-004.	6
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH11 Class 6, Multi-Channel (4xSBB) 13th April 2012 Omnipless/ Chelton Inc /Cobham	AHCH01	Omnipless/ Chelton Inc/ Cobham	HGA-6000 HGA-6500	DTFCM01	DAU:7070 COM DEV International Ltd	Type F	B6CH03	Omnipless/ Chelton Inc/ Cobham	SDU-7330-004.	6
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6CH012 Class 6, Single-Channel 20th April 2012 Omnipless/ Chelton Inc /Cobham	AHES02	EMS Technologies Canada Ltd	AMT-50	DTACH03	Omnipless/ Chelton Inc/ Cobham	Mod Type A*	B6CH01	Omnipless/ Chelton Inc/ Cobham	SDU- 7320, 7330.	6
				Integrated: HPA, LNA & Diplexer. (Single-Channel)			Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH05 Class 7, Multi-Channel 29th May 2012 Omnipless/ Chelton Inc /Cobham	AICM03	CMC Electronics	CMA- 2200SB	DTFCD01	COM DEV International Ltd	Type F	B7CH03	Omnipless/ Chelton Inc/ Cobham	SDU-7330-004	7
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7CH06 Class 7, Multi-Channel 29 th May 2012 Omnipless/ Chelton Inc /Cobham	AICH02	Omnipless/ Chelton Inc/ Cobham	IGA-5001	DTFCD01	COM DEV International Ltd	Type F	B7CH03	Omnipless/ Chelton Inc/ Cobham	SDU-7330-004	7
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S4CH01 Class 4, Single-Channel 14 th Dec 2016 Omnipless/ Chelton Inc /Cobham	N/A	Omnipless/ Chelton Inc/ Cobham	N/A	DTFCD01	N/A	Type F	N/A	Omnipless/ Chelton Inc/ Cobham	N/A	4
							Associated Systems			
							None		None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6ES01</div> <div>Class 6, Multi-Channel</div> <div>28th May 2008</div> <div>EMS Technologies Canada Ltd</div>	AHES02	EMS Technologies Canada Ltd	AMT-50	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Type A* (Cambridge)	B6ES02	EMS Technologies Canada Ltd	HSD-400i	6
				DTFCM01	COM DEV International Ltd	Type F	Associated Systems			
							Aero Classic None		Swift64 76ES09	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA						
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class			
S6ES02 Class 6, Multi-Channel 28th May 2008 EMS Technologies Canada Ltd	AHES02	EMS Technologies Canada Ltd	AMT-50	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Type A* (Cambridge)	B6ES03	EMS Technologies Canada Ltd	HSD-400	6			
							Associated Systems						
							Aero Classic None		Swift64 76ES08				
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).													

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6ES03</div> <div>Class 6, Multi-Channel</div> <div>8th Dec 2008</div> <div>EMS Technologies Canada Ltd</div>	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Mod Type A	B6ES02	EMS Technologies Canada Ltd	HSD-400i	6
<div>TAP 002: Class 6</div> <div>HDR (13th June 2018)</div>				DTFCM01	COM DEV International Ltd	Type F	Associated Systems			
<div>TAP 003: Class 6-2</div> <div>Helo (13th June 2018)</div>							Aero Classic None		Swift64 76ES09	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6ES04</div> <div>Class 6, Multi-Channel</div> <div>8th Dec 2008</div> <div>EMS Technologies Canada Ltd</div>	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Mod Type A	B6ES03	EMS Technologies Canada Ltd	HSD-400	6
				DTFCM01	COM DEV International Ltd	Type F	Associated Systems			
							Aero Classic None		Swift64 76ES08	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES05 Class 6, Multi-Channel 29th Oct 2010 EMS Technologies Canada Ltd	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Mod Type A	B6ES04	EMS Technologies Canada Ltd	HSD-440	6
							Associated Systems			
				DTFCM01	COM DEV International Ltd	Type F	Aero Classic 5ESP08 (Mk1) 5ESP14 (Mk2) I4 Operation		Swift64 76ES10	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES06 Class 6, Multi-Channel 29th Oct 2010 EMS Technologies Canada Ltd	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6ES04	EMS Technologies Canada Ltd	HSD-440	6
							Associated Systems			
							Aero Classic 5ESP09 (Mk1) 5ESP15 (Mk2) I4 Operation		Swift64 76ES10	
Type A*: The DLNA has been assessed by Inmarsat as meeting the extended frequency band requirements (similar to a Modified Type A).										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES07 Class 6, Multi-Channel 22 nd July 2010 EMS Technologies Canada Ltd	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6ES02	EMS Technologies Canada Ltd	HSD-400i	6
							Associated Systems			
							Aero Classic None		Swift64 76ES09	
TAP 002: Class 6 HDR (13 th Jun 2018)	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6ES02	EMS Technologies Canada Ltd	HSD-400i	6
TAP 003: Class 6-2 Helo (13 th Jun 2018)										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES08 Class 6, Multi-Channel 29 th Oct 2010 EMS Technologies Canada Ltd	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6ES04	EMS Technologies Canada Ltd	HSD-440	6
							Associated Systems			
							Aero Classic 5ESP13 (Mk1) 5ESp16 (Mk2) I4 Operation		Swift64 76ES10	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7ES01 Class 7, Multi-Channel 14th Aug 2009 EMS Technologies Canada Ltd	AIES01	EMS Technologies Canada Ltd	AMT-3500	DTAES01	EMS Technologies Canada Ltd	ARINC 741 Mod Type A	B7ES01	EMS Technologies Canada Ltd	HSD-400i	7
				Associated Systems						
				DTFCM01	COM DEV International Ltd	Type F	Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S15ES01 Class 15, Single-Channel 5th May 2011 EMS Technologies Canada Ltd	S65-8282- 101	Sensor-System	Sensor-System Omni	DTSES01	EMS Technologies Canada Ltd	Type S	B15ES01	EMS Technologies Canada Ltd	HSD-Xss1	15
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES09 Class 6, Multi-Channel 1st March 2012 EMS Technologies Canada Ltd	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6ES05	EMS Technologies Canada Ltd	HSD-400i + 2x HSDXi	6
							Associated Systems			
							Aero Classic N/A		Swift64 76ES11	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7ES02 Class 7, Single-Channel 5th May 2011 EMS Technologies Canada Ltd	AIES01	EMS Technologies Canada Ltd	AMT-3500	DTSES01	EMS Technologies Canada Ltd	Type S	B7ES02	EMS Technologies Canada Ltd	HSD-200	7
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7ES03 Class 7, Single-Channel June 2014 EMS Technologies Canada Ltd	AIES02	EMS Technologies Canada Ltd	AMT-1800	DTSES01	MS Technologies Canada Ltd	Type S	B7ES02	EMS Technologies Canada Ltd	HSD-200	7
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES10 Class 6, Single-Channel 5th May 2011 EMS Technologies Canada Ltd	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTSES01	EMS Technologies Canada Ltd	Type S	B6ES06	EMS Technologies Canada Ltd	HSD-200	6
							Associated Systems			
							Aero Classic None		Swift64 TBD	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES11 Class 6, Single-Channel 5th May 2011 EMS Technologies Canada Ltd	AHES03	EMS Technologies Canada Ltd	AMT-700	DTSES01	EMS Technologies Canada Ltd	Type S	B6ES06	EMS Technologies Canada Ltd	HSD-200	6
							Associated Systems			
							Aero Classic None		Swift64 TBD	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S15ES02 Class 15, Single- Channel 9th May 2014 EMS Technologies Canada Ltd	ALAA01	AeroAntenna Technology Inc	AT1675-180	DTSES01	EMS Technologie s Canada Ltd	Type S	B15ES01	EMS Technologies Canada Ltd	HSD- Xss1	15
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES12 Class 6, Multi-Channel 25th Sep 2015 EMS Technologies Canada Ltd	AHCM01	CMC Electronics	CMA- 2102SB	DTFCD01	COM DEV International Ltd	Type F	B6ES04	EMS Technologies Canada Ltd	HSD-440	6
							Associated Systems			
							Aero Classic 5ESP17		Swift64 76ES16	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES13 Class 6, Multi-Channel 1st December 2016 EMS Technologies Canada Ltd	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6ES07	EMS Technologies Canada Ltd	HSD-440 + HSDXi (x2)	6
							Associated Systems			
							Aero Classic 5ESP18		Swift64 76ES17	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES14 Class 6, Multi-Channel 1st December 2016 EMS Technologies Canada Ltd	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6ES07	EMS Technologies Canada Ltd	HSD-440 + HSDXi (x2)	6
							Associated Systems			
							Aero Classic 5ESP19		Swift64 76ES17	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6ES15 Class 6, Multi-Channel 1st December 2016 EMS Technologies Canada Ltd	AHES03	MS Technologies Canada Ltd	AMT-700	TFCM01	COM DEV International Ltd	Type F	B6ES07	EMS Technologies Canada Ltd	HSD-440 + HSDXi (x2)	6
							Associated Systems			
							Aero Classic 5ESP20		Swift64 76ES17	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S15ES03 Class 15, Single-Channel 25th September 2015 EMS Technologies Canada Ltd (Bendix King)	ALAA02	AeroAntenna Technology Inc	AT1595-13	NA	NA (IPLD Integrated into the antenna)	NA	B15ES01	EMS Technologies Canada Ltd	HSD-Xss1	15
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW01 Class 6, Multi-Channel 29 th Oct 2010 Honeywell Aerospace	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6HW01	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP41 (Ph3) 5HWP61 (Ph4) I4 Operation		Swift64 76HW07	

Avionics Model Identification:MCS-7120 consists of HD-710 (SwiftBroadband/Swift64/Classic) "Standalone"

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW02 Class 6, Multi-Channel 15th August 2008 Honeywell Aerospace	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP17 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadband/Swift64) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW03 Class 6, Multi-Channel 14th Nov 2008 Honeywell Aerospace	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000 HGA-6500	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP50 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW04 Class 6, Multi-Channel 14th Nov 2008 Honeywell Aerospace	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000 HGA-6500	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP49 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW05 Class 6, Multi-Channel 29th Oct 2010 Honeywell Aerospace	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000 HGA-6500	DTFCM01	COM DEV International Ltd	Type F	B6HW01	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP48 (Ph3) 5HWP62 (Ph4) I4 Operation		Swift64 76HW07	

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW06 Class 6, Multi-Channel 6th Mar 2009 Honeywell Aerospace	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS-7200	6
							Associated Systems			
							Aero Classic 5HWP30 I4 Operation		Swift64 76HW03	

Avionics Model Identification: MCS-7200 (SwiftBroadband/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW07 Class 6, Multi-Channel 29th May 09 Honeywell Aerospace	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000 HGA-6500	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS-7200	6
							Associated Systems			
							Aero Classic 5HWP47 I4 Operation		Swift64 76HW03	

Avionics Model Identification: MCS-7200 (SwiftBroadband/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW08 Class 6, Multi-Channel 29th May 2009 Honeywell Aerospace	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP03 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW09 Class 6, Multi-Channel 15th Dec 2009 Honeywell Aerospace	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS-7200	6
							Associated Systems			
							Aero Classic 5HWP42 I4 Operation		Swift64 76HW03	

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW10 Class 6, Multi-Channel 16th Dec 2009 Honeywell Aerospace	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP52 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW11 Class 6, Multi-Channel 17th Dec 2009 Honeywell Aerospace	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP53 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW12 Class 6, Multi-Channel 29th Oct 2010 Honeywell Aerospace	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6HW01	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP54 (Ph3) 5HWP63 (Ph4) I4 Operation		Swift64 76HW07	

Avionics Model Identification: MCS-7120 consists of an HD-710 “Standalone” (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW13 Class 6, Multi-Channel 29th Oct 2010 Honeywell Aerospace	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6HW01	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP55 (Ph3) 5HWP64 (Ph4) I4 Operation		Swift64 76HW07	

Avionics Model Identification: MCS-7120 consists of an HD-710 “Standalone” (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW14 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace TAP002: Class 6 HDR 13 th June	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP45 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW15 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace TAP002: Class 6 HDR 13 th June	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP44 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW16 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS-7200	6
							Associated Systems			
							Aero Classic 5HWP43 I4 Operation		Swift64 76HW03	

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW17 Class 6, Multi-Channel 29th Oct 2010 Honeywell Aerospace	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6HW01	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP56 (Ph3) 5HWP65 (Ph4) I4 Operation		Swift64 76HW07	

Avionics Model Identification: MCS-7120 consists of an HD-710 "Standalone" (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW18 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace TAP002: Class 6 HDR 13 th June 2018	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
								Aero Classic 5HWP57 I4 Operation	Swift64 76HW06	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6HW19</div> <div>Class 6, Multi-Channel</div> <div>22nd July 2010</div> <div>Honeywell Aerospace</div> <div>TAP002: Class 6 HDR 13th June 2018</div>	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP58 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand/Swift64) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW20 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS- 7200	6
							Associated Systems			
							Aero Classic 5HWP59 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW21 Class 6, Multi-Channel 22nd July 2010 Honeywell Aerospace	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS- 7200	6
							Associated Systems			
							Aero Classic 5HWP60 I4 Operation		Swift64 76HW06	

Avionics Model Identification: MCS-7200 (SwiftBroadBand/Swift64/Classic).

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW22 Class 6, Multi-Channel 16th April 2013 Honeywell Aerospace	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCD01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP29 I4 Operation Sept 2009		Swift64 None	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW23 Class 6, Multi-Channel 16th April 2020 Honeywell Aerospace	AHBA01	Ball Aerospace & Technology Corp	Airlink HGAS	DTFCM01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP67 I4 Operation April 2020		Swift64 None	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA									
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class						
<div>S6HW24</div> <div>Class 6, Multi-Channel</div> <div>21st Oct 2020</div> <div>Honeywell Aerospace</div> <div><table><tr><td>TAP 001</td><td>HDR</td><td>21st Oct 2020</td></tr><tr><td>TAP 002</td><td>SB-S 2.0</td><td>21st Oct 2020</td></tr></table></div>	TAP 001	HDR	21 st Oct 2020	TAP 002	SB-S 2.0	21 st Oct 2020	AHES01	EMS Technologies Canada Ltd.	AMT-3800 (Top Mount)	DTFCM01	COM DEV International Ltd	Type F	B6HW04	Honeywell Aerospace	Aspire 400	6
	TAP 001	HDR	21 st Oct 2020													
	TAP 002	SB-S 2.0	21 st Oct 2020													
Associated Systems																
Aero Classic None I4 Operation October 2020		Swift64 None														

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA									
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class						
<div>S6HW25</div> <div>Class 6, Multi-Channel</div> <div>21st Oct 2020</div> <div>Honeywell Aerospace</div> <table><tr><td>TAP 001</td><td>HDR</td><td>21st Oct 2020</td></tr><tr><td>TAP 002</td><td>SB-S 2.0</td><td>21st Oct 2020</td></tr></table>	TAP 001	HDR	21 st Oct 2020	TAP 002	SB-S 2.0	21 st Oct 2020	AHCH04	Omnipless/ Chelton Inc/Cobham	HGA-7001 (Top Mount) (Collins:2100C)	DTFCM01	COM DEV International Ltd	Type F	B6HW04	Honeywell Aerospace	Aspire 400	6
	TAP 001	HDR	21 st Oct 2020													
	TAP 002	SB-S 2.0	21 st Oct 2020													
Associated Systems																
Aero Classic None I4 Operation N.A		Swift64 None														



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW26 Class 6, Multi-Channel 31st Oct 2024 Honeywell Aerospace	AHES03	EMS Technologies Canada Ltd.	AMT-700	DTFCM01	COM DEV International Ltd	Type F	B6HW04	Honeywell Aerospace	Aspire 400	6
							Associated Systems			
							Aero Classic None I4 Operation October 2020		Swift64 None	
<div>TAP 001</div> <div>HDR</div> <div>31st Oct 2024</div>										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6HW27 Class 6, Multi-Channel 20th Jun 2024 Honeywell Aerospace	AHES01	EMS Technologies Canada Ltd.	AMT-3800 (Top Mount)	DTJCM01	COM DEV International Ltd	Type J	B6HW04	Honeywell Aerospace	Aspire 400	6
							Associated Systems			
							Aero Classic None I4 Operation October 2020		Swift64 None	
<div>TAP 001</div> <div>HDR</div> <div>20th Jun 2024</div>										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7HW01 Class 7, Multi-Channel 21st Oct 2020 Honeywell Aerospace	AIES02	EMS Technologies Canada Ltd.	AMT-1800 (Top Mount)	DTFCM01	COM DEV International Ltd	Type F	B7HW01	Honeywell Aerospace	Aspire 400	7
							Associated Systems			
							Aero Classic None		Swift64 None	
							I4 Operation N.A			

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7HW02 Class 7, Multi-Channel 21st Oct 2020 Honeywell Aerospace	AICM03	CMC Electronics	CMA-2200SB (Top Mount)	DTFCM01	COM DEV International Ltd	Type F	B7HW01	Honeywell Aerospace	Aspire 400	7
							Associated Systems			
							Aero Classic None I4 Operation N. A		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S15HW01 Class 15, Single-Channel 11th Feb 2021 Honeywell Aerospace TAP002: Changes on Avionics/HPA – issued on 11 th Oct 2024	ALAA02	Aeroantenna	AAT1595-3BK REV C	N.A.	N.A	N.A.	B15HW01	Honeywell Aerospace	Small Satcom UAV	15
							Associated Systems			
							Aero Classic None I4 Operation N.A		SWIFT64 NONE	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6LF01 Class 6, Multi-Channel 17th Sept 2009 Lufthansa Technik AG	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCD01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP29 I4 Operation Sept 2009		Swift64 None	

Avionics Model Identification: MCS-7147 consists of an HD-710 (SwiftBroadBand) + MCS-7000/4000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6LF02 Class 6, Multi-Channel 27th July 2010 Lufthansa Technik AG	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCD01	COM DEV International Ltd	Type F	B6HW02	Honeywell Aerospace	HD-710	6
							Associated Systems			
							Aero Classic 5HWP04 I4 Operation Sept 2009		Swift64 None	

Avionics Model Identification: MCS-7163 consists of an HD-710 (SwiftBroadBand) + MCS-6000/3000 (Aero Classic)

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6LF03 Class 6, Multi-Channel 5th September 2011 Lufthansa Technik AG	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCD01	COM DEV International Ltd	Type F	B6ES04	EMS Technologies Canada Ltd	HSD-440	6
							Associated Systems			
							Aero Classic 5LFP01 I4 Operation Sept 2011		Swift64 76LF01	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6LF04 Class 6, Multi-Channel June 2012 Lufthansa Technik AG	AHBA01	Ball Aerospace & Technologies Corp.	Airlink HGAS	DTFCD01	COM DEV International Ltd	Type F	B6HW03	Honeywell Aerospace	MCS- 7200	6
							Associated Systems			
							Aero Classic 5LFP02 I4 Operation June 2012		Swift64 76LF02	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK01 Class 6, Multi-Channel 20th May 2009 Rockwell Collins	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCM01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SRT-2100B	
							Associated Systems			
							Aero Classic 5RKP19 I4 Operation July 2009		Swift64 76RK06	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK02 Class 6, Multi-Channel 20th May 2009 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SRT-2100B	6
							Associated Systems			
							Aero Classic 5RKP17 I4 Operation July 2009		Swift64 76RK06	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6RK03</div> <div>Class 6, Multi-Channel</div> <div>2nd Dec 2009</div> <div>Rockwell Collins</div>	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F	B6RK02	Rockwell Collins	AT-906B	6
				DTACH01 DAU-7060	Chelton Inc	Mod Type A*	Associated Systems			
				Aero Classic 5RKP22*		Swift64 76RK02				
I4 Operation July 2009										

* Interworking Flight Test required upon 1st installation.

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK04 Class 6, Multi-Channel 3rd Dec 2009 Rockwell Collins	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCM01 DTACH01 DAU-7060	COM DEV International Ltd Chelton Inc	Type F Mod Type A*	B6RK02	Rockwell Collins	SAT-906B	6
							Associated Systems			
							Aero Classic 5RKP23 I4 Operation July 2009		Swift64 76RK02	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK05 Class 6, Multi-Channel 12th Jan 2010 Rockwell Collins	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCM01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SRT-2100B	6
							Associated Systems			
							Aero Classic 5RKP21 I4 Operation July 2009		Swift64 76RK06	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK06 Class 6, Multi-Channel 12th Feb 2010 Rockwell Collins	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SRT-2100B	6
							Associated Systems			
							Aero Classic 5RKP16 I4 Operation July 2009		Swift64 76RK06	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK07 Class 6, Multi-Channel 16th June 2011 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001 (HGA2100A)	DTACH01	Omnipless/ Chelton Inc	Modified Type A	B6RK03	Rockwell Collins	SAT-2200	6
							Associated Systems			
							Aero Classic 5RKP26 I4 Operation July 2011		Swift64 N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK08 Class 6, Multi-Channel 2nd September 2011 Rockwell Collins	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCD01	COM DEV International Ltd	Type F	B6RK02	Rockwell Collins	SAT-906B	6
							Associated Systems			
							Aero Classic 5RKP24*		Swift64 76RK02	
							I4 Operation July 2009			

* Interworking Flight Test required upon 1st installation.

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK09 Class 6, Multi-Channel 13th August 2014 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001 (HGA2100A)	DTFCD01	COM DEV International Ltd	Type F	B6RK05	Rockwell Collins	SAT- 2200A	6
							Associated Systems			
							Aero Classic 5RKP27		Swift64 76RK08	
							I4 Operation Aug 2014			

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK10 Class 6, Multi-Channel 7th March 2012 Rockwell Collins	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCD01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SAT-2100B	6
							Associated Systems			
							Aero Classic 5RKP28 I4 Operation November 2011		wift64 76RK06	

* Interworking Flight Test required upon 1st installation.

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK11 Class 6, Multi-Channel 21st November 2011 Rockwell Collins	AHES02	Omnipless/Chelton Inc/Cobham	HGA-7000	DTFCD01	COM DEV International Ltd	Type F	B6RK01	Rockwell Collins	SAT-2100B	6
							Associated Systems			
							Aero Classic 5RKP29 I4 Operation November 2011		Swift64 76RK06	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK12 Class 6, Multi-Channel 9th February 2012 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001 (HGA2100A)	DTFCD01	COM DEV International Ltd	Type F	B6RK04	Rockwell Collins	SAT-2200	6
							Associated Systems			
							Aero Classic 5RKP30 I4 Operation Feb 2012		Swift64 N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK13 Class 6, Multi-Channel 9th February 2012 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001 (HGA2100A)	DTFCD01	COM DEV International Ltd	Type F	B6RK03	Rockwell Collins	SAT-2200	6
							Associated Systems			
							Aero Classic 5RKP26 I4 Operation Feb 2012		Swift64 N/A	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK14 Class 6, Multi-Channel 16th July 2012 Rockwell Collins	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCD01	COM DEV International Ltd	Type F	B6RK06	Rockwell Collins	SAT-2200-2	6
							Associated Systems			
							Aero Classic 5RKP31 I4 Operation July 2012		Swift64 76RK11	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK15 Class 6, Multi-Channel PCTA 18th April 2012 Rockwell Collins	AHCM01	CMC Electronics Inc	CMA-2102SB	DTFCD01	COM DEV International Ltd	Type F	B6RK04	Rockwell Collins	SAT-2200	6
							Associated Systems			
							Aero Classic 5RKP32 I4 Operation PCTA		Swift64 NA	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK16 Class 6, Multi-Channel 5th September 2012 Rockwell Collins	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCD01	COM DEV International Ltd	Type F	B6RK02	Rockwell Collins	SAT-906B	6
							Associated Systems			
							Aero Classic 5RKP33* I4 Operation September 2012		Swift64 76RK02	

* Interworking Flight Test required upon 1st installation.

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK17 Class 6, Multi-Channel 29th January 2018 Rockwell Collins	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCD01	COM DEV International Ltd	Type F	B6RK04	Rockwell Collins	SAT-2200	6
							Associated Systems			
							Aero Classic 5RKP36 I4 Operation January 2018		Swift64 N.A.	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK18 Class 6, Multi-Channel 28th March 2017 Rockwell Collins	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCD01	COM DEV International Ltd	Type F	B6RK06	Rockwell Collins	SAT-2200- 2	6
							Associated Systems			
							Aero Classic 5RKP37 I4 Operation March 2017		Swift64 76RK13	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6RK19 Class 6, Multi-Channel 19th July 2017 Rockwell Collins	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001 (HGA2100A)	DTFCD01	COM DEV International Ltd	Type F	B6RK07	Rockwell Collins	AT- 2200B	6
							Associated Systems			
							Aero Classic 5RKP38 I4 Operation August 2017		Swift64 NA	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TH01 Class 6, Multi-Channel 29th May 2009 Thales Avionics Ltd	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTFCM01	COM DEV International Ltd	Type F (82161B30)	B6TH01	Thales Avionics Ltd	TopFlight	6
							Associated Systems			
							Aero Classic None I4 Operation July 2009		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TH03 Class 6, Multi-Channel 17th May 2010 Thales Avionics Ltd	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCM01	COM DEV International Ltd	Type F (82161B30)	B6TH01 (FMPPA)	Thales Avionics Ltd	TopFlight	6
							Associated Systems			
							Aero Classic 5THP01 I4 Operation July 2009		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TH05 Class 6, Multi-Channel 17th January 2012 Thales Avionics Ltd	AHCM01	CMC Electronics	CMA- 2102SB	DTFCM01	COM DEV International Ltd	Type F	B6TH02	Thales	TopFlight	6
							Associated Systems			
							Aero Classic 5THP01		N/A	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7TH01 Class 7, Single-Channel 30th Jan 2009 Thales Avionics Ltd	AIES01	EMS Technologies Canada Ltd	AMT-3500	DTAES01	Thales Avionics Ltd	ARINC 741 Mod Type A (82161A30)	B7TH01	Thales Avionics Ltd	TopFlight	7
				Associated Systems						
				DTFCM01	COM DEV International Ltd	Type F (82161B30)	Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TH06 Class 6, Multi-Channel 23rd Feb 2012 Thales Avionics Ltd	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	TFCM01	COM DEV International Ltd	Type F (82161B30)	B6TH02 (internal PA)	Thales Avionics Ltd	TopFlight	6
							Associated Systems			
							Aero Classic 5THP04 I4 Operation July 2009	Swift64 None		

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT01 Class 6, Single-Channel 5th May 2009 Thrane & Thrane A/S	AHES02	EMS Technologies Canada Ltd	AMT-50	DTSTT01	Thrane & Thrane AS	Type ‘S’	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6
				TT-5016A Integrated HPA, LNA & Diplexer.			Associated Systems			
				Aero Classic None			Swift64 None			

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT02 Class 6, Single-Channel 23rd June 2009 Thrane & Thrane A/S	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000 HGA-6500	DTSTT01 TT-5016A Integrated HPA, LNA & Diplexer.	Thrane & Thrane AS	Type 'S'	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT03 Class 6, Multi-Channel 22nd Jan 2010 Thrane & Thrane A/S	AHES02	EMS Technologies Canada Ltd	AMT-50	DTFCD01	COM DEV International Ltd	Type F	B6TT01	Thrane & Thrane AS	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP12		Swift64 76TT12	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT04 Class 6, Multi-Channel 22nd Jan 2010 Thrane & Thrane A/S	AHCH02	Omnipless /Chelton Inc /Cobham	HGA-7000	DTFCD01	COM DEV International Ltd	Type F	B6TT01	Thrane & Thrane AS	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP14		Swift64 76TT12	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7TT01 Class 7, Single-Channel 27th Nov 2008 Thrane & Thrane A/S	AICH01	Omnipless /Chelton Inc /Cobham	TT-5006A	DTSTT01	Thrane & Thrane AS	Type ‘S’	B7TT01	Thrane & Thrane AS	Aviator 300/300D	7
				TT-5016A Integrated HPA, LNA & Diplexer			Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA				
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class	
<div>S15TT01</div> <div>Class 7, Single-Channel</div> <div>18th Oct 2010</div> <div>Thrane & Thrane A/S</div>		Sensor System	TT-3002	DTSTT01	Thrane & Thrane AS	Type ‘S’	B15TT01	Thrane & Thrane AS	Aviator 200/200D	7	
				TT-5016A Integrated HPA, LNA & Diplexer			Associated Systems				
							Aero Classic None		Swift64 None		

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA				
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class	
<div>S6TT05</div> <div>Class 6, Single-Channel</div> <div>15th October 2011</div> <div>Thrane & Thrane A/S</div>	AHES03	EMS Technologies Canada Ltd	AMT-700	DTSTT01	Thrane & Thrane AS	Type ‘S’	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6	
				TT-5016A Integrated HPA, LNA & Diplexer.			Associated Systems				
				Aero Classic None			Swift64 None				

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA				
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class	
S6TT06 Class 6, Single-Channel 12 th November 2011 Thrane & Thrane A/S	AHCH04	Omnipless/ Chelton Inc/Cobham	HGA-7001	DTSTT01	Thrane & Thrane AS	Type ‘S’	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6	
				TT-5016A Integrated HPA, LNA & Diplexer.			Associated Systems				
							Aero Classic None		Swift64 None		

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
<div>S6TT07</div> <div>Class 6, Multi-Channel</div> <div>27th March 2012</div> <div>Thrane & Thrane A/S</div>	AHES03	EMS Technologies Canada Ltd	AMT-700	DTFCD01	COM DEV International Ltd	Type F	B6TT02	Thrane & Thrane AS	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP20		Swift64 76TT30	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S7TT02 Class 7, Single-Channel 28th March 2012 Thrane & Thrane A/S	AICH02	Omnipless /Chelton Inc /Cobham	IGA-5001	DTSTT01	Thrane & Thrane AS	Type 'S'	B7TT01	Thrane & Thrane AS	Aviator 300/300D	7
							Associated Systems			
							Aero Classic None		Swift64 None	

Type Approved SBB Systems	Antenna			DLNA			Avionics/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT08 Class 6, Single-Channel 28th March 2012 Thrane & Thrane A/S	AHCM02	CMC Electronics Inc	CMA-2102	DTSTT01	Thrane & Thrane AS	Type 'S'	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT09 Class 6, Single-Channel 28th March 2012 Thrane & Thrane A/S	AHCH02	Omnipless /Chelton Inc /Cobham	HGA-7000	DTSTT01 TT-5016A Integrated HPA, LNA & Diplexer.	Thrane & Thrane AS	Type 'S'	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT10 Class 6, Multi-Channel 28th March 2012 Thrane & Thrane A/S	AHCH01	Omnipless /Chelton Inc /Cobham	HGA-6000	DTFCD01	COM DEV International Ltd	Type F	B6TT02	Thrane & Thrane AS	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP21		Swift64 76TT31	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT11 Class 6, Single-Channel 7th September 2012 Thrane & Thrane A/S	AHES01	EMS Technologies Canada Ltd	AMT-3800	DTSTT01 TT-5016A Integrated HPA, LNA & Diplexer.	Thrane & Thrane AS	Type 'S'	B6TT01	Thrane & Thrane AS	Aviator 350/350D	6
							Associated Systems			
							Aero Classic None		Swift64 None	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT12 Class 6, Multi-Channel 21st Nov 2012 Thrane & Thrane A/S	AHCH04	Omnipless /Chelton Inc /Cobham	HGA-7001	DTFCD01	COM DEV International Ltd	Type F	B6TT02	Omnipless/ Chelton Inc/ Cobham/Thrane	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP22		Swift64 76TT32	

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA				
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class	
S15TT02 Class 15, Single-Channel 23 rd Dec 2013 Thrane & Thrane A/S	ALCH01	Omnipless /Chelton Inc /Cobham	LGA-3000	DTSTT01	Thrane & Thrane AS	Type 'S'	B15TT01	Thrane & Thrane AS	Aviator 200/200D	15	
				Associated Systems							
				Aero Classic None			Swift64 None				

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT13 Class 6, Multi-Channel 24th Dec 2013 Thrane & Thrane A/S	AHBA01	Ball Aerospace	Ball Airlink HGAS	DTFCD01	COM DEV International Ltd	Type F	B6TT02	Thrane & Thrane AS	Aviator 700/700D	6
							Associated Systems			
							Aero Classic 5TTP23		Swift64 76TT32	



TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S6TT14 Class 6 Multi-Channel (Single PS Audio & ACARS only) 16th September 2022 Thrane & Thrane A/S	AHCH04	HGA-7001	HGA-7001	DTFCD01	COM DEV International Ltd	Type F	B6TT03	Thrane & Thrane AS	Aviator 700S	6
							Associated Systems			
							Aero Classic N/A		Swift64 N/A	
<div>TAP 001</div> <div>HDR</div> <div>16th Sept 2022</div>										
<div>TAP 002</div> <div>SB-S 2.0</div> <div>16th Sept 2022</div>										

TYPE APPROVED SBB SYSTEMS	ANTENNA			DLNA			AVIONICS/HPA			
	Assessment Number	Manufacturer	Model Name	Assessment Number	Manufacturer	Type	Assessment Number	Manufacturer	Model Name	Class
S4TT01 Class 4, Single-Channel 8th April 2020 Thrane & Thrane A/S TAP 002: Class 4 SB-S 2.0 (8 th April 2020: <u>Obsolete</u>)	ALCH03 AAP001	Cobham	LGA-5005 (HELGA)	N. A	N. A	N.A	B4TT02	Thrane & Thrane AS	Aviator 200S	4
TAP 003: Class 4 SB-S 2.0 (18/01/2021 Revised: 08/02/2022)	ALCH03 AAP001		LGA-5005 (HELGA)							
TAP004: Class 4 SB- S2.0 (8th March 2024)	ALCH03 AAP002		LGA-5005 (HELGA_LTE)							
TAP005: Class 4 SB- S2.0 (26th March 2024)	ALCH03 AAP001		LGA-5005 (HELGA)							
TAP006: Class 5 SB- S2.0 (01 st April 2025)	ALCH03 AAP002		LGA-5005 (HELGA_LTE)							
							Aero Classic None		Swift64 None	

NOTE 1: SWIFT BROADBAND SYSTEMS, REQUIRE INTEGRATION AND TESTING AS A SYSTEM. THERE IS NO GUARANTEE THAT BY COMBINING INDIVIDUAL SWIFTBROADBAND ASSESSED MODULES, THAT A PERMITTED COMPLIANT SYSTEM PERMUTATION WILL BE ACHIEVED.

5. SWIFTBROADBAND: ANTENNA ASSESSMENT DETAILS

ASSESSMENT NUMBER	MODEL NAME (MOUNTING)	MANUFACTURER	CLASS	SINGLE/ MULTI	PART NUMBER		RESTRICTIONS/COMMENTS
AHBA01	Airlink HGAS (2*Side Mount)	Ball Aerospace & Technologies Corp	6	Multi	HGA: 513738-506 to 520 (inc) BSU: 513739-509-xx to 514-xx		15 th Order IM Compliant. ARINC 741, Phased Array
					Cable Assy: 510733-500 to 510		
					or 513881-500 to 509		
AHCH01	HGA-6000 HGA- 6500 (Tail Mount)	Omnipless/Chelton Inc/Cobham	6	Multi	HGA-6000: 677-A0161 - HGA-6500: 677-A0189 -		7 th Order IM Compliant ARINC 741, Mechanically Steered ARINC 741/781, Mechan' Steered
AHCH02	HGA-7000 (Top Mount)	Omnipless/Chelton Inc/Cobham	6	Multi	Omnipless/Cobham: 677-A0106 Chelton Inc/Cobham: 804-10-0001		7 th Order IM Compliant ARINC 741, Phased Array
AHCH03	HGA-8000 (Top Mount)	Omnipless/Chelton Inc/Cobham	6	Multi	Omnipless/Cobham: 677-A0163 Chelton Inc/Cobham: 805-10-0001		11 th Order IM Compliant ARINC 741, Phased Array
AHCH04	HGA-7001 (Top Mount)	Omnipless/Chelton Inc/Cobham	6	Multi	Omnipless/Cobham: 677-A0173- 004 or 4141-89-99 Chelton Inc/Cobham: 804-10-0015 Rockwell: 866-5015-101 Rockwell: 866-5015-010R		7 th Order IM Compliant ARINC 781, Phased Array
AICH01	IGA-5006 IGA- 5006A (Top/Tail)	Omnipless/Chelton Inc/Cobham Thrane & Thrane	7	Single	Omn/Che/Cob (5006): 677-A0002 Universal (5006): 10101-00 Thrane (5006A): 405006A-PMA		Single SBB or Classic only. Mechanically Steered
AICH02	IGA-5001 (Top Mount)	Omnipless/Chelton Inc/Cobham	7	Multi	Omn/Che/Cob (5001): 677-A0181		9 th Order IM Compliant Phased Array
ALCH01	LGA-3000 (Blade)	Omnipless/Chelton Inc/Cobham	15	Single	677-A0205		Single SBB only
ALCH03	HELGA-5005 (Top Mount)	Omnipless/Chelton Inc/Cobham	4	Single	Antenna Assessment Particular	HW Part Number	AAP002 for improved blocking performance
					AAP001	405005-00000	
					AAP002	405005-00001	

AHCM01	CMA-2102SB (Top Mount)	CMC Electronics Inc	6	Multi	CMC: 100-602198-003	11 th Order IM Compliant ARINC 741, Phased Array
AHCM02	CMA-2102 & 2102LW	CMC Electronics Inc	6	Single	CMC: 100-602198-001 LW Version: 100-602198-002	Single SBB or Classic only. ARINC 741, Phased Array
AICM01	SatLite (Top Mount)	CMC Electronics Inc	7	Single	CMC: 100-602546-VAR	Single SBB or Classic only. ARINC 741/781, Phased Array
AICM02	CMA-2200SB (Top Mount)	CMC Electronics Inc	7	Single	CMC: 100-602620-000	Single SBB or Classic only. ARINC 781, Phased Array
AICM03	CMA-2200SB (Top Mount)	CMC Electronics Inc	7	Multi	CMC: 100-602620-001	9 th Order IM Compliant ARINC 781, Phased Array
AHES01	AMT-3800 (Top Mount)	EMS Technologies Canada Ltd	6	Multi	EMS: 1242-A-0010-xx	9 th Order IM Compliant ARINC 781, Phased Array
AHES02	AMT-50 (Tail Mount)	EMS Technologies Canada Ltd	6	Multi	EMS: 0476-A-00377	9 th Order IM Compliant. ARINC 741, Mechanically Steered
AHES03	AMT-700 (Tail Mount)	EMS Technologies Canada Ltd	6	Multi	EMS: 1428-A-0010-02 EMS: 1428-A-1010-02	9 th Order IM Compliant. ARINC 781, Mechanically Steered
AIES01	AMT-3500 (Top Mount)	EMS Technologies Canada Ltd	7	Multi	EMS: 1242-A-2010-xx Rockwell: 1242-A-2110-xx EMS: 1242-A-2210-xx Thales: 1242-A-2310-xx	9 th Order IM Compliant ARINC 781, Phased Array
AIES02	AMT-1800 (Top Mount)	EMS Technologies Canada Ltd	7	Multi (Max 2 channels)	EMS P/N: 1242-A-7010-xxx.	11 th Order IM Compliant
ALAA01	AT1675-180 (Top Mount)	AeroAntenna Technology Inc	15	Single	AeroAntenna: AT1675-180 Honeywell/EMS: SCD-90402050	Single SBB only, Passive
ALAA02	AT1595-13	AeroAntenna Technology Inc	15	Single	AeroAntenna: AT1595-13 Honeywell/EMS: SCD-90402358	Single SBB only, omni-active

Note 1: The minimum SBB IM compliance is the 19th Order for ‘older’ antennas e.g. 741 and 9th order SBB IM for ‘all newer’ antennas e.g. 781.

Note 2: In the phrase “Single SBB or Classic only” the word ‘or’ is interpreted as ‘an exclusive option’, meaning that the systems are not permitted to be operated simultaneously.



6. SWIFTBROADBAND: TEST ANTENNA DETAILS

ASSESSMENT NUMBER:	MODEL NAME (MOUNTING):	MANUFACTURER	CLASS:	SINGLE/ MULTI	PART NUMBER:	RESTRICTIONS/COMMENTS:
AHRL01	Helix	Racal	6	Test*	PN: 1616-000	Static Test Usage only. (12dBi)
AHSV01	9227-810	Seavey	6	Test*	Part No: 1152-A-0450 (EMS)	Static Test Usage only. (16dBi) A Mandatory 4dB Attenuation is required to compensate for the excess in gain.

* PIM requirement not proven.

* The nominal SBB Class 6 Transmit Power is 20dBW (using a 12dBi Antenna Gain) and a typical Receive C/No of 64dB/Hz.

Note: Care should be exercised in matching non-standard SBB configurations, as any SBB Avionics not operated with respect to the nominal/typical operating range (for both the transmit and receive capabilities) will result in unrealistic/unrepeatable data being obtained compared to the normal operation.

Note: See the last page of this document for details upon the Antenna Assessment process performed by DFL in Ottawa & the potential IM impact.

7. SWIFTBROADBAND: DLNA ASSESSMENT DETAILS

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	TYPE	PART NUMBER/RESTRICTIONS/COMMENTS:	
DTACH01 28 th May 08	DAU-7060	Omnipless/Chelton Inc /Cobham Rockwell Collins	ARINC- 741	<ul style="list-style-type: none"> 677-A0179 804-10-0017 	Requires a 3 rd Order Intermod from the Avionics of -38.7dBc for multi-channel usage. * Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A.
		Omnipless/Chelton Inc/Cobham	Type A*	<ul style="list-style-type: none"> 866-5013-010R 866-5013-101 	
DTACH02 29 th May 09	DAU-7050	Omnipless/Chelton Inc /Cobham	ARINC- 741 Type A*	Requires a 3 rd Order Intermod from the Avionics of -38.7dBc for multi-channel usage.	* Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A.
DTACH03	HLD-7260	Omnipless/Chelton Inc/Cobham	Type A*	<ul style="list-style-type: none"> 677-A0187 original 677-A0169 	Single-Channel Operation only. (HPA/LNA/Diplexer Module)
DTAES01 28 th May 08		EMS Technologies Canada Ltd (ComDev Cambridge Manufactured only)	ARINC- 741 Type A*	<ul style="list-style-type: none"> 0476-A-00364 Requires a 3 rd Order Intermod from the Avionics of -38.7dBc for multi-channel.	* Assessed by Inmarsat as achieving the Frequency Band as a Modified Type A.
DTFCD01 7 th July 08 (DTFCM01)		COM DEV International Ltd (Part Number: 173628-101) Aka DAU-7070 * Previously known as DTFCM01	ARINC- 781 (Sup2) Type F	Ball: 2292643-500 CMC: 100-602200-004 EMS: 1242-A-0006, 1242-F-0006 Omnipless/Chelton Ic/Cobham: 677-A0193 or 804-10-0025 or 5044-89-99 Thales: 82161B30 Thrane & Thrane: 504013A	Requires a 3 rd Order Intermod from the Avionics of -29.6dBc for multi-channel.
DMACD01		COM DEV International Ltd	ARINC-761 Modified Type 'A'	<ul style="list-style-type: none"> 156309-101 CMC: 100-602200-002 EMS: 1242-A-0005 Omnipless: 651-A0018 Chelton: 804-10-0011	Requires a 3 rd Order Intermod from the Avionics of -38.7dBc for multi-channel.



DTSTT01 27 th Nov 08	TT-5016A	Thrane & Thrane A/S	Inmarsat SBB-SDM compliant.	<ul style="list-style-type: none">• 405016A• 405016A-THD	Single-Channel Operation only. (HPA/LNA/Diplexer Module)
DTSES01	IPLD	EMS Technologies Canada Ltd	Inmarsat SBB-SDM compliant.	<ul style="list-style-type: none">• CP Card PN: 1541-A-2100• Top Assembly PN: 1541-A-2000	Single-Channel Operation only. (HPA/LNA/Diplexer Module)

8. SWIFTBROADBAND: AVIONICS ASSESSMENT DETAILS

Class 6: PS=Background & Streaming Class Services, CS=Voice & ISDN (UDI, 3.1kHz etc) Services.

Class 7: PS=Background & Streaming Class Services, CS=Voice. Note: ISDN is supported by the UT, but not commercially supported by Inmarsat.

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/ MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
B6CH01 27 th May 2009	SDU-7320 or SDU-7330 (7320 = 2MCU) (7330 = 3MCU)	Omnipless /Chelton Inc /Cobham	6	Multi PS & CS	SDU: 677-A0188-002 SDU: 677-A0183-002 (001 for Single-Channel) HPA-7400: 677-A0169 HPA-7450: 677-A0198	Config: SBB Config Module: 780-A0619 HPA-7400 (-29.5dBC) HPA-7450 (-38.7dBC)
B6CH02 26 th Nov 2010	SDU-7315	Omnipless/Chelton Inc/Cobham	6	Single PS & CS	SDU: 677-A0201-001 HPA-7400: 677-A0169 Config Mod: 654-A0395	Config: SBB
B6CH03 23 rd Feb 2012	SDU-7330- 004 (4 channel SBB)	Omnipless/Chelton Inc/Cobham	6	Multi PS & CS	SDU: 677-A0188-004 HPA-7450: 677-A0198 SCM: 780-A0619	Config: SBB only (2x streaming channels max)
B7CH01 26 th Aug 2009	SDU-7320 or SDU-7330 (7320 = 2MCU) (7330 = 3MCU)	Omnipless /Chelton Inc /Cobham	7	Multi PS & CS	SDU: 677-A0188-001 SDU: 677-A0183-001 (001 for Single-Channel) HPA-7400: 677-A0169 HPA-7450: 677-A0198	Config: SBB Config Module: 780-A0619 HPA-7400 (-29.5dBC) HPA-7450 (-38.7dBC)
B7CH02 26 th Nov 2010	SDU-7315	Omnipless /Chelton Inc /Cobham	7	Single PS & CS	SDU: 677-A0201-001 HPA-7400: 677-A0169 Config Mod: 654-A0395	Config: SBB
B7CH03 29 th May 2012	SDU-7330- 004 (4 channel SBB)	Omnipless/Chelton Inc/Cobham	7	Multi PS & CS	SDU: 677-A0188-004 HPA-7450: 677-A0198 SCM: 780-A0619	Config: SBB only (2x streaming channels max)
B6ES02 28 th May 2008	HSD-400i	EMS Technologies Canada Ltd	6	Multi PS & CS	1252-A-3520 1252-A-3500 (single)	Three Waivers Granted. Config: SBB For class 6H, 6-2, six Waiver Granted (B6ES02_AAP002) on 13 th June 2018.

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
B6ES03 27 th Apr 2008	HSD-400	EMS Technologies Canada Ltd	6	Multi PS & CS	1252-A-3105 1252-A-3205 (single)	Three Waivers Granted. Config: SBB
B6ES04 28 th May 2008 29 th Oct 2010 TAP002 (HDR: 13 th Dec 2016)	HSD-440	EMS Technologies Canada Ltd	6	Multi PS & CS	Mk1: 1252-A-3420-xx Mk2: 1252-A-3820-xx (Mk2: 2*C Channel)	Two Waivers Granted. Config: SBB + Classic or Swift64 + Classic TAP002: HDR 4 waivers
B6ES05 29 th Feb 2012	HSD-400i HSD-Xi (x2) (Internal PA) (4x SBB)	EMS Technologies Canada Ltd	6	Multi PS & CS	HSD400i: 1252-A-3520-02 HSD-Xi: 1252-A-4100-01 SCM: 1110-A-0688	Three Waivers Granted. Config: SBB 4x SBB
B6ES06 12 th Dec 2008	HSD- Xss1 (H DU-200)	EMS Technologies Canada Ltd	6	Single PS & CS	SDU: 1541-A-3000-01 IPLD: 1541-A-2000	Single-Channel only.
B6ES07 1 st Dec 2016	HSD-440 (B6ES04) HSD-Xi (x2) (Internal PA) (4x SBB)	EMS Technologies Canada Ltd	6	Multi PS & CS	HSD440: 1252-A-3420- 02 - 03 - 04 - 07 HSD-Xi: 1252-A-4100-01 SCM: 1110-A-0688	Four Waivers Granted. Config: SBB 4x SBB
B7ES01 12 th Dec 2008	HSD- 400i	EMS Technologies Canada Ltd	7	Single PS & CS	1252-A-3520-02 1252-A-3520-03	Single-Channel only.
B7ES02	HSD- Xss1 (H DU-200)	EMS Technologies Canada Ltd	7	Single PS & CS	SDU: 1541-A-3000-01 IPLD: 1541-A-2000	Single-Channel only.
B15ES01 12 th Dec 08	HSD- Xss1 (H DU-200)	EMS Technologies Canada Ltd	15	Single PS & CS	SDU: 1541-A-3000-01 AeroWave100 P/N: 90402045 IPLD: 1541-A-2000	Single-Channel only.

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
B6HW01 5 th Aug 2008 29 th Oct 2010 TAP002 (HDR: 13 th Dec 2016)	HD-710 “Standalone”	Honeywell Aerospace	6	Multi PS & CS	Ph3:1252-A-3700-xx Ph4:1252-A-3800-xx (Ph4: 2*C Channel)	Two Waivers Granted. Config: SBB + Classic or Swift64+Classic TAP002: 4 waivers
B6HW02 5 th Aug 2008	HD-710 “Combined”	Honeywell Aerospace	6	Multi PS & CS	1252-A-3600	Two Waivers Granted. Config: SBB + Classic or Swift64 + Classic Overpower Protection Pending
B6HW03 6 th Mar 2009 10 th Sep 2010	MCS-7200	Honeywell Aerospace/ Thales Avionics	6	Multi PS & CS	SDU: 7516118- -27135, -27145, -27150, -24151, 27151, -24145, -27145, -47145, - 47151, -77010, -77135, -77145 HSU: 7520061-340 15,16,17 SVN: 9 1252-A-1202 (EMS) HP-720: 7520000-20140	Config: SBB + Classic or Swift64 + Classic HDM:7520033-901 HPA: 7520000-20140
B6HW04	Aspire 400	Honeywell Aerospace	6	Multi PS & CS	<u>Boeing Specific Part#:</u> SDU: 90402651-000 HPA: 90404514-000 SCM : 90402652-000 SDU : 90402651-000 <u>Core Product Par# : #</u> SDU :90402651-001 HPA :90404514-001 SCM:90402652-001	Config: SBB (PIESD)+SB-S 2.0 AAP002: HDR AAP003: SB-S 2.0 (CS+PS Voice, AISD, ACARS) AAP004: SB-S 2.0 (HDR, ACARS)
B7HW01	Aspire 400	Honeywell Aerospace	7	Multi PS & CS	<u>Boeing Specific Part#:</u> SDU: 90402651-000 HPA: 90404514-000 SCM: 90402652-000	Config: SBB (PIESD)+SB-S 2.0 AAP002: HDR AAP003: SB-S 2.0 (CS+PS Voice, AISD, ACARS)

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
					<u>Core Product Part#:</u> SDU: 90402651-001 HPA: 90404514-001 SCM: 90402652-001	
B15HW01	Small Satcom UAV	Honeywell Aerospace	15	Single PS & CS	<u>Generic Part #:</u> SDU90600736 <u>Specific Part #:</u> 90411330-001	For usage under RTCA/DO-160G: [A2F2X]CAB[S(C)U(G)]XYXSY[BXX]B[BXX][BC]SSBXX XAC Note: Temperature range modified from DO-160G levels to -40 to +55°C
B6RK01 20 th May 2009	SRT-2100B (HST-2110B) (HCM-2100B)	Rockwell Collins	6	Multi PS & Voice	SRT: 822-1785-001 (For Non B787), 822-1785-401, 822-1785-003 (For B787) HS:822-2232-020/010 (For Non-Airbus) HS: 822-2032-040 (For Airbus) HC:822-2248-001	Three Waivers Granted Config: SBB + Classic or Swift64 + Classic
B6RK02 2 nd Dec 2009	SAT-906B (SDU-906) (HST-2110B)	Rockwell Collins	6	Multi PS & Voice	SDU 906: 822-0314-102 RFU 900: 622-8849-100 HST-2110B: 822-2232-020 HPA-901B: 822-2577-001 HCM-2100B: 822-2248-001	Three Waivers Granted Config: SBB + Classic or Swift64 + Classic
B6RK03 16 th June 2011	SAT-22000 (SDU-2200) (FMPA-2200) (SCM-2200)	Rockwell Collins	6	Multi PS & Voice	SDU: 822-2556-101 FMPA: 822-2557-101 SCM: 822-2558-101 SDU: 822-2556-102	4 Waivers Granted Config: SBB + Classic

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
B6RK04 9 th Feb 2012	(SDU-2200) (SCM-2200) (Internal PA)	Rockwell Collins	6	Multi PS & Voice	SDU: 822-2556-102 SDU: 822-2558-101	4 Waivers granted Config: SBB + Classic
B6RK05 (TBD)	SAT-2200A HPA-2200	Rockwell Collins	6	Multi PS & Voice	SDU: 822-2909-050 HPA: 822-2910-050 SCM: 822-2558-050	TBD
B6RK06 (TBD)	SAT-2200-2 SDU-2200-2 Internal PA SCM-2200-2	Rockwell Collins	6	Multi PS & Voice	SDU: 822-3009-100 HPA: Internal 32W PA SCM: 822-2558-001, 822-2558-201	SBB + Classic or Swift64 + Classic
B6RK07	SAT-2200B Internal 40W PA	Rockwell Collins	6	Multi PS & Voice	SDU: 822-3057-101 SCM: 822-3091-101	Config: 2xSBB + Classic Data/Voice
B6TH01 29 th May 2009	TopFlight	Thales Avionics Ltd	6	Multi PS & Voice	SDU: 82155D32 or D33 or D34 SCM: 82158A30 or A31 FMPA: 82166A30-000	Config: SBB + SBB or SBB + Classic
B6TH02 23 rd Feb 2012	TopFlight	Thales Avionics Ltd	6	Multi PS & Voice	SDU: 82155D32 or D33 or D34 SCM: 82158A30 or A31 (internal PA)	Config: SBB + SBB or SBB + Classic
B7TH01 30 th Jan 2009	TopFlight	Thales Avionics Ltd	7	Single PS only	SDU: 82155A31 SCM: 82158A30	Single-Channel only. Config: SBB
B7TH02 7 th June 2012	TopFlight	Thales Avionics Ltd	7	Multi PS & Voice	SDU: 82155D32 or D33 SCM: 82158A30 or A31 (internal PA)	Config: SBB + SBB or SBB + Classic
B6TT01 5 th May 2009	Aviator 350/350D	Thrane & Thrane	6	Multi PS & CS	SBU: 405040A/405040A-THD	Config: SBB + Classic or Swift64 + Classic

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/MULTI	PART NUMBER	RESTRICTIONS/COMMENTS
					CM: 405040A-001 HLD:405016A/405016A-THD	HLD Module = HPA, LNA, Diplexer TAP002: SBB Oceanic Safety ACARS Data Service TAP003: SBB Oceanic Safety CS ICAO Voice
B6TT02 27 th March 2012	Aviator 700/700D	Thrane & Thrane	6	Multi PS & CS	SBU: 405040A/405040A-THD SDU: 405035A/405035A-THD HPA: 405014A/405014A-THD CM: 405035A-001 (SDU) 405040A-001 (SBU)	Config: SBB + Classic or Swift64 + Classic
B6TT03 16 th Sept 2022	Aviator 700S	Thrane & Thrane	6	Multi PS	SDU: SDU-5045:405045- 01000 (822-3418-xx1) MCHPA: HPA-5015: 405015-01000 (822-3417-xx1) SCM:SCM-5055: 405055-01000 (822-3419-xx1)	SBB+SB-S 2.0 (ACARS) Single PS Voice TAP002: HDR TAP003: ACARS
B7TT01 27 th Nov 2008	Aviator 300/300D	Thrane & Thrane	7	Single PS & CS	SBU: 405040A/405040A-THD CM: 405040A-001 HLD: 405016A/405016A-THD	Single-Channel only. Config: SBB HLD Module = HPA, LNA, Diplexer TAP002: SBB Oceanic Safety ACARS Data Service TAP003: SBB Oceanic Safety CS ICAO Voice
B15TT01 18 th Oct 10	Aviator 200/200D	Thrane & Thrane	15	Single PS & CS	SBU: 405040A/405040A-THD CM: 405040A-001 HLD: 405016A/405016A-THD	Single-Channel only. Config: SBB HLD Module = HPA, LNA, Diplexer

ASSESSMENT NUMBER	MODEL NAME	MANUFACTURER	CLASS	SINGLE/ MULTI	PART NUMBER	RESTRICTIONS/COMMENTS	
B4TT02 8 th April 2020 Revised:28 th Jan 2022	Aviator 200s	Thrane & Thrane	4	Single PS, CS and SB- S 2.0	SDU-5045	Single-Channel SB-S 2.0. Active ELGA	
					HW Part#		SW Part#
					405045-00001		SVN:01 CSC5045 03000001
					405045-02000		SVN:02 CSC53-4523-0000
					SCM-5055 HW Part#: 405055-00000, 405055-02000		
					LGA-5005		
					HW Part#		SW Part#
					405045-00000		CSC5645 05000001
					405005-02000		CSC5545 250000
					B4GN01		Velaris 200

9. ANTENNA ASSESSMENT INFORMATION:

What does the Aeronautical Antenna Assessment Coverage mean?

The AES shall simultaneously satisfy the antenna gain, axial ratio and discrimination at different solid angles, over a minimum fraction (HGA: 75% and IGA: 85%) of the Upper Hemisphere, (see coverage volume diagram below), excluding the lowest 5° above the horizon.

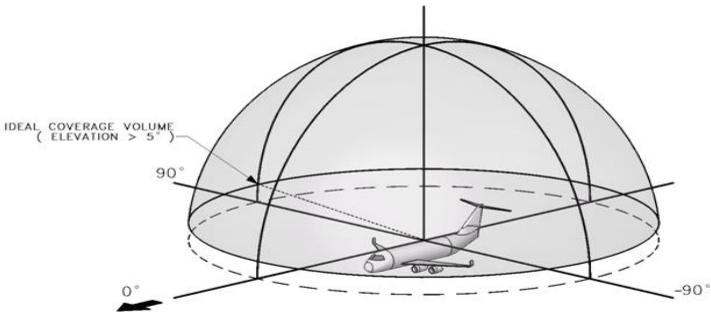
The tests are carried out on a 2 x 2 equi-spaced grid – that is at elevation & azimuth spacing of 2°, which gives in excess of 4000 test points. The tests are performed as a minimum using the lowest, highest and central frequency in each of the transmit and receive bands (e.g. 1626.5, 1643.5, 1660.5 MHz & 1525, 1542, 1559 MHz).

The issuing of an Antenna Assessment Certificate by Inmarsat endorses the Antenna as having satisfied/ surpassed the conditions identified above.

Note: The variations in antenna coverage volumes does not effect the geographical operation above the Earths surface. The higher the coverage volume achieved, the greater the operational coverage where the optimum QoS is maintained.

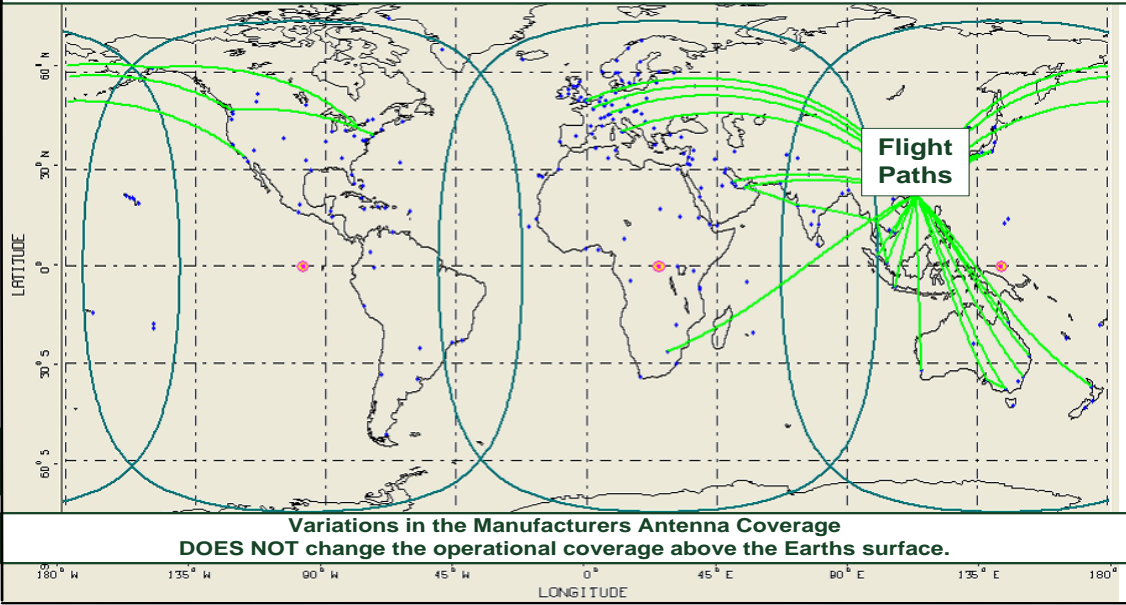
What does the Inter-modulation (IM) Order Mean? e.g. 7th, 11th,15th, Order.

The lower the order e.g. 7th, the less susceptible the antenna is, to suffering a reduced Quality of Service when transmitting multiple carriers.



Antenna Upper Hemisphere Coverage Volume

Example diagram of the Satellite Footprint



While the information in this document has been prepared in good faith, no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability (howsoever arising) is or will be accepted by the Inmarsat group or any of its officers, employees or agents in relation to the adequacy, accuracy, completeness, reasonableness or fitness for purpose of the information in this document. All and any such responsibility and liability is expressly disclaimed and excluded to the maximum extent permitted by applicable law. Coverage as shown on maps is subject to change at any time. Inmarsat is a trademark owned by the International Mobile Satellite Organization, licensed to Inmarsat Global Limited. The Inmarsat logo and all other Inmarsat trademarks in this document are owned by Inmarsat Global Limited. © Inmarsat Global Limited. All rights reserved.

10. CHANGE HISTORY

Date	Details
10.04.2025	Added New Manufacturer - Gotonomi
10.04.2025	<p>Added recent type approvals with their details in section 2 and 4.</p> <ul style="list-style-type: none"> a. S6HW26 TAP 001 b. S6HW27 TAP 001 c. S7HW03 d. S15HW01 TAP 002 e. S15HW02 f. S4TT01 004, 005, 006 g. S4GN01 TAP 001
10.04.2025	<p>Corrections made to the following sections according to the latest info available:</p> <ul style="list-style-type: none"> a. S6RK15 b. S4TT01 c. ALCH02 d. S15ES01 e. S7ES03