

**TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
FM CONSTRUCTION PERMIT**

**KCHQ (FM)
FCC FACILITY ID: 87925**

**TED W. AUSTIN, JR.
DRIGGS, IDAHO
CH 271C1 15.0 KW 606 M HAAT**

FEBRUARY 2003

SEPARATION STUDY - CHANNEL SPACING STUDY - PROPOSED SITE

FCC DB Date : 02/13/03

Channel 271C1 (102.1 MHz)	Coordinates : 43-42-42 111-20-57	
Call City	Channel	ERP(kW)
Status State FCC File No. Freq. HAAT(m)	Latitude	Bearing Dist. Req.
	Longitude	deg-Tru (km) (km)
KCVI	BLACKFOOT	268C
LIC	ID BLH940818KE	101.5
		100.
		461.0
		43-30-03
		112-39-43
		257.9
		108.56
		105
		3.56
		CLOSE
**KBMC	BOZEMAN	271C2
LIC	MT BLED940223KA	102.1
		20.5
		222.0
		45-38-18
		111-16-05
		1.7
		214.20
		224
		-9.80
		SHORT
KMGI	POCATELLO	273C
LIC	ID BLH871216KF	102.5
		100.
		312.0
		42-51-57
		112-30-46
		225.4
		133.24
		105
		28.24
		CLEAR

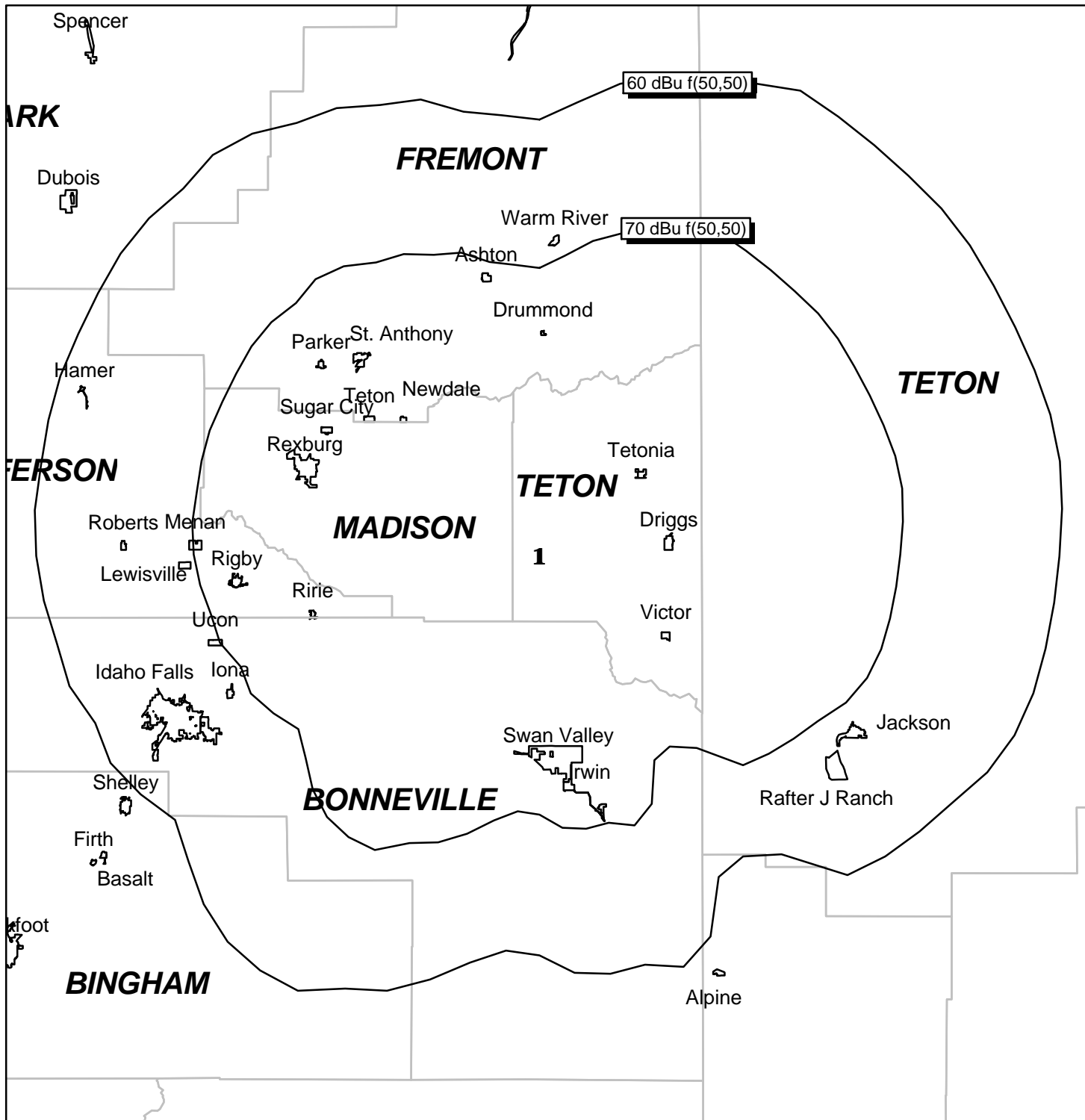
** End of separation study for channel 271C1 **

** 47 C.F.R. §73.215 OPERATION IS PROPOSED TO THIS STATION. MINIMUM §73.215 DISTANCE BETWEEN CLASS C1 AND C2 IS 211 KILOMETERS. PROPOSED SPACING IS 214.2 KILOMETERS.

SEPARATION STUDY - CHANNEL SPACING STUDY - ALLOCATION SITE

Channel 271C1 (102.1 MHz)	Coordinates : 43-35-34 111-04-55	
Call City	Channel	ERP(kW)
Status State FCC File No. Freq. HAAT(m)	Latitude	Bearing Dist. Req.
	Longitude	deg-Tru (km) (km)
KCVI	BLACKFOOT	268C
LIC	ID BLH940818E	101.5
		100.
		461.0
		43-30-03
		112-39-43
		266.0
		128.11
		105
		23.11
		CLEAR
KBMC	BOZEMAN	271C2
LIC	MT BLED940223A	102.1
		20.5
		222.0
		45-38-18
		111-16-05
		356.4
		227.79
		224
		3.79
		CLOSE
KMGI	POCATELLO	273C
LIC	ID BLH871216F	102.5
		100.
		312.0
		42-51-57
		112-30-46
		235.6
		141.55
		105
		36.55
		CLEAR

** End of separation study for channel 271C1 **

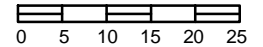


KCHQ Channel 271C1

Predicted Coverage Contours

Driggs, Idaho

Kilometers



Map Scale: 1: 850,000

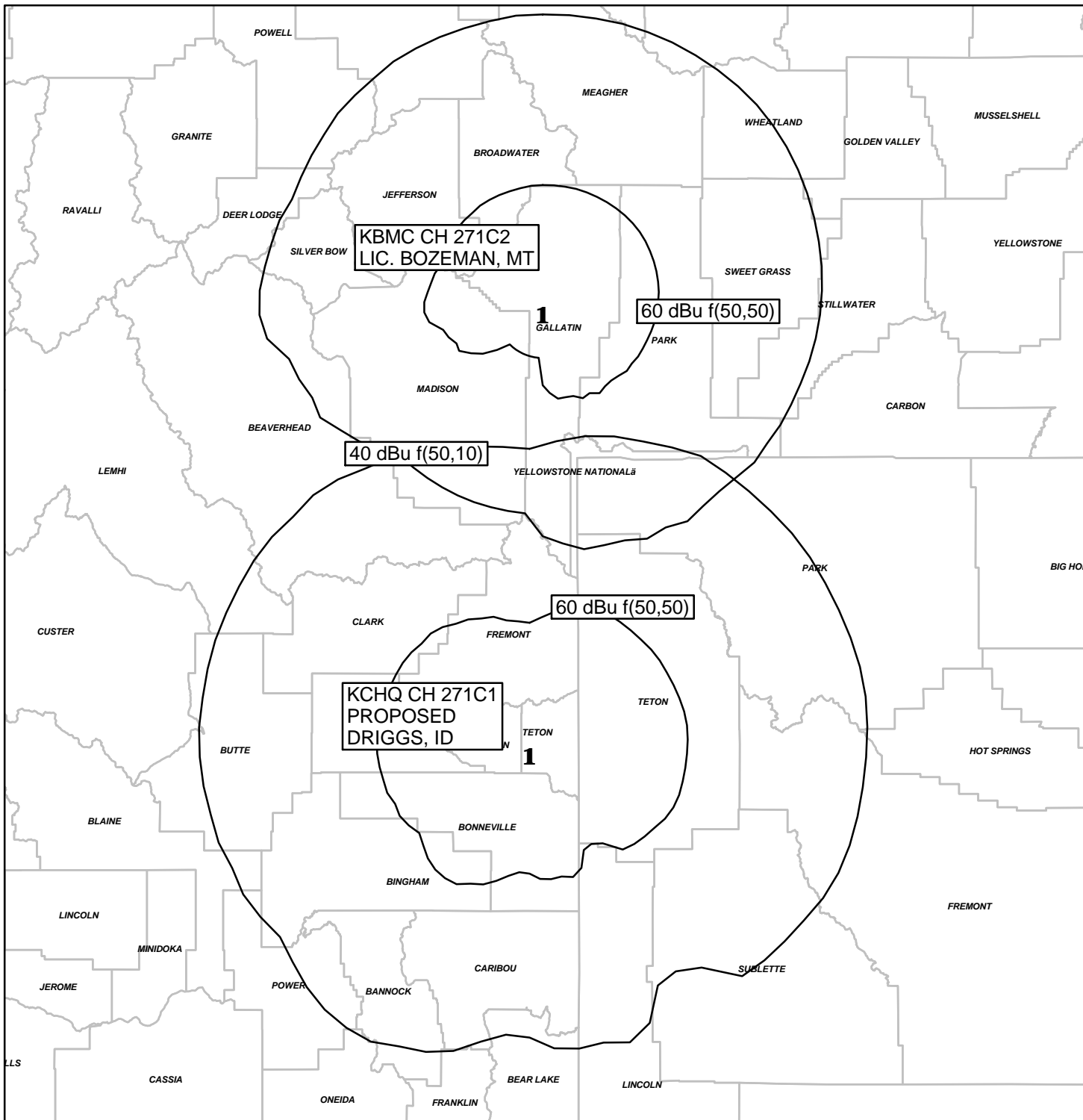
Map Source:
U.S.G.S. Digital Line Graph - 100K Series
Dept. of Commerce - TigerLine 2000 Digital Data

Map Legend - Exhibit E-5

70 & 60 dBu Contours

1 Transmitter Site

*T.Z. Sawyer Technical Consultants
Bethesda, Maryland, U.S.A.*

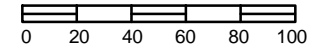


KCHQ Channel 271C1

Protected/Interference Contours

73.215 Study - Driggs, Idaho

Kilometers



Map Scale: 1: 850,000

Map Source:
U.S.G.S. Digital Line Graph - 100K Series
Dept. of Commerce - TigerLine 2000 Digital Data

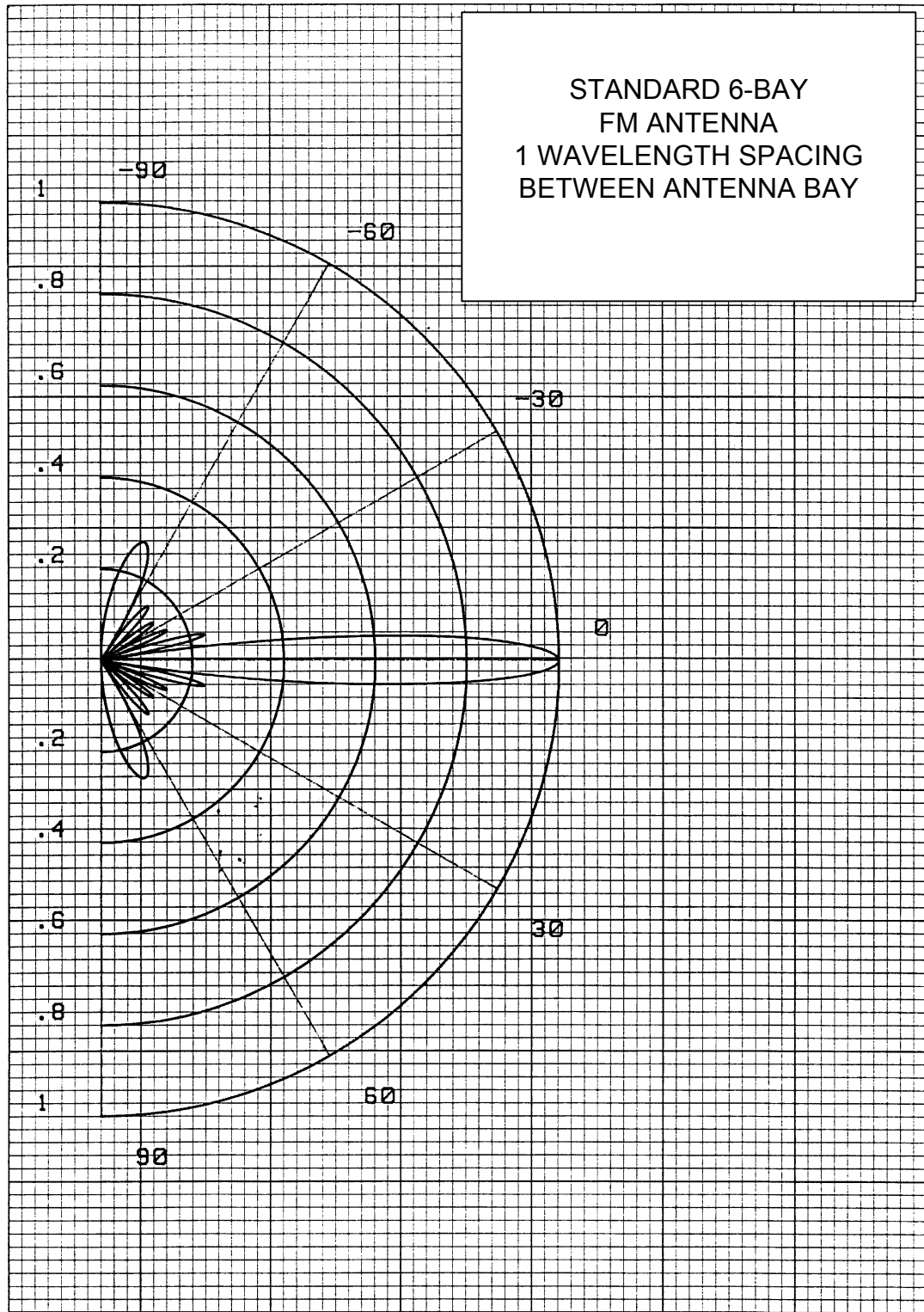
Map Legend - Exhibit E-6

☐ Protected & Interference Contours

1 Transmitter Sites

46 0700

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



***T.Z. Sawyer Technical
Consultants***

**VERTICAL RADIATION PATTERN
STANDARD 6 BAY FM ANTENNA**

**KCHQ(FM)
DRIGGS, IDAHO**

**Exhibit
E-7**

BETHESDA, MARYLAND 20816 U.S.A

SIZE
A

FSCM NO
N/A

DWG NO
TWA20030213E7

REV

(c) 2003, ALL RIGHTS RESERVED

SCALE
N/A

FEBRUARY 2003

SHEET

1 OF 1