



Universal Licensing System

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Microwave Public Safety Pool License - WBF52 - NEW MEXICO, STATE OF

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Path 2: DAVENPORT to MAGNUS MTN

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MAIN ADMIN LOCATIONS PATHS

Call Sign: WBF52 Radio Service: MW - Microwave Public Safety Pool

2 Total Paths

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Path: 2 - To MAGNUS MTN [GO](#)

Path 2 - PP

DAVENPORT to MAGNUS MTN

Transmit Location: DAVENPORT

Coordinates: 34-17-00.2 N, 107-54-46.2 W

Polarization: V - Vertical Azimuth: 233.5°

Elevation (AMSL): 2840.7m

Elevation Angle: 0.0°

Transmit Antenna (Manufacturer: RADIO FREQUENCY SYSTEMS, Model: PAD8-59A)

Height: 9.1m Beamwidth: 1.4°

Gain: 41.3dBi

Diversity Antenna

Height: Beamwidth:

Gain:

Periscope Reflector

Height: Width:

Separation:

Segment 1:
DAVENPORT to MAGNUS MTN , 44.878110km

Receiver Location: MAGNUS MTN

Call Sign: [WNTS951](#)

Coordinates: 34-02-32.2 N, 108-18-13.2 W

Elevation (AMSL): 2954.3m

Receiver Antenna (Manufacturer: RADIO FREQUENCY SYSTEMS, Model: PAD8-59A)

Height: 15.2m Beamwidth: 1.4°

Gain: 41.3dBi

Diversity Antenna

Height: Beamwidth:

Gain:

Periscope Reflector

Height: Width:

Separation:

Geostationary Satellite Orbit

Does this filing add or modify emanations in the 5925-7075 MHz band pointing within 2 degrees of the Geostationary Satellite Arc with EIRP greater than 65 dBm, or in the 12700 - 13250 MHz band pointing within 1.5 degrees of the Geostationary Satellite Arc with EIRP greater than 75 dBm? No
If 'Yes', answer the following questions and attach waiver request explaining circumstances.

1 Frequencies

Frequency (MHz)	Tolerance	EIRP	ATPC	Emission Designators
1 006197.24000000	0.00100%	70.6dBm	No	30MOD7W Baseband Digital Rate (kbps): 138800.0 Digital Modulation Type: 64QAM

Transmitter Manufacturer: ALCATEL NETWORK SYSTEMS, Model: MDR-8606-135

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