

Online FM Transmitter Power Output Calculator

V1.0 By Allen D. Kass © 1999

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Station Call Letters: W283CD

Comment: 104.5 FM Translator

Transmitter Power Output Chart for 160 watts ERP operation

+5% to -10% in 1% steps

E-R-P	T-P-O	Per	Antenna	
Total	Total	cent	Input Power	
=====	=====	=====	=====	
168	NaN	+5%	128.24	Maximum Values
166.4	NaN	+4%	127.02	
164.8	NaN	+3%	125.8	
163.20000000000002		NaN	+2%	124.58
161.60000000000002		NaN	+1%	123.36
160.00000000000003		NaN	0%	122.14 Nominal Values
158.40000000000003		NaN	-1%	120.92
156.80000000000004		NaN	-2%	119.69
155.20000000000005		NaN	-3%	118.47
153.60000000000005		NaN	-4%	117.25
152.00000000000006		NaN	-5%	116.03
150.40000000000006		NaN	-6%	114.81
148.80000000000007		NaN	-7%	113.59
147.20000000000007		NaN	-8%	112.37
145.60000000000008		NaN	-9%	111.15
144.00000000000009		NaN	-10%	109.92 Minimum Values

Transmission Line: Andrew # HJ8-50B Length: 215 Feet

Atten/100 Ft=0.144dB Antenna Gain=1.31 Additional Loss=0.2

Transmission Line Loss at 160 Watts ERP=NaN watts

Transmission Line Efficiency at 215 Feet=NaN%

Calculated 3/16/115 at 12:04:52 PM