

May 12, 2011

I certify that the following translators have been checked for spurious emissions and modulation and that they comply with the requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d).

K207DJ and K219LN

Measurements were taken using a calibrated RF spectrum analyzer connected to the transmission line using an in-line watt meter -40dB sample port.

Signed:

Jeremy Estabrooks
Field Engineer
Calvary Chapel of Twin Falls

Intermod Calculation Sheet

			Fundamental	First Harmonic	Second Harmonic	
Frequency A:	88.3	1.0 dB	88.3	176.6	264.9	K207DJ
Frequency B:	91.7	1.0 dB	91.7	183.4	275.1	K219LN

Note: Frequency B should be the greater of the two.

Second Order Products

	3.4	N		1.2	N
	180	N		87.9	N
	176.6	N		91.5	N
	183.4		-90	178.2	N
Third Order Products	95.1	N		179.4	N
	84.9	N		180.6	N
	271.7	N		267.3	N
	268.3	N		268.5	N
	264.9	N		269.7	N
	275.1	N		270.9	N
	446.5		-88		
	810.8		-92		
	813.3		-88		
	815.7		-90		
	818.1		-92		

+

BK Precision Spectrum Analyzer -40dB port on watt meter.
88-108 Band reject filter used to check frequencies outside of FM band

KERNVILLE TEST COMPLETED 5/12/11 BY JEREMY ESTABROOKS