Table 1

ANTENNA / LINE SYSTEM GAINS AND LOSSES

prepared March 2022 for

Viper Broadcasting, LLC

KFNS-FM Troy, MO

Facility ID 29944

Chan 264A 6 kW 99.3 m

Proposed Effective Radiated Power:	**6.000 kW**	**7.78 dBk**

Antenna System

Shively 6813-6R-EF Omnidirectional Antenna

Max Power Gain:	3.323	5.22 dB
Antenna Input Power:	1.803 kW	**2.56 dBk**

Line and Other Losses

400 feet, Andrew HJ7-50A 1-5/8" air-dielectric cable at 0.204 dB/100 feet	Loss:	0.82 dB
No other Losses	Loss:	0.00 dB
	Total Loss:	0.82 dB

Transmitter Power Output:	**2.178 kW**	**3.38 dBk**