

## **4. EARTH STATION COORDINATION DATA**

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours. The coordination contours include all the area within this route as well as all of the area seaward of this route within 200 km of the baseline of the United States or 200 km from any fixed service offshore installations.

Date: 12/09/2010  
Job Number: 101209SKJTEL01 rev of 041008SKJTEL01

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**Administrative Information**

Status ENGINEER PROPOSAL  
Call Sign  
Licensee Code TELESV  
Licensee Name Vizada Satellite Inc -ESV In-Motion

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**Site Information U.S.A. WEST COAST**

Venue Name  
Latitude (NAD 83) SEE ATTACHED TABLE AND MAP  
Longitude (NAD 83) SEE ATTACHED TABLE AND MAP  
Ground Elevation (AMSL) 0.0 m / 0.0 ft

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**Link Information**

Satellite Type Geostationary  
Mode TO - Transmit-Only  
Modulation Digital  
Satellite Arc 177°W to 177° West Longitude  
Antenna Centerline (AGL) 15.54 m / 51.0 ft

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**Antenna Information Transmit - FCC32**

Manufacturer FCC REFERENCE  
Model 32-25LOG(THETA)  
Gain / Diameter 42.1 dBi / 2.4 m  
3-dB / 15-dB Beamwidth 0.66° / 1.40°

Max Available RF Power (dBW/4 kHz) -10.5  
(dBW/MHz) 13.5

Maximum EIRP (dBW/4 kHz) 31.6  
(dBW/MHz) 55.6  
(dBW)

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%  
Short Term -131.0 dBW/4 kHz 0.0025%

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**Frequency Information Transmit 6.1 GHz**

Emission / Frequency Range (MHz) 102KG7D - 205KG7D / 6277-6283  
102KG7D - 205KG7D / 6295.5-6298  
102KG7D - 205KG7D / 6344-6350  
102KG7D - 205KG7D / 6355-6371.5  
102KG7D - 205KG7D / 6418-6423

## U.S.A. West Coast ESV Break Points

This ESV will operate no closer than 5 miles off the coast. This is reflected in the route information below.

Break Point	Latitude	Longitude
WC BP 1	48.73444444	-125.268889
WC BP 2	48.41747222	-124.825278
WC BP 3	46.8415	-124.218611
WC BP 4	44.61494444	-124.165556
WC BP 4a	42.835	-124.664
WC BP 5	42.47877778	-124.513611
WC BP 6	40.40208333	-124.4975
WC BP 7	38.92202778	-123.825
WC BP 8	37.96630556	-123.108889
WC BP 9	36.12511111	-121.751111
WC BP 10	34.39552778	-120.537778
WC BP 11	33.44702778	-117.795833
WC BP 12	32.54669444	-117.207222
WC BP 13	32.5125	-117.207222

