

# FM System Loss Summary

Call Letters: W238CX  
 Parent Call Letters: WFIN  
 City of License: Findlay, Ohio  
 Frequency: 95.5 MHz  
 File No. BNPFT-20171201AGF  
 Facility ID: 201116  
 Applicant: Blanchard River Broadcasting Company, Inc.

Licensed ERP: 250 Watts  
 Antenna Make: ERI  
 Antenna Model: 100A-2F  
 Number of Bays: 2 Bays  
 Antenna COR AGL: 47.00 Meters    154.16 Feet  
 Antenna COR AMSL: 291.00 Meters    954.48 Feet  
 Max. Power Input: 2.00 kW  
 Power Gain Factor: -0.9  
 Power Gain in dB: -0.4576 dB  
 Transmitter Make and Model: Gates Air Flexiva FAX 300

$$TPO = 1 / (10^{(-Loss/10)} / ERP)$$

**System Loss:**

Description	Medium	Component Make/Model	Loss - dB/100'	Length (ft)	Device Loss (dB)	Total Loss
Main coax	COAX*	Commscope/Andrew AVA5-50 7/8"	-0.3540	164	<del>0.000000</del>	-0.580560
	COAX*				<del>0.000000</del>	0.000000
	COAX*				<del>0.000000</del>	0.000000
	COAX*				<del>0.000000</del>	0.000000
Connector		Commscope A5DF-D 7/8" DIN female	<del>0.000000</del>	<del>0.000000</del>	-0.05	-0.050000
Connector		Commscope A5DM-D 7/8" DIN male	<del>0.000000</del>	<del>0.000000</del>	-0.05	-0.050000
Adapter		RF Industries P2RFD-1650-SS male-male DIN	<del>0.000000</del>	<del>0.000000</del>	-0.01	-0.010000
Adapter		RF Industries RFD1652-2 Female-Male 90°	<del>0.000000</del>	<del>0.000000</del>	-0.01	-0.010000
Adapter		RF Industries RFD1652-2 Female-Male 90°	<del>0.000000</del>	<del>0.000000</del>	-0.01	-0.010000
			<del>0.000000</del>	<del>0.000000</del>		0.000000

\* These fields have formulas dedicated to calculate coax loss per foot.

Total Loss -1.168160 dB  
 TPO (raw) 327.1568 Watts  
 TPO 330 Watts