



ກະຊວງໄປສະນີ, ໂທລະຄົມມະນາຄົມ ແລະ ການສື່ສານ

MINISTRY OF POSTS AND TELECOMMUNICATIONS

Satellite Communication in Lao PDR

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Department of Radio Frequency

Administrative
Division

RF Allocation and
Licensing division

RF Monitoring
Division

Satellite
Communication
Division

Main Tasks

- Satellite and Earth RF coordination
- Regulating operation of satellite communication businesses
- Licensing import-export Satellite communication equipment



2. Regulations

- ❖ New law on Radio Frequency
 - Objectives are to determine principles, regulations, and measurements regarding the RF management, monitoring and inspection.
 - There are 77 articles in the law.
- ❖ MPT issued the agreement on Satellite Communication No:2507/MPT, dated 22 Aug 2016. There are 27 articles in the agreement.



Drafting PM's Decree on Satellite communication

- Objectives are to determine principles, regulations, and measurements regarding the satellite communication, orbital slot, operation of satellite businesses.
- Currently, MPT have submitted this decree to ministry of justice for further revision, then MPT will submit to Government for approval.



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3. Right to Use of Orbital Slots

➤ 128.5°E

- LAOSAT-128.5E (128.5E): C, Ku
- LAOSAT-128.5E-A (128.5E): C, Ku
- LAOSAT-FSS-128.5E (128.5E): AP30B

➤ 126°E

- LSTAR-126°E (None Planned Band, BSS, FSS “Ku, C, X, Ka”)
- LSTAR-126E-30B (Planned Band, FSS “Ku, C”)

4. LAOSAT 1 (Satellite Application Introduction)

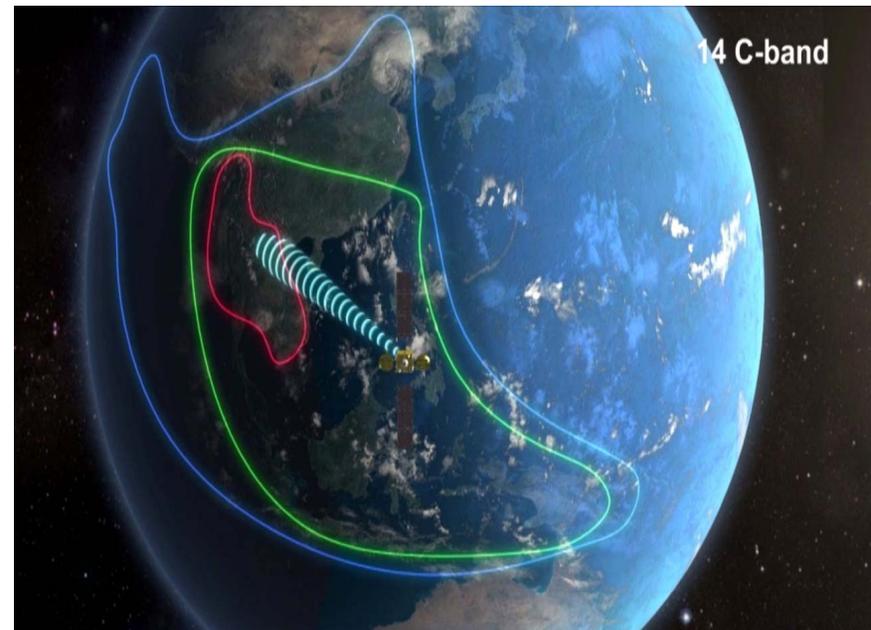


On 21 November 2015, LAOSAT-1 has been launched from Xichang Satellite Launch Center (XSLC).

LAOSAT1 Satellite Frequency

Frequency band		Polarization	Transponders
C Band	6485-6785MHz/3400-3700MHz	Both V&H	14(36M)
Ku Band	12.75-13GHz/10.7-10.95GHz	Both V&H	8(54M)

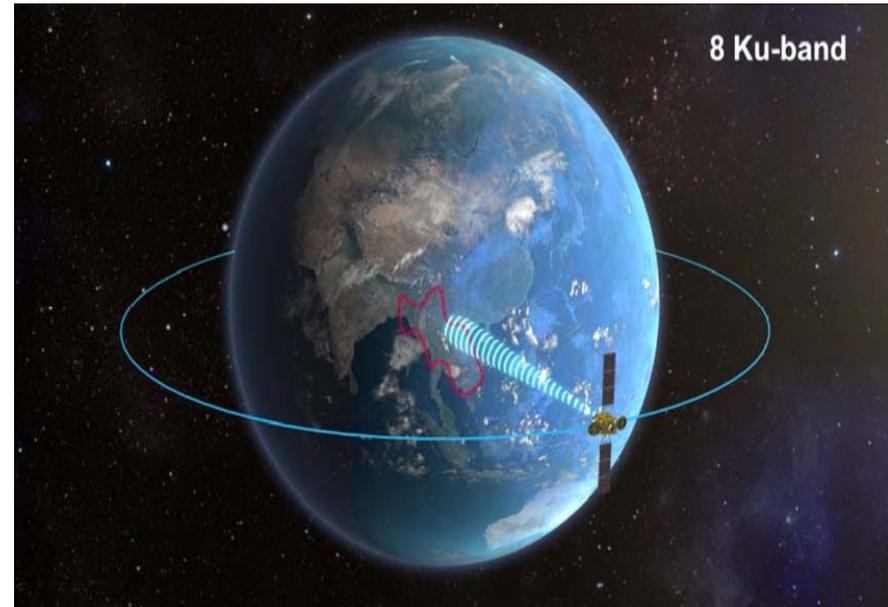
Coverage Area of C-band transponders



C-band of LAOSAT-1 covers Lao PDR and 15 countries in South East Asia.



Coverage Area of Ku-band transponders



Ku-band of LAOSAT-1 covers Lao PDR with beside countries.

LAOSAT1 Business Services:

1. Direct To Home (DTH) and Television Production Center (TVPC)



LAOSAT HD ສູນລວມຊ່ອງລາຍການຍອດນິຍົມ

ບໍລິສັດ ດາວທຽມລາວ ເອເຊຍ-ປາຊີຟິກ ຈຳກັດ
 Lao Asia Pacific Satellite Co., Ltd.

ໄຟຣ໌ໂອນໃໝ່ 130 ຊ່ອງ
 ຟຣີ 50 ຊ່ອງ

LAOSAT HD
 ໂທ 021 2282228

ສູນບໍລິການທົ່ວປະເທດ
 Service Center

ແຂວງ ສະຫວັນນະບູລີ Savannakhet Province	081 312 828	ແຂວງ ບໍລິຄະໂນ Borikone Province	051 212 888
ແຂວງ ສຸວະນະບູລີ Soukxoum Province	061 212 228	ແຂວງ ຈໍາປາສັກ Champasak Province	031 215 432

ຕິດຕໍ່ສຳນັກງານຂາຍ Contact us

ບໍລິການທົ່ວປະເທດ
 Call Center
 1855/ 021 228 228

ແຈກຢາ
 ສູນເຄື່ອງສົ່ງໂທລະສານ
 ສິດທິ - 31 ສັນຕາ 2017
 Tel: 1855 021 228 228





LAOSAT1 Business Services:

2. Very Small Aperture Terminal (VSAT) and Transponder Leasing.

Provide 70 VSAT of 2.4m antenna size and 4 sets Satellite Interface Terminal(SIT) of 4.5 m antenna size.



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LAOSAT1 Business Services:

3. National Emergency Communication Network (NECN)

Provide 1 set for Ku band hub and 6 sets terminal (3 vehicles and 3 portable)





5. Challenges

- Human resource Development.
- Knowledge limited.
- Investment budget.
- High Competition.

Thank you for your attention

