

K233BU & K247CS Spurious Measurements

(Revised 10-6-03)

Located at: **Bryan, TX**

	<u>Subject Frequency (Mhz)</u>			<u>TPO</u>	<u>Transmitter</u>	<u>Notch Attenuation</u>	<u>Unmodulated Carrier Level (dB)</u>
	<u>Class</u>	<u>Call</u>	<u>Freq</u>	<u>KW</u>	<u>Model and serial</u>	<u>(dB)</u>	<u>"UCL" (dB)</u>
F1		K233BU	94.5	0.85	Nautel VS 1	67.0	-25.0
F2		K247CS	97.3	0.86	Nautel VS 1	63	-26

Frequency Combination (Mhz)	Calculated Spur (Mhz)	Measured Spur Level (dB)	Main Carrier Ref (Mhz)	dB down (UCL - Measured Spur)
2F1-F2	91.7	-94.0	F1	69.0
2F2-F1	100.1	-94.0	F1	69.0
2F1-F2	91.7	-94.0	F2	68.0
2F2-F1	100.1	-94.0	F2	68.0

Noise Floor (dB) -94

The signals were sampled at the output of the antenna combiner system at its nominal RF output. The measurements were made using an Agilent N9340B Spectrum Analyzer, Ser CN03480818 calibrated 10/21/2008. Each fundamental frequency was attenuated using Microwave Filter Company model 6367 cavity notch filters tuned to each fundamental. Measured intermodulation products of the shared antenna system were at least 80 dB below the unmodulated carriers of the two stations.

Based on these measurements it is believed the stations are in compliance with 73.317 of the Commission's rules.

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