

SPECIAL OPERATING CONDITIONS  
TECHNICAL STATEMENT  
KLLM(FM) WHEATLAND, WY  
MICHAEL RADIO COMPANY, LLC  
APRIL 2024

This technical statement is made in support of an FCC License Application filed for KLLM Wheatland, WY, facility ID 762455 to cover its outstanding Construction Permit("CP").

The CP, 0000242722, has a special operating condition that requires compliance with the spurious emission requirement under 47 C.F.R Sections 73.317(b) through 73.317(d).

A 4-stage diplexer has been installed on the output of the KLLM(FM) transmitter. Spurious emission measurements were conducted and found to be in compliance with the special operating conditions of the CP and in the abundance of caution for any spurious emissions.

Measurements were conducted at the new transmitter site using a Hewlett-Packard model 8560A RF spectrum analyzer which was inserted into the output of the cavity filter using a Bird wattmeter, model 43, with an RF sample output.

With modulation of KLLM(FM) main transmitter all emissions were found to be in compliance.

Any emission appearing on a frequency removed from the carrier by more than 240 kHz and up to and including 600kHz was found to be attenuated by greater than 60 dB, more than the minimum of 35 dB, below the level of the modulated carrier.

Any emission appearing on a frequency removed from the carrier by more than 600kHz was found to be attenuated by greater than 100 dB below the level of the modulated carrier.

Respectfully submitted:

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