

Micronet Communications, Inc.

720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1703021 5.93 GHz
Licensee: ORBITAL MEDIA NETWORKS INC

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Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Englewood, CO

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

02/17/2017 Original PCN (Expedited response requested by 03/03/2017)
There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

AIRLIFE DENVER
ARVADA CITY OF COLORADO
ARVADA POLICE DEPT.
AT&T MOBILITY SPECTRUM LLC
BASIN ELECTRIC POWER COOPERATIVE
BNSF RAILWAY CO.
BONANZA CREEK ENERGY INC
BOULDER COUNTY OF
BOULDER, COUNTY OF
CBS COMMUNICATIONS SERVICES
CBS TELEVISION STATIONS INC
CELLULAR INC NETWORK CORP
CITY OF AURORA
CITY OF BLACK HAWK FOR PUBLIC SAFETY
CITY OF COLORADO SPRINGS
COLORADO INTERSTATE GAS
COLORADO SPRINGS UTILITIES
COLORADO STATE OF
COMMUNITY RADIO FOR NORTHERN COLORADO
COMMUNITY TELEVISION OF COLORADO LICENSE LLC
COMSEARCH INC
DIRECTLINK LLC
DIRECTLINK, LLC
DOUGLAS COUNTY
DOUGLAS COUNTY SHERIFF'S OFFICE
ENTRAVISION HOLDINGS, LLC
FONES WEST DIGITAL SYSTEMS INC
FONES WEST DIGITAL SYSTEMS, INC.
GILPIN COUNTY SHERIFFS OFFICE

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GRAY TELEVISION LICENSEE, LLC
INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION
KELLIN COMMUNICATIONS
KSE RADIO VENTURES, LLC
LAKEWOOD, CITY OF
LARIMER COUNTY
LIVE WIRE NETWORKS INC.
LP BROADBAND INC
MHO NETWORKS
MICRONET COMMUNICATIONS INC
MORGAN COUNTY COMMUNICATIONS
MOUNTAIN BROADBAND
MULTIMEDIA HOLDINGS CORPORATION
NE COLORADO CELLULAR, INC.
NEW CINGULAR WIRELESS PCS LLC
NEW CINGULAR WIRELESS PCS LLC - COLORADO
NEW CINGULAR WIRELESS PCS, LLC
PLATTE RIVER POWER AUTHORITY
QWEST CORPORATION
RADIO DYNAMICS
ROGGEN TELEPHONE ENTERPRISES, INC.
SANGRE DE CRISTO COMMUNICATIONS, LLC
SPRINT COMMUNICATIONS COMPANY, LP
STATE OF COLORADO
TALLGRASS OPERATIONS, LLC
TRI STATE GENERATION & TRANSMISSION ASSOCIATION, INC.
TRIBUNE BROADCASTING DENVER LICENSE, LLC
UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH
VERIZON WIRELESS (VAW) LLC
XCEL ENERGY SERVICES INC
XCEL ENERGY SERVICES INC.

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	ORBITAL MEDIA NETWORKS INC		
Site Name, State:	Englewood, CO		
Call Sign:	E010074		
Latitude	(NAD83)	39 34	47.0 N
Longitude	(NAD83)	104 51	35.0 W
Elevation AMSL	(ft/m)	5744.74	1751.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	60.00	143.00
Range of Azimuths from North	(deg)	122.63	230.94
Antenna Centerline	(ft/m)	12.89	3.93
Antenna Elevation Angles	(deg)	25.27	29.79

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	41.00	45.00
15 DB Half Beamwidth	(deg)	1.36	0.87
Antennas	Receive: SUMAN SM T3.7R Transmit: SUMAN SM T3.7R		
Max Transmitter Power	(dbW/4KHz)		-15.70
Max EIRP Main Beam	(dbW/4KHz)		29.30
Modulation / Emission Designator	DIGITAL	18M0G7W	

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	222.57	125.99
Max Rain Scatter Distances	(km)	240.61	100.00
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		2	A