

# *Type Approval Guide*

Revised September 26th, 2000

**INTELSAT**

**ANTENNA SIZE :** *1.2 Meter Ku-Band*

**MODEL NUMBER** 1134-990, 1134-991, 1134-992, 1134-993

**STANDARD** G **INTELSAT APPROVAL NUMBER :** **IA045A00**  
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**ANTENNA SIZE :** *1.8 Meter Ku-Band*

**MODEL NUMBER:** 1184-110, 1184-111, 1184-131, 1184-133, 1184-240,  
1184-241, 1184-250, 1184-251, 1184-300, 1184-301,  
1184-320, 1184-321, 1184-334, 1184-335, 1184-360,  
1184-361, 1184-500, 1184-501

**STANDARD:** K2,G **INTELSAT APPROVAL NUMBER :** **IA005A00**  
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**ANTENNA SIZE:** *1.8 Meter .6 f/d 2 Piece Ku-Band QD*

**MODEL NUMBER:** 1189-350, 1189-500, 1189-770, 1189-800

**STANDARD:** K2,G **INTELSAT APPROVAL NUMBER :** **IA043A00**  
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**ANTENNA SIZE:** *1.8 Meter C-Band Circular Polarized*

**MODEL NUMBER:** 1184-281-L/R, 1184-283-L/R, 1184-285-L/R  
1184-286-L/R, 1184-425-L/R, 1184-427-L/R  
1184-429-L/R, 1184-480-L/R, 1184-482-L/R  
1184-483-L/R

**STANDARD:** H2,G **INTELSAT APPROVAL NUMBER :** **IA010C00**  
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**ANTENNA SIZE:** *1.8 Meter .6 f/d 2 piece C-Band Circular Polarized Quick Deploy*

**MODEL NUMBER:** 1189-420-L, 1189-420-R, 1189-480-L  
1189-480-R, 1189-770, 1189-800

**STANDARD:** H2,G **INTELSAT APPROVAL NUMBER :** **IA044A00**  
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**ANTENNA SIZE:** *2.4 Meter 2-Piece C-Band Circular Polarized*

**MODEL NUMBER:** 1251-283-L/R, 1251-422-L/R, 1251-425-L/R, 1251-485-L/R,  
1251-486-L/R, 1251-487-L/R, 1251-530-L/R, 1251-690-L/R,  
1251-692-L/R, 1251-693-L/R

**STANDARD:** G, H-3 **INTELSAT APPROVAL NUMBER:** **IA022A00**  
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INTELSAT TYPE APPROVALS (Continued):

ANTENNA SIZE: 2.4 Meter 4-Piece C-Band Circular Polarized

MODEL NUMBER: 1244-281-L, 1244-281-R, 1244-286-L, 1244-286-R, 1244-425-L, 1244-425-R, 1244-426-L, 1244-426-R, 1244-428-L, 1244-428-R, 1244-485-L, 1244-485-R, 1244-486-L, 1244-486-R, 1244-488-L, 1244-488-R

STANDARD: H-3, H-2, G INTELSAT APPROVAL NUMBER: IA042A00

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ANTENNA SIZE: 2.4 Meter 4-Piece Ku-Band Linear Polarized

MODEL NUMBER: 1244-140, 1244-141, 1244-143, 1244-231, 1244-233, 1244-236, 1244-238, 1244-371, 1244-371-1, 1244-373, 1244-373-1, 1244-930, 1244-931, 1244-932, 1244-933, 1244-960, 1244-961, 1244-963, All series 1256

STANDARD: E1, K3, K2, G INTELSAT APPROVAL NUMBER: IA041A00

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ANTENNA SIZE: 3.8 Meter C-Band Circular Polarized

MODEL NUMBER: 1381-285-L/R, 1381-381-L/R, 1381-383-L/R, 1381-425-L/R, 1381-426-L/R, 1381-428-L/R, 1381-480-L/R, 1381-481-L/R, 1381-483-L/R, 1381-520-L/R, 1381-521-L/R, 1381-523-L/R, 1381-580-L/R, 1381-581-L/R, 1381-583-L/R, 1382-285-L/R, 1382-381-L/R, 1382-383-L/R, 1382-425-L/R, 1382-426-L/R, 1382-428-L/R, 1382-480-L/R, 1382-481-L/R, 1382-483-L/R, 1382-520-L/R, 1382-521-L/R, 1382-523-L/R, 1382-545-L/R, 1382-580-L/R, 1382-581-L/R, 1382-583-L/R, 1383-285-L/R, 1383-381-L/R, 1383-383-L/R, 1383-425-L/R, 1383-426-L/R, 1383-428-L/R, 1383-480-L/R, 1383-481-L/R, 1383-483-L/R, 1383-520-L/R, 1383-521-L/R, 1383-523-L/R, 1383-545-L/R, 1383-580-L/R, 1383-581-L/R, 1383-583-L/R., All series 1389

STANDARD: F-1 and G INTELSAT APPROVAL NUMBER: IA031AA0 (with LNA) IA031A00 (without LNA)

H-4 INTELSAT APPROVAL NUMBER: IA31A00

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ANTENNA SIZE: 3.8 Meter C-Band Circular Polarized Quick Deploy

MODEL NUMBER: 1389-930 and 1389-933F

STANDARD: F-1 and G INTELSAT APPROVAL NUMBER: IA031AA0 (with LNA) IA031A00 (without LNA)

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ANTENNA SIZE: 3.8 Meter Ku-Band, Dual Optics

MODEL NUMBER: 1388-350, 1388-351, 1388-353, 1388-508, 1388-950, 1388-951, 1388-953, 1389-930, 1389-933F

STANDARD: E2 and G APPROVAL NUMBER: IA060A00

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**ANTENNA SIZE:** *1.2 Meter Ku-Band*

**MODEL NUMBER:** 1134-990, 1134-991, 1134-992, 1134-993  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band 2 Piece Quick Deploy*

**MODEL NUMBER:** 1139-500, 1139-330  
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**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**MODEL NUMBER:** 1194-990, 1194-991, 1194-992, 1194-993  
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**ANTENNA SIZE:** *1.8 Meter Ku-Band 2 Piece Quick Deploy*

**MODEL NUMBER:** 1199-500, 1199-330

**ANTENNA SIZE:** *2.4 Meter Ku-Band*

**MODEL NUMBER:** 1244-990, 1244-991, 1244-992, 1244-993, 1244-930,  
 1244-931, 1244-932, 1244-933, 1244-231, 1244-233,  
 1244-236, 1244-238, 1244-960, 1244-961, 1244-963,  
 1244-140, 1244-141, 1244-143, 1244-371, 1244-371-1,  
 1244-373, 1244-373-1  
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**ANTENNA SIZE:** *2.4 Meter C-Band, Dual Optics*

**MODEL NUMBER:** All Series 1254 Models  
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**ANTENNA SIZE:** *3.8 M Ku-Band, Dual Optics*

**MODEL NUMBER:** 1388-508, 1388-951, 1388-952

**ETSI Certifications**

**ANTENNA SIZE:** *0.98 Meter Ku-Band*

**MODEL NUMBER:** 1981-990, 1981-991, 1981-993, 1981-351,  
 1981-353

**COMMENTS:** Approved with a representative radio unit with the dimensions:  
 height 6cm, width 7cm, length 24cm and a weight of 1.1 kg (2.5 lbs).  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*

**MODEL NUMBER:** 1134-990, 1134-991, 1134-993

**COMMENTS:** Approved with a representative radio unit with the dimensions:  
 height 14cm, width 14cm, length 25cm and a weight of 7kg (15.5 lbs).  
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**ANTENNA SIZE:** *0.98 Meter Ku-Band*

**MODEL NUMBER:** 1981-920, 1981-921, 1981-923

**COMMENTS:** Approved with a representative radio unit with the dimensions:  
 height 15cm, width 15cm, length 25cm and a weight of 4.5kg (10 lbs)

ETSI CERTIFICATIONS TYPE APPROVALS (Continued):

**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**MODEL NUMBER:** 1194-990, 1194-991, 1194-993, 1194-231,  
1194-233, 1194-371, 1194-371-1, 1194-373,  
1194-373-1

**COMMENTS:** Approved with representative radio unit with the dimensions:  
height 15 cm, width 15 cm, length 30 cm and a weight of 25.5 kg (56 lbs.)  
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**ANTENNA SIZE:** *2.4 Meter (4 pc.) Ku-Band*

**MODEL NUMBER:** 1244-930, 1244-931, 1244-933, 1244-990,  
1244-991, 1244-993, 1244-960, 1244-961,  
1244-963, 1244-236, 1244-238, 1244-371,  
1244-371-1, 1244-373, 1244-373-1,  
1244-376, 1244-378-1

**COMMENTS:** Approved with representative radio unit with the dimensions:  
height 15 cm, width 15 cm, length 30 cm and a weight of 25.5 kg (56 lbs.)

**EUTELSAT**

**ANTENNA SIZE:** *0.98 Meter Ku-Band*

**PRODELIN MODEL NUMBER:** Series 1981

**CERTIFICATE NUMBERS:** EA-V015, EA-V022, EA-V026, EA-V033

**MAXIMUM ALLOWED EIRP:** 40 dBW / 4 kHz per carrier  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*

**PRODELIN MODEL NUMBER:** Series 1134

**CERTIFICATE NUMBERS:** EA-V016, EA-V020, EA-V023, EA-V027

**MAXIMUM ALLOWED EIRP:** 40 dBW / 4 kHz per carrier  
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**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**PRODELIN MODEL NUMBER:** Series 1194

**CERTIFICATE NUMBERS:** EA-V028

**MAXIMUM ALLOWED EIRP:** 40 dBW / 4 kHz per carrier  
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**ANTENNA SIZE:** *2.4 Meter Ku-Band*

**PRODELIN MODEL NUMBER:** Series 1244

**CERTIFICATE NUMBERS:** EA-V029, EA-V032

**MAXIMUM ALLOWED EIRP:** 40 dBW / 4 kHz per carrier

**Hispasat**

**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**PRODELINMODELNUMBER:** Series 1194-990,1194- 991 and 1194-993  
Systems Include 2-Port OMT

**TYPEAPPROVALNUMBER:** HIS-ET-96221-10001-PRO  
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**ANTENNA SIZE:** *2.4 Meter Ku-Band*

**PRODELINMODELNUMBER:** Series 1244-930, 1244-931 and 1244-933  
Systems Include 2-Port OMT

**TYPEAPPROVALNUMBER:** HIS-ET-96221-10005-PRO

**China Orient Telecomm Satellite Company, Ltd.**

**ANTENNA SIZE:** *.98 Meter Ku-Band*

**MODELNUMBER:** Series 1981

**TYPEAPPROVALNUMBER:** 99030

**EXPIRATIONDATE:** October 2004  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*

**MODELNUMBER:** Series 1134

**TYPEAPPROVALNUMBER:** 99031

**EXPIRATIONDATE:** October 2004  
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**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**MODELNUMBER:** Series 1194

**TYPEAPPROVALNUMBER:** 99032

**EXPIRATIONDATE:** October 2004  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter Ku-Band*

**MODELNUMBER:** Series 1244

**TYPEAPPROVALNUMBER:** 99033

**EXPIRATIONDATE:** October 2004  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter C-Band*

**MODELNUMBER:** Series 1244

**TYPEAPPROVALNUMBER:** 99035

**EXPIRATIONDATE:** October 2004  
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CHINA ORIENT TELECOMM SATELLITE COMPANY, LTD. (Continued):

ANTENNA SIZE: *3.8 Meter Ku-Band*

MODEL NUMBER: Series 1388

TYPE APPROVAL NUMBER: 99034

EXPIRATION DATE: October 2004

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**Russian Ministry of Communications**

ANTENNA SIZE: *2.4 Meter 2-piece C-Band  
Circular Polarized*

MODEL NUMBER: Series 1251, with NEC ORU

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ANTENNA SIZE: *2.4 Meter 2-piece Ku-Band  
Linear Polarized*

MODEL NUMBER: Series 1251, with NEC ORU

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ANTENNA SIZE: *2.4 Meter 4-piece Ku-Band  
Linear Polarized*

MODEL NUMBER: Series 1244, with NEC ORU

**ANATEL - Agencia Nacional de Telecomunicacoes (Brazil)**

**ANTENNA SIZE:** *1.2 Meter RX/TX*

**MODELNUMBER:** Series 1125

**CERTIFICATE NUMBER:** 117998-ZZZ995

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**ANTENNA SIZE:** *1.8 Meter RX/TX*

**MODELNUMBER:** Series 1184

**CERTIFICATE NUMBER:** 118098-ZZZ995

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**ANTENNA SIZE:** *2.4 Meter RX/TX*

**MODELNUMBER:** Series 1244

**CERTIFICATE NUMBER:** 118298-ZZZ995

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**ANTENNA SIZE:** *2.4 Meter RX/TX*

**MODELNUMBER:** Series 1257

**CERTIFICATE NUMBER:** 118398-ZZZ995

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**ANTENNA SIZE:** *3.8 Meter RX/TX*

**MODELNUMBER:** Series 1381

**CERTIFICATE NUMBER:** 118498-ZZZ995

**APT Satellite Co., Ltd.**

**ANTENNA SIZE:** *.98 Meter Ku-Band*  
**MODEL NUMBER:** Series 1981  
**CERTIFICATE NUMBER:** USA006  
**EXPIRATION DATE:** December 31, 2003  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*  
**MODEL NUMBER:** Series 1134  
**CERTIFICATE NUMBER:** USA005  
**EXPIRATION DATE:** December 31, 2003  
\*\*\*\*\*

**ANTENNA SIZE:** *1.8 Meter Ku-Band*  
**MODEL NUMBER:** Series 1194  
**CERTIFICATE NUMBER:** USA004  
**EXPIRATION DATE:** December 31, 2003  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter C-Band*  
**MODEL NUMBER:** Series 1244  
**CERTIFICATE NUMBER:** USA003  
**EXPIRATION DATE:** December 31, 2003  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter Ku-Band*  
**MODEL NUMBER:** Series 1244  
**CERTIFICATE NUMBER:** USA002  
**EXPIRATION DATE:** December 31, 2003  
\*\*\*\*\*

**ANTENNA SIZE:** *3.8 Meter C-Band Linear Rx/Tx*  
**MODEL NUMBER:** Series 1383  
**CERTIFICATE NUMBER:** USA063  
**EXPIRATION DATE:** December 31, 2003  
\*\*\*\*\*

**ANTENNA SIZE:** *3.8 Meter Ku-Band*  
**MODEL NUMBER:** Series 1388  
**CERTIFICATE NUMBER:** USA001  
**EXPIRATION DATE:** December 31, 2003



**SINOSAT - Beijing, China**

**ANTENNA SIZE:** *.98 Meter Ku-Band*

**MODEL NUMBER:** Series 1981

**CERTIFICATE NUMBER:** 99033

**EXPIRATION DATE:** September, 2002

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**ANTENNA SIZE:** *1.2 Meter Ku-Band*

**MODEL NUMBER:** Series 1134

**CERTIFICATE NUMBER:** 99034

**EXPIRATION DATE:** September, 2002

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**ANTENNA SIZE:** *1.8 Meter Ku-Band*

**MODEL NUMBER:** Series 1194

**CERTIFICATE NUMBER:** 99032

**EXPIRATION DATE:** September, 2002

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**ANTENNA SIZE:** *2.4 Meter C-Band*

**MODEL NUMBER:** Series 1244

**CERTIFICATE NUMBER:** 99030

**EXPIRATION DATE:** September, 2002

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**ANTENNA SIZE:** *2.4 Meter Ku-Band*

**MODEL NUMBER:** Series 1244

**CERTIFICATE NUMBER:** 99029

**EXPIRATION DATE:** September, 2002

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**ANTENNA SIZE:** *3.8 Meter Ku-Band*

**MODEL NUMBER:** Series 1388

**CERTIFICATE NUMBER:** 99031

**EXPIRATION DATE:** September, 2002

**PT Satelit Palapa Indonesia**

**ANTENNA SIZE:** *.95 Meter Ku-Band*  
**MODELNUMBER:** Series 1951  
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**ANTENNA SIZE:** *.98 Meter Ku-Band*  
**MODELNUMBER:** Series 1981  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*  
**MODELNUMBER:** Series 1123/1125  
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**ANTENNA SIZE:** *1.2 Meter Ku-Band*  
**MODELNUMBER:** Series 1134  
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**ANTENNA SIZE:** *1.8 Meter C & Ku-Band*  
**MODELNUMBER:** Series 1184  
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**ANTENNA SIZE:** *1.8 Meter Ku-Band*  
**MODELNUMBER:** Series 1194  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter C-Band*  
**MODELNUMBER:** Series 1251  
\*\*\*\*\*

**ANTENNA SIZE:** *2.4 Meter Ku-Band*  
**MODELNUMBER:** Series 1244  
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**ANTENNA SIZE:** *2.4 Meter C-Band*  
**MODELNUMBER:** Series 1252  
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**ANTENNA SIZE:** *3.7 Meter C-Band*  
**MODELNUMBER:** Series 1374  
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