



Maritime VSAT Services

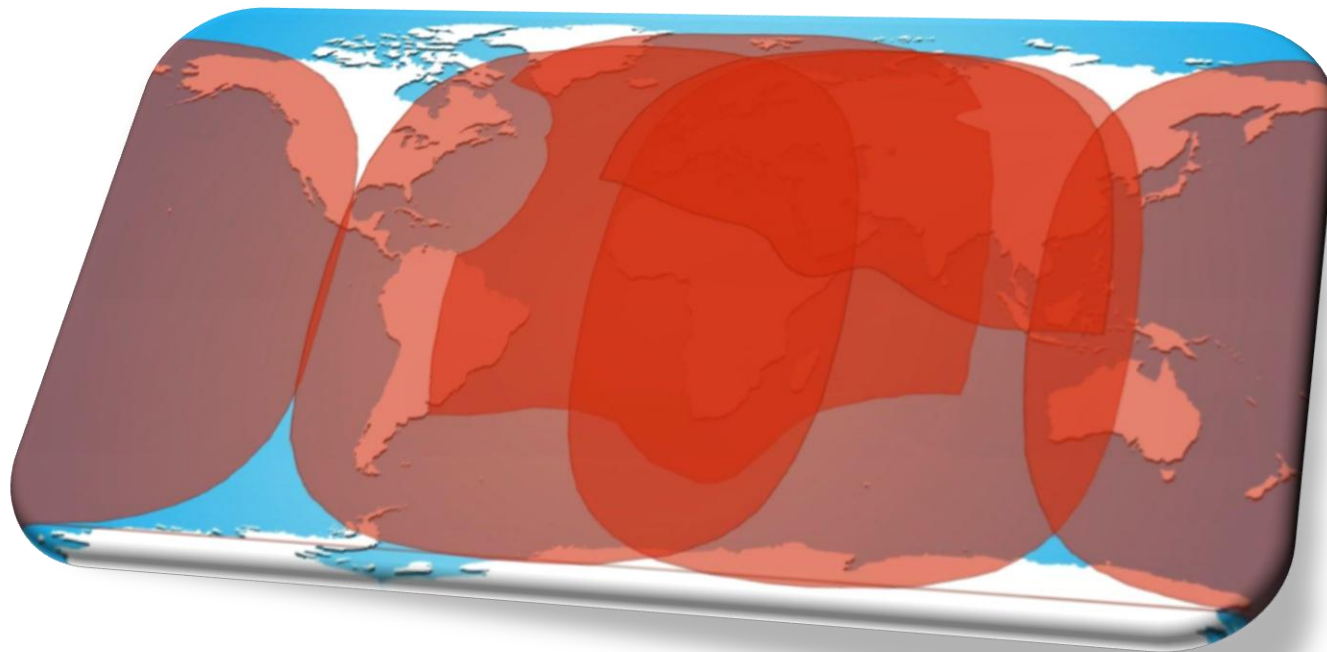
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VSAT C-band

GLOBAL Coverage



Price List

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna
512	256	51	26	77	\$780
512	256	96	32	128	\$1.300
512	256	128	64	192	\$1.950
1024	512	96	32	128	\$1.356
1024	512	256	128	384	\$4.069
1024	512	512	256	768	\$8.140

Equipment needed

Antenna size (minimum)	Manufacturer	Min BUC size
2.2 meter	Orbit	40 Watt
2.4 meter	Orbit/SeaTel/Intellian/KNS	25 Watt



VSAT Ku-band

GLOBAL Coverage



Price List

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna
512	256	32	32	64	\$660
512	256	96	32	128	\$1.314
512	256	128	64	192	\$1.974
512	256	256	128	384	\$3.948
768	512	32	32	64	\$595
768	512	96	32	128	\$1.190
768	512	128	64	192	\$1.785
768	512	256	128	384	\$3.570
768	512	256	256	512	\$4.765

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt



VSAT Ku-band

NEAR GLOBAL coverage (No pacific)



Price List

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna
512	256	32	32	64	\$528
512	256	96	32	128	\$1.050
512	256	128	64	192	\$1.578
512	256	256	128	384	\$3.156
768	512	32	32	64	\$595
768	512	96	32	128	\$1.190
768	512	128	64	192	\$1.785
768	512	256	128	384	\$3.570
768	512	256	256	512	\$4.765

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt



VSAT Ku-band

REGIONAL Coverage

List of Available Satellites for single or dual Satellite Service

Coverage Area	Satellite	Beam	Min EIRP 60 cm antenna	Min EIRP 80 cm antenna	Min EIRP 1 m antenna
Europe-Med	E3d	Europe A/B	48 dBW	47 dBW	46 dBW
Europe	T11N (EVO)	Eu/Eu	49 dBW	47 dBW	46 dBW
Europe North	Thor 10-02	S1	51 dBW	49 dBW	48 dBW
Middle East	NSS12	ME	50 dBW	48 dBW	47 dBW
Europe-Africa	IS-14	Europe Africa	NA	47 dBW (changing to QPSK 0.533)	46 dBW
Africa	Yamal-402	Southern Beam	NA	46.5 dBW (only EVO)	46 dBW
Atlantic	T14R*	AOR	NA	46 dBW (changing to QPSK 0.533)	46 dBW
Atlantic	SES6*	AOR (EA + WA)	NA	46 dBW (changing to QPSK 0.533)	46 dBW
Africa-west	T11n	Eu/Afr	NA (TBD)	47 dBW	46 dBW
USA-GoM	T11n	Eu/Us	50 dBW (only EVO)	48 dBW (EVO)	47 dBW
GoM – Car	AMC21	Caribbean	50 dBW (only EVO)	48 dBW	47 dBW
Caribbean and South America	T12	Pan American	NA	49 dBW	48 dBW
America South	Ses4	SC/SC	NA (TBD)	48 dBW (only EVO)	47 dBW
Americas	SatMex6	TBD	TBD	TBD	TBD

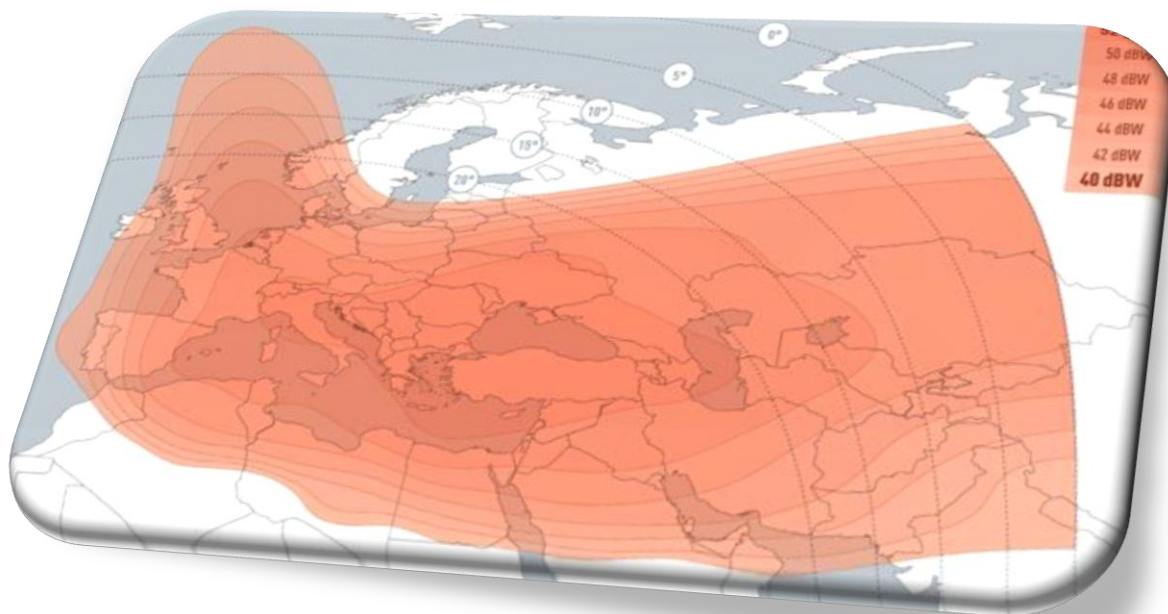
* = T14R will be replaced by SES6 in 2014

VSAT Ku-band



REGIONAL Coverage

Eutelsat E3d
located at 3° East



Price List for E3d

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$300	\$376	\$449
512	128	128	32	160	\$750	\$937	\$1.123
1024	256	102	26	128	\$600	\$750	\$899
1024	256	256	64	320	\$1.500	\$1.876	\$2.245
2048	512	205	51	256	\$1.200	\$1.500	n/a
2048	512	512	128	640	\$3.000	\$3.750	n/a

Equipment needed

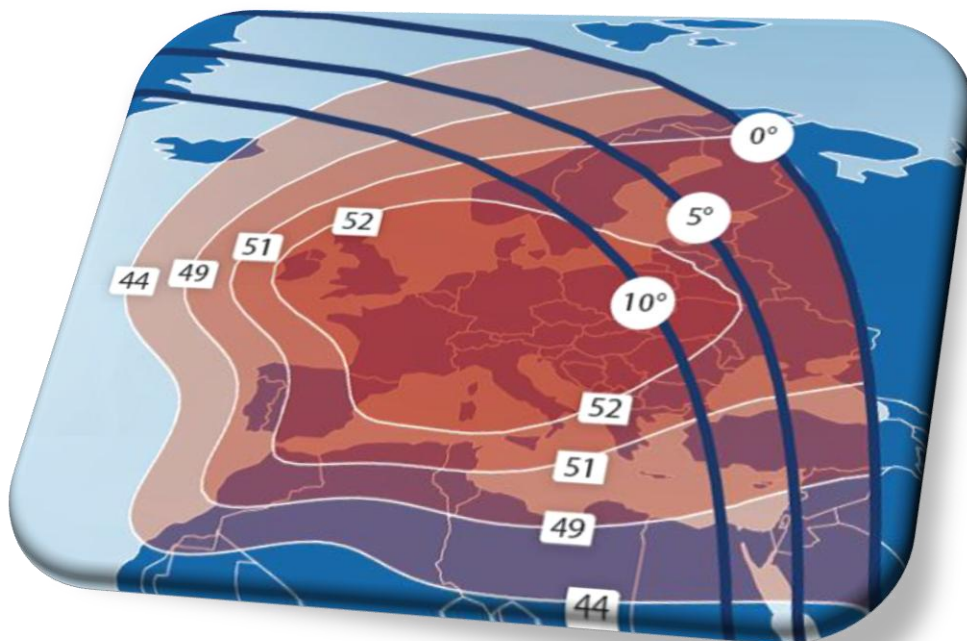
Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

VSAT Ku-band



Regional Coverage

Telesat T11n Eu/Eu
located at 37,6° West



Price list for T11n Eu

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$300	\$376	\$449
512	128	128	32	160	\$750	\$937	\$1.123
1024	256	102	26	128	\$600	\$750	\$899
1024	256	256	64	320	\$1.500	\$1.876	\$2.245
2048	512	205	51	256	\$1.200	\$1.500	n/a
2048	512	512	128	640	\$3.000	\$3.750	n/a

Equipment needed

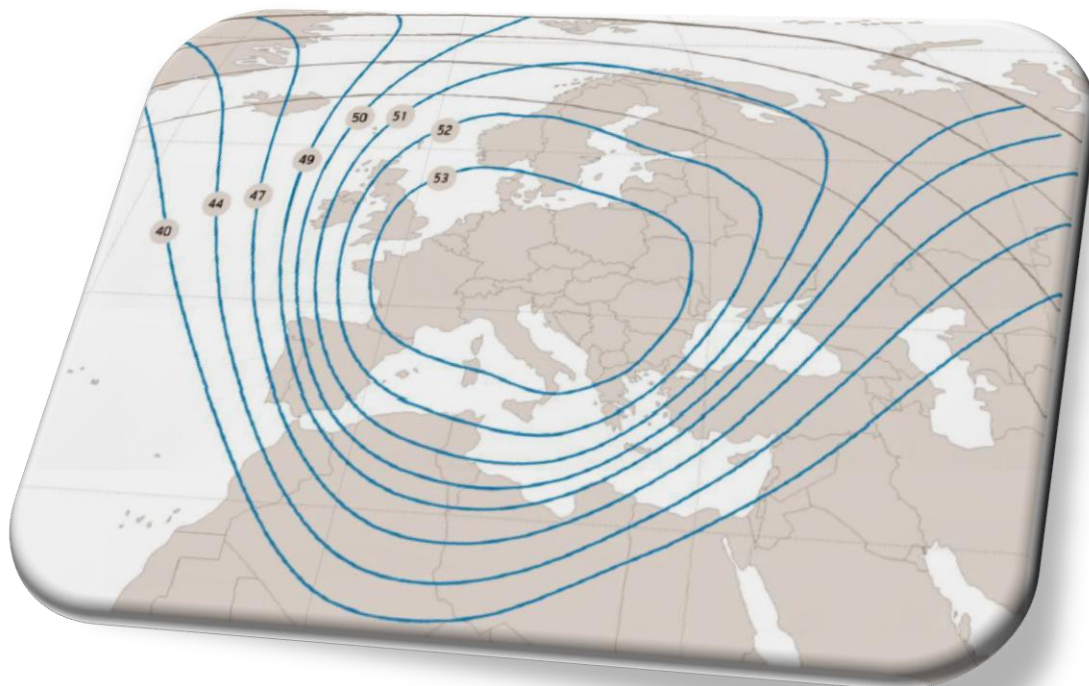
Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

VSAT Ku-band



Regional Coverage

Telenor Thor1002
Spot 1 located at 1 · West



Price list for Thor1002 – Spot 1

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$450	\$563	\$676
512	128	128	32	160	\$1.126	\$1.406	\$1.687
1024	256	102	26	128	\$900	\$1.126	\$1.350
1024	256	256	64	320	\$2.250	\$2.813	\$3.376
2048	512	205	51	256	\$1.800	\$2.250	\$2.700
2048	512	512	128	640	\$4.500	\$5.626	\$6.750

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

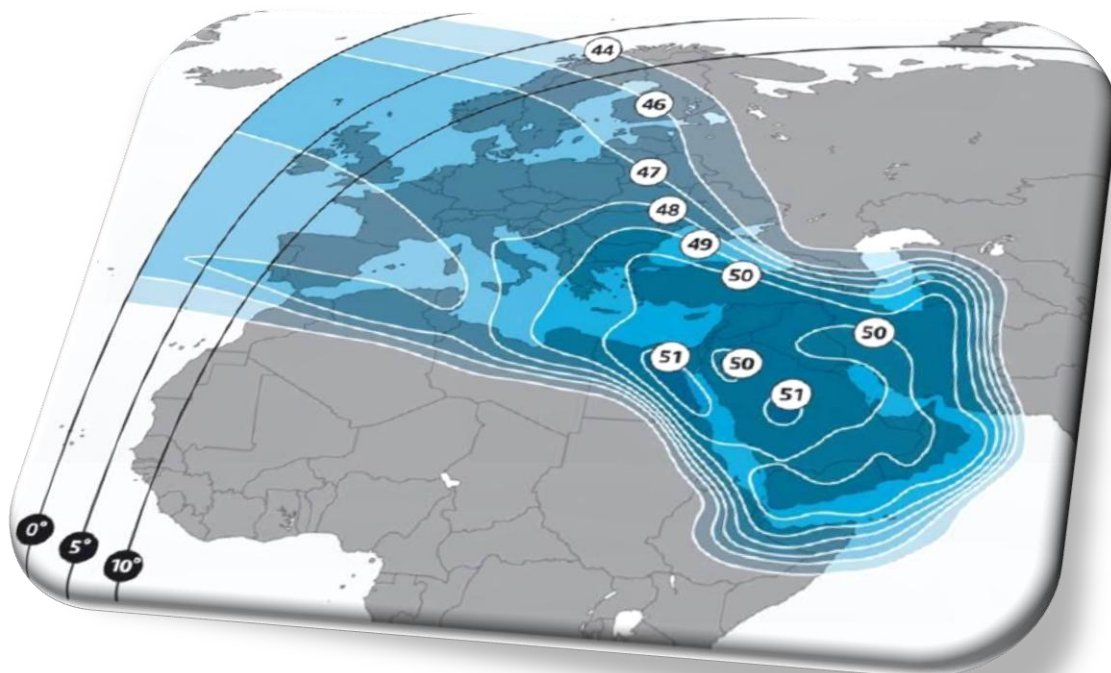
VSAT Ku-band



Regional Coverage

SES NSS12 ME

located at 57° East



Price list for NSS12ME

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$300	\$376	\$449
512	128	128	32	160	\$750	\$937	\$1.123
1024	256	102	26	128	\$600	\$750	\$899
1024	256	256	64	320	\$1.500	\$1.876	\$2.245
2048	512	205	51	256	\$1.200	\$1.500	n/a
2048	512	512	128	640	\$3.000	\$3.750	n/a

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

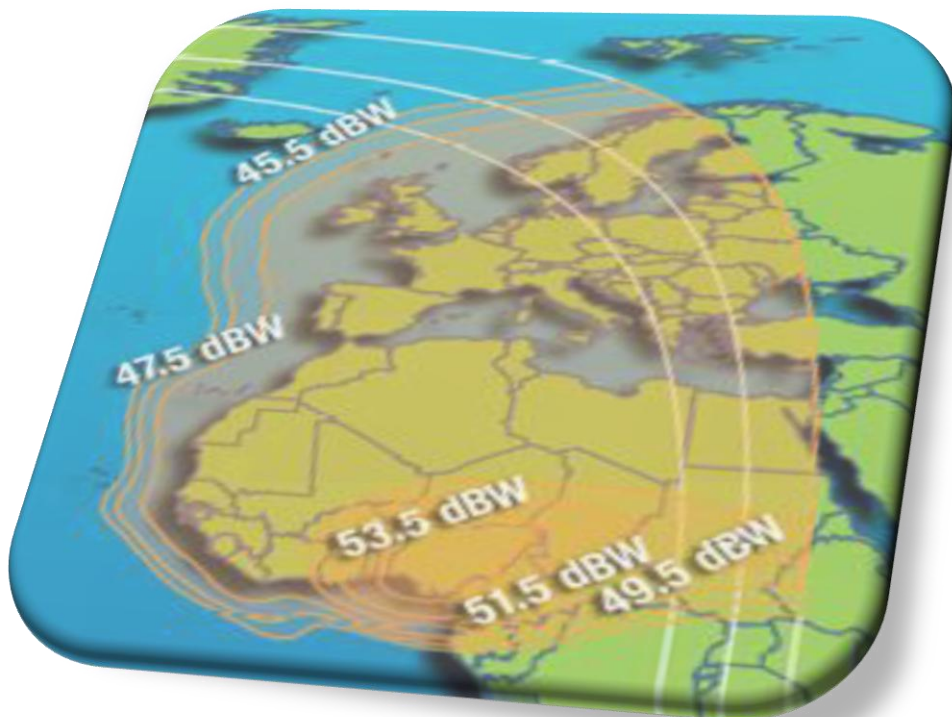
VSAT Ku-band



Regional Coverage

Intelsat IS14 Europe/Africa

located at 45° West



Price list for IS14 Europe/Africa

This Satellite is only offered as part of global or regional coverage, for instance to connect between Europe and West Africa

Equipment needed

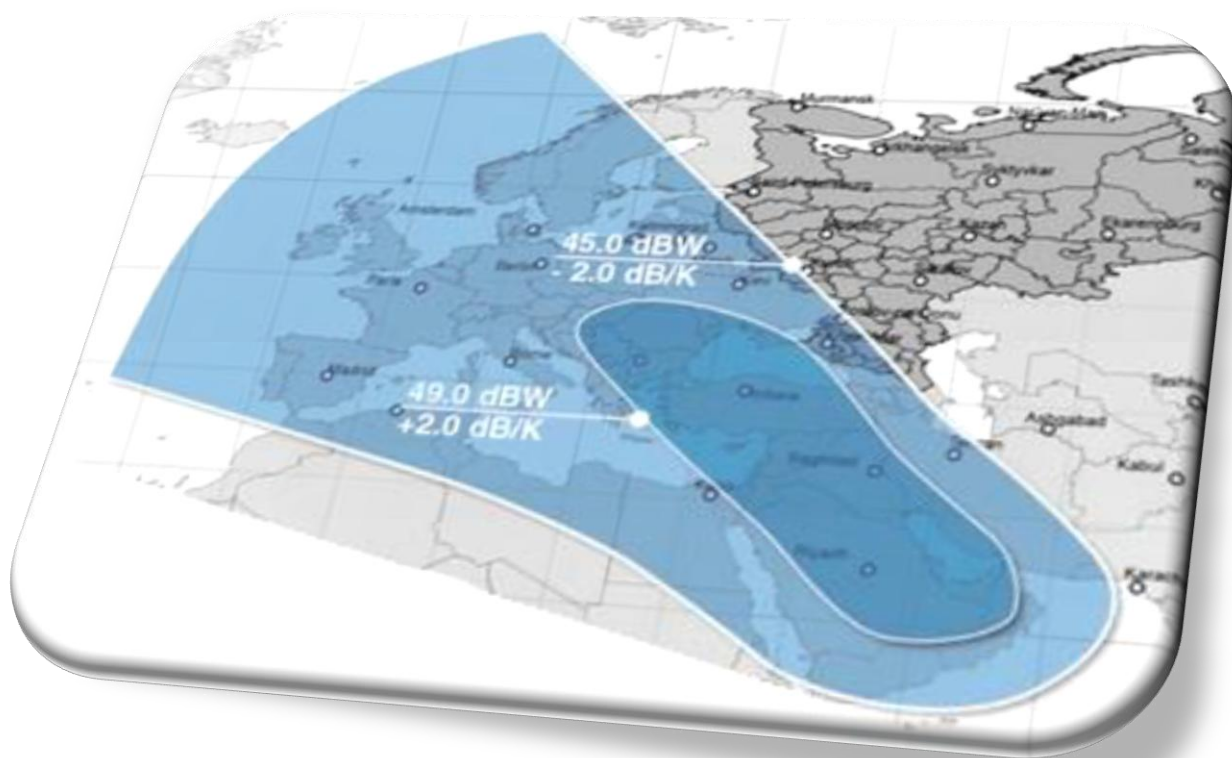
Antenna size (minimum)	Manufacturer	LNB	Min BUC size
80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

VSAT Ku-band



Regional Coverage

Gazprom Yamal402 Southern located at 55° East



Price list for Yamal402

Southern Available upon request

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

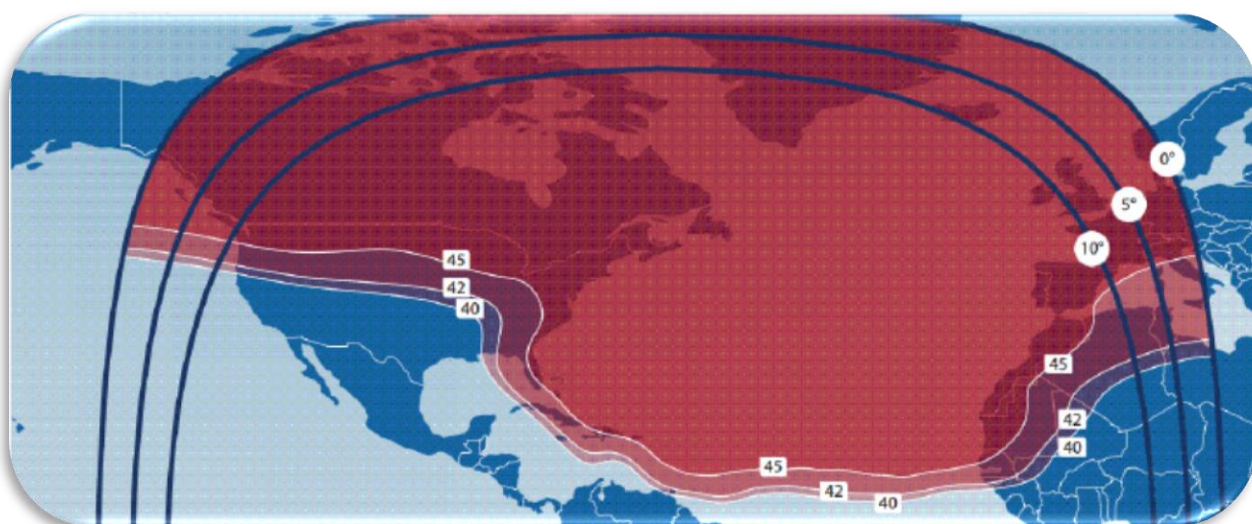


VSAT Ku-band

Regional Coverage

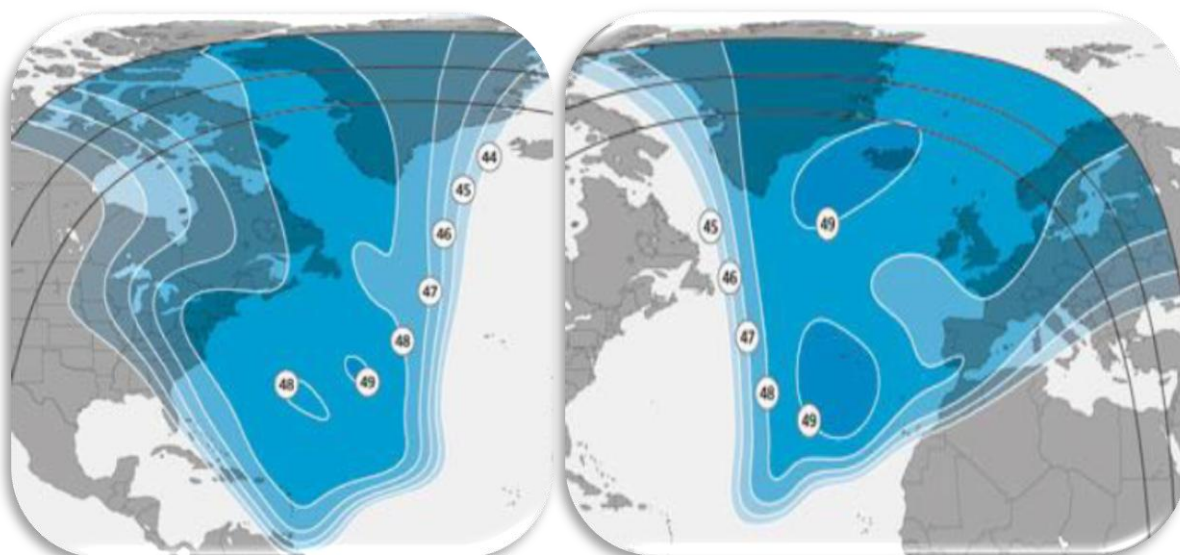
Gazprom Yamal402 Southern

located at 55° East



SES SES6 West & East Atlantic

located at 40,5° West



*T14R will be
replaced by SES6 in
2014*

Price list for T14R Atlantic and/or SES6 West & East Atlantic

At this moment these Satellites are only offered either as part of Global Ku-band coverage or for trans-Atlantic crossing

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

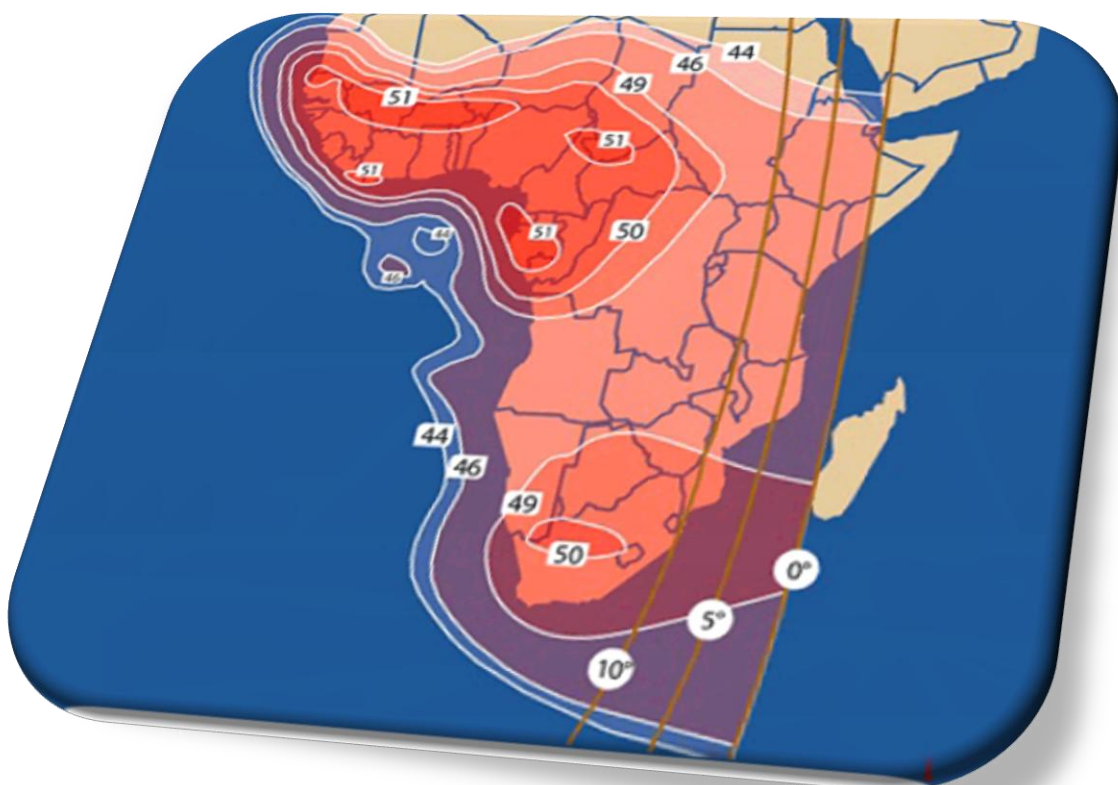


VSAT Ku-band

Regional Coverage

Telesat T11n Eu/Afr

located at 37,6 · West



Price list for T11n Africa West

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna
512	128	51	13	64	\$300	\$376
512	128	128	32	160	\$750	\$937
1024	256	102	26	128	\$600	\$750
1024	256	256	64	320	\$1.500	\$1.876
2048	512	205	51	256	\$1.200	\$1.500
2048	512	512	128	640	\$3.000	\$3.750

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

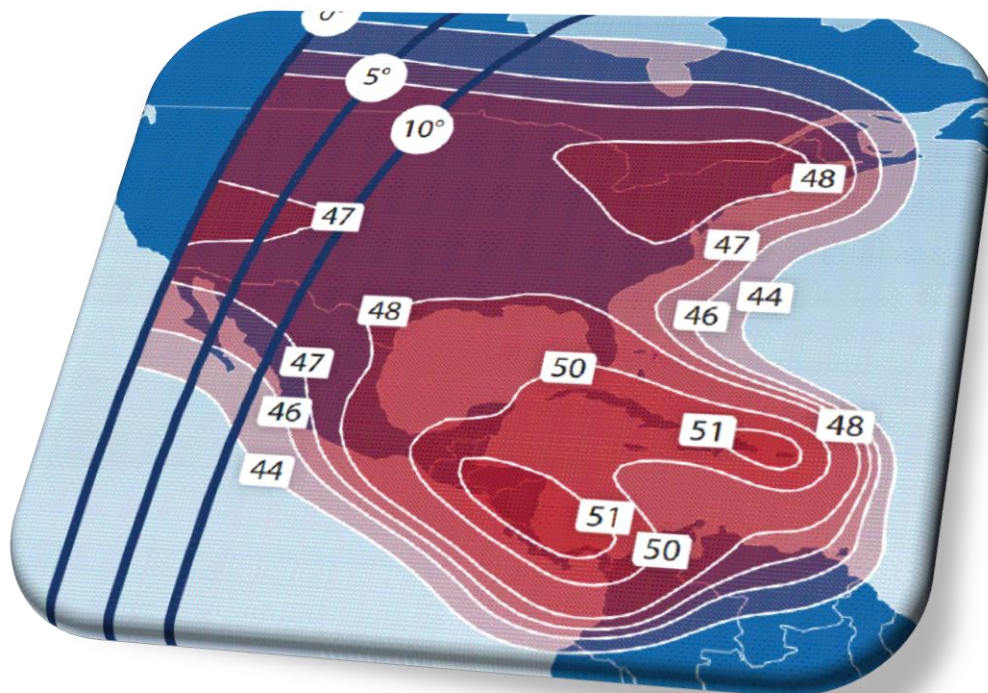


VSAT Ku-band

Regional Coverage

Telesat T11n Eu/US

located at 37,6 ° West



Price list for T11n USA GoM

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$300	\$376	\$449
512	128	128	32	160	\$750	\$937	\$1.123
1024	256	102	26	128	\$600	\$750	\$899
1024	256	256	64	320	\$1.500	\$1.876	\$2.245
2048	512	205	51	256	\$1.200	\$1.500	n/a
2048	512	512	128	640	\$3.000	\$3.750	n/a

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

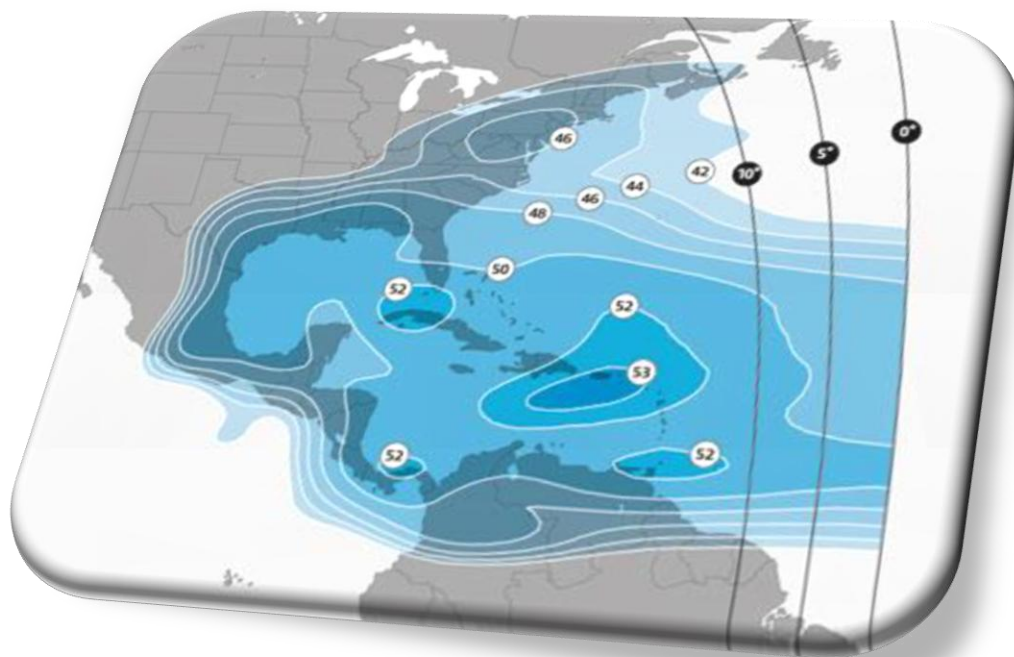


VSAT Ku-band

Regional Coverage

SES AMC21

located at 125° West



Price list for AMC21

512	128	51	13	64	\$506	\$632	\$760
512	128	128	32	160	\$1.266	\$1.582	\$1.898
1024	256	102	26	128	\$1.013	\$1.266	\$1.519
1024	256	256	64	320	\$2.531	\$3.164	\$3.797
2048	512	205	51	256	n/a	n/a	n/a
2048	512	512	128	640	n/a	n/a	n/a

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

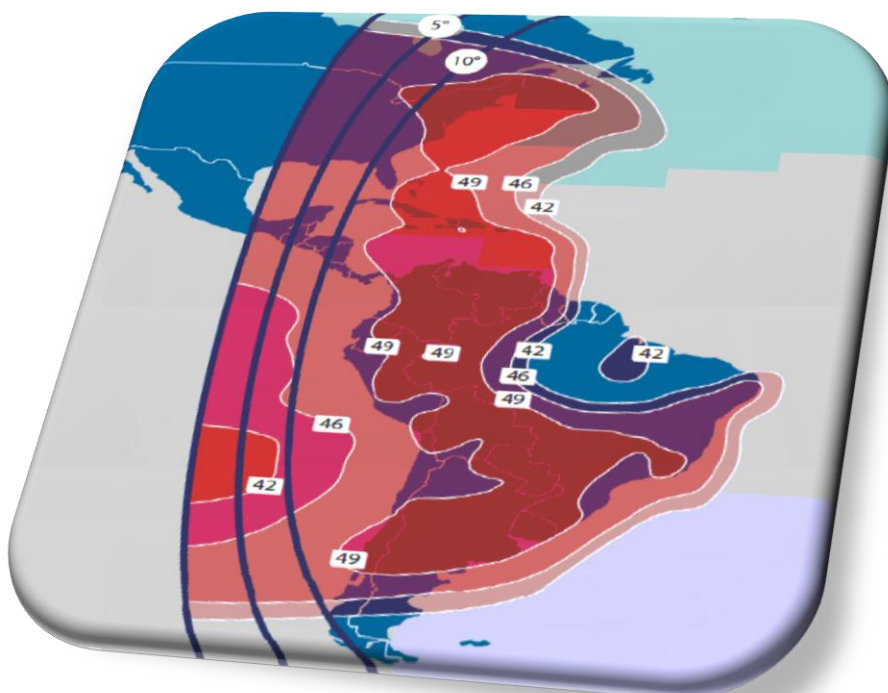


VSAT Ku-band

Regional Coverage

Telesat T12

PanAmerican located at 15° West



Price list for PanAmerican

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna	Monthly fee per vessel 80cm antenna	Monthly fee per vessel 60cm antenna
512	128	51	13	64	\$300	\$376	\$449
512	128	128	32	160	\$750	\$937	\$1.123
1024	256	102	26	128	\$600	\$750	\$899
1024	256	256	64	320	\$1.500	\$1.876	\$2.245
2048	512	205	51	256	\$1.200	\$1.500	n/a
2048	512	512	128	640	\$3.000	\$3.750	n/a

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
60cm, 80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

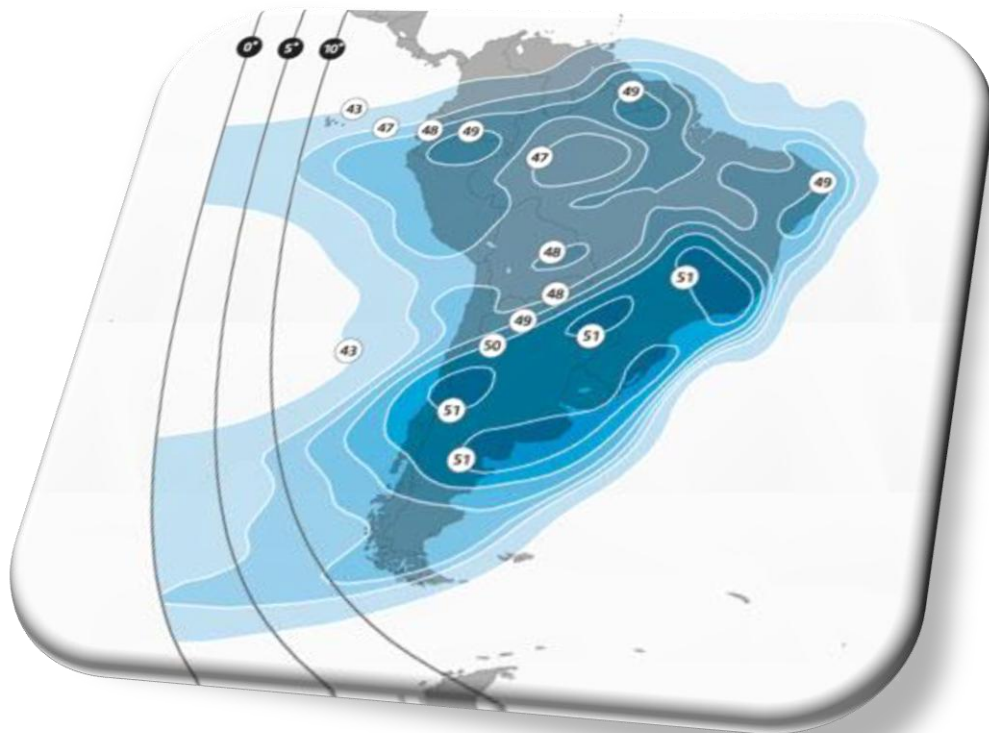


VSAT Ku-band

Regional Coverage

SES SES4 Southern Cone

located at 22° West



Price list for SES4 Southern Cone

Available upon request

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
80cm or 1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt

60 cm under evaluation



VSAT Ku-band

Regional Coverage

SatMex SatMex6 Ku2

located at 113° West



Price list for SatMex6 Ku2

MIR Down kbps	MIR Up kbps	CIR Down kbps	CIR Up kbps	CIR Total Kbps	Monthly fee per vessel 1m antenna
512	128	51	13	64	\$563
512	128	128	32	160	\$1.406
1024	256	102	26	128	\$1.126
1024	256	256	64	320	\$2.813
2048	512	205	51	256	\$2.250
2048	512	512	128	640	\$5.626

Equipment needed

Antenna size (minimum)	Manufacturer	LNB	Min BUC size
1 meter	Orbit/SeaTel/Intellian/KNS	Global	8 Watt



NOTES

Notes with respect to Airtime pricing

1. Prices & Bandwidth are always subject to availability at the time of order.
2. Pricing is to retail and does not include discounts or promotions.
3. Pricing is exclusive of VAT and/or any other local taxes
4. Coverage areas shown are provided by Satellite operators, Universat has no liability for any errors. Coverage might change over time as we change Satellites used in order to provide best possible coverage to our customers.
5. Pricing is based on a contract term of 12 months or longer, Contract period will start for upon commissioning of the Antenna on-board the vessel / change-over date.
6. Shorter contract-terms are possible, pricing dependant on duration and/or region
7. Other bandwidth scenarios available – pricing upon request
8. For bandwidth upgrades please allow a tbd notice period

Start up and Contract Terms

- a. Price and conditions are upon pending signature of a contract.
- b. Monthly fee Payments: 3 month upfront
- c. Universat reserves the rights to require a Deposit or a Bank guarantee before the airtime commissioning.

Abbreviations

MIR = Maximum Information Rate

CIR = Committed Information Rate

Down = From Land to Vessel

Up = From Vessel to Land