

EXHIBIT 12

POWER OUTPUT CALCULATIONS

Call Letters:	K276GP, Pendleton, OR
Freq:	103.1MHz
Date:	06/12/2016
Transmission line:	Andrew LDF4-50A
Length:	30ft (9.1m)
Loss db:	0.201dB / 95.57% efficiency
Power dissipated in line:	4.0W
Other losses:	0.06dB - (3 pairs of N-connectors @0.02db)
Other losses:	0.026dB-(2ft LMR 400 pigtail)
Antenna:	Kathrein 754-154 panel antenna
Bays:	1
Antenna power gain:	+3.5dbd; (2.40 power gain multiplier)
System ERP:	190W
Transmitter Output:	90.7W
105% Maximum TPO:	95.2W

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown 3740 S.W. Comus St. Portland, Oregon 97219-7418 503-245-6065 mike@brownbroadcast.com