



Table 1

Antenna / Line System Gains and Losses

prepared for

Liberman Broadcasting of Houston License LLC

KTJM(FM) Port Arthur, TX

Construction Permit File Number: BPH-20040427ABJ

Authorized Effective Radiated Power:	100 kW	20.00 dBk
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Antenna System

Dielectric DCRM-10B77	Power Gain:	4.5	6.53 dB
Antenna Input Power:		22.2 kW	13.47 dBk

Line and Other Losses

Transmission Line Dielectric Rigid 6 inch	Loss:	1.04 dB
Combiner Dielectric	Loss:	0.18 dB
Total Losses:		1.22 dB

<u>Transmitter Power Output:</u>	29.4 kW	14.69 dBk
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