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**Broadcast Engineering**

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**MBC GRAND BROADCASTING COMPANY, INCORPORATED**

**APPLICANT FOR**

**A COVERING LICENSE FOR**

**KMOZ-FM, CHANNEL 264C1**

**Grand Junction, Colorado**

**FCC FAC ID 81556  
BPH-20060515ACO**

**ENGINEERING EXHIBIT 7**

**October 23, 2006**

**DETERMINATION OF T.P.O.**

The Construction Permit for KMOZ-FM (BPH-20060515ACO) specifies an ERP of 30 KW with an antenna C/R at 97 meters AG, 2252 meters AMSL, and 475 meters HAAT. KMOZ-FM has constructed the facility as authorized in the Construction Permit. The required transmitter output power is as follows:

ERP	30 kW	14.77 dBk
Antenna Gain (Shively 6810-4R)	2.137	3.298 dB
Antenna Input		11.47 dBk
Transmission Line (381 ft 3" Flex) eff:	0.884	0.5372 dB
Transmitter Output Power (after filters)	15.88 kW	12.01 dBk