

## ENGINEERING SPECIFICATIONS

	Permitted Parameters: BNPDTT-20090825BFJ	Proposed Parameters
<b>Transmitter Site</b>		
N. Latitude (NAD 27)	37° 25' 52.1"	37° 25' 52.1"
W. Longitude (NAD 27)	81° 35 ' 35.2 "	81° 35 ' 35.2 "
FAA Study Number:	99-AEA-1735-OE	99-AEA-1735-OE
ASR Study Number:	1200717	1200717
<b>Emission Characteristics</b>		
Channel:	29	29
Frequency:	560 - 566 MHz	560 - 566 MHz
Emission Mask:	Stringent	Stringent
<b>Antenna and Other Elevations</b>		
Height of Site Above Mean Sea Level (AMSL)	620.2 m	620.2 m
Overall Height of Structure Above Ground (AGL)	84.7 m	84.7 m
(including all appurtenances)	88.0 m	88.0 m
Overall Height of Structure Above Mean Sea Level	704.9 m	704.9 m
(including all appurtenances)	708.2 m	708.2 m
Average Terrain	554.8 m	554.8 m
Effective Height of Antenna Above Ground	75.0 m	75.0 m
Effective Height of Antenna Above Average Terrain	140.5 m	140.5 m
Effective Height of Antenna Above Mean Sea Level	695.2 m	695.2 m
<b>Transmission and Antenna Parameters</b>	H Polarization	V Polarization
Maximum Effective Radiated Power	15kW	15kW
Antenna Gain	9.03 dB	10.79 dB
Antenna Electrical Beam Tilt	1.5 degrees	1.0 degrees
Transmission Line Loss	1.8 dB	1.58 dB
Transmitter Power Output	2.84 kW	1.8 kW
Antenna Make / Model	Dielectric TLP-8A	Dielectric TLP-12A

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**W29DP-D**

**WELCH, WV**

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EXHIBIT 7.1