

Table 1
ANTENNA / LINE SYSTEM GAINS AND LOSSES
prepared January 2021 for
Cessna Communications, Inc.
W293DF Bedford, PA
Facility ID 200480
Chan 293D 0.25 kW 836 m AMSL

Proposed Effective Radiated Power:	0.250 kW	-6.02 dBk
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Antenna System

SWR FMECD/1-TA

Max Power Gain:	1.111	0.46 dB
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Antenna Input Power:	0.225 kW	-6.48 dBk
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Line and Other Losses

246 feet of RFS LCF78-50JA 7/8" foam-dielectric cable at 0.355 dB/100 feet	Loss:	0.87 dB
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No other Lossess	Loss:	0.00 dB
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Total Loss:	0.87 dB
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<u>Transmitter Power Output:</u>	0.275 kW	-5.61 dBk
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