

**Micronet Communications, Inc.**

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1813604 3.70 GHz  
Licensee: POTOMAC RADIO, LLC (DELAWARE)

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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:

New World Radio, MD

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:

06/07/2018 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  
MCI COMMUNICATIONS

Respectfully Submitted,



Jeremy Lewis  
Systems Engineer

Attached: 1 data sheet

Micronet Communications, Inc.  
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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	POTOMAC RADIO, LLC (DELAWARE)		
Site Name, State:	New World Radio, MD		
Call Sign:			
Latitude	(NAD83)	38 52	9.4 N
Longitude	(NAD83)	76 53	45.9 W
Elevation AMSL	(ft/m)	396.98	121.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	60.00	160.00
Range of Azimuths from North	(deg)	154.17	265.66
Antenna Centerline	(ft/m)	22.97	7.00
Antenna Elevation Angles	(deg)	41.68	-3.30

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Equipment Parameters	Receive
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Antenna Gain, Main Beam	(dbI)	40.90
15 DB Half Beamwidth	(deg)	3.20

Antennas            Receive: PRODELIN 1374 (4.3 M)

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

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Coordination Parameters	Receive
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Max Greater Circle Distances	(km)	509.90	
Max Rain Scatter Distances	(km)	381.75	
Max Interference Power Long Term	(dbW)	-140.60	
Max Interference Power Short Term	(dbW)	-118.40	
Rain Zone / Radio Zone		2	A

MICRONET COMMUNICATIONS, INC.  
06-07-2018

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Horizon Angle    Horizon Gain    Final Contour    -    3.95 GHz RECEIVE ONLY  
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Company:                                    POTOMAC RADIO LLC (DELAWARE)

Site Name, State:                        New World Radio, MD

Call Sign:

Latitude (NAD83) 38 52 9.4 N            Longitude (NAD83) 76 53 45.9 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.00	-6.53	247.3	180	0.00	-9.47	251.4
5	0.00	-6.00	247.3	185	0.00	-9.40	252.4
10	0.00	-6.21	247.3	190	0.00	-9.20	254.0
15	0.00	-9.54	247.3	195	0.00	-8.86	255.1
20	0.00	-12.15	247.3	200	0.00	-8.41	255.6
25	0.00	-14.07	247.3	205	0.00	-7.85	255.4
30	0.00	-12.40	247.3	210	0.00	-7.21	254.5
35	0.00	-10.67	247.3	215	0.00	-6.49	252.9
40	0.00	-8.54	247.3	220	0.00	-5.70	250.9
45	0.00	-6.13	251.8	225	0.00	-4.62	248.4
50	0.00	-6.00	258.9	230	0.00	-3.40	247.3
55	0.00	-6.00	266.9	235	0.00	-2.13	247.3
60	0.00	-7.51	276.6	240	0.00	-0.82	247.3
65	0.00	-10.00	290.6	245	0.00	0.00	247.3
70	0.00	-10.00	307.6	250	0.00	0.43	247.3
75	0.00	-10.00	329.5	255	0.00	9.28	247.3
80	0.00	-10.00	362.3	260	0.00	19.99	247.3
85	0.00	-10.00	391.1	265	0.00	27.83	247.3
90	0.00	-10.00	509.9	270	0.00	10.27	247.3
95	0.00	-10.00	475.6	275	0.00	0.27	247.3
100	0.00	-10.00	381.4	280	0.00	0.00	247.3
105	0.00	-10.00	362.8	285	0.00	-1.69	247.3
110	0.00	-10.00	335.6	290	0.00	-3.50	247.3
115	0.00	-10.00	317.4	295	0.00	-5.32	247.3
120	0.00	-10.00	303.1	300	0.00	-6.69	247.3
125	0.00	-10.00	291.4	305	0.00	-8.00	247.3

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130	0.00	-10.00	281.7	310	0.00	-9.32	247.3
135	0.00	-9.51	273.8	315	0.00	-10.00	247.3
140	0.00	-9.10	268.3	320	0.00	-10.00	247.3
145	0.00	-8.81	263.6	325	0.00	-10.00	247.3
150	0.00	-8.64	259.8	330	0.00	-10.00	247.3
155	0.00	-8.59	256.6	335	0.00	-10.00	247.3
160	0.00	-8.68	254.2	340	0.00	-10.00	247.3
165	0.00	-8.89	252.4	345	0.00	-10.00	247.3
170	0.00	-9.19	251.4	350	0.00	-10.00	247.3
175	0.00	-9.40	251.0	355	0.00	-10.00	247.3