

NOTIFICATION OF APPROVAL



October 14, 2014

International Telecommunication Union (ITU)
Place des Nations,
CH-1211 Geneva 20
Switzerland

Attn.: Dr. Hamadoun I. Touré, Secretary-General

Our Reference: Notified Body Opinion for XT-LITE for Thuraya

Dear Dr. Hamadoun I. Touré,

This is to notify that UL Korea, on behalf of our customer **Asia Pacific Satellite communications Inc.**, would like to inform the Technical construction files of Satellite Mobile Hand Held Terminal; **Thuraya XT-LITE** has been approved conformity to the essential technical requirements of R&TTE directive.

Attached you will find a copy of the "Notified Body Statement of Opinion" issued by Notified Body No. **0984**, UL CCS, to the below applicant.

- Applicant: Asia Pacific Satellite communications Inc.
9FL, Lotte IT Castle 2-Dong, #550-1, Gasan-Dong, GeumCheon-Gu, Seoul, Korea, 153-768
- Manufacturer: Asia Pacific Satellite communications Inc.
9FL, Lotte IT Castle 2-Dong, #550-1, Gasan-Dong, GeumCheon-Gu, Seoul, Korea, 153-768
- Product Name: XT-LITE
- Product Designation: Satellite Mobile Hand Held Terminal
- Standards: Article 3.1(a) – Health: EN 62311:2008, EN 50360:2001/A1:2012, EN 50566:2013

Article 3.1(a) – Safety: EN 60950-1:2006+A11:2009+A1:2010+A12:2011

Article 3.1(b) – EMC: ETSI EN 301 489-1 V1.9.2
ETSI EN 301 489-20 V1.2.1
EN 55022: 2010
EN 55024: 2010

Article 3.2 – Radio Spectrum Use:
ETSI EN 301 681 V1.4.1
ITU-R M.1480_2000-05

A handwritten signature in cursive script, reading 'Kyungyong Kim'.

Sincerely,
Kyungyong, Kim
Manager, WiSE Korea
(Wireless, Interoperability, Payment Security & EMC)
UL Verification Services
UL Korea Ltd.

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NOTIFIED BODY STATEMENT OF OPINION

(For Council Directive 1999/5/EC)

This opinion is issued to

Asia Pacific Satellite communications Inc.

9FL, Lotte IT Castle 2-Dong, #550-1,
Gasam-dong, Geumcheon-gu,
Seoul, Korea 153-768

to state that the equipment known as

THURAYA XT-LITE

in our opinion, conforms (following an evaluation of its associated Technical Construction File and subject to any restrictions stated in the attached Annex) with the essential requirements of Annex IV of Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, in relation to the essential requirements of :

Article 3.1(a) LVD

Article 3.1(a) EMF

Article 3.1(b) EMC

Article 3.2 Radio Spectrum.

Details of the scope of this opinion, standards used, RF parameters of this equipment and other information necessary for the correct interpretation and application, including any remarks, restrictions or observations that are detailed in the attached Annex.

Signed:

Mark Briggs
Briggs, Mark MIET, CEng
on behalf of UL

Issue Date: 02 October 2014

Notified Body
Opinion No: AN14C10687-1

ANNEX

SCOPE OF OPINION

Article	✓/✗	Applied standard(s) (and version) or reference.
Article 3.1a (LVD):	✓	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011
Article 3.1a (EMF):	✓	EN 62311:2008, EN 50566:2013, EN 50360:2001/A1:2012
Article 3.1b (EMC)	✓	EN 301 489-1 V1.9.2, EN 301 489-20 V1.2.1 EN 55022:2010, EN 55024:2010
Article 3.2 (Radio Spectrum use)	✓	EN 301 681 V1.4.1, including assessment to ITU-R M.1480 2000-05
Article 3.3 a-f (Special Features)	-	Not applicable.

TECHNICAL CONSTRUCTION FILE DETAILS

Title:	Technical file consisted of individual documents as follows: Test reports (EMC, LVD, RF Exposure, Radio Spectrum); Detailed Photographs; DoC; Label Drawing; Block Diagram; Description of Device; Manual
Reference Number:	AN14C10687
Issue Date:	October 1, 2014
Contact Name:	MiSoh Kim, UL Korea (agent)

GENERAL PRODUCT DETAILS

Brand / Trade Name:	THURAYA
Model Number(s) / Type Designation:	XT-LITE
Build Version / Revision Level:	Front Board Rev 0.2, Main Board Rev
Software Name and Version:	Not stated
Operating Frequency	Tx : 1626.5 – 660.5 MHz, 31.25kHz channel separation RX : 1525-1559 MHz
Declared Output Power (dBm, e.i.r.p or e.r.p)	2W eirp with 3.4dBi antenna
Additional Information (modulation)	$\pi/4$ -QPSK, $\pi/4$ -CBPSK, $\pi/4$ -DBSK
Description of Use / Function:	Satellite mobile hand-held terminal
Manufacturers Company Name:	Asia Pacific Satellite communications Inc.
Manufacturers Address:	9FL, Lotte IT Castle 2-Dong, #550-1, Gasan-dong, Geumcheon-gu, Seoul, Korea 153-768

PRODUCT VARIANT DETAILS

Details of Product Variant(s) covered by this Notified Body Opinion:	None
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REMARKS, RESTRICTIONS AND OBSERVATIONS

Harmonized standards, as listed in OJ C 313, 12 September, 2014, were used to demonstrate compliance with each applicable article of the R&TTE Directive. All the standards referenced are current as of the date of this opinion but the safety evaluation did not include amendment A2:2013 to EN 60950 which will be required after July 2, 2016.

The manufacturer's declaration of conformity appropriately lists the standards used and the date and place of issue, signatories name (printed) and contact address.

Compliance with rf exposure requirements is based on a minimum device-to-user separation distance of 5mm for body-worn use, and held to head use. . This is consistent with the anticipated use of the device and the information provided in the User's Manual.

The product labelling contained the CE mark and the Notified Body number as required by the Directive. The Class 2 identifier (alert symbol) is not required as this device is considered a Class 1 device under sub-class 9 as described in the *Publication in accordance with Article 1(3) of Commission Decision 2000/299/EC (Version July 2014)*. As of the date this opinion was issued the publication was available for download from the [Europa website](#).

REVISION HISTORY

02/10/14: Original version (-1) released.

