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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company: WVEC TELEVISION LLC

Site Name, State: WVEC Studio, VA

Call Sign:

Latitude	(NAD83)	36	51	20.0	N
Longitude	(NAD83)	76	18	9.0	W
Elevation AMSL	(ft/m)	9.00		2.74	
Receive Frequency Range	(MHz)	3700.00		4200.00	
Transmit Frequency Range	(MHz)				
Range of Satellite Orbital Long.	(deg W)	11		143	
Range of Azimuths from North	(deg)	105.42		255.51	
Antenna Centerline	(ft/m)	13.12		4.00	
Antenna Elevation Angles	(deg)	11.01		9.90	

Equipment Parameters 3.95 GHz

Antenna Gain, Main Beam	(dbI)	44.20			
15 DB Half Beamwidth	(deg)	2.40			
Antennas	Receive: COMMSCOPE ESA45-4	(4.5 METER)			
Max Transmitter Power	(dbW/4KHz)				
Max EIRP Main Beam	(dbW/4KHz)				
Modulation / Emission Designator	Analog	36M0G7W			

Coordination Parameters 3.95 GHz

Max Greater Circle Distances	(km)	328.03			
Max Rain Scatter Distances	(km)	252.23			
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.
08-09-2018

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Horizon Angle Horizon Gain Final Contour - 3.95 GHz RECEIVE ONLY
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Site Name, State: WVEC Studio, VA

Call Sign:

Latitude (NAD83) 36 51 20.0 N Longitude (NAD83) 76 18 9.0 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	-6.18	222.6	180	0.00	-10.00	223.7
5	0.00	-6.00	222.6	185	0.00	-9.99	224.8
10	0.00	-6.00	222.6	190	0.00	-9.77	226.5
15	0.00	-9.67	222.6	195	0.00	-9.42	229.0
20	0.00	-10.00	222.6	200	0.00	-8.93	232.2
25	0.00	-10.00	222.6	205	0.00	-8.34	236.1
30	0.00	-10.00	222.6	210	0.00	-7.66	240.8
35	0.00	-10.00	222.6	215	0.00	-6.91	246.3
40	0.00	-10.00	222.6	220	0.00	-6.08	252.7
45	0.00	-10.00	222.6	225	0.00	-5.10	260.3
50	0.00	-10.00	222.6	230	0.00	-3.83	269.4
55	0.00	-10.00	225.8	235	0.00	-2.51	282.0
60	0.00	-9.85	232.5	240	0.00	-1.16	298.8
65	0.00	-8.58	240.1	245	0.00	0.00	314.1
70	0.00	-7.32	248.6	250	0.00	0.00	320.0
75	0.00	-6.07	258.4	255	0.00	0.26	311.9
80	0.00	-4.60	269.7	260	0.00	0.00	295.9
85	0.00	-2.96	284.9	265	0.00	0.00	279.1
90	0.00	-1.42	303.5	270	0.00	-0.91	266.2
95	0.00	-0.04	321.1	275	0.00	-2.48	255.6
100	0.00	0.00	328.0	280	0.00	-4.14	246.3
105	0.00	0.00	317.9	285	0.00	-5.75	238.2
110	0.00	0.00	299.6	290	0.00	-7.01	230.9
115	0.00	0.00	282.0	295	0.00	-8.28	224.4
120	0.00	-1.16	269.4	300	0.00	-9.56	222.6
125	0.00	-2.51	260.3	305	0.00	-10.00	222.6
130	0.00	-3.83	252.7	310	0.00	-10.00	222.6
135	0.00	-5.10	246.3	315	0.00	-10.00	222.6
140	0.00	-6.08	240.8	320	0.00	-10.00	222.6
145	0.00	-6.91	236.1	325	0.00	-10.00	222.6
150	0.01	-7.66	232.2	330	0.03	-10.00	222.6
155	0.00	-8.34	229.0	335	0.08	-10.00	222.6
160	0.00	-8.93	226.5	340	0.05	-10.00	222.6
165	0.00	-9.42	224.8	345	0.00	-10.00	222.6
170	0.00	-9.77	223.7	350	0.00	-6.47	222.6
175	0.00	-9.99	223.3	355	0.00	-6.00	222.6