

DVB-S2 MUX - Asian distribution

Change of carrier parameters

Special Notice 2019/03 v1

2019-07

1 Introduction

Eurovision Services operate a DVB-S2 36 MHz multiplexer on transponder C02V (downlink central frequency 3,700 MHz) of the AsiaSat-5, located at 100.5° East.

Eurovision Services is transferring this multiplexer and all its associated services from transponder C02V to transponder C06V, with downlink central frequency 3,860 MHz.

AsiaSat-5 C06V transponder has same bandwidth (36 MHz), same polarization (Vertical Downlink) and the multiplexer has the same modulation parameters and configuration (see section 2 for the C06V carrier details).

Eurovision Services will provide a dual illumination period of two months, allowing a smooth transfer for all the reception points (see section 3 for the dual illumination period details).

The aim of this document is to advise the broadcasters to be prepared for the reception of Eurovision Services from the new carrier.

2 Carrier parameters

Eurovision Services DVB-S2 mux is currently operated with the following configuration:

AsiaSat-5 tpx C2V, active until 16 September 2019 23:59 GMT	
Orbital Position [degrees East]	100.5
Downlink frequency [MHz]	3,700.0
Transponder Bandwidth [MHz]	36
Downlink Polarisation	Linear Vertical
ASI interface bitrate [Mbps]	65.325
Modulation	DVB-S2 8PSK
FEC (BCH+LDPC)	3/4
Pilot	ON
Frame	Normal
Roll-off [%]	20
Symbol Rate [MSps]	30.0
Occupied Bandwidth [MHz]	36.0

The configuration of the new carrier on AsiaSat-5 transponder C06V is the following:

AsiaSat-5 tpx C6V, active since 17 July 2019 00:00 GMT	
Orbital Position [degrees East]	100.5
Downlink frequency [MHz]	3,860.0
Transponder Bandwidth [MHz]	36
Downlink Polarisation	Linear Vertical
ASI interface bitrate [Mbps]	65.325
Modulation	DVB-S2 8PSK
FEC (BCH+LDPC)	3/4
Pilot	ON
Frame	Normal
Roll-off [%]	20
Symbol Rate [MSps]	30.0
Occupied Bandwidth [MHz]	36.0

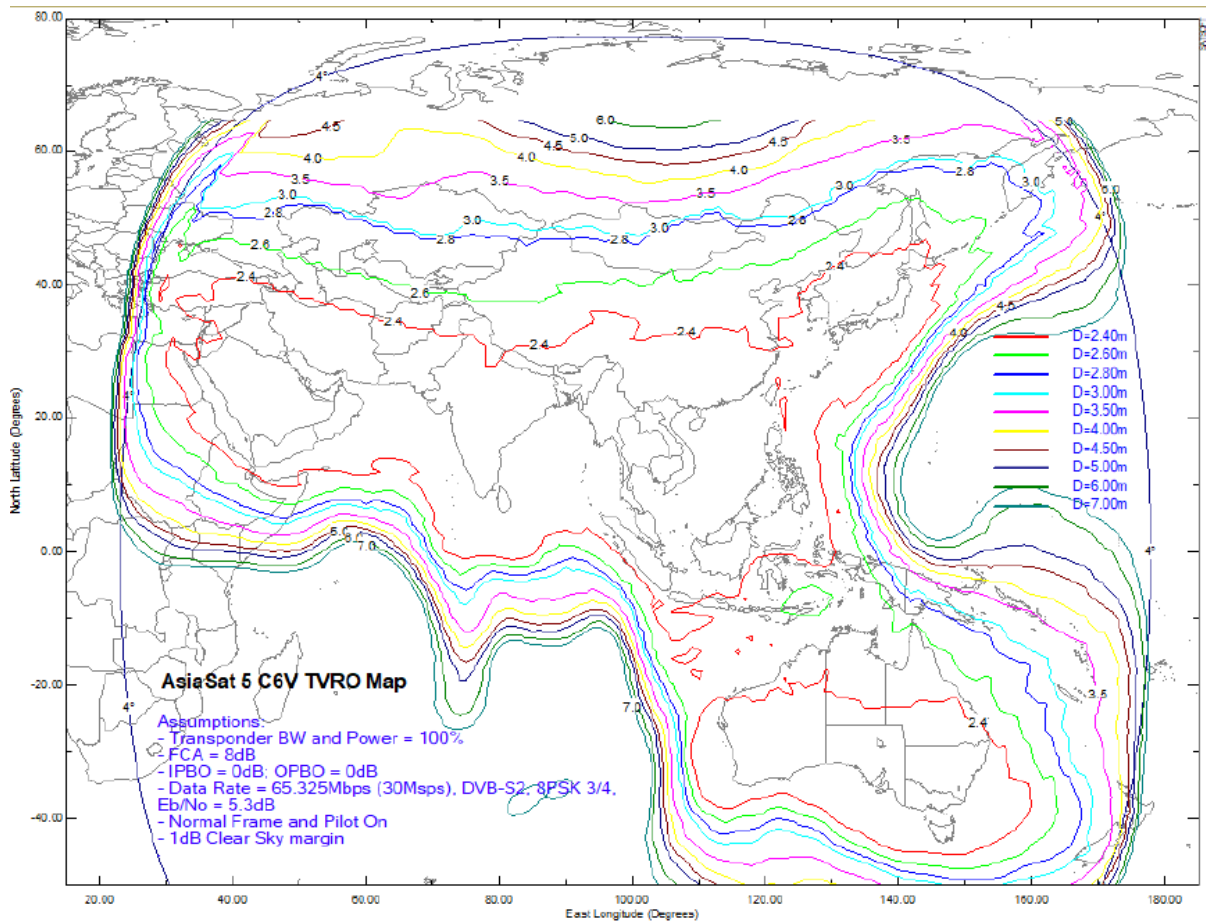
3 Dual illumination period

Eurovision services will provide a dual illumination period of two months, allowing a smooth transfer for all the reception points. The dual illumination period started on 17 July 2019 at 00:00 GMT, and the migration is scheduled to be completed by 16 September 2019 at 23:59 GMT. During this period, the DVB-S2 multiplexer will be available on both transponders C2V and C6V.

From 17 July, all new requests will be booked on the new multiplexer on transponder C06V.

4 Recommended reception dish size

The map below shows the minimum reception dish size recommended to receive the DVB-S2 mux from transponder C6V:



5 Contacts

Please report any technical issue with the reception of the new carrier to:

EVC Geneva 24/7

Tel: +41 22 717 2790

ES Satellite Operations Manager

Claudio Fanciullacci

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