



Change of Status



EXPIRED

**TYPE APPROVAL**

**Standard Antennas  
Standard VSATs**



# Eutelsat Type Approval Ku-Band Standard Antennas, Fixed General Purpose

Status: 9 September 2015

Certif.	Dated	Std	Supplier	Model	Type	Remarks*
EA-A008 Production discontinued	Expiry date: 14-02-05	L, M	Vertex RSI USA	2.4 DPVK	Fixed 2 p. 2.4 m dual offset Gregorian	2.4 meter fixed general purpose station maximum 58.7 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 52.7 dBW / 40 kHz at $> 2.5$ Msym/s maximum 74.2 dBW for a standard 5.632 Msym/s digital TV carrier
EA-A009 Production discontinued see EA-A026	Expiry date: 14-01-05	L, M	Channel Master International GmbH Germany	62-18452-01	Fixed single p. 1.8 m dual offset Gregorian	1.8 meter fixed general purpose station maximum 58.7 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 52.7 dBW / 40 kHz at $> 2.5$ Msym/s maximum 74.2 dBW for a standard 5.632 Msym/s digital TV carrier
EA-A010 Production discontinued	Expiry date: 14-01-05	L, M	Channel Master International GmbH Germany	62-24452-01	Fixed 2 p. 2.4 m dual offset Gregorian	2.4 meter fixed general purpose station maximum 63.6 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 57.6 dBW / 40 kHz at $> 2.5$ Msym/s maximum 79.1 dBW for a standard 5.632 Msym/s digital TV carrier
EA-A013 Expired	Expiry date: 13-06-08	L, M	Precision Antennas UK	E0T18KUE	Fixed single piece 1.8 m offset	1.8 meter fixed general purpose station maximum 56.4 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 50.4 dBW / 40 kHz at $> 2.5$ Msym/s maximum 71.9 dBW for a standard 5.632 Msym/s digital TV carrier
EA-A014 Production discontinued see EA-A027	Expiry date: 14-01-05	L, M	Channel Master International GmbH Germany	62-24452-02	Fixed 2 p. 2.4 m dual offset Gregorian	2.4 meter fixed general purpose station maximum 61.2 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 55.2 dBW / 40 kHz at $> 2.5$ Msym/s maximum 76.7 dBW for a standard 5.632 Msym/s digital TV carrier

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.



Status: 9 September 2015

Certif.	Dated	Std	Supplier	Model	Type	Remarks*
EA-A026 No longer valid **	Suspended 09-02-06	L, M	Andrew Corporation (previously Channel Master LLC) USA	62-18452-02	Fixed single p. 1.8 m dual offset Gregorian	1.8 meter fixed general purpose station maximum 58.7 dBW / 40 kHz at $\leq 2.5$ Msym/s maximum 52.7 dBW / 40 kHz at $> 2.5$ Msym/s maximum 74.2 dBW for a standard 5.632 Msym/s digital TV carrier
EA-A027	Expiry date: 16-12-11	M	ASC Signal (previously Andrew Corporation) USA	62-24452-02	Fixed 2 p. 2.4 m  dual offset Gregorian	2.4 m fixed general purpose station 53.2 dBW / 40kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

\*\* Awaiting re-approval



Status: 9 September 2015

Certif.	Dated	Std	Supplier	Model	Type	Remarks*
EA-A021	Pending	L	Patriot USA	TXEUT-90KA	Fixed single piece 0.9 m offset front fed	0.9 m fixed for Skyplex applications 37.1 dBW / 40 kHz for digital carriers transmitted to HB6 Skyplex transponders

\*Note: Authorised EIRP levels are given for locations at the satellite receive G/T contours  $\geq 10$  dB/K (EESS-400 issue 11 - rev 0 §6.1 refers).



**Status: 9 September 2015**

<b>Certif.</b>	<b>Dated</b>	<b>Std</b>	<b>Supplier</b>	<b>Model</b>	<b>Type</b>	<b>Remarks*</b>
EA-A020	Expiry date: 15-06-12	M	Patriot Antenna Systems USA	TXEUT- 120KUDO	Fixed single piece 1.2 m dual optics offset Gregorian	1.2 m fixed for VSAT applications 43.3 dBW / 40kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)
EA-A034	Expiry date: 16-12-11	M	ASC Signal (previously Andrew Corporation) USA	1.2m RxTx Class I Type 125 12QDKU-1	1 p. 1.2 m front fed offset mode generator	1.2 m fixed broadband interactive antenna 44.3 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)
EA-A035	Expiry date: 16-12-11	M	ASC Signal (previously Andrew Corporation) USA	Type 961	1 p. 0.96 m front fed offset mode generator	0.96 m fixed broadband interactive antenna 42.9 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)
EA-A038	Expiry date: 16-12-11	M	Raven	Type 122	1 p. 1.2 m front fed offset mode generator	1.2 m fixed broadband interactive antenna 44.6 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)

\*Note: Authorised EIRP levels are given for locations at the satellite receive beam edge (EESS-502 § 6.1 refers).





## Eutelsat Type Approval

VSAT's  $\leq 1$  meter  $\emptyset$

Status: 9 September 2015

Certif.	Dated	Applicant	Model	Antenna Type	Radio Equipment	Diam	G/T (typ)	Authorised EIRP*
EA-V010 Pending	Pending	Gilat Satellite Networks Ltd Israel	GRF-090/02	Fibo 0.9 m dual offset Gregorian	Gilat LN001210 0.5 or 1.0 Watt	0.9 m	19.5 dB/K	37 dBW / 4 kHz
EA-V015 No longer valid **	Expiry date: 14-01-05	GEC Spacenet USA	Skystar Advantage 0.98 A	Prodelin 1981 0.98 m offset front-fed	Gilat AN3422-01 0.5 Watt	1 m	18.3 dB/K	40 dBW / 4 kHz
EA-V021 Expired	Expiry date: 01-07-08	NEC Corporation Japan	NEXSTAR 0.9 m	Fibo 0.9 m dual offset Gregorian	NEC E5847 1 or 2 Watt	0.9 m	19.0 dB/K	37 dBW / 4 kHz
EA-V022 No longer valid **	Expiry date: 14-01-05	Hughes Network Systems UK	PESX000 0.98 m	Prodelin 1981 0.98 m offset front-fed	MTI, 2 Watt	1 m	17.6 dB/K	40 dBW / 4 kHz
EA-V026 No longer valid **	Expiry date: 14-01-05	Scientific Atlanta USA	SkyRelay 3000-098	Prodelin 1981 0.98 m offset front-fed	SA 6605, 0.8 Watt LNB: Norsat or Nichimen	1 m	17.8 dB/K	40 dBW / 4 kHz
EA-V031 Production discontinued	Expiry date: 14-01-05	Channel Master LLC USA	62-96052-01 62-96056-01 0.96 m	Channel Master 1 p. 0.96 m offset front-fed long focal length	Gilat RF 0.5 or 1 Watt LNB: Norsat or NJRC	0.96 m	19.4 dB/K	40 dBW / 4 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

\*\* Due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination requirement of 30 dB @ -1 dB contour.



**Status: 9 September 2015**

<b>Certif.</b>	<b>Dated</b>	<b>Applicant</b>	<b>Model</b>	<b>Antenna Type</b>	<b>Radio Equipment</b>	<b>Diam.</b>	<b>G/T (typ)</b>	<b>Authorised EIRP*</b>
EA-V033 No longer valid **	Expiry date: 14-01-05	NEC Corporation Japan	NEXTAR 0.98 m	Prodelin 1981 0.98 m offset front-fed	NEC G3606 1 or 2 Watt	0.98 m	18.3 dB/K	40 dBW / 4 kHz
EA-V034 Expired	Expiry date: 16-06-08	Wireless Innovation Ltd (previously Chronos Technology Ltd) UK	CTL3096	Andrew 62-96056-01 1 p. 0.96 m offset front-fed long focal length	TSAT AS 0.5 Watt	0.96 m	19.7 dB/K	40 dBW / 4 kHz
EA-V050 Expired	Expiry date: 01-10-08	ASC Signal (previously Andrew Corporation) USA	62-96056-01	Andrew 1 p. 0.96 m Class II / III offset front-fed long focal length	Gilat AN3422-01 0.5 or 1 Watt LNB: Norsat or NJRC	0.96 m	19.4 dB/K	41.0 dBW / 40 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

\*\* Due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination requirement of 30 dB @ -1 dB contour.



## Eutelsat Type Approval

VSAT's = 1.2 meter Ø

Status: 9 September 2015

Certif.	Dated	Applicant	Model	Antenna Type	Radio Equipment	Diam.	G/T (typ)	Authorised EIRP*
EA-V005 Expired	Expiry date: 01-07-08	NEC Corporation Japan	NEXTAR 1.2 m	NEC E8639 1 p. 1.2 m offset front -fed	NEC E5847/D6537 1 or 2 Watt	1.2 m	19.4 dB/K	37 dBW / 4 kHz
EA-V006 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-12161-04	Channel Master 1 p. 1.2 m offset front-fed ERA feedsystem	Comstream DT7000 2 Watt	1.2 m	20.5 dB/K	53 dBW / 40 kHz for TSR ≤ 2.5 Msym/s
EA-V008 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-12161-11 62-12161-12	Channel Master 1 p. 1.2 m offset front-fed ERA feedsystem	Fairchild RFT 2000 2 or 4 Watt	1.2 m	20.5 dB/K	53 dBW / 40 kHz for TSR ≤ 2.5 Msym/s
EA-V011 Pending	Pending	Gilat Satellite Networks Ltd Israel	GRF-120/02	Fibo 1.2 m dual offset Gregorian	Gilat LN001210 0.5 or 1.0 Watt	1.2 m	22.0 dB/K	37 dBW / 4 kHz
EA-V016 No longer valid**	Expiry date: 14-01-05	GEC Spacenet USA	Skystar Advantage 1.2 A	Prodelin 1134 1.2 m offset front-fed	Gilat AN3422-01 0.5 Watt	1.2 m	20.5 dB/K	40 dBW / 4 kHz
EA-V017 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-12161-25 62-12161-26 62-12161-27 62-12161-28	Channel Master 1 p. 1.2 m offset front-fed ERA feedsystem	SSE ASAT-1214 2, 4, 8 or 16 Watt	1.2 m	20.5 dB/K	53 dBW / 40 kHz for TSR ≤ 2.5 Msym/s

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

\*\* Due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination requirement of 30 dB @ -1 dB contour.





Status: 9 September 2015

Certif.	Dated	Applicant	Model	Antenna Type	Radio Equipment	Diam.	G/T (typ)	Authorised EIRP*
EA-V020 No longer valid**	Expiry date: 14-01-05	L.TEQ UK	ALPHA/12POS	Prodeline 1134 1.2 m offset front-fed	EF Data KST-2000 or KST-12000 (2/4 respectively 8/16 Watt)	1.2 m	19.7 dB/K	40 dBW / 4 kHz
EA-V023 No longer valid**	Expiry date: 14-01-05	Hughes Network Systems UK	PESX000 1.2 m	Prodeline 1134 1.2 m offset front-fed	MTI, 2 Watt	1.2 m	19.3 dB/K	40 dBW / 4 kHz
EA-V025 Production discontinued	Expiry date: 14-01-05	Channel Master LLC USA	62-12356-51 62-12356-52	Channel Master 1 p. 1.2 m offset front-fed long focal length	Gilat AN3422-01 0.5 or 1.0 Watt	1.2 m	21.0 dB/K	40 dBW / 4 kHz
EA-V027 No longer valid**	Expiry date: 14-01-05	Scientific Atlanta USA	SkyRelay 3000-120	Prodeline 1134 1.2 m offset front-fed	SA 6605, 0.8 Watt LNB: Norsat or Nichimen	1.2 m	19.6 dB/K	40 dBW / 4 kHz
EA-V030 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-12456-53 62-12456-54	Channel Master 1 p. 1.2 m offset front-fed long focal length	SSE K-STAR 2 or 4 Watt	1.2 m	21.0 dB/K	40 dBW / 4 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

\*\* Due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination requirement of 30 dB @ -1 dB contour.



**Status: 9 September 2015**

<b>Certif.</b>	<b>Dated</b>	<b>Applicant</b>	<b>Model</b>	<b>Antenna Type</b>	<b>Radio Equipment</b>	<b>Diam.</b>	<b>G/T (typ)</b>	<b>Authorised EIRP*</b>
EA-V037 Revoked	Expiry date: 05-10-05	Sea Tel USA	4996T 7/8 w	Sea Tel 1.2 m dual offset Gregorian	CODAN S/N 5900 W 2, 4, 8, 16 W	1.2 m	20 dB/K	40 dBW / 4 kHz
EA-V039 Pending	Pending	Gilat Satellite Networks Ltd Israel	Skystar 1.2 m	Prodelin 1132	Gilat 1 Watt Type Approved	1.2 m	20.5 dB/K	40 dBW / 4 kHz
EA-V048 Expired	Expiry date: 16-06-08	Andrew Corporation (previously Channel Master LLC) USA	62-12356-11	Andrew 1 p. 1.2 m Class I offset front-fed long focal length	Gilat AN3422-01 0.5 or 1 Watt	1.2 m	21.0 dB/K	40 dBW / 4 kHz
EA-V049 Expired	Expiry date: 16-06-08	Andrew Corporation (previously Channel Master LLC) USA	62-12456-01	Andrew 1 p. 1.2 m Class III offset front-fed long focal length	Gilat AN3422-01 0.5 or 1 Watt	1.2 m	21.0 dB/K	40 dBW / 4 kHz
EA-V051 Expired	Expiry date: 01-10-08	Andrew Corporation (previously Channel Master LLC) USA	62-12362-01	Andrew 1 p. 1.2 m Class II offset front-fed long focal length	Gilat AN3422-01 0.5 or 1 Watt	1.2 m	21.0 dB/K	45.3 dBW / 4 kHz
EA-V054 Production discontinued	Expiry date: 09-09-15	ASC Signal (previously Andrew Corporation) USA	1.2 m RxTx Class I MIL-12QDKU- 1	ASC 1 p. 1.2 m Class I offset front-fed	30 W ND Satcom RFT 5000 Ku-Band  Invacom SPV-30 SM LNB	1.2 m	21.5 dB/K	42.6 dBW / 40 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.



## Eutelsat Type Approval

**VSAT's = 1.8 meter Ø**

**Status: 9 September 2015**

Certif.	Dated	Applicant	Model	Antenna Type	Radio Equipment	Diam.	G/T (typ)	Authorised EIRP*
EA-V003 Production discontinued	Expiry date: 14-01-05	S <sup>+</sup> AS Limited UK	SF18.ST	Precision Antennas 1 p. 1.8 m front fed, J hook	SSE ASAT-1214 S/N or Kstar 2 to 25 Watt Single or redundant	1.8 m	22.3 dB/K	37 dBW / 4 kHz
EA-V004 Production discontinued	Expiry date: 14-01-05	S <sup>+</sup> AS Limited UK	SF18.DT7000	Precision Antennas 1 p. 1.8 m front fed, J hook	Comstream DT7000 2 Watt	1.8 m	22.3 dB/K	37 dBW / 4 kHz
EA-V007 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-18161-04	Channel Master 1 p. 1.8 m offset front-fed ERA feedsystem	Comstream DT7000 2 Watt	1.8 m	24.0 dB/K	56.5 dBW / 40 kHz for TSR ≤ 2.5 Msym/s
EA-V009 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-18161-11 62-18161-12	Channel Master 1 p. 1.8 m offset front-fed ERA feedsystem	Fairchild RFT 2000 2 or 4 Watt	1.8 m	24.0 dB/K	56.5 dBW / 40 kHz for TSR ≤ 2.5 Msym/s
EA-V018 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-18161-25 62-18161-26 62-18161-27 62-18161-28	Channel Master 1 p. 1.8 m offset front-fed ERA feedsystem	SSE ASAT-1214 2, 4, 8 or 16 Watt	1.8 m	24.0 dB/K	56.5 dBW / 40 kHz for TSR ≤ 2.5 Msym/s

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.



**Status: 9 September 2015**

<b>Certif.</b>	<b>Dated</b>	<b>Applicant</b>	<b>Model</b>	<b>Antenna Type</b>	<b>Radio Equipment</b>	<b>Diam.</b>	<b>G/T (typ)</b>	<b>Authorised EIRP*</b>
EA-V024 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-18161-40 62-18161-41 62-18161-42 62-18161-43	Channel Master 1 p. 1.8 m offset front-fed ERA feed system	Sierracom 3100 1, 2, 4 or 8 Watt	1.8 m	24.0 dB/K	56.5 dBW / 40 kHz for TSR ≤ 2.5 Msym/s
EA-V028 Expired	Expiry date: 14-01-05	Scientific Atlanta USA	SkyRelay 3000-180	Prodelin 1194 1.8 m offset front-fed	SA 6605, 0.8 Watt LNB: Norsat or Nichimen	1.8 m	23.1 dB/K	40 dBW / 4 kHz
EA-V035 Expired	Expiry date: 13-06-08	Precision Antennas UK	EOT18KUE/T	Precision Antennas 1.8 m single piece offset	TSAT/AS 0.5 Watt	1.8 m	22.7 dB/K	40 dBW / 4 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.



## Eutelsat Type Approval

VSAT's = 2.4 meter Ø

Status: 9 September 2015

Certif.	Dated	Applicant	Model	Antenna Type	Radio Equipment	Diam.	G/T (typ)	Authorised EIRP*
EA-V001 Production discontinued	Expiry date: 14-01-05	S+AS Limited UK	SF24.ST	Precision Antennas 2 p. 2.4 m front-fed, J hook	SSE ASAT-1214 S/N or Kstar 2 to 25 Watt Single or redundant	2.4 m	25.0 dB/K	37 dBW / 4 kHz
EA-V002 Production discontinued	Expiry date: 14-01-05	S+AS Limited UK	SF24.DT7000	Precision Antennas 2 p. 2.4 m front-fed, J hook	Comstream DT7000 2 Watt	2.4 m	25.0 dB/K	37 dBW / 4 kHz
EA-V012 Expired	Expiry date: 13-06-08	Matra Marconi Space UK	MMS-PML-24	Precision Antennas 2 p. 2.4 m front fed, J hook	Skydata 2401-AS-A 2, 3, 8 or 16 Watt Single & redundant	2.4 m	25.5 dB/K	37 dBW / 4 kHz
EA-V019 Production discontinued	Expiry date: 14-01-05	Channel Master International GmbH Germany	62-24161-21 62-24161-22 62-24161-23 62-24161-24	Channel Master 2 p. 2.4 m offset front-fed ERA feedsystem	SSE K-STAR 2, 4, 8 or 16 Watt	2.4 m	25.2 dB/K	40 dBW / 4 kHz
EA-V029 Expired	Expiry date: 01-07-08	Scientific Atlanta USA	SkyRelay 3000-240	Prodelin 1244 model 930, 931, 933 2.4 m offset front-fed	SA 6605, 0.8 Watt LNB: Norsat or Nichimen	2.4 m	25.5 dB/K	40 dBW / 4 kHz

Note: \* Authorised EIRP levels are given for locations at the satellite receive beam edge.

# Eutelsat s.A. Type Approval Summary Sheet

**Applicant:**

Vertex RSI  
2600 North Longview Street  
Kilgore, TX 75662  
USA

Tel: +1 903 988 6107  
Fax: +1 903 988 6867  
<mailto:alan.pollard@gdsatcom.com>

**Certificate:**

EA-A008

**Antenna:**

2.4 DPVK

**Diameter:**

2.4 m

**Standard:**

L, M

**Approval date:**

19-01-1998

**Expiry date:**

14-02-2005

**System Description:**

Fixed earth station for low and medium rate digital traffic. Offset dual reflector configuration. Two piece 2.4 m aluminium main reflector. One Rx and one Tx port. Pedestal type mount.

**Configurations:**

One standard configuration. De-icing option.

**Maximum Allowed EIRP:**

58.7 dBW / 40 kHz for digital carriers with symbol rate  $\leq$  2.5 MSym/s  
52.7 dBW / 40 kHz for digital carriers with symbol rate  $>$  2.5 MSym/s  
74.2 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBirds<sup>TM</sup>, ATLANTIC BIRDs<sup>TM</sup> (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Frequency:**

13.75 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

48.7 dBi (typical)

**Rx Gain:**

47.3 dBi (typical)

**Tx XPD:**

$>$ 35 dB

**Rx XPD:**

$>$ 35 dB

**Remarks:** None



**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570

Fax: +49 7234 145 5710

mailto:m.pfrommer@channel-master-int.com

**Certificate:**

EA-A009

**Antenna:**

62-18452-01

**Diameter:**

1.8 m

**Standard:**

L, M

**Approval date:**

19-01-1999

**Revision 1 date:**

19-05-2000

**Expiry date:**

14-01-2005

**System Description:**

General purpose earth station for digital transmission up to higher bit rates. Dual optics offset Gregorian configuration. Single piece SMC main reflector, aluminium sub reflector in compact configuration. Two port Channel Master OMT, dedicated Tx and Rx.

**Models Available:**

One standard configuration. Optional de-icing systems for feed and main reflector. Optional matching non-penetrating roofmount.

**Maximum Allowed EIRP:**

58.7 dBW / 40 kHz for digital carriers with symbol rate  $\leq$  2.5 MSym/s

52.7 dBW / 40 kHz for digital carriers with symbol rate  $>$  2.5 MSym/s

74.2 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDs™ (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Frequency:**

13.75 - 14.50 GHz

**Rx Frequency:**

10.70 - 12.75 GHz

**Tx Gain:**

46.7 dBi at 14.25 GHz (typical)

**Rx Gain:**

45.0 dBi at 11.70 GHz (typical)

**Tx XPD:**

$>$ 35 dB within 1 dB contour

**Rx XPD:**

$>$ 35 dB within 1 dB contour

**Remarks:**

Production discontinued

# Eutelsat s.A. Type Approval Summary Sheet

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570

Fax: +49 7234 145 5710

mailto:m.pfrommer@channel-master-int.com

**Certificate:**

EA-A010

**Antenna:**

62-24452-01

**Diameter:**

2.4 m

**Standard:**

L, M

**Approval date:**

19-01-1999

**Expiry date:**

14-01-2005

**System Description:**

General purpose earth station for digital transmission up to higher bit rates. Dual optics offset Gregorian configuration. Two piece SMC main reflector, aluminium sub reflector in compact configuration. Two port OMT, dedicated Tx and Rx.

**Models Available:**

One standard configuration. Optional de-icing systems for feed and main reflector. Optional matching non-penetrating roofmount.

**Maximum Allowed EIRP:**

63.6 dBW / 40 kHz for digital carriers with symbol rate  $\leq 2.5$  MSym/s

57.6 dBW / 40 kHz for digital carriers with symbol rate  $> 2.5$  MSym/s

79.1 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of  $-0.5$  dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Frequency:**

13.75 - 14.50 GHz

**Rx Frequency:**

10.70 - 12.75 GHz

**Tx Gain:**

49.6 dBi (typical)

**Rx Gain:**

47.9 dBi (typical)

**Tx XPD:**

$>35$  dB anywhere

**Rx XPD:**

$>35$  dB anywhere

**Remarks:**

Production discontinued

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Precision Antennas  
Masons Road  
Stratford-upon-Avon  
Warwickshire CV37 9NU  
United Kingdom

Tel: +44 1789 266 131  
Fax: +44 1789 298 497  
<mailto:chriscox@andrew.com>

**Certificate:**  
EA-A013

**Antenna:**  
EOT18KUE

**Diameter:**  
1.8 m

**Standard:**  
L, M

**Approval date:**  
27-01-2000

**Expiry date:**  
13-06-2008

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**System Description:**

General purpose earth station for analogue and digital transmission. Offset fed, prime focus configuration. Metallic main reflector. Two port OMT with compensated feed.

**Configurations:**

One standard configuration.

**Maximum Allowed EIRP:**

56.4 dBW / 40 kHz for digital carriers with symbol rate  $\leq 2.5$  MSym/s  
50.4 dBW / 40 kHz for digital carriers with symbol rate  $> 2.5$  MSym/s  
71.9 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

46.4 dBi (typical at 14.25 GHz)

**Rx Gain:**

45.2 dBi (typical at 11.7 GHz)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>27 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.A. Type Approval Summary Sheet

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570

Fax: +49 7234 145 5710

mailto:m.pfrommer@channel-master-int.com

**Certificate:**

EA-A014

**Antenna:**

62-24452-02

**Diameter:**

2.4 m

**Standard:**

L, M

**Approval date:**

15-09-2000

**Expiry date:**

14-01-2005

**System Description:**

General purpose earth station for digital transmission up to higher bit rates. Dual optics offset Gregorian configuration. Two piece SMC main reflector, aluminium sub reflector in compact configuration. Two port Channel Master OMT, dedicated Tx and Rx.

**Models Available:**

One standard configuration. Optional de-icing systems for feed and main reflector. Optional matching non-penetrating roofmount.

**Maximum Allowed EIRP:**

61.2 dBW / 40 kHz for digital carriers with symbol rate  $\leq 2.5$  MSym/s

55.2 dBW / 40 kHz for digital carriers with symbol rate  $> 2.5$  MSym/s

76.7 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of  $-0.5$  dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Frequency:**

13.75 - 14.50 GHz

**Rx Frequency:**

10.70 - 12.75 GHz

**Tx Gain:**

49.2 dBi (typical)

**Rx Gain:**

47.5 dBi (typical)

**Tx XPD:**

$>35$  dB within 1 dB contour

**Rx XPD:**

$>35$  dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

Patriot Antenna Systems  
704 North Clark Street  
Albion, MI 49224  
USA

Tel: +1 517 629 5990  
Fax: +1 517 629 6690  
mailto: [jrobinson@sepatriot.com](mailto:jrobinson@sepatriot.com)

**Certificate:**

EA-A020

**Antenna:**

TXEUT-120KUDO

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

02-06-2003

**Expiry date:**

15-06-2012

**System Description:**

Fixed earth station for low and medium rate digital traffic; particularly suited for VSAT applications. Dual optics Offset Gregorian configuration. Single piece 1.2 m galvanised steel main reflector. Two port die-cast OMT. Pedestal Az El Mount in manual version only.

**Configurations:**

One standard configuration TXEUT-120KUDO.

**Maximum Allowed EIRP:**

43.3 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers)

**Tx Frequency:**

14.0 - 14.50 GHz

**Rx Frequency:**

10.70 - 12.75 GHz

**Tx Gain:**

43.3 dBi (typical at 14.25 GHz)

**Rx Gain:**

41.7 dBi (typical at 11.725 GHz)

**Tx XPD:**

&gt;35 dB within 1 dB contour

**Rx XPD:**

&gt;35 dB within 1 dB contour

**Remarks:** None

**Applicant:**

Patriot Antenna Systems  
704 North Clark Street  
Albion, MI 49224  
USA

Tel: +1 517 629 5990  
Fax: +1 517 629 6690  
<mailto:stevep@sepatriot.com>

**Certificate:**

EA-A021

**Antenna:**  
TXEUT-90KA

**Diameter:**  
0.9 m

**Standard:**  
L

**Approval date:**  
Pending

**System Description:**

Fixed earth station for low and medium rate digital traffic for Eutelsat HB6 Skyplex applications. Front fed offset configuration. Single piece 0.9 m galvanised steel main reflector. Two port die-cast OMT. Az El Mount with reinforced steel boom arm.

**Configurations:**

One standard configuration TXEUT-90KA. Option for a small non penetrating mount with pad.

**Maximum Allowed EIRP:**

37.1 dBW / 40 kHz for digital carriers transmitted to HB6<sup>TM</sup> Skyplex transponders

anywhere at the HB6<sup>TM</sup> satellite receive G/T contours  $\geq 10$  dB/K.

**Tx Frequency:**

29.50 - 30.00 GHz

**Rx Frequency:**

19.70 - 20.20 GHz

**Tx Gain:**

47.1 dBi (typical at 29.75 GHz)

**Rx Gain:**

43.6 dBi (typical at 19.95 GHz)

**Tx XPD:**

>25 dB within 1 dB contour

**Rx XPD:**

>25 dB within 1 dB contour

**Remarks:** Utilisation of these antennas is not allowed for transmission to transponders K158 or K159 in channels that overlap in frequency with the opposite polarisation, from a location where the G/T of the targetted transponder is lower than the G/T of the opposite transponder.



**Applicant:**

Andrew Corporation (previously Channel Master LLC)  
1315 Industrial Park Drive  
Smithfield, N.C. 27577  
USA

Tel: +1 919 989 1701  
Fax: +1 919 989 2200  
<mailto:peter.gardner@andrew.com>

**Certificate:**

EA-A026

**Antenna:**

62-18452-02

**Diameter:**

1.8 m

**Standard:**

L, M

**Approval date:**

07-01-2005

**Expiry date:**

09-02-2006\*

**System Description:**

General purpose earth station for digital transmission up to highest bit rates. Dual optics offset Gregorian configuration. Single piece SMC main reflector, aluminium sub-reflector in compact configuration. Two port Andrew OMT, dedicated Tx and Rx.

**Configurations:**

One standard configuration. Optional de-icing system for feed, main and sub-reflector. Optional matching non-penetrating roofmounts.

**Maximum Allowed EIRP density:**

58.7 dBW/40kHz for digital carriers with symbol rate  $\leq 2.5$  Msym/s  
52.7 dBW/40kHz for digital carriers with symbol rate  $> 2.5$  Msym/s  
74.2 dBW for a standard 5.632 Msym/s digital TV carrier

at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBIRDS<sup>TM</sup>, ATLANTIC BIRDS<sup>TM</sup> (EESS-400, issue 11 - rev 0, §6.1 and EESS-502, issue 9 - rev. 1, §6.1 refers).

**Tx Frequency:**

13.75-14.50 GHz

**Rx Frequency:**

10.70-12.75 GHz

**Tx Gain:**

46.7 dBi (typical at 14.25 GHz)

**Rx Gain:**

45.0 dBi (typical at 11.70 GHz)

**Tx XPD:**

>35 dB within -1 dB contour

**Rx XPD:**

>35 dB within -1 dB contour

**Remarks:**

\*Awaiting re-approval

**Applicant:**

ASC Signal (previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto : [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**  
EA-A027

**Antenna:**  
62-24452-02

**Diameter:**  
2.4 m

**Standard:**  
M

**Approval date:**  
07-01-2005

**Revision 1 date:**  
31-07-2008

**Expiry date:**  
16-11-2011

**System Description:**

General purpose earth station for digital transmission up to highest bit rates. Dual optics offset Gregorian configuration. Two piece SMC main reflector, aluminium sub-reflector in compact configuration. Two port ASC Signal Corporation OMT.

**Configurations:**

One standard configuration. Optional de-icing system for feed, main and sub-reflector. Optional matching non-penetrating roofmount.

**Maximum Allowed EIRP density:**

53.2 dBW/40kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers).

**Tx Frequency:**  
13.75-14.50 GHz

**Rx Frequency:**  
10.70-12.75 GHz

**Tx Gain:**  
49.2 dBi (typical at 14.25 GHz)

**Rx Gain:**  
47.5 dBi (typical at 11.70 GHz)

**Tx XPD:**  
>35 dB within -1 dB contour

**Rx XPD:**  
>35 dB within -1 dB contour

**Remarks:** None

**Applicant:**

ASC Signal  
(previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto : [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**

EA-A034

**Antenna:**

1.2 m RXTx Class I  
Type 125  
12QDKU-1

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

20-03-2008

**Revision 1 date:**

27-11-2008

**Expiry date:**

16-11-2011

**System Description:**

Long focal length earth station for low and medium rate digital traffic; particularly suited for VSAT applications. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 1.2 m SMC reflector. Two port die-cast OMT. Az El Mount with steel boom arm.

**Configurations:**

Two standard configurations: type125 (fixed applications); 12QDKU-1 (Quick Deploy Tripod).

**Maximum Allowed EIRP:**

44.3 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers).

**Tx Frequency:**

13.75 – 14.50 GHz

**Rx Frequency:**

10.70-12.75 GHz

**Tx Gain:**

43.3 dBi (typical at 14.25 GHz)

**Rx Gain:**

42.0 dBi (typical at 11.70 GHz)

**Tx XPD:**

&gt;30 dB within the mainlobe -1 dB contour

**Rx XPD:**

&gt;26 dB within the mainlobe -1 dB contour

**Remarks:**

Class I is designed for operating with an integrated transceiver assembly (or BUC+LNB assemblies) weighting a maximum of 1.7 Kg.

To be operated for maximum wind speeds of up to 72 Km/h (Type 125) or 50 Km/h (Type 12QDKU-1) corresponding to a pointing error equal to 0.2°.

**Applicant:**

ASC Signal  
(previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto: [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**

EA-A035

**Antenna:**

Type 961

**Diameter:**

0.96 m

**Standard:**

M

**Approval date:**

01-04-2008

**Expiry date:**

16-11-2011

**System Description:**

Long focal length earth station for low and medium rate digital traffic; particularly suited for VSAT applications. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 0.96 m SMC reflector. Two port die-cast OMT. Az/EI Mount with steel boom arm.

**Configurations:**

One standard configuration: type 961 Class I (fixed applications).

**Maximum Allowed EIRP:**

42.9 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers).

**Tx Frequency:**

13.75 – 14.50 GHz

**Rx Frequency:**

10.70-12.75 GHz

**Tx Gain:**

41.2 dBi (typical at 14.25 GHz)

**Rx Gain:**

39.5 dBi (typical at 11.70 GHz)

**Tx XPD:**

>30 dB within the mainlobe -1 dB contour

**Rx XPD:**

>28 dB within the mainlobe -1 dB contour

**Remarks:**

Class I is designed for operating with an integrated transceiver assembly (or BUC+LNB assemblies) weighting a maximum of 1.7 Kg.

To be operated for maximum wind speeds of up to 72 Km/h.

**Applicant:**

Raven  
Metcalf Drive  
Altham Ind Est  
Accrington  
BB5 5TU  
England

Tel: +44 1383 625760

Mail : david.geen@raven.co.uk

**Certificate:**

EA-A038

**Antenna:**

Type 122

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

29-06-2009

**Expiry date:**

16-11-2011

**System Description:**

Single-reflector earth station for low and medium rate digital traffic; particularly suited for VSAT applications. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 1.2m SMC reflector. Two port die-cast OMT. Az/EI Mount with steel boom arm.

**Configurations:**

One standard configuration.

**Maximum Allowed EIRP:**

44.6 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers).

**Tx Frequency:**

14.0 – 14.50 GHz

**Rx Frequency:**

10.70-12.75 GHz

**Tx Gain:**

43.6 dBi (typical at 14.25 GHz)

**Rx Gain:**

42.0 dBi (typical at 11.95 GHz)

**Tx XPD:**

>30 dB within the mainlobe -1 dB contour

**Rx XPD:**

>24 dB within the mainlobe -1 dB contour

**Remarks:**

Class I is designed for operation with BUC weight not exceeding 1.7 Kg.

To be operated for maximum wind speeds of up to 72 Km/h corresponding to a pointing error equal to 0.2°.

**Applicant:**

S<sup>+</sup>AS Limited  
6, The Walled Garden  
Wallhouse, Torpichen  
West Lothian EH48 4NQ  
Scotland

Tel: +44 1506 636 314  
Fax: +44 1506 636 315  
<mailto:mik@sasltd.com>

**Certificate:**

EA-V001

**VSAT:**

SF24.ST

**Diameter:**

2.4 m

**Approval date:**

10-04-1995

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Precision Metal E2412HP/02 antenna (2.4 m, two piece, symmetrical, J hook front fed). RF equipment: SSE Technologies Kstar or ASAT-1214 S/N Ku band transceiver(s), with power amplifier of 2, 4, 8, 16, 20 or 25 Watt.

**Models Available:**

According to the following expression:  
SF24.ST(x)(S/N/K)[R]

where:

x = amplifier output power (i.e. 02, 04, 08, 16, 20 or 25)

ASAT S/N or Kstar transceiver type

R indicates redundancy (no R = single thread).

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBirds<sup>TM</sup>, ATLANTIC BIRDS<sup>TM</sup> (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

48.3 dBi (typical)

**G/T:**

25.0 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>35 dB within 1 dB contour

**Remarks:**

Production discontinued



**Applicant:**

S<sup>+</sup>AS Limited  
6, The Walled Garden  
Wallhouse, Torpichen  
West Lothian EH48 4NQ  
Scotland

Tel: +44 1506 636 314  
Fax: +44 1506 636 315  
<mailto:mik@sasltd.com>

**Certificate:**

EA-V002

**VSAT:**

SF24.DT7000

**Diameter:**

2.4 m

**Approval date:**

16-06-1995

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Precision Metal E2412HP/02 antenna (2.4 m, two piece, symmetrical, J hook front-fed). RF equipment: Comstream DT7000 Ku band transceiver with power amplifier of 2 Watt. Single thread.

**Models Available:**

One standard configuration.

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBirds<sup>TM</sup>, ATLANTIC BIRDS<sup>TM</sup> (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

48.3 dBi (typical)

**G/T:**

25.0 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>35 dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

S<sup>+</sup>AS Limited  
6, The Walled Garden  
Wallhouse, Torpichen  
West Lothian EH48 4NQ  
Scotland

Tel: +44 1506 636 314  
Fax: +44 1506 636 315  
<mailto:mik@sasltd.com>

**Certificate:**

EA-V003

**VSAT:**

SF18.ST

**Diameter:**

1.8 m

**Approval date:**

31-08-1995

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Precision Metal E1812HP/01 antenna (1.8 m, one piece, symmetrical, J hook front-fed). RF equipment: SSE Technologies Kstar or ASAT-1214 S/N Ku band transceiver(s), with power amplifier of 2, 4, 8, 16, 20 or 25 Watt.

**Models Available:**

According to the following expression:

SF18.ST(x)(S/N/K)[R]

where:

x = amplifier output power (i.e. 02, 04, 08, 16, 20 or 25)

ASAT S/N or Kstar transceiver type

R indicates redundancy (no R = single thread).

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

45.8 dBi (typical)

**G/T:**

22.3 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>35 dB within 1 dB contour

**Remarks:**

Production discontinued

# Eutelsat s.a. Type Approval Summary Sheet

**Applicant:**

S<sup>+</sup>AS Limited  
6, The Walled Garden  
Wallhouse, Torpichen  
West Lothian EH48 4NQ  
Scotland

Tel: +44 1506 636 314  
Fax: +44 1506 636 315  
<mailto:mik@sasltd.com>

**Certificate:**

EA-V004

**VSAT:**

SF24.DT7000

**Diameter:**

1.8 m

**Approval date:**

01-09-1995

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Precision Metal E1812HP/01 antenna (1.8 m, one piece, symmetrical, J hook front-fed). RF equipment: Comstream DT7000 Ku band transceiver with power amplifier of 2 Watt. Single thread.

**Models Available:**

One standard configuration.

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBirds<sup>TM</sup>, ATLANTIC BIRDS<sup>TM</sup> (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

45.8 dBi (typical)

**G/T:**

22.3 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>35 dB within 1 dB contour

**Remarks:**

Production discontinued

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

NEC Corporation, Yokohama, Japan  
represented by:  
NEC Benelux  
Antareslaan 65 PO Box 3110  
NL-2132 KC JE Hoofddorp  
The Netherlands

Tel: +31 23 5548 481  
Fax: +31 23 5548 588  
<mailto:alex.zehnder@nl.necneur.com>

**Certificate:**  
EA-V005

**VSAT:**  
NEXTAR 1.2 m

**Diameter:**  
1.2 m

**Approval date:**  
19-10-1995

**Expiry date:**  
07-07-2008

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**System Description:**

VSAT terminal consisting of NEC 1.2 m single piece front-fed offset antenna with NEC focal plane outdoor unit and indoor units for AA/TDMA, In-Band Voice and SCPC Voice and/or Data.

**Models Available:**

One standard antenna configuration model E8639 with either a D6537 or E5847 outdoor unit with 1 or 2 Watt SSPA, and indoor unit(s) of model D8436, E3096 or E8200.

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

---

**Tx Gain:**  
43.0 dBi (typical)

**G/T:**  
19.4 dB/K (typical)

**Tx XPD:**  
>30 dB within 1 dB contour

**Rx XPD:**  
>27 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**  
EA-V006

**VSAT:**  
62-12161-04

**Diameter:**  
1.2 m

**Approval date:**  
29-03-1996

**Expiry date:**  
14-01-2005

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**System Description:**

VSAT terminal consisting of Channel Master 1.2 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread Comstream DT7000 Ku band transceiver with 2 Watt power amplifier.

**Models Available:**

One standard configuration.

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 53 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

43.0 dBi

**G/T:**

20.5 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

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**Remarks:**

Production discontinued

# Eutelsat s.a. Type Approval Summary Sheet

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V007

**VSAT:**

62-18161-04

**Diameter:**

1.8 m

**Approval date:**

29-03-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.8 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread Comstream DT7000 Ku band transceiver with 2 Watt power amplifier.

**Models Available:**

One standard configuration.

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 56.5 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

46.5 dBi

**G/T:**

24 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued



**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
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**Certificate:**

EA-V008

**VSAT:**

62-12161-11/12

**Diameter:**

1.2 m

**Approval date:**

22-04-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.2 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread Fairchild RFT2000 Ku-Band transceiver with 2 or 4 Watt power amplifier.

**Models Available:**

Model 62-12161-11: 2 Watt SSPA  
Model 62-12161-12: 4 Watt SSPA.

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 53 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

43.0 dBi

**G/T:**

20.5 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V009

**VSAT:**

62-18161-11/12

**Diameter:**

1.8 m

**Approval date:**

22-04-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.8 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread Fairchild RFT2000 Ku-Band transceiver with 2 or 4 Watt power amplifier.

**Models Available:**

Model 62-18161-11: 2 Watt SSPA  
Model 62-18161-12: 4 Watt SSPA.

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 56.5 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

46.5 dBi

**G/T:**

24 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Gilat Satellite Networks Ltd.  
P.O. Box 3397  
Yegia Kapayim St.  
79130 Kiryat Arye, Petach Tikva  
Israel

Tel: +972 3 9252 386  
Fax: +972 3 9213 299  
<mailto:menachema@gilat.com>

**Certificate:**  
EA-V010

**VSAT:**  
GRF-090/02

**Diameter:**  
0.9 m

**Approval date:**  
29-04-1996

**Pending**

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**System Description:**

VSAT terminal based on Fibo 0.9 m dual offset Gregorian antenna. Transmit equipment consists of single thread RF-unit Gilat LN001210 with 0.5 or 1.0 Watt power amplifier incorporated. Receive equipment: New JRC NJR2155A LNB.

**Models Available:**

Model GRF-090/02-0500KU12: 0.5 Watt SSPA  
Model GRF-090/02-1000KU12: 1.0 Watt SSPA.

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

41.8 dBi

**G/T:**

19.5 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Gilat Satellite Networks Ltd.  
P.O. Box 3397  
Yegia Kapayim St.  
79130 Kiryat Arye, Petach Tikva  
Israel

Tel: +972 3 9252 386  
Fax: +972 3 9213 299  
<mailto:menachema@gilat.com>

**Certificate:**  
EA-V011

**VSAT:**  
GRF-120/02

**Diameter:**  
1.2 m

**Approval date:**  
29-04-1996

**Pending**

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**System Description:**

VSAT terminal based on Fibo 1.2 m dual offset Gregorian antenna. Transmit equipment consists of single thread RF-unit Gilat LN001210 with 0.5 or 1.0 Watt power amplifier incorporated. Receive equipment: New JRC NJR2155A LNB.

**Models Available:**

Model GRF-120/02-0500KU12: 0.5 Watt SSPA  
Model GRF-120/02-1000KU12: 1.0 Watt SSPA

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

43.7 dBi

**G/T:**

22.0 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Matra Marconi Space UK Ltd  
Abbey Works, Titchfield  
PO14 4QA Fareham, Hampshire  
United Kingdom

Tel: +44 1705 708550  
Fax: +44 1705 708499

**Certificate:**  
EA-V012

**VSAT:**  
MMS-PML-24

**Diameter:**  
2.4 m

**Approval date:**  
18-06-1996

**Expiry date:**  
13-06-2008

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**System Description:**

VSAT terminal based on Precision Metal E2412HP/02 antenna (2.4 m, two piece symmetrical, J hook front-fed). Transmit equipment consists of Skydata RF-unit 2401-AS-A in 2/3/8/16 Watt single thread or 8/16 Watt redundant configuration. Receive equipment: NJR2136S or Norsat 1200B LNB.

**Models Available:**

Model MMS-PML-2402:	2 Watt SSPA, Single Thread
Model MMS-PML-2403:	3 Watt SSPA, Single Thread
Model MMS-PML-2408:	8 Watt SSPA, Single Thread
Model MMS-PML-2416:	16 Watt SSPA, Single Thread
Model MMS-PML-2408-R:	8 Watt SSPA, Redundant
Model MMS-PML-2416-R:	16 Watt SSPA, Redundant

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**  
48.3 dBi (typical)

**G/T:**  
25.5 dB/K (typical)

**Tx XPD:**  
>35 dB within 1 dB contour

**Rx XPD:**  
>35 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

GEC Capital Spacenet Services, Inc  
1750 Old Meadow Road  
McLean, Virginia 22102  
USA

Tel: +1 703 848 1300  
Fax: +1 703 848 1036  
<mailto:pr@spacenet.com>

**Certificate:**

EA-V015

**VSAT:**

Skydata Advantage - 0.98A

**Diameter:**

0.98 m

**Approval date:**

17-12-1996

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Prodelin 0.98 m front-fed offset antenna model 1981. Transmit radio unit Gilat AN3422-01 with solid state 0.5 Watt SSPA. Receive equipment either Normarc LNB model 4000B or Comsat LNB model NJR2136H or NJR2536N.

**Models Available:**

One basic model with 0.5 Watt SSPA and either Normarc or Comsat LNB. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

41.0 dBi (typical)

**G/T:**

18.3 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:**

No longer valid due to design changes affecting performance

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

GEC Capital Spacenet Services, Inc  
1750 Old Meadow Road  
McLean, Virginia 22102  
USA

Tel: +1 703 848 1000  
Fax: +1 703 848 1036  
<mailto:pr@spacenet.com>

**Certificate:**

EA-V016

**VSAT:**

Skydata Advantage – 1.2 A

**Diameter:**

1.20 m

**Approval date:**

17-12-1996

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Prodelin 1.2 m front-fed offset antenna model 1134. Transmit radio unit Gilat AN3422-01 with solid state 0.5 Watt SSPA. Receive equipment either Normarc LNB model 4000B or Comsat LNB model NJR2136H or NJR2536N.

**Models Available:**

One basic model with 0.5 Watt SSPA and either Normarc or Comsat LNB. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

42.7 dBi (typical)

**G/T:**

20.5 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

---

**Remarks:**

No longer valid due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination of 30 dB @ -1 dB contour.

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V017

**VSAT:**

62-12161-25/26/27/28

**Diameter:**

1.2 m

**Approval date:**

20-12-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.2 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread S.S.E. ASAT-1214 Ku-Band transceiver with 2, 4, 8 or 16 Watt power amplifier.

**Models Available:**

Model 62-12161-25: 2 Watt SSPA  
Model 62-12161-26: 4 Watt SSPA  
Model 62-12161-27: 8 Watt SSPA  
Model 62-12161-28: 16 Watt SSPA

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 53 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

43.0 dBi

**G/T:**

20.5 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued



**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V018

**VSAT:**

62-18161-25/26/27/28

**Diameter:**

1.8 m

**Approval date:**

20-12-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.8 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread S.S.E. ASAT-1214 Ku-Band transceiver with 2, 4, 8 or 16 Watt power amplifier.

**Models Available**

Model 62-18161-25: 2 Watt SSPA  
Model 62-18161-26: 4 Watt SSPA  
Model 62-18161-27: 8 Watt SSPA  
Model 62-18161-28: 16 Watt SSPA

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 56.5 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

46.5 dBi

**G/T:**

24 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V019

**VSAT:**

62-24161-21/22/23/24

**Diameter:**

2.4 m

**Approval date:**

20-12-1996

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 2.4 m two piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread S.S.E. K-STAR 3040 Ku-Band transceiver with 2, 4, 8 or 16 Watt power amplifier.

**Models Available:**

Model 62-24161-21: 2 Watt SSPA  
Model 62-24161-22: 4 Watt SSPA  
Model 62-24161-23: 8 Watt SSPA  
Model 62-24161-24: 16 Watt SSPA

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

49.0 dBi

**G/T:**

25.2 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

L.Teq Limited  
Lapwing 440  
Frimley Business Park  
Frimley, Surrey  
GU16 5SG  
United Kingdom

Tel: +44 1276 686566  
Fax: +44 1276 686550  
<mailto:dsmith@lteq.com>

**Certificate:**

EA-V020

**VSAT:**

ALPHA/12POS

**Diameter:**

1.2 m

**Approval date:**

2-04-1997

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Prodelin 1.2 m front-fed offset antenna model 1134 and EF-Data Transmit/Receive radio equipment. Single thread version only.

**Models Available:**

Either 2 / 4 Watt version with EF-Data KST-2000 or 8 / 16 Watt version with KST-12000. LNA Noise Temperature 85K-120K depending on options.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

42.7 dBi (typical)

**G/T:**

19.7 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

**Remarks:**

No longer valid due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination of 30 dB @ -1 dB contour.

# Eutelsat s.a. Type Approval Summary Sheet

**Applicant:**

NEC Corporation, Yokohama, Japan  
represented by:  
NEC Benelux  
Antareslaan 65 PO Box 3110  
NL-2130 KC JE Hoofddorp  
The Netherlands

Tel: +31 23 5548 548  
Fax: +31 23 5548 547  
<mailto:alex.zehnder@nl.neceur.com>

**Certificate:**

EA-V021

**VSAT:**

NEXTAR 0.9 m

**Diameter:**

0.9 m

**Approval date:**

02-04-1997

**Revision 1 Date:**

22-10-1999

**Expiry date:**

01-07-2008

**System Description:**

VSAT terminal based on Fibo 0.9 m dual offset Gregorian antenna model 58000. Integrated transmit/receive radio unit NEC E5847 with solid state 1 or 2 Watt SSPA. Indoor unit(s) of model D8436, E3096 or E8200.

**Models Available:**

One basic model with either 1 or 2 Watt SSPA.

**Maximum Allowed EIRP:**

37 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

41.4 dBi (typical at 14.25 GHz)

**G/T:**

19 dB/K (typical at 12.6 GHz)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>35 dB within 1 dB contour

**Remarks:** None

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Hughes Network Systems  
Saxon Street, Linford Wood  
Milton Keynes  
MK14 6LD  
United Kingdom

Tel: +44 1908 326250  
Fax: +44 1908 221127  
<mailto:s.watts@eu.hns.com>

**Certificate:**

EA-V022

**VSAT:**

PESX000 - 0.98 m

**Diameter:**

0.98 m

**Approval date:**

14-11-1997

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Prodelin 0.98 m front-fed offset antenna model 1981. MTI radio unit incorporating a 2 Watt SSPA.

**Models Available:**

One basic model with 2 Watt SSPA. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

41.0 dBi (typical)

**G/T:**

17.6 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

---

**Remarks:**

No longer valid due to design changes affecting performance

# Eutelsat s.a. Type Approval Summary Sheet

**Applicant:**

Hughes Network Systems  
Saxon Street, Linford Wood  
Milton Keynes  
MK14 6LD  
United Kingdom

Tel: +44 1908 326250  
Fax: +44 1908 221127  
<mailto:s.watts@eu.hns.com>

**Certificate:**

EA-V023

**VSAT:**

PESX000 - 1.2 m

**Diameter:**

1.2 m

**Approval date:**

14-11-1997

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Prodelin 1.2 m front-fed offset antenna model 1134. MTI radio unit incorporating a 2 Watt SSPA.

**Models Available:**

One basic model with 2 Watt SSPA. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

42.7 dBi (typical)

**G/T:**

19.3 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

**Remarks:**

No longer valid due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination of 30 dB @ -1 dB contour.

**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145570  
Fax: +49 7234 1455710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V024

**VSAT:**

62-18161-40/41/42/43

**Diameter:**

1.8 m

**Approval date:**

20-01-1998

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal consisting of Channel Master 1.8 m single piece front-fed offset antenna, equipped with ERA (compensated) feed system. Polarisation adjustment by rotation of entire antenna around boresight. RF equipment: single thread SierraCom 3100 Ku-Band transceiver with 1, 2, 4 or 8 Watt power amplifier.

**Models Available**

Model 62-18161-40: 1 Watt SSPA  
Model 62-18161-41: 2 Watt SSPA  
Model 62-18161-42: 4 Watt SSPA  
Model 62-18161-43: 8 Watt SSPA

**Maximum Allowed EIRP:**

For digital carriers up to 2.5 MSymbol/s: 56.5 dBW / 40 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1<sup>TM</sup> and 0 dB/K for other HBs<sup>TM</sup>, Ws, SESATs, EUROBIRDS<sup>TM</sup>, ATLANTIC BIRDS<sup>TM</sup> (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

46.5 dBi

**G/T:**

24 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>21 dB within 1 dB contour

**Remarks:**

Production discontinued

**Applicant:**

Channel Master LLC.  
1315 Industrial Park Dr.  
Smithfield, NC 27577  
USA

Tel: + 1 919 989 1701  
Fax: + 1 919 989 2200  
<mailto:pgardner@cmnc.com>

**Certificate:**

EA-V025

**VSAT:**

62-12356-51/52

**Diameter:**

1.2 m

**Revision 2 date:**

24-01-2000

**Revision 3 date:**

18-12-2001

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Channel Master 1.2 m front-fed offset antenna, long focal length, light weight version. Gilat RF-equipment Model AN3422-01.

**Models Available:**

Two models: 62-12356-51 with 0.5 Watt SSPA and 62-12356-52 with 1 Watt SSPA.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

43.3 dBi (typical)

**G/T:**

21.0 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

**Remarks for revision 3 approval:**

The junction block for the feed subsystem has been replaced by a new design Die-Cast Terminal Block and the Az-El Cap Mount has been replaced with a new two piece clamp. Production discontinued.



**Applicant:**

Scientific Atlanta  
420 North Wickham Road  
Melbourne, Florida 32935  
USA

Tel: +1 407 2553000  
Fax: +1 407 2593942  
<mailto:nick.restivo@atl.viasat.com>

**Certificate:**

EA-V026

**VSAT:**

SkyRelay 3000-098

**Diameter:**

0.98 m

**Approval date:**

22-10-1998

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Prodelin 0.98 m front-fed offset antenna model 1981. Transmit radio unit Scientific Atlanta Model 6605 with solid state 0.8 Watt SSPA. Receive equipment: LNB either Norsat (4509B or 1210LB) or Nichimen (NJR2154HA or NJR2536S).

**Models Available:**

One basic model with 0.8 Watt SSPA and either PLL or DRO type LNB from Norsat or Nichimen. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBRDs™, ATLANTIC BRDs™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

41.0 dBi (typical)

**G/T:**

17.8 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

**Remarks:**

EIRP adjustment by insertion of fixed waveguide attenuators; minimum step size 2 dB.

No longer valid due to design changes affecting performance.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Scientific Atlanta  
420 North Wickham Road  
Melbourne, Florida 32935  
USA

Tel: +1 407 2553000  
Fax: +1 407 2593942  
<mailto:nick.restivo@atl.viasat.com>

**Certificate:**

EA-V027

**VSAT:**

SkyRelay 3000-120

**Diameter:**

1.2 m

**Approval date:**

22-10-1998

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Prodelin 1.2 m front-fed offset antenna model 1134. Transmit radio unit Scientific Atlanta Model 6605 with solid state 0.8 Watt SSPA. Receive equipment: LNB either Norsat (4509B or 1210LB) or Nichimen (NJR2154HA or NJR2536S).

**Models Available:**

One basic model with 0.8 Watt SSPA and either PLL or DRO type LNB from Norsat or Nichimen. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW/4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

---

**Tx Gain:**

42.7 dBi (typical)

**G/T:**

19.6 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

---

**Remarks:**

EIRP adjustment by insertion of fixed waveguide attenuators; minimum step size 2 dB.

No longer valid due to design changes affecting performance. Only antennas manufactured before 31/12/2004 meet the cross-polarisation discrimination of 30 dB @ -1 dB contour.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Scientific Atlanta  
420 North Wickham Road  
Melbourne, Florida 32935  
USA

Tel: +1 407 2553000  
Fax: +1 407 2593942  
<mailto:nick.restivo@atl.viasat.com>

**Certificate:**

EA-V028

**VSAT:**

SkyRelay 3000-180

**Diameter:**

1.8 m

**Approval date:**

22-10-1998

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Prodelin 1.8 m front-fed offset antenna model 1194. Transmit radio unit Scientific Atlanta Model 6605 with solid state 0.8 Watt SSPA. Receive equipment: LNB either Norsat (4509B or 1210LB) or Nichimen (NJR2154HA or NJR2536S).

**Models Available:**

One basic model with 0.8 Watt SSPA and either PLL or DRO type LNB from Norsat or Nichimen. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

---

**Tx Gain:**

46.5 dBi (typical)

**G/T:**

23.1 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

---

**Remarks:**

EIRP adjustment by insertion of fixed waveguide attenuators; minimum step size 2 dB.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Scientific Atlanta  
420 North Wickham Road  
Melbourne, Florida 32935  
USA

Tel: +1 407 2553000  
Fax: +1 407 2593942  
<mailto:nick.restivo@atl.viasat.com>

**Certificate:**

EA-V029

**VSAT:**

SkyRelay 3000-240

**Diameter:**

2.4 m

**Approval date:**

15-12-1998

**Expiry date:**

01-07-2008

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**System Description:**

VSAT terminal based on Prodelin 2.4 m front-fed offset antenna model 1244, versions 930, 931 or 933 only. Transmit radio unit Scientific Atlanta Model 6605 with solid state 0.8 Watt SSPA. Receive equipment: LNB either Norsat (4509B or 1210LB) or Nichimen (NJR2154HA or NJR2536S).

**Models Available:**

One basic model with 0.8 Watt SSPA and either PLL or DRO type LNB from Norsat or Nichimen. Optional superhydrophobic coating and anti-icing system.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

48.8 dBi (typical)

**G/T:**

25.5 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:**

EIRP adjustment by insertion of fixed waveguide attenuators; minimum step size 2 dB.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Channel Master International GmbH  
Julius Moser Strasse 13  
75179 Pforzheim  
Germany

Tel: +49 7231 145 570  
Fax: +49 7234 145 5710  
<mailto:m.pfrommer@channel-master-int.com>

**Certificate:**

EA-V030

**VSAT:**

62-12456-53/54

**Diameter:**

1.2 m

**Approval date:**

28-10-1998

**Revision 1 date:**

24-01-2000

**Expiry date:**

14-01-2005

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**System Description:**

VSAT terminal based on Andrew Corporation 1.2 m front-fed offset antenna, long focal length, heavy-duty version. SSE K-STAR RF-equipment.

**Models Available:**

Two models: 62-12456-53 with 2 Watt SSPA and 62-12456-54 with 4 Watt SSPA.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

43.3 dBi (typical)

**G/T:**

21 dB/K (typical)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:**

Production discontinued

# Eutelsat s.a. Type Approval Summary Sheet

**Applicant:**

Channel Master LLC  
1315 Industrial Park Dr.  
Smithfield, NC 27577  
USA

Tel: + 1 919 989 1701  
Fax: + 1 919 989 2200  
<mailto:pgardner@cmnc.com>

**Certificate:**

EA-V031

**VSAT:**

62-96052-01  
62-96056-01

**Diameter:**

0.96 m

**Approval date:**

29-10-1999

**Revision 1 date:**

19-05-2000

**Revision 2 date:**

18-12-2001

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on Channel Master 0.96 m front-fed offset antenna, long focal length, light/medium duty version. GILAT RF Tx-equipment.

**Models Available:**

Two models: Light duty mount 62-96052-01 with 0.5 Watt SSPA and medium duty mount 62-96056-01 with either 0.5 or 1 Watt SSPA.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

41.2 dBi (typical at 14.25 GHz)

**G/T:**

19.4 dB/K (typical at 11.95 GHz)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

**Remarks for revision 2 approval:**

The junction block for the feed subsystem has been replaced by a new design Die-Cast Terminal Block and the Az-El Cap Mount has been replaced with a new two piece clamp. Production discontinued.

**Applicant:**

NEC Corporation, Yokohama, Japan  
represented by:  
NEC Benelux  
Antareslaan 65 PO Box 3110  
NL-2132 KC JE Hoofddorp  
The Netherlands

Tel: +31 23 5548 481  
Fax: +31 23 5548 588  
<mailto:alex.zehnder@nl.neceur.com>

**Certificate:**

EA-V033

**VSAT:**

NEXTAR 0.98 m

**Diameter:**

0.98 m

**Approval date:**

31-05-2000

**Expiry date:**

14-01-2005

**System Description:**

VSAT terminal based on single offset Prodelin antenna mod. 1981. Integrated transmit/receive radio unit NEC G3606 with solid state 1 or 2 Watt SSPA. Indoor unit(s) of model D8436 (Nextar IV or V), G3700 (BOD).

**Models Available:**

One basic model with either 1 or 2 Watt SSPA.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev1, §6.1 refers).

**Tx Gain:**

40.9 dBi (typical at 14.25 GHz)

**G/T:**

18.3 dB/K (typical at 12.6 GHz)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>27 dB within 1 dB contour

**Remarks:**

No longer valid due to design changes affecting performance

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Wireless Innovation Ltd  
Unit D2 - Churcham Business Park  
Churcham  
Gloucestershire GL2 8AA  
United Kingdom

Tel: +44 08454 66 00 11  
Fax: +44 08717 84 00 11  
<mailto:tony.martin@wi-ltd.net>

**Certificate:**  
EA-V034

**VSAT:**  
CTL3096

**Diameter:**  
0.96 m

**Approval date:**  
31-05-2000

**Expiry date:**  
16-06-2008

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**System Description:**

VSAT terminal based on Andrew 0.96 m front-fed antenna, long focal length, medium duty version. TSAT AS RF-equipment.

**Models Available:**

One standard configuration medium duty mount 62-96056-01 with 0.5 W RF-unit.

**Maximum Allowed EIRP:**

40 dBW / 4kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

41.2 dBi (typical at 14.25 GHz)

**G/T:**

19.7 dB/K (typical at 12.75 GHz)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:**

Frequency: 14.00 - 14.25 GHz.



# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Precision Antennas  
Masons Road  
Stratford-upon-Avon  
Warwickshire CV37 9NU  
United Kingdom

Tel: +44 1789 266 131  
Fax: +44 1789 298 497  
<mailto:chriscox@andrew.com>

**Certificate:**  
EA-V035

**VSAT:**  
EOT18KUE/T

**Diameter:**  
1.8 m

**Standard:**  
M

**Approval date:**  
20-06-2000

**Expiry date:**  
13-06-2008

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**System Description:**

VSAT terminal based on Precision Antenna 1.8 Ku band single offset antenna. Metallic main reflector. TSAT AS 0.5 Watt RF equipment.

**Configurations:**

One standard configuration.

**Maximum Allowed EIRP:**

40 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EURO-BIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Gain:**

46.4 dBi (typical at 14.25 GHz)

**G/T:**

22.7 dB/K (typical)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>27 dB within 1 dB contour

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**Remarks:**

Frequency: 14.00 - 14.25 GHz.

**Applicant:**

Sea Tel Inc.  
1035 Shary Court  
Concord, CA 94518  
USA

Tel: +1 925 798 7979  
Fax: +1 925 798 7986  
<mailto:wess@seatel.com>

**Certificate:**

EA-V037

**VSAT:**

4996T 7/8 w

**Diameter:**

1.2 m

**Approval date:**

19-12-2001

**Revision 1 date:**

11-03-2005

**Expiry:**

05-10-2005

**System Description :**

VSAT maritime terminal consisting of Sea Tel 1.2 m dual offset gregorian antenna with single piece fiber glass radome, with three axis stabilization platform and a conical scanning tracking. The transceiver is a Ku band CODAN 5900.

**Models Available :**

One standard model 4996 T 7/8w. The CODAN 5900 transceiver is available with 2, 4, 8 and 16 Watt power SSPA.

**Maximum Allowed EIRP :**

40 dBW/4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESAT, EURO BIRD™, ATLANTIC BIRD™ (EESS-502, issue 9 - rev 1, §6.1 refers).

**Tx Gain:**

41.8 dBi (typical)

**G/T:**

18.4 dB/K (typical at 11.4 GHz)

**Tx XPD:**

>30 dB within 0.2°

**Rx XPD:**

>30 dB within 0.2° dB

**Remarks:**

Tx frequency band : 13.75 – 14.5 GHz.

Type approval expired because the original type approved data are no longer valid.

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Gilat Satellite Networks Ltd  
21 Yegia Kapayim St. Kiryat Arye  
Petah Tikva 49130  
Israel

tel: +972 3 9252 196  
fax: +972 3 9252 985  
<mailto:menachema@gilat.com>

**Certificate:**

EA-V039

**VSAT:**

Skystar 1.2m

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

09-12-2003

**Pending**

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**System Description:**

VSAT terminal based on single offset Prodelin 1.2m antenna model 1132. Gilat 1 W Solid State Amplifier type approved EODU-001 or EODU-002.

**Models available:**

One standard configuration.

**Maximum Allowed EIRP:**

40 dBW / 4 KHz per carrier at the satellite receive contours of -0.5 dB/K HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.50 GHz

**Tx Gain:**

43.0 dBi (typical at 14.25 GHz)

**G/T:**

20.5 dB/K (typical at 12.50 GHz)

**Tx XPD:**

>30 dB within 1 dB contour

**Rx XPD:**

>30 dB within 1 dB contour

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**Remarks:** None

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

Andrew Corporation (previously Channel Master LLC)  
1315 Industrial Park Drive  
Smithfield, N.C. 27577  
USA

Tel: +1 919 934 9711  
Fax: +1 919 989 2200  
<mailto:peter.gardner@andrew.com>

**Certificate:**  
EA-V048

**Antenna:**  
62-12356-11

**Diameter:**  
1.2 m

**Standard:**  
M

**Approval date:**  
07-01-2005

**Expiry date:**  
16-06-2008

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**System Description:**

VSAT terminal based on Andrew 1.2 m front-fed offset antenna, long focal length, Class I version. Gilat RF-TX equipment Model AN3422-01.

**Models Available:**

One model only: Class I 62-12356-11 with either 0.5 or 1 Watt SSPA.

**Maximum Allowed EIRP:**

40.0 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBIRDS™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

43.3 dBi (typical at 14.25 GHz)

**G/T:**

21 dB/K (typical at 12.50 GHz)

**Tx XPD:**

>30 dB within -1 dB contour

**Rx XPD:**

>30 dB within -1 dB contour

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**Remarks:**

The junction block for the feed subsystem is using a Die-Cast Terminal Block. Class I is designed for lightweight ODUs up to 2.3 kg.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

Andrew Corporation (previously Channel Master LLC)  
1315 Industrial Park Drive  
Smithfield, N.C. 27577  
USA

Tel: +1 919 934 9711  
Fax: +1 919 989 2200  
<mailto:peter.gardner@andrew.com>

**Certificate:**

EA-V049

**Antenna:**

62-12456-01

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

07-01-2005

**Expiry date:**

16-06-2008

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**System Description:**

VSAT terminal based on Andrew 1.2 m front-fed offset antenna, long focal length, Class III version. Gilat RF-TX equipment Model AN3422-01.

**Models Available:**

One model only: Class III 62-12456-01 with either 0.5 Watt or 1 Watt SSPA.

**Maximum Allowed EIRP:**

40.0 dBW / 4 kHz per carrier at the satellite receive contours of -0.5 dB/K for HB1™ and 0 dB/K for other HBs™, Ws, SESATs, EUROBirds™, ATLANTIC BIRDS™ (EESS-502, issue 9 - rev 1, §6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

43.3 dBi (typical at 14.25 GHz)

**G/T:**

21 dB/K (typical at 12.50 GHz)

**Tx XPD:**

>30 dB within -1 dB contour

**Rx XPD:**

>30 dB within -1 dB contour

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**Remarks:**

Class III is designed for ODUs up to 11 kg.

# Eutelsat s.a. Type Approval Summary Sheet



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**Applicant:**

ASC Signal  
(previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto : [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**  
EA-V050**Antenna:**  
62-96056-01**Diameter:**  
0.96 m**Standard:**  
M**Approval date:**  
07-01-2005**Expiry date:**  
01-10-2008

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**System Description:**

VSAT terminal based on Andrew 0.96 m front-fed offset antenna, long focal length, Class II version. Gilat RF-TX equipment Model AN3422-01

**Models Available:**

One model only: Class II 62-96056-01 with either 0.5 or 1 Watt SSPA.

**Maximum Allowed EIRP:**

41.0 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502, Issue 11 - Rev.0, § 6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

41.2 dBi (typical at 14.25 GHz)

**G/T:**

19.4 dB/K (typical at 12.50 GHz)

**Tx XPD:**

>30 dB within -1 dB contour

**Rx XPD:**

>30 dB within -1 dB contour

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**Remarks:** The junction block for the feed subsystem is using a Die-Cast Terminal Block Class II is designed for ODUs up to 5.4 kg

# Eutelsat s.A. Type Approval Summary Sheet



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**Applicant:**

ASC Signal  
(previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto: [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**  
EA-V051**Antenna:**  
62-12362-01**Diameter:**  
1.2 m**Standard:**  
M**Approval date:**  
07-01-2005**Expiry date:**  
01-10-2008

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**System Description:**

VSAT terminal based on ASC Signal Corporation 1.2 m front-fed offset antenna, long focal length, Class II version. Gilat RF-TX equipment Model AN3422-01

**Models Available:**

One model only: Class II 62-12362-01 with 0.5 W or 1 W SSPA.

**Maximum Allowed EIRP:**

45.3 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502, Issue 11 - Rev.0, § 6.1 refers).

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**Tx Frequency:**

14.00 - 14.50 GHz

**Rx Frequency:**

10.95 - 12.75 GHz

**Tx Gain:**

43.3 dBi (typical at 14.25 GHz)

**G/T:**

21 dB/K (typical at 12.50 GHz)

**Tx XPD:**

>30 dB within -1 dB contour

**Rx XPD:**

>30 dB within -1 dB contour

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**Remarks:** The junction block for the feed subsystem is using a Die-Cast Terminal Block. Class II is designed for ODUs up to 5.4 kg

**Applicant:**

ASC Signal  
(previously Andrew Corporation)  
620 North Greenfield Parkway,  
Garner, N.C. 27529  
USA

Tel: +1 919 329 8721  
Fax: +1 919 329 8701  
mailto: [peter.gardner@ascsignal.com](mailto:peter.gardner@ascsignal.com)

**Certificate:**

EA-V054

**Antenna:**

1.2 m RXTx Class I  
MIL-12QDKU-1

**Diameter:**

1.2 m

**Standard:**

M

**Approval date:**

20-03-2008

**Expiry date:**

09-09-2015

**System Description:**

Quick Deploy VSAT terminal for low and medium rate digital traffic. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 1.2 m SMC reflector. Two port die-cast OMT. Az/EI Mount with steel boom arm. Collapsible tripod. 30 W ND Satcom RFT 5000 KU-BAND, Invacom SPV-30 SM LNB.

**Configurations:**

One standard configuration type MIL-12QDKU-1 with mode generator and rotary joint.

**Maximum Allowed EIRP:**

42.6 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502 § 6.1 refers).

**Tx Frequency:**

14.00 – 14.50 GHz

**Rx Frequency:**

10.70-12.75 GHz

**Tx Gain:**

43.8 dBi (typical at 14.25 GHz)

**G/T:**

21.5 dB/K (typical at 11.70 GHz)

**Tx XPD:**

&gt;30 dB within the mainlobe -1 dB contour

**Rx XPD:**

&gt;26 dB within the mainlobe -1 dB contour

**Remarks:**

Class I is designed for operating with an integrated transceiver assembly (or BUC+LNB assemblies) weighing a maximum of 1.7 Kg.

To be operated for maximum wind speeds of up to 50 Km/h.