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Qualifications of Engineer taking measurements

Bruce V. Faulkner, States;

That he has been employed as a Radio Broadcast Engineer and later as a Contract Broadcast Engineer continually since June of 1982. That for two years previous to becoming a Broadcast Engineer he worked in the Land Mobile Industry as a Radio Technician after attaining his Communications Electronics Degree from the Los Angeles Technical Institute in 1980. That he has previously made successful applications to the Commission.

That he was issued and has held a Second Class Radio Telephone License from December 1979 until April 1980 at which time he upgraded it to a First Class Radio Telephone License (P1-11-58846) until it was replaced in 1984 with the current General Radio Telephone License (PG-15-5028).

Respectfully Submitted,

Bruce Faulkner

Bruce Faulkner
License No. PG-15-5028

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Methodology

Thursday, July 19, 2001

The following measurements were taken by myself and are true and accurate to the best of my knowledge.

The impedance of KYLT's tower was measured on July 15th 2001 using a Delta Electronics OIB-3 Operating Impedance Bridge and a Kenwood TS-430 RF generator. The RF generator was connected to the input of KYLT's ATU and the OIB-3 was inserted at the KYLT common point.

The RF Generator was adjusted to KYLT's operating frequency of 1340 kHz and the Resistance and Reactance knobs were adjust for a null of the OIB-3 and their indication noted. This procedure was repeated in five kilohertz increments for an additional six points below and above the operating frequency for a total of thirteen measurements.

Respectfully submitted;

Bruce Faulkner

Bruce Faulkner
PG-15-5028

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KYLT Impedance Readings

July 15, 2001 Testing From 12:25 PM To 1:35 PM

	Frequency	Reading
	1310 KHz	139.0 Ohms -J 194.5
	1315 KHz	129.1 Ohms -J 191.5
	1320 KHz	124.8 Ohms -J 188.5
	1325 KHz	121.6 Ohms -J 184.5
	1330 KHz	116.9 Ohms -J 182.0
	1335 KHz	114.9 Ohms -J 179.0
Fo	**1340 KHz**	**111.0 Ohms -J 173.0**
	1345 KHz	105.9 Ohms -J 174.0
	1350 KHz	104.0 Ohms -J 169.0
	1355 KHz	100.0 Ohms -J 167.0
	1360 KHz	99.0 Ohms -J 163.5
	1365 KHz	97.5 Ohms -J 161.0
	1370 KHz	93.0 Ohms -J 158.0

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KYLT Common Point Impedance