BC-208 CP. FILE NO. BP-20,097 FILE NO. BL-810915AD
June 1980
SPECS. FOR DIRECTIONAL OPERATION OF KGEZ, Kalispell, Montana
FREQ: 600 kHz Nominal Power: 1 kW, 5 kW-LS, DA-2, U
Antenna Input Power: 1080 Watts night
5400 watts day
Date:
DA- 2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
No. and Type of Elements: Two (2) guyed, uniform cross-section, insulated towers. RMS TH = 392.3 mV/m RMS STD = 412.1 mV/m

Height above Insulators: 319' (70°) both towers same height

Overall Height: 324'

Spacing and Orientation: Towers spaced 1002' (220°) on a line bearing 240° T.

Non-Directional Antenna: None authorized.

Ground System consists of 180 radials each tower of copper wire 500' long buried 6" copper strip between towers.

2. THEORETICAL SPECIFICATIONS

	TOWER	NE(#1)	SW(#2)
Phasing:	Night	0°	21°
	Day	0°	23°
Field Ratio:	Night	1.0	1.0
	Day	1.0	0.6

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	22°
	Day	0°	26°
Antenna Base Current Ratio:	Night	1.00	1.02
	Day	1.00	1.60
Antenna Monitor Sample Current Ratio:	Night	1.00	1.00
	Day	1.00	1.61

* As indicated by Potomac Instrument AM-19 (204)

The field strength in mV/m measured at the described monitoring points is not to exceed the following values:

Daytime Operation

36° true = 37.4 mV/m
84° true = 77 mV/m
196° true = 67 mV/m
283° true = 25.8 mV/m