

Microwave Path Data Sheet
COMSEARCH

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PCN Date: 12/11/2006
Job Number 061211COMSAN02

Previous PCN Date: 10/18/1994
RCN Number: 06121127

Administrative Information		DRAFFENVILLE KY	PADUCAH KY
City/County		/Marshall	Hendron/McCracken
Status / License Basis		Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		WMQ311	WMQ310
Licensee Code		KYRSA1	KYRSA1
Licensee Name		Kentucky RSA #1 Partnership	Kentucky RSA #1 Partnership
Radio Service / Station Class		CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed
Site Information			
Latitude (NAD 83)		36 ° 54' <u>58.8</u> " N	37 ° 1' 54.2" N
Longitude (NAD 83)		88 ° 18' <u>48.9</u> " W	88 ° 38' <u>47.1</u> " W
Ground Elevation (m/ft-AMSL)		<u>143.26</u> / 470.0	142.65 / 468.0
Antenna Structure Registration #		1030666	
Path Azimuth (°)		<u>293.468</u>	<u>113.268</u>
Path Length (km / miles)		<u>32.285</u> / <u>20.061</u>	
Transmit Antenna		<u>A74117</u>	<u>A74117</u>
Manufacturer		ANDREW CORPORATION	ANDREW CORPORATION
Model		<u>UHX10-59H LF</u>	<u>UHX10-59H LF</u>
Gain (dBi) / Beamwidth (°) / Tilt (°)		43.2 / 1.10 / -0.11	43.2 / 1.10 / -0.11
Centerline (m / ft - AGL)		60.96 / 200.0	60.96 / 200.0
Receive Antenna		Same As Transmit	
Manufacturer			
Model			
Gain (dBi) / Beamwidth (°)			
Centerline (m / ft - AGL)			
Diversity Receive Antenna		<u>A74117</u>	<u>A74117</u>
Manufacturer		ANDREW CORPORATION	ANDREW CORPORATION
Model		<u>UHX10-59H LF</u>	<u>UHX10-59H LF</u>
Gain (dBi) / Beamwidth (°)		43.2 / 1.10	43.2 / 1.10
Centerline (m / ft - AGL)		50.29 / 165.0	50.29 / 165.0
Radio Information		<u>TEMH99</u>	<u>TEMH99</u>
Manufacturer		<u>NEC AMERICA</u>	<u>NEC AMERICA</u>
Model		<u>TRP-L6G155MB7-1A</u>	<u>TRP-L6G155MB7-1A</u>
Model Description		<u>NLite LX 3xDS3 or OC3 Indoor</u>	<u>NLite LX 3xDS3 or OC3 Indoor</u>
Emission Designator / Modulation		<u>30M0D7W</u> <u>128 QAM</u>	<u>30M0D7W</u> <u>128 QAM</u>
Loading		<u>2016CH DIG 169660.000</u>	<u>2016CH DIG 169660.000</u>
Stability (%)		<u>0.001</u>	<u>0.001</u>
Power (dBm)		Nominal <u>30.5</u>	Nominal <u>30.5</u>
Received Level (dBm)		<u>-27.6</u>	<u>-27.6</u>
EIRP (dBm)		<u>70.7</u>	<u>70.7</u>
Fixed Loss: Tx / Common (dB)		0.0 / <u>3.0</u>	0.0 / 3.0
Free Space Loss (dB)			<u>138.5</u>
Transmit Frequencies (MHz)		<u>6345.4900H(26T)</u>	<u>6093.4500H(16T)</u>