

February 24, 2011

Re: Iridium Constellation LLC
Job Number: 100830COMSDS02
BORESIGHT TX - CHANDLER ET4, AZ ; BORESIGHT TX -
CHANDLER ET1, AZ ; BORESIGHT TX - CHANDLER ET4, AZ ;
BORESIGHT TX - CHANDLER ET1, AZ.
18.0 GHz VIDEO MICROWAVE SYSTEM
Original PCN Dated 08/30/2010
Previous Renewal Dated 08/30/2010
Current Renewal Dated 02/24/2011
Prior Coordination Notification Renewal

Dear Frequency Coordinator:

Please be advised that the frequency usage defined in the coordination notice referenced above is still desired by our client, and pursuant to FCC Rule Part 101.103(d)(2)(xi), they request that the paths continue to be maintained in your database. For easy reference, we have enclosed data sheets showing the affected paths.

As this serves only as a renewal notification and there are no changes to the previously coordinated data, no response to this notice is necessary. With respect to this notification, the following is noted:

- The operation of the site will not be continuous. The operational hour will be normal buissness hours, 0800 to 1700, Monday through Friday.

- Stop Buzzer. An Iridium Senior Netwrok engineer, Mark Durazo, will be available at (480) 752-1172 in the event there are any concerns or questions regarding the experimental operations.

If you have any questions, or require additional information, please contact me at (703) 636-5234.

Sincerely,

COMSEARCH

Dong Shin
Frequency Engineer
dshin@comsearch.com

Enclosure(s)



19700 Janelia Farm Boulevard, Ashburn, VA 20147
Phone 703-726-5500 • Fax 703-726-5600
www.comsearch.com

Supplemental Showing Pursuant To:
101.103 (d) Frequency Coordination Procedures

Reference:

Iridium Constellation LLC
Job Number: 100830COMSDS02
BORESIGHT TX - CHANDLER ET4, AZ ; BORESIGHT TX - CHANDLER ET1, AZ ; BORESIGHT TX -
CHANDLER ET4, AZ ; BORESIGHT TX - CHANDLER ET1, AZ.
18.0 GHz VIDEO MICROWAVE SYSTEM
Original PCN Dated 08/30/2010
Previous Renewal Dated 08/30/2010
Current Renewal Dated 02/24/2011

Coordination data for the above referenced microwave route was forwarded to the existing licensees and applicants whose facilities could be affected on February 24, 2011.

Previously, prior coordination including notification and response was completed for this system and there were no unresolved interference objections.

Frequencies allocated for standard use were not used since they failed to meet the interference protection criteria as specified in FCC Rule Part 101.105. Therefore non-standard frequencies were assigned to this path for two-way communications in order to follow the predominant plan in the environment in accordance with FCC Rule Part 101.147.

The following carriers or their designated coordination agents were notified, and there are no unresolved interference objections.

Licenseses

ALLTEL Comm of the Southwest Ltd Prtnrsh
ARIZONA BOARD OF REGENTS ARIZONA ST UNIV
ARIZONA BOARD OF REGENTS UNIV OF ARIZONA
AT&T CORP
ATL MDS, LLC
Agua Fria Unified School District
Airband Communications Inc
Arizona State University - Tempe
Arizona Telephone Company
BNCCORP INC.
Banner Health
Bluewire LLC
CNG Communications, Inc.
City of Avondale
City of Casa Grande
City of Tuscon IT Department
Clearwire Spectrum Holdings III, LLC
Conterra Ultra Broadband, LLC
Cox Communications Inc - Phoenix, AZ Rgn
Cricket Communications, Inc
DESERT DIAMOND CASINO
Deer Valley Unified School District
Drexel Heights Fire District
Dysart Unified School District
EVDI Medical Imaging, LLC
El Paso Natural Gas Company



19700 Janelia Farm Boulevard, Ashburn, VA 20147
Phone 703-726-5500 • Fax 703-726-5600
www.comsearch.com

Supplemental Showing Pursuant To:
101.103 (d) Frequency Coordination Procedures

Reference:

Iridium Constellation LLC
Job Number: 100830COMSDS02

(Continued)

FiberTower Network Services Corp.
Glendale Water Utilities Wireless Netwrk
Golder Ranch Fire District
Gutierrez-Palmenberg, Inc.
Iridium Constellation LLC
J.O. Combs Elementary School District
KOLD License Subsidiary
MESA, CITY OF
Marana, Town of
Maricopa County Wireless Systems
Metrobridge Networks Licensing, LLC
Multimedia Holdings Corporation
NEXTEL LICENSE HOLDINGS 4 INC
NW Communications of Phoenix, Inc.
New Cingular Wireless PCS LLC - AZ
Next Level Solutions
Nextlink Wireless, Inc
North West Fire District
PHOENIX , CITY OF
Paradise Valley Unified School District
Peoria, City of
QWEST CORPORATION
RADIOLOGY LTD
Renaissance Networking, Inc.
SPANISH INDEPENDENT BROADCAST NETWORK
SWWG, LLC
Scottsdale, City of
Shamrock Foods Company
Simply Bits, LLC
Sparkplug Southwest, LLC
Sprint PCS
Sprint Spectrum LP DBA Sprint PCS
Sun Health Corporation
Surprise City of
T-Mobile License LLC
Telink Networks SW, LLC
Tempe Union High School District #213
Tempe, City of
Town of Gilbert
Trillion Partners, Inc.
Tucson Unified School District
Union Pacific Railroad Company
University of Arizona - UITS
Verizon Wireless (VAW) LLC-Southwest Rgn
Western Broadband, LLC
Western WiMax LLC



19700 Janelia Farm Boulevard, Ashburn, VA 20147
Phone 703-726-5500 • Fax 703-726-5600
www.comsearch.com

Supplemental Showing Pursuant To:
101.103 (d) Frequency Coordination Procedures

Reference:

Iridium Constellation LLC
Job Number: 100830COMSDS02

(Continued)

Respectfully Submitted,
COMSEARCH

/s/ Dong Shin
Frequency Engineer

**Microwave Path Data Sheet
COMSEARCH**

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)636-5234 www.comsearch.com

PCN Date: 02/24/2011
Job Number: 100830COMSDS02

Administrative Information	BORESIGHT TX AZ	CHANDLER ET4 AZ
City/County	Chandler/Maricopa	Chandler/Maricopa
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	IRICON	IRICON
Licensee Name	Iridium Constellation LLC	Iridium Constellation LLC
Radio Service / Station Class	CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed

Site Information		
Latitude (NAD 83)	33 ° 16' 3.3" N	33 ° 15' 57.1" N
Longitude (NAD 83)	111 ° 52' 57.9" W	111 ° 52' 52.1" W
Ground Elevation (m/ft-AMSL)	362.70 / 1190.0	363.70 / 1193.2
Antenna Structure Registration #		
Path Azimuth (°)	141.837	321.838
Path Length (km / miles)		0.243 / 0.151

Transmit Antenna	
Manufacturer	OB0000
Model	OMNI
Gain(dBi) / Beamwidth(°) / Tilt(°)	OMNI
Centerline (m / ft - AGL)	13.0 / 40.00 / 0.95
	4.57 / 15.0

Receive Antenna	
Manufacturer	OB0000
Model	OMNI
Gain (dBi) / Beamwidth (°)	OMNI
Centerline (m / ft - AGL)	13.0 / 40.00
	7.62 / 25.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information		
Manufacturer	TEMP20	999999
Model	ALL MANUFACTURERS	RECEIVE
Model Description	TEST SIGNAL	ONLY
Emission Designator / Modulation	NON FM	
Loading	1 CH FMV 0.000	1 CH FMV 0.000
Stability (%)	0.001	0.001
Power (dBm)	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Received Level (dBm)		-101.6
EIRP (dBm)	-20.0	
	-8.0	
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 1.0
Free Space Loss (dB)		105.6

Transmit Frequency Range (MHz) 17705.0V – 19765.0V

Microwave Path Data Sheet COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)636-5234 www.comsearch.com

PCN Date: 02/24/2011
Job Number 100830COMSDS02

Administrative Information	BORESIGHT TX AZ	CHANDLER ET1 AZ
City/County	Chandler/Maricopa	Chandler/Maricopa
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	IRICON	IRICON
Licensee Name	Iridium Constellation LLC	Iridium Constellation LLC
Radio Service / Station Class	CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed

Site Information		
Latitude (NAD 83)	33 ° 16' 3.3" N	33 ° 15' 59.2" N
Longitude (NAD 83)	111 ° 52' 57.9" W	111 ° 52' 54.8" W
Ground Elevation (m/ft-AMSL)	362.70 / 1190.0	363.70 / 1193.2
Antenna Structure Registration #		
Path Azimuth (°)	147.577	327.578
Path Length (km / miles)		0.150 / 0.093

Transmit Antenna	OB0000
Manufacturer	OMNI
Model	OMNI
Gain(dBi) / Beamwidth(°) / Tilt(°)	13.0 / 40.00 / 1.55
Centerline (m / ft - AGL)	4.57 / 15.0

Receive Antenna	OB0000
Manufacturer	OMNI
Model	OMNI
Gain (dBi) / Beamwidth (°)	13.0 / 40.00
Centerline (m / ft - AGL)	7.62 / 25.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information	TEMP20	999999
Manufacturer	ALL MANUFACTURERS	RECEIVE
Model	TEST SIGNAL	ONLY
Model Description		
Emission Designator / Modulation	NON FM	
Loading	1 CH FMV 0.000	1 CH FMV 0.000
Stability (%)	0.001	0.001
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	-20.0	
Received Level (dBm)		-97.4
EIRP (dBm)	-8.0	
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 1.0
Free Space Loss (dB)		101.4

Transmit Frequency Range (MHz) 17705.0V – 19765.0V

Microwave Path Data Sheet COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)636-5234 www.comsearch.com

PCN Date: 02/24/2011
Job Number 100830COMSDS02

Administrative Information	BORESIGHT TX AZ	CHANDLER ET4 AZ
City/County	Chandler/Maricopa	Chandler/Maricopa
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	IRICON	IRICON
Licensee Name	Iridium Constellation LLC	Iridium Constellation LLC
Radio Service / Station Class	CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed

Site Information		
Latitude (NAD 83)	33 ° 16' 3.3" N	33 ° 15' 57.1" N
Longitude (NAD 83)	111 ° 52' 57.9" W	111 ° 52' 52.1" W
Ground Elevation (m/ft-AMSL)	362.71 / 1190.0	363.69 / 1193.2
Antenna Structure Registration #		
Path Azimuth (°)	141.837	321.838
Path Length (km / miles)		0.243 / 0.151

Transmit Antenna	OB0000
Manufacturer	OMNI
Model	OMNI
Gain(dBi) / Beamwidth(°) / Tilt(°)	13.0 / 40.00 / 0.95
Centerline (m / ft - AGL)	4.57 / 15.0

Receive Antenna	OB0000
Manufacturer	OMNI
Model	OMNI
Gain (dBi) / Beamwidth (°)	13.0 / 40.00
Centerline (m / ft - AGL)	7.62 / 25.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information	TEMP20	999999
Manufacturer	ALL MANUFACTURERS	RECEIVE
Model	TEST SIGNAL	ONLY
Model Description		
Emission Designator / Modulation	NON FM	
Loading	1 CH FMV 0.000	1 CH FMV 0.000
Stability (%)	0.001	0.001
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	-20.0	
Received Level (dBm)		-100.6
EIRP (dBm)	-8.0	
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 0.0
Free Space Loss (dB)		105.6

Transmit Frequency Range (MHz) 17705.0V – 19765.0V

**Microwave Path Data Sheet
COMSEARCH**

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)636-5234 www.comsearch.com

PCN Date: 02/24/2011
Job Number 100830COMSDS02

Administrative Information	BORESIGHT TX AZ	CHANDLER ET1 AZ
City/County	Chandler/Maricopa	Chandler/Maricopa
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	IRICON	IRICON
Licensee Name	Iridium Constellation LLC	Iridium Constellation LLC
Radio Service / Station Class	CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed

Site Information		
Latitude (NAD 83)	33 ° 16' 3.3" N	33 ° 15' 59.2" N
Longitude (NAD 83)	111 ° 52' 57.9" W	111 ° 52' 54.9" W
Ground Elevation (m/ft-AMSL)	362.71 / 1190.0	363.69 / 1193.2
Antenna Structure Registration #		
Path Azimuth (°)	148.422	328.422
Path Length (km / miles)		0.148 / 0.092

Transmit Antenna	
Manufacturer	OB0000
Model	OMNI
Gain(dBi) / Beamwidth(°) / Tilt(°)	OMNI
Centerline (m / ft - AGL)	13.0 / 40.00 / 1.56
	4.57 / 15.0

Receive Antenna	
Manufacturer	OB0000
Model	OMNI
Gain (dBi) / Beamwidth (°)	OMNI
Centerline (m / ft - AGL)	13.0 / 40.00
	7.62 / 25.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information		
Manufacturer	TEMP20	999999
Model	ALL MANUFACTURERS	RECEIVE
Model Description	TEST SIGNAL	ONLY
Emission Designator / Modulation	NON FM	
Loading	1 CH FMV 0.000	1 CH FMV 0.000
Stability (%)	0.001	0.001
Power (dBm)	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Received Level (dBm)	-20.0	-96.3
EIRP (dBm)	-8.0	
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 0.0
Free Space Loss (dB)		101.3

Transmit Frequency Range (MHz) 17705.0V – 19765.0V