

# ARABSAT 5C

## 20°E

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Technical Users Guide

November 2011

Version 1.0



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## Sales & Customer Service

### Riyadh Office :

(Saudi Arabia, Levant, East Africa & Yemen)  
Wael M. Al-Buti, Regional Manager  
Tel: + 966/(0)1 281-9694  
Fax:+ 966/(0)1 483-0940  
eMail: Riyadh-office@arabsat.com  
Diplomatic Quarter  
P.O. Box 1038, Riyadh 11431, Saudi Arabia

### Dubai Office:

(Arabian Gulf (excl. Saudi Arabia) , Iran & Asia)  
Zaid Al-Khudhairi, Regional Manager  
Tel: + 971/(0)4 367-1113  
Fax: +971/(0)4 368-8102  
eMail: Dubai-office@arabsat.com  
Dubai Media City  
Al Thuraya Tower, Office N° 1301  
P.O. Box 502006, Dubai, UAE

## Sales & Customer Service

### Cairo Office:

(Egypt , Sudan & Libya)  
Mohamed Hafez, Regional Manager  
Tel: +20/(0)2 38555993 / 994  
Fax: +20/(0)2 38555995  
eMail: Cairo-office@arabsat.com  
Media Free Zone , Media City  
6<sup>th</sup> October City , Egypt

### Paris Office:

(Europe, North Africa (excl. Egypt & Libya) , Americas)  
Bertrand PERSEHAYE  
Senior Advisor, Sales & Regional Manager  
eMail: Paris-office@arabsat.com

## General Information

### ARABSAT Headquarters

P.O. Box 1038  
Diplomatic Quarter  
Riyadh 11431  
Saudi Arabia  
Tel: + 966/(0)1 482-0000  
Fax: + 966/(0)1 488-7999  
eMail: info@arabsat.com

## Engineering Services Center (ESC)

### ARABSAT Headquarters

P.O. Box 1038  
Diplomatic Quarter  
Riyadh 11431  
Saudi Arabia  
Head of ESC  
Tel: + 966/(0)1 281-9651  
Fax: + 966/(0)1 483-0941  
eMail: esc@arabsat.com

## Technical Support (24/7)

### ARABSAT Operations Center (AOC)

Tel: + 966/(0)1 404-2019  
Fax: + 966/(0)1 402-4169  
eMail: operation@arabsat.com

### ARABSAT Primary Control Facility (PCF)

Dirab, Saudi Arabia  
Tel: + 966/(0)1 403-0392  
Fax: + 966/(0)1 403-3072

### ARABSAT Secondary Control Facility (SCF)

Tunis, Tunisia  
Tel: + 216/(0)71 645-333  
Fax:+ 216/(0)71 645-346



# ARABSAT 5C

## General Information

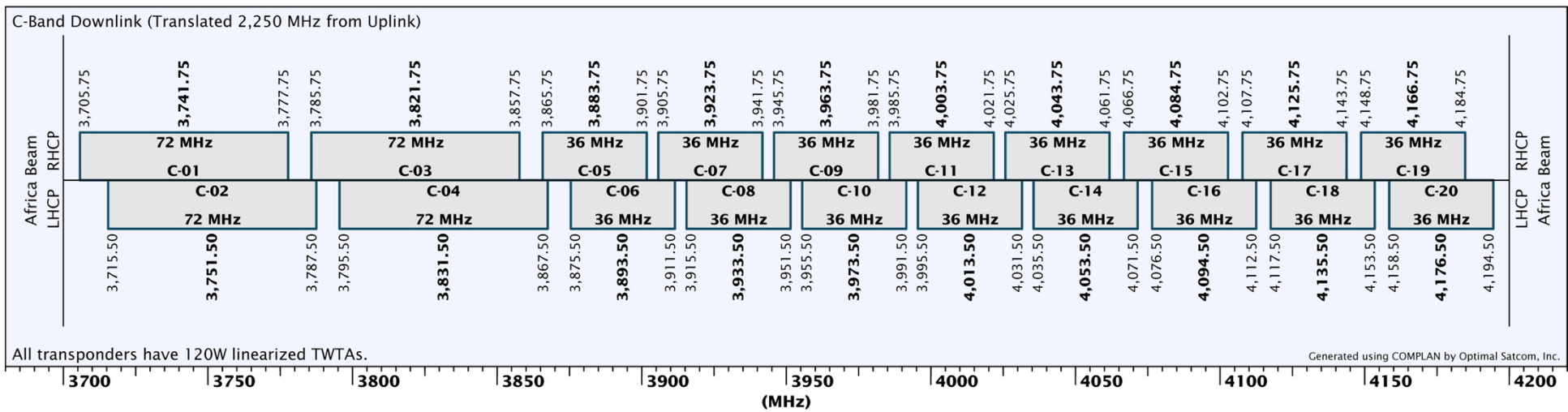
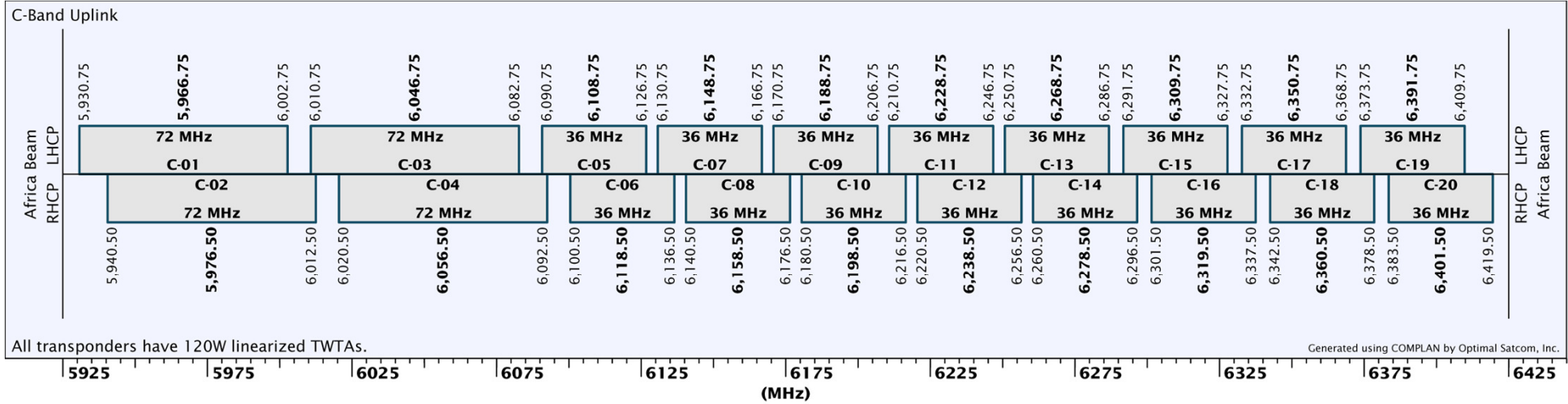
<b>Orbit:</b>	<b>20°E Geostationary</b>
<b>Station Keeping:</b>	<b><math>\pm 0.05^\circ</math> latitude, <math>\pm 0.05^\circ</math> longitude</b>
<b>Satellite Type:</b>	<b>Astrium Eurostar 3000</b>
<b>Launch Mass:</b>	<b>4,700 kg</b>
<b>Launch Date:</b>	<b>September 2011</b>
<b>In-Service Date:</b>	<b>October 2011</b>
<b>Expected Operational Life:</b>	<b>15 Years</b>
<b>Payload Power:</b>	<b>10 kW (End of Life)</b>
<b>Transponders:</b>	<b>20 C-Band, 6 Extended C-Band, 15 Ka-Band</b>
<b>Antennas and Coverages:</b>	<b>One C-Band/Extended C-Band 2.4 m Deformed Reflector Antenna With Coverage Over Africa</b>

A stylized globe graphic composed of several overlapping, curved lines in shades of blue and grey, creating a sense of motion and global connectivity. The lines are thick and have a slight gradient, giving the globe a three-dimensional appearance.

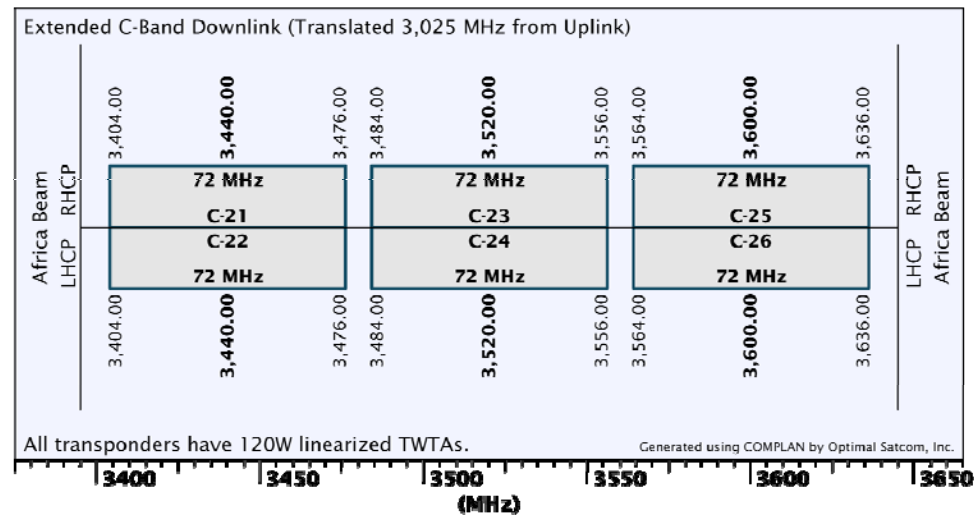
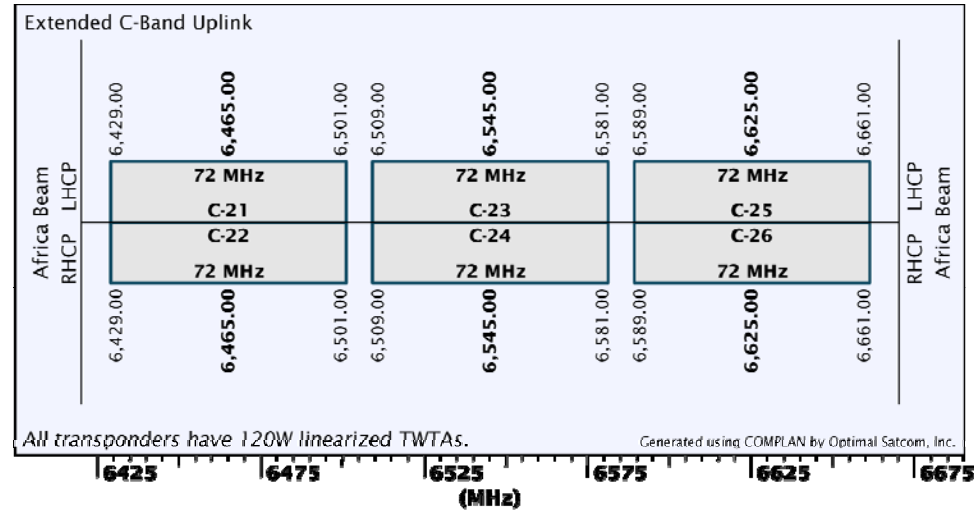
# ARABSAT 5C C-Band and Extended C-Band

# Frequency Plan C-Band

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# Frequency Plan Extended C-Band

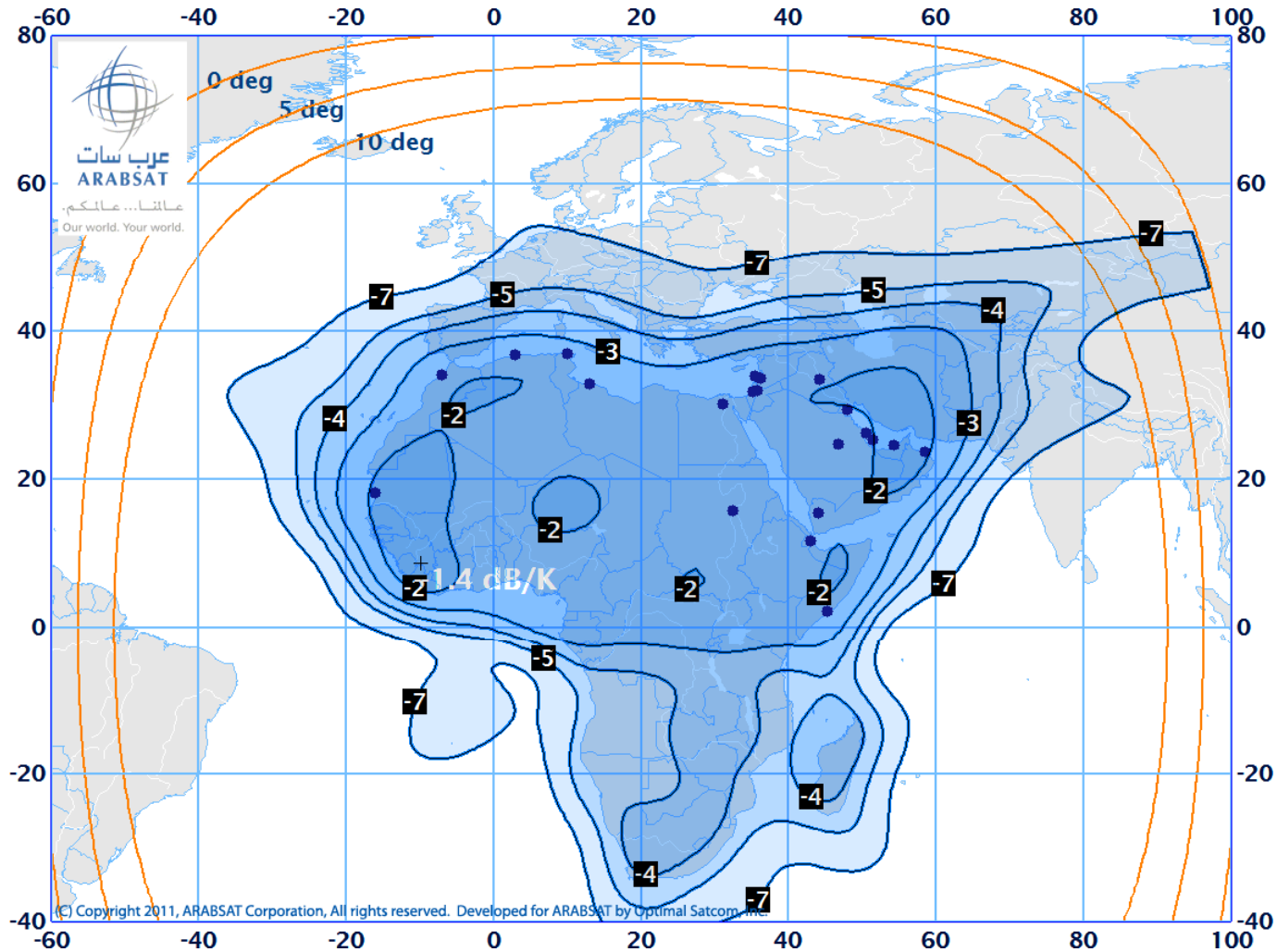


A stylized globe graphic composed of several overlapping, curved lines in shades of blue and grey, creating a sense of motion and global connectivity. The lines are thick and have a slight gradient, giving the globe a three-dimensional appearance.

# ARABSAT 5C Coverage Maps

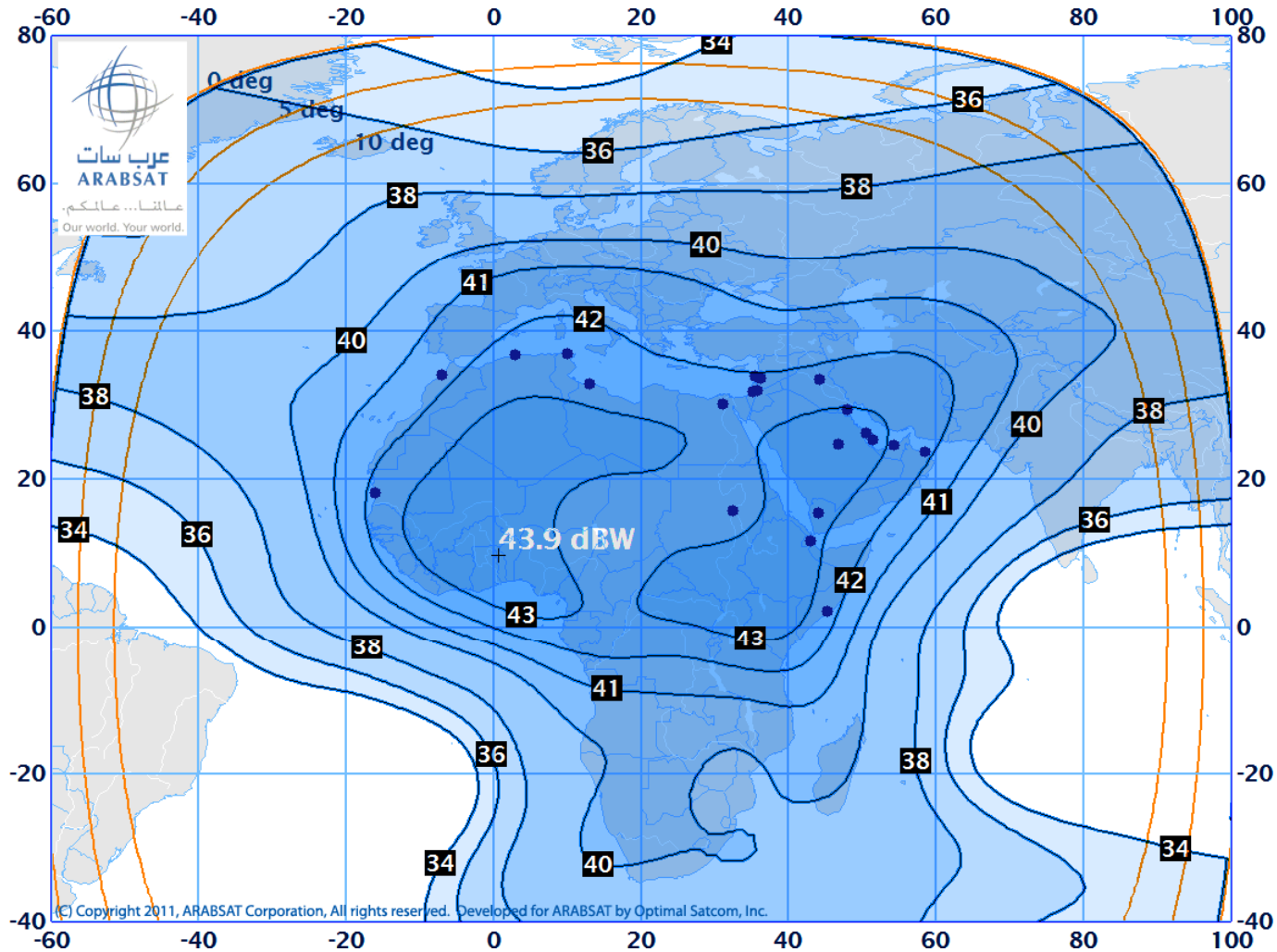


# C-Band Typical G/T (dB/K)

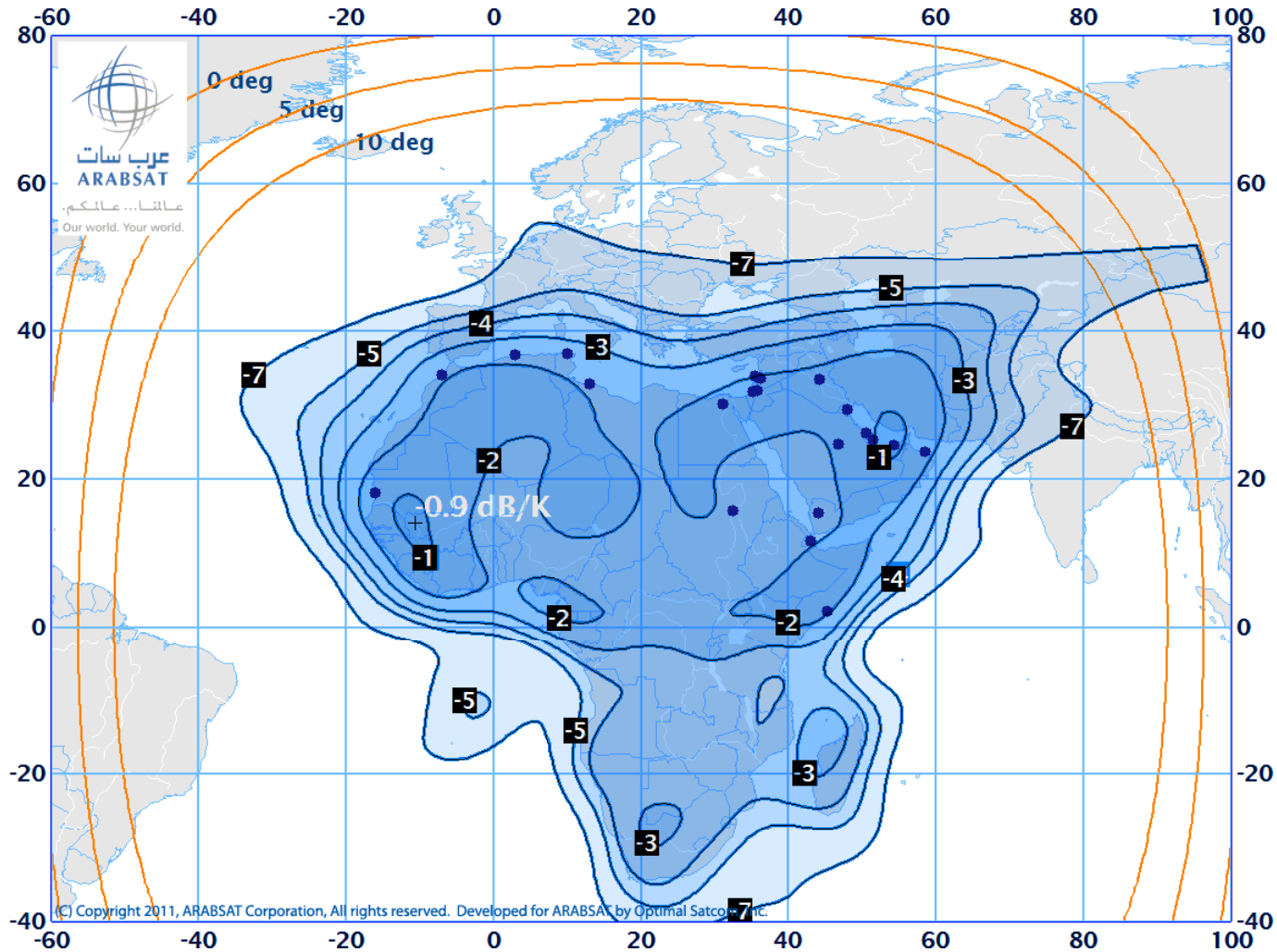


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# C-Band Typical EIRP (dBW)



# Extended C-Band Typical G/T (dB/K)



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# Extended C-Band Typical EIRP (dBW)

