

DATA CAPTURE EXERCISE

Coordination request for a new Chilean (CHL) GSO Satellite Network (1.12.2010)

Identity of Satellite network:	ITUSAT
Nominal Orbital Longitude:	70 DEGREES WEST
Longitudinal Tolerance to West:	0.1
Longitudinal Tolerance to East:	0.1
Inclination Excursion:	0.05
Compliance with off-axis Power limitations	YES

RECEIVING BEAM DATA FOR KR1

Maximum Isotropic Gain:	35
Pointing Accuracy	0.2
Antenna Gain Contours Diagram No.	1
Antenna Gain vs Orbit Longitude Diagram No.	2

Group Data for Receiving Beam KR1

Assigned Frequency Bandwidth:	72000
Class of Station:	EC
Nature of Service:	CV
Polarization:	Vertical
Receiving System Noise Temperature:	500
Service Area Number:	1
Service Area Diagram Number.	3

General Characteristics of this Group

Date of Bringing Into Use:	1.06.2017
Operating Agency:	001
Responsible Administration:	A

Special Sections for this group

API/A	1234
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Emissions Data for this Group

Designation of Emission:	70M0G7W--
Maximum Peak Power:	36.4
Maximum Power Density:	-42
Minimum Peak Power:	-3.5
Minimum Power Density:	-82
C/N objective:	7

Frequency Data for this Group

Assigned Frequency:	14.058 GHz
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Associated Earth Station for this Group

Type of Station:	Typical
Associated Earth Station Name:	T1
Class of Station:	TB
Nature of Service:	CV
Maximum Isotropic Gain:	60.4
Beamwidth:	0.16
Diameter of Antenna:	9
Antenna Radiation pattern:	REC-580-6

TRANSMITTING BEAM DATA FOR KT1

Maximum Isotropic Gain:	35
Pointing Accuracy	0.2
Antenna Gain Contours Diagram No.	4

1st Group Data for transmitting Beam KT1

Assigned Frequency Bandwidth:	72000
Class of Station:	EC
Nature of Service:	CV
Polarization:	Vertical
Maximum Total Peak Power:	21
Contiguous Bandwidth:	72000
Service Area Number:	1
Service Area Diagram Number:	5

General Characteristics of this Group

Date of Bringing Into Use:	1.06.2017
Operating Agency:	001
Responsible Administration:	A

Special Sections for this group

API/A	1234
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Emissions Data for this Group

Designation of Emission:	72M0G7W--
Maximum Peak Power:	21
Maximum Power Density:	-57.4
Minimum Peak Power:	15.4
Minimum Power Density:	-63
C/N objective:	7

Frequency Data for this Group

Assigned Frequency:	12.08 GHz
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Associated Earth Station for this Group

Type of Station:	Typical
Associated Earth Station Name:	R1
Class of Station:	TC
Nature of Service:	CV
Maximum Isotropic Gain:	32.8
Beamwidth:	4.1
Diameter of Antenna:	.45
Receiving System Noise Temperature:	120
Antenna Radiation pattern:	REC-580-6

2nd Group Data for transmitting Beam KT1

Assigned Frequency Bandwidth:	2000
Classe of Station:	ER
Nature of Service:	CV
Polarization:	Vertical
Maximum Total Peak Power:	-10.5
Contiguous Bandwidth:	2000
Service Area Number:	1
Service Area Diagram Number:	5

General Characteristics of this Group

Date of Bringing Into Use:	1.06.2017
Operating Agency:	001
Responsible Administration:	A

Special Sections for this group

API/A	1234
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Emissions Data for this Group

Designation of Emission:	300KG9X--
Maximum Peak Power:	-10.5
Maximum Power Density:	-65.2
Minimum Peak Power:	-25.5
Minimum Power Density:	-80.2
C/N objective:	10

Frequency Data for this Group

Assigned Frequency:	11.71 GHz
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Associated Earth Station for this Group

Type of Station:	Typical
Associated Earth Station Name:	R1
Class of Station:	TR
Nature of Service:	CV
Maximum Isotropic Gain:	32.8
Beamwidth:	4.1
Diameter of Antenna:	.45
Receiving System Noise Temperature:	120
Antenna Radiation pattern:	REC-580-6