

**Micronet Communications, Inc.**

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1827806 3.70 GHz  
Licensee: BOARD OF TRUSTEES, UNIVERSITY OF KENTUCKY

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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:

WUKY Studio, KY

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:

10/05/2018 Original PCN  
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:

COMSEARCH INC

Respectfully Submitted,



Jeremy Lewis  
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	BOARD OF TRUSTEES, UNIVERSITY OF KENTUCKY		
Site Name, State:	WUKY Studio, KY		
Call Sign:	E040263		
Latitude	(NAD83)	38 6	16.6 N
Longitude	(NAD83)	84 31	21.3 W
Elevation AMSL	(ft/m)	967.22	294.81
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	60.00	143.00
Range of Azimuths from North	(deg)	143.53	249.27
Antenna Centerline	(ft/m)	12.14	3.70
Antenna Elevation Angles	(deg)	38.98	15.95

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Equipment Parameters Receive

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Antenna Gain, Main Beam	(dbI)	40.90
15 DB Half Beamwidth	(deg)	2.80

Antennas Receive: PRODELIN 3.7 METER

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	30K0F1D 10M3G7W

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Coordination Parameters Receive

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Max Greater Circle Distances	(km)	432.03
Max Rain Scatter Distances	(km)	494.68
Max Interference Power Long Term	(dbW)	-158.60
Max Interference Power Short Term	(dbW)	-149.90
Rain Zone / Radio Zone		2 <span style="float: right;">A</span>