

OCCUPIED BANDWIDTH MEASUREMENTS

K300DK, Whitefish, Montana

June 27th, 2018

On June 27th, 2018 Todd Clark made measurements of K300DK, Whitefish, MT, to show compliance with 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements were made with all combined stations operating at full power.

All measurements were made with a horizontal di-pole antenna approximately 90 feet from the transmitting antenna. A Tektronix 2712 spectrum analyzer (SN:B034034) was used for the measurements.

A 6dB attenuator was placed in line with the antenna to prevent front end overload of the analyzer.

Emissions 120Khz-240Khz removed from the carrier frequencies were greater than 80dB down, as were 240Khz-600Khz as well as 600Khz and further with the exceptions of 102.3, 102.5, 103.1 and 107.5 as those were operating stations that were received.

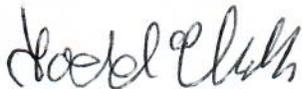
Possible intermod products were calculated through the 9th order and found to be non-existent. In fact a low level signal was detected on 97.5, but remained when the system was off. The closest station I could find on that frequency is a LP-FM in Charlo, approximately 85 miles South. The signal was not strong enough to listen to though so that is speculation as to the actual source.

Frequencies checked were 97.5, 113.1, 92.3, 118.3, 87.1, 123.5, 81.9, and 128.7

It is believed that K300DK is in full compliance of 47 C.F.R. Sections 73.317(b) through 73.317(d).

All measurements were performed by Todd Clark, the undersigned. Mr. Clark has been a Broadcast Engineer for over 30 years and has held an SBE certification of Certified Senior Broadcast Engineer and has served as Certification Chair of the Montana chapter of the SBE.

Respectfully,



Todd Clark

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