

February 25, 2014

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).

K212FS and K217GE Kihei, HI

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, Inc.

Intermod Calculation Sheet

			Fundamental	First Harmonic	Second Harmonic	
Frequency A:	90.3	1.8	90.3	180.6	270.9	
Frequency B:	91.3	1.8	91.3	182.6	273.9	

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

Second Order Products					
	1	N		1.2	N
	181.6	N		87.9	N
	180.6	-88		91.5	N
	182.6	-90		178.2	N
Third Order Products	92.3	-54		179.4	N
	89.3	-55		180.6	-88
	272.9	N		267.3	N
	271.9	N		268.5	N
	270.9	-90		269.7	N
	273.9	-71		270.9	-90

USB-SA44B Spectrum Analyzer -40dB port on watt meter.
88-108 Band reject filter used to check frequencies outside of FM BROADCAST band