

RF SPECTRUM PROOF OF PERFORMANCE  
KMPS-FM 94.1 MHZ AUXILIARY  
53 KW ERP 371 M. HAAT  
CBS RADIO HOLDINGS, INC  
SEATTLE, WA  
JUNE 12, 2006

Pursuant to FCC Rules and Regulations Sections 73.1590 and 73.317, an RF Spectrum emissions Proof of Performance was conducted on the evening of May 22, 2006 for the recently installed KMPS-FM Auxiliary transmitter facility on Cougar Mountain, Issaquah, WA as authorized under CP file # BXPB-20050127AGI. KMPS-FM is diplexed into a Continental (ERI) G5CPS-4A antenna with co-owned KJAQ-FM, 96.5 MHz at FCC Facility ID #20356. Both stations operate with Shively model 2530-2B-16 3 cavity bandpass filter combiners.

An IFR Com-120B spectrum analyzer with built-in tracking generator and dual tunable RF notch filters with appropriate RF pads was employed for the measurements. Its sampling point was derived from a line section located immediately after the T combiner of the Shively diplexer.

A computer-generated intermodulation study was initially performed to identify all possible products involving 94.1 and 96.5 MHz out to the 5<sup>th</sup> order, up to 1 GHz. In particular, resulting products that fell on or near all known frequencies used by local broadcast and land mobile licensees were closely evaluated. All products were found to be suppressed greater than 80 db below the fundamental frequencies of 94.1 and 96.5 MHz. Therefore the KMPS-FM Auxiliary facility was found to be in compliance with the requirements of sections 73.1590 and 73.317 of the Commissions Rules.

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