

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
DIGITAL TELEVISION STATION KGMV-DT
WAILUKU, HAWAII
CH 24 77 KW (MAX-DA) 755 M

Technical Statement

This Technical Exhibit has been prepared on behalf of Television Station KGMV-DT on Channel 24 assigned to Wailuku, Hawaii in support of its application for license. The station is operating pursuant to the automatic program test authority with authorized facilities of 77 kilowatts with an antenna height above average terrain of 755 meters on Channel 29.¹

Figure 1 is a tabulation of the carrier transmission system losses.

Charles A. Cooper

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du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

¹ See FCC Construction Permit File Number: BMPCDT-20080317ADA.

Figure 1

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KGMV-DT Transmission System

Description	System
Transmitter Power Output (3.5 kW):	5.4 dBk
Transmission Line Loss (Dielectric 3-1/8" Rigid) 150 feet: (Dielectric 3" Flexible 250 feet:	1.3 dB
Combiner Loss:	0.1 dB
Antenna Dielectric TUA-P2SP-6/12H-1-S (30.7 Power Gain):	14.9 dB
Maximum Effective Radiated Power (77 kW):	18.9 dBk