



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR A
MINOR MODIFICATION OF LICENSE,
FILE NUMBER 0000017402,
TO SUBSTITUTE A NEW NON-DIRECTIONAL ANTENNA
FOR ITS AUTHORIZED NON-DIRECTIONAL ANTENNA
KISU-TV - POCA TELLO, IDAHO
CH. 17 - 172 kW - 465 meters HAAT**

Prepared for: STATE BOARD OF EDUCATION, STATE OF IDAHO

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, No. 7418, and in New York State, No. 63418.

GENERAL

This office has been authorized by STATE BOARD OF EDUCATION, STATE OF IDAHO, licensee of KISU-TV, channel 17, licensed to Pocatello, Idaho, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for a minor modification of its license, file number 0000017402. KISU-TV is a two site Distributed Transmission System. Site 1 is the primary site while site 2 operates using a directional antenna with an ERP of 0.13 kW. The proposed modification affects only site 1 and proposes the substitution of a new Jampro model JA/AS-32/17 SEO non-directional antenna in lieu of its authorized antenna, a non-directional Dielectric model TFU-32DSB-B. The antenna Height Above Average Terrain and the Effective Radiated Power will remain the same at 465 meters and 172 kW. The horizontal azimuth radiation patterns for both its horizontally and vertically polarized components and its vertical

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elevation pattern, showing its radiation characteristics above and below the horizontal plane are shown and tabulated in the antenna exhibit.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours are based on site 1 and were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the NED Three Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. The map exhibit shows the predicted Noise Limited (39.04 dBu) contour, and the principal community (48 dBu) contour which completely encompasses the principal community of license, Pocatello, Idaho.

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, *tvstudy* v2.2.5, to determine that the instant proposal is predicted to cause no new prohibited interference to DTV stations, construction permits or DTV allotments. The study results confirm no new interference is predicted to more than 0.5% to the populations served by any full-power DTV station, construction permit or allotment. See Appendix B.

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 kilometers of KISU-TV's site 1. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT, SAFETY & STATEMENT OF COMPLIANCE

The licensee of KISU-TV is committed to the protection of station personnel and/or tower contractors working in the vicinity of its antennas and will reduce power or cease operation, when necessary, to ensure protection to personnel. As shown in Appendix A the KISU-TV channel 17 facility as proposed herein will operate with a maximum ERP of 172 kW from an elliptically polarized non-directional transmitting antenna with a centerline height of 40.39 meters above ground level (AGL). Considering the elevation pattern submitted elsewhere herein, the vertical plane relative field factor is less than 0.100 at all depression angles greater than 10 degrees. The proposed KISU-TV channel 17 facility is predicted to produce a worst-case power density at two meters above ground level, at 17.9 meters from the tower base, of $15.845 \mu\text{W}/\text{cm}^2$, which is 4.84% of the FCC guideline value of $327.33 \mu\text{W}/\text{cm}^2$ for an "uncontrolled" environment, and 0.968% of the FCC's guideline value for "controlled" environments. Therefore, pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limits, the proposal's power density contribution is considered insignificant. Further, the Applicant will continue to cooperate/coordinate with other site

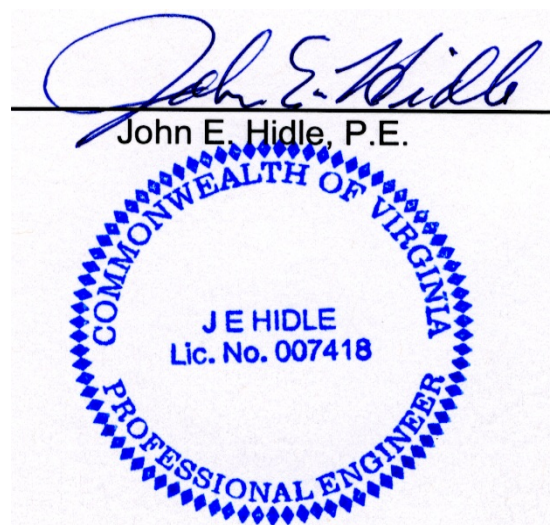
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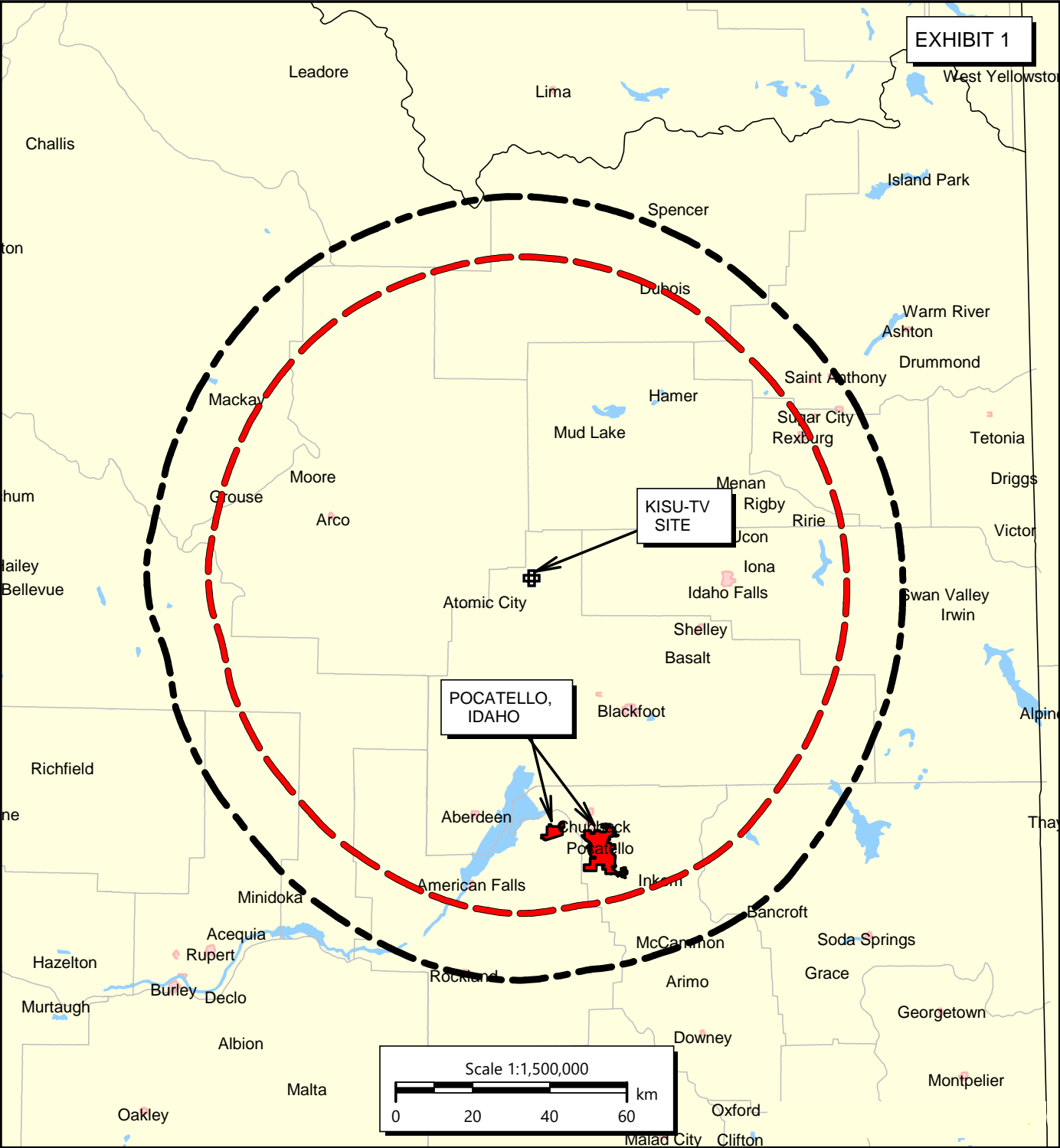
users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

SUMMARY

It is submitted that the instant application for a minor modification of KISU-TV's channel 17 DTS license, file number 0000017402, to substitute a different non-directional elliptically polarized antenna for its authorized antenna at site 1, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement was prepared by me, or under my direct supervision, and its contents are believed to be true and correct to the best of my knowledge and belief.

DATED: March 29, 2024





PREDICTED COVERAGE CONTOURS

KISU-TV - POCATELLO, IDAHO
DTV Channel 17 - 172 kW ERP - 465 M HAAT
MARCH, 2024



Predicted Noise Limited 39.04 dBu
F(50,90) Coverage Contour



Predicted Principal Community 48 dBu
F(50,90) Coverage Contour





KISU(DT)

Channel: D17

Omni-Directional

Elliptical Polarization (75H / 25V)



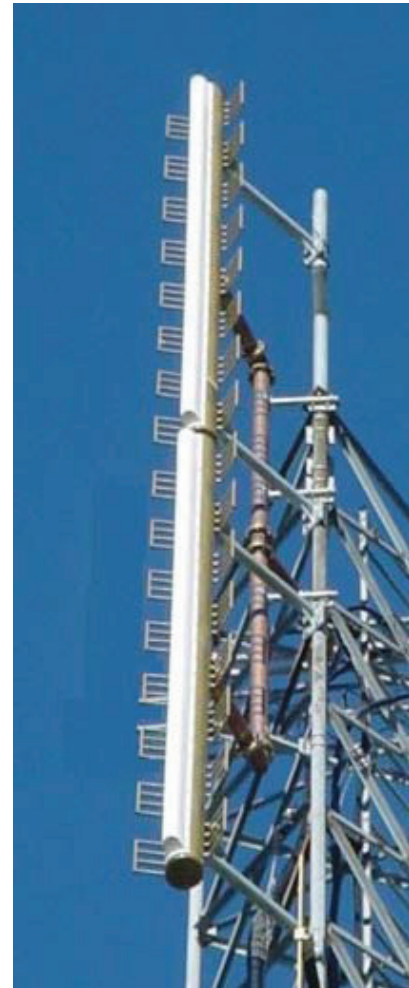
PROSTAR SERIES UHF SLOT ANTENNA

True and Tested Prostar Slot antenna available for Analog & Digital applications.

Years of Proven Performance

Provides a compact solution that conserves tower space and minimizes tower loading.

- Horizontal, Elliptical, Circular Polarization available
- Partial radome for low windloading & full radomes available
- Broadband option available
- Constructed of high strength aluminum and GRP radome
- 5 standard catalog patterns
- Custom azimuth patterns available

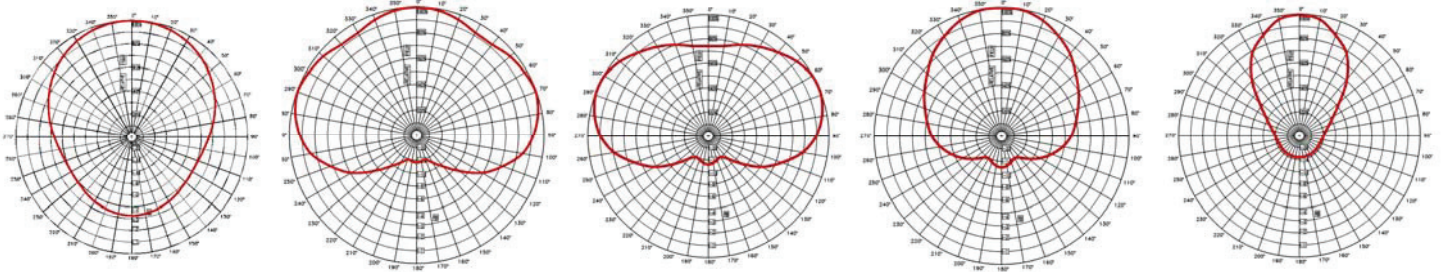


TYPICAL SPECIFICATIONS

Polarization	HPOL, CPOL, EPOL
Power Rating	Up to 30 kW average
Input Impedance	50 ohm
VSWR	1.1:1 or better



JA-AS



TYPICAL SPECIFICATIONS						Contact Factory	Height	Weight	Windloads
# BAYS	Omni	Cardioid	Peanut	Medium-Cardioid	Lobe				
8	*8.0x	13.1x	15.2x	20.4x	35.2x				
	*9.0 dBd	11.1 dBd	11.8 dBd	13.1 dBd	15.5 dBd				
	14.1x								
	11.5 dBd								
12	*12.0x	19.6x	22.9x	30.6x	52.9x				
	*10.8 dBd	12.9 dBd	13.6 dBd	14.8 dBd	17.2 dBd				
	21.49x								
	13.32 dBd								
16	*16.0x	26.2x	30.5x	40.8x	70.5x				
	*12.0 dBd	14.1 dBd	14.8 dBd	16.1 dBd	18.5 dBd				
	28.2x								
	14.5 dBd								
24	*24.0x	39.3x	45.8x	61.2x	105.8x				
	*13.8 dBd	15.9 dBd	16.6 dBd	17.8 dBd	20.2 dBd				
	42.86x								
	16.32 dBd								
32	*32.0x	52.4x	61.1x	81.6x	141.1x				
	*15.05 dBd	17.1 dBd	17.8 dBd	19.1 dBd	21.4 dBd				
	54.28x								
	17.35 dBd								

*Value provides average/RMS gain; All other stated gains are Peak gains. Gains do not include losses for feed system , beam tilt, or null full.

NOTE:

1. Loading data are for side mount antennas.
2. All inputs EIA flange, female, 50 ohms
3. Partial Radome standard, Full Radome available. Specifications upon request

4. Power and dB gains are typical RMS gains for Omni-directional, horizontal and vertical components.

OPTIONS:

Pattern Measurement Service, Electrical Beam Tilt, Null Fill, Special Mounting Brackets.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, JAMPRO ANTENNAS, INC. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. For reduced low angle radiation near the tower, a low RFR model of this antenna is available. Contact the factory for pricing data and further details.

*All specifications are subject to change without notice.



TV ANTENNA SPECIFICATIONS

<u>CUSTOMER:</u>	Idaho Public TV / KISU(DT)
<u>CHANNEL:</u>	17 (488 – 494 MHz)
<u>ANTENNA DESCRIPTION:</u>	Side-mounted, Prostar UHF Slot Antenna, Elliptical Polarization
<u>ANTENNA TYPE:</u>	JA/AS-32 / 17 SEO

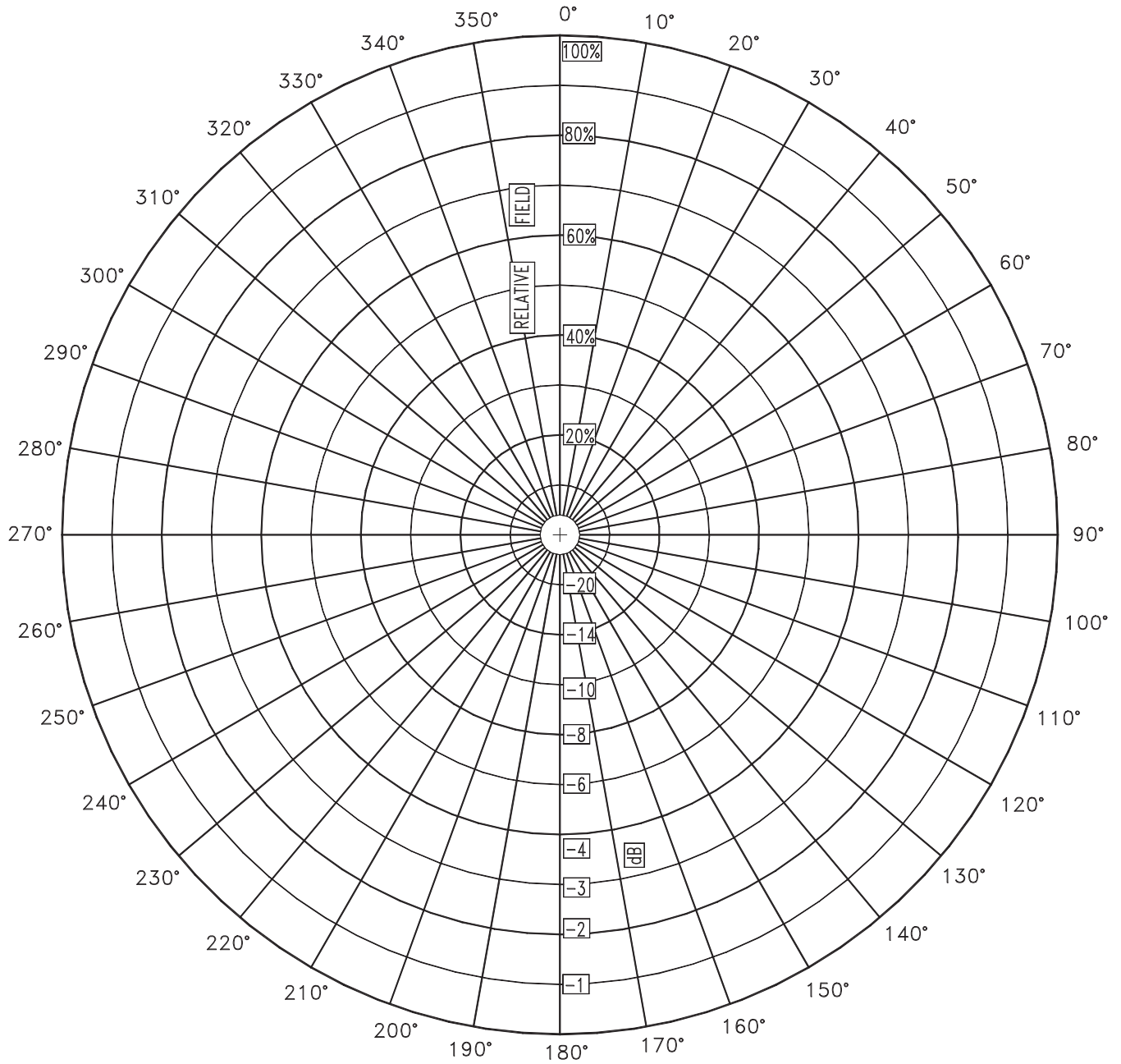
ELECTRICAL SPECIFICATIONS

RMS gain:	24x / 13.8 dBd (H-Pol) 8x / 9.03 dBd (V-Pol)
Elliptical split:	75 / 25 (Horizontal / Vertical)
Array data:	32 bays
Electrical beam tilt:	-1°
Null fill:	20%
Antenna VSWR:	1.1:1
Max. input power rating	10 kW
Antenna input impedance:	50 ohm

MECHANICAL SPECIFICATIONS

Overall height of antenna, est:	To be provided
Antenna net weight, est:	To be provided
Effective projected area (EPA), est:	To be provided
Antenna input connector size, EIA:	3-1/8"

NOTE: THESE SPECIFICATIONS ARE PREDICTIONS BASED ON AVAILABLE DATA. THE ACTUAL PERFORMANCE MAY DIFFER FROM THESE DUE TO THE ELECTRICAL, MECHANICAL AND MEASURED LIMITATIONS AT YOUR FREQUENCIES.



Customer: Idaho Public TV
Channel: 17
Site: KISU(DT)

Model: JA/AS-32 / 17 SEO
Description: UHF Slot Antenna
Notes: Elliptically Polarized

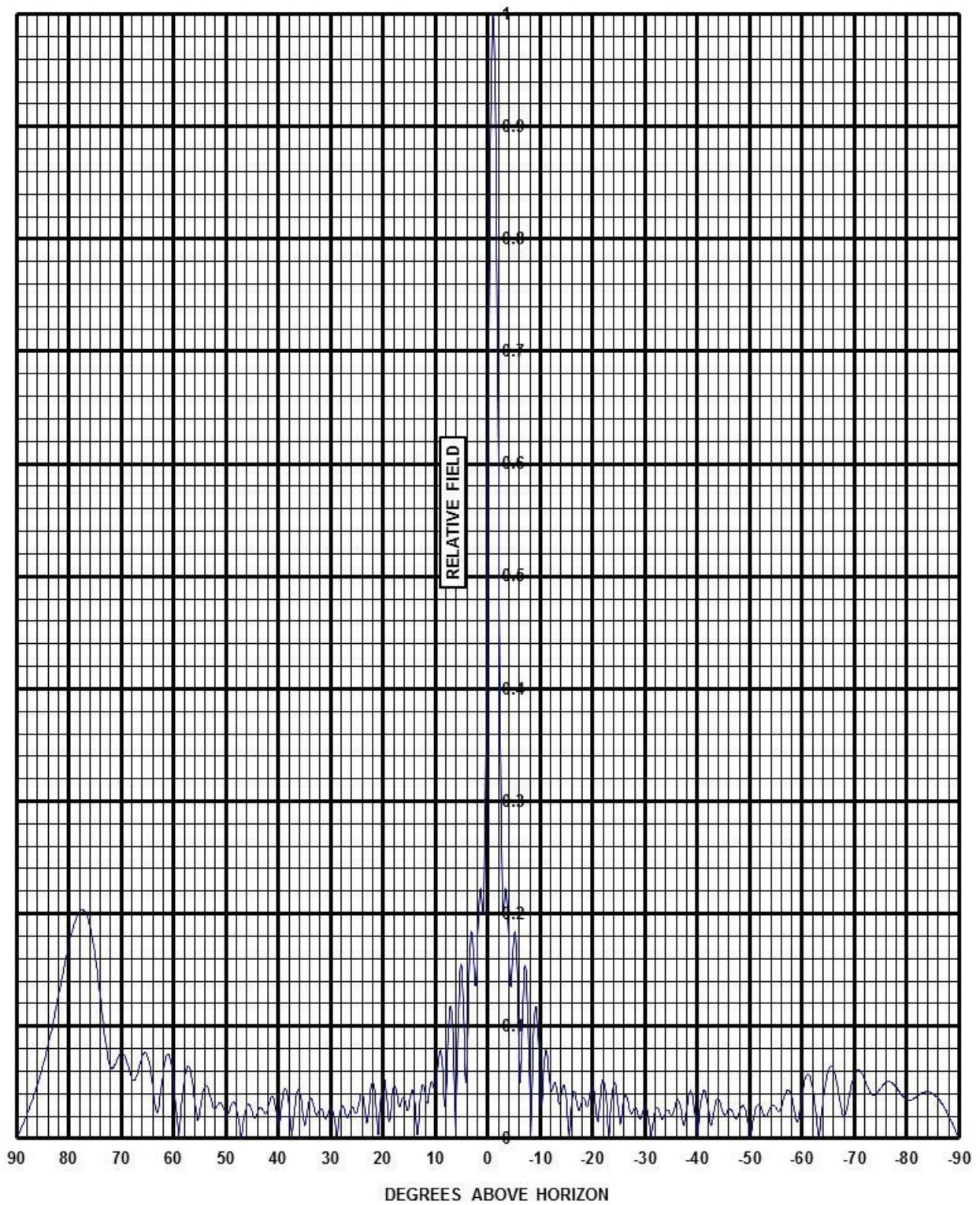


Azimuth Pattern Tabulation

<u>AZIMUTH</u>	<u>FIELD</u>	<u>dB</u>
0	1.00	0.0
10	1.00	0.0
20	1.00	0.0
30	1.00	0.0
40	1.00	0.0
50	1.00	0.0
60	1.00	0.0
70	1.00	0.0
80	1.00	0.0
90	1.00	0.0
100	1.00	0.0
110	1.00	0.0
120	1.00	0.0
130	1.00	0.0
140	1.00	0.0
150	1.00	0.0
160	1.00	0.0
170	1.00	0.0
180	1.00	0.0
190	1.00	0.0
200	1.00	0.0
210	1.00	0.0
220	1.00	0.0
230	1.00	0.0
240	1.00	0.0
250	1.00	0.0
260	1.00	0.0
270	1.00	0.0
280	1.00	0.0
290	1.00	0.0
300	1.00	0.0
310	1.00	0.0
320	1.00	0.0
330	1.00	0.0
340	1.00	0.0
350	1.00	0.0

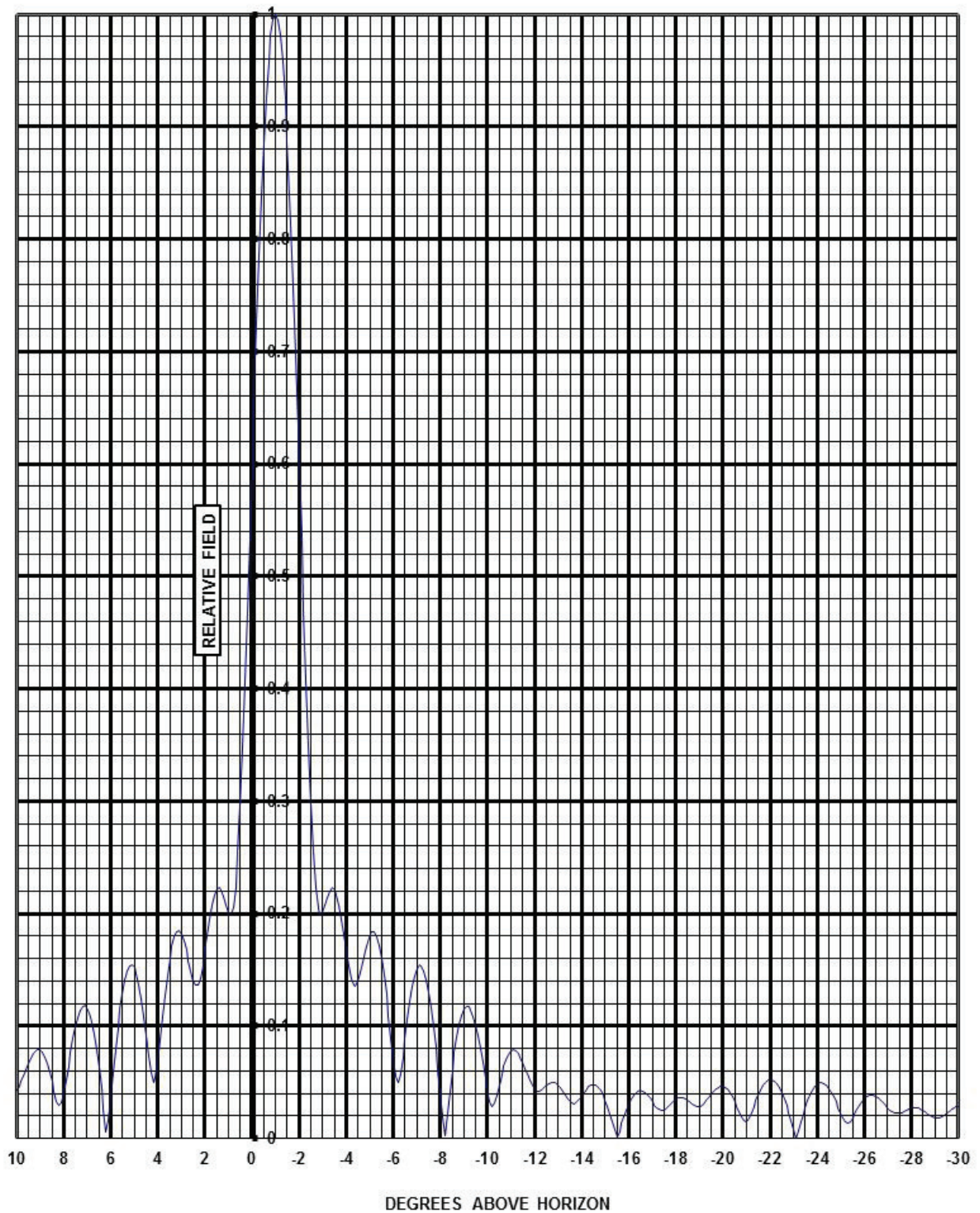
Customer: Idaho Public TV
Channel: 17
Site: KISU(DT)

Model: JA/AS-32 / 17 SEO
Description: UHF Slot Antenna
Notes: Elliptically Polarized



Customer: Idaho Public TV
Site: KISU(DT)
Channel: 17

Model: JA/AS-32/17 SEO
Description: UHF Slot Antenna
-1° Beam Tilt, 20% Null Fill



Customer: Idaho Public TV
Site: KISU(DT)
Channel: 17

Model: JA/AS-32/17 SEO
Description: UHF Slot Antenna
-1° Beam Tilt, 20% Null Fill



Elevation Pattern Tabulation

RELATIVE FIELD VS ELEVATION ANGLE

<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>
10	0.044	-26	0.035	-61	0.057
9	0.079	-27	0.027	-62	0.045
8	0.040	-28	0.027	-63	0.008
7	0.116	-29	0.018	-64	0.034
6	0.037	-30	0.029	-65	0.061
5	0.152	-31	0.006	-66	0.061
4	0.069	-32	0.026	-67	0.040
3	0.182	-33	0.019	-68	0.019
2	0.166	-34	0.024	-69	0.038
1	0.201	-35	0.021	-70	0.057
0	0.600	-36	0.033	-71	0.060
-1	1.000	-37	0.022	-72	0.052
-2	0.600	-38	0.029	-73	0.041
-3	0.201	-39	0.040	-74	0.039
-4	0.167	-40	0.001	-75	0.045
-5	0.181	-41	0.041	-76	0.050
-6	0.070	-42	0.029	-77	0.050
-7	0.151	-43	0.020	-78	0.045
-8	0.040	-44	0.036	-79	0.039
-9	0.115	-45	0.022	-80	0.035
-10	0.043	-46	0.026	-81	0.035
-11	0.078	-47	0.020	-82	0.038
-12	0.044	-48	0.024	-83	0.041
-13	0.048	-49	0.027	-84	0.042
-14	0.038	-50	0.004	-85	0.040
-15	0.034	-51	0.024	-86	0.035
-16	0.031	-52	0.029	-87	0.029
-17	0.033	-53	0.019	-88	0.020
-18	0.035	-54	0.028	-89	0.010
-19	0.028	-55	0.027	-90	0.000
-20	0.046	-56	0.027		
-21	0.015	-57	0.042		
-22	0.053	-58	0.037		
-23	0.008	-59	0.015		
-24	0.048	-60	0.039		
-25	0.022				

Customer: Idaho Public TV
 Site: KISU(DT)
 Channel: 17

Model: JA/AS-32/17 SEO
 Description: UHF Slot Antenna
 -1° Beam Tilt, 20% Null Fill



Tel: (916)383-1177

6340 Sky Creek Dr.,
FAX (916) 383-1182

Sacramento, CA 95828
Web www.Jampro.com

System Gain-Loss Calculator Summary Sheet:

Description	Values*	
Frequency		491.0 MHz
Effective Radiated Power	22.36 dBk	172.00 kW
Antenna Gain	13.80 dBd	24.00 Times
Required Antenna Input Power	8.55 dBk	7.17 kW
Coax System Length	155.0 feet	47.2 Meters
Coax Loss Per 100 Feet	0.205 dB	
Total Coax Losses	0.32 dB	0.55 kW
Coax Efficiency:	92.94 %	
Combiner Losses	0.00 dB	0.00 kW
Other Losses	0.00 dB	0.00 kW
Total System Losses	0.32 dB	0.55 kW
Required Transmitter Output	= 8.87 dBk	7.71 kW

Company Name: **KISU (DT)**
Info Line: **JA/MS-32 / 17 SEO**
Coax Type: **3" Rigid Line**
Date: **30-Jan-24**

Note: *Values are rounded to two places. Information is provide as an estimate only. Jampro accepts no responsibility for accuracy. Please verify these figures with your consulting engineer.

KISU(TV) 17 Pocatello, ID - Distributed Transmission System

- REF (17)
- KISU-TV1 (17)
- KISU-TV2 (17)

REF - 491.0 MHz
CH172E - FACID:62430
Pocatello, ID
File:BLEDT-20030131AHZ
State Board Of Education, Sta
Lat: 43-30-03.60 N
Long: 112-39-43.90 W
ERP: 189.00 kW HAAT: 451.1
RCAMSL: 2017.8 m

KISU-TV1 - 491.0 MHz
CH172E - FACID:62430
Pocatello, ID
File:0000017402
State Board Of Education, Sta
Lat: 43-30-04.20 N
Long: 112-39-44.50 W
ERP: 172.00 kW HAAT: 464.78
RCAMSL: 2032.39 m

KISU-TV2 - 491.0 MHz
CH172E - FACID:62430
Pocatello, ID
File:0000017402
State Board Of Education, Sta
Lat: 42-52-00.40 N
Long: 112-30-51 W
ERP: 0.13 kW HAAT: 281.0
RCAMSL: 1794.1 m



39.04 dBu

39.04

39.04 dBu

Polygon Set Population Report
Area outside of 103 km
2020 US Census

Total Population: 335
Housing Units: 152
Total Area: 65.2 sq. km

Scale 1:1,500,000



KISU-TV

Channel 17 - Pocatello, Idaho

ERP = 172000.00 WATTS

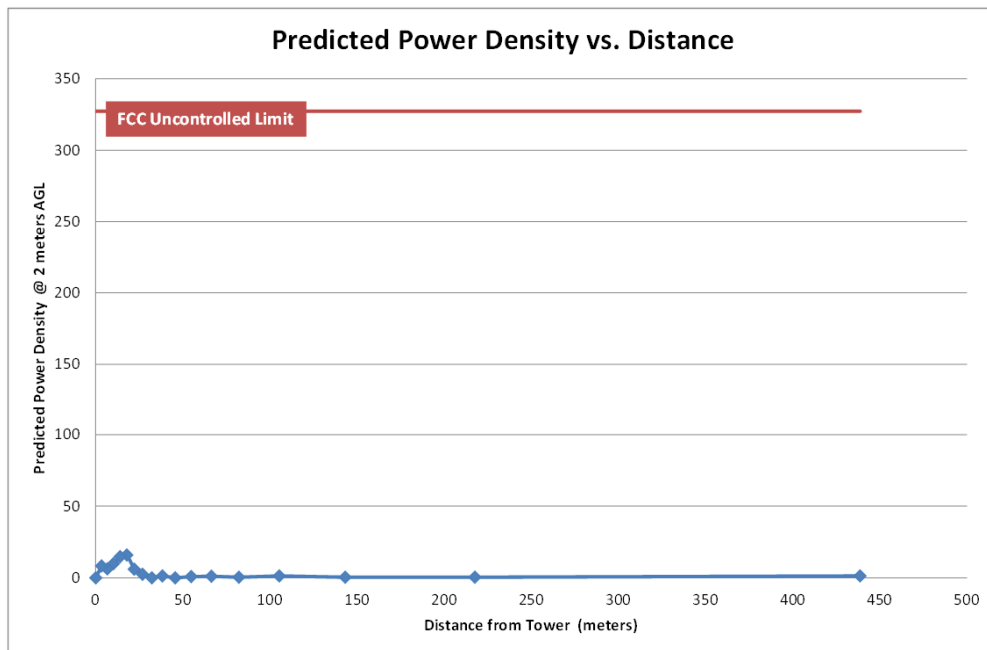
APPENDIX A

Maximum ERP 172 kW

Polarization ----- 1.33 Elliptical
Antenna Height Above Ground -- 40.39 meters 132.5 feet
FCC Uncontrolled RFR Limit ---- 327.33 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 15.845 $\mu\text{W}/\text{cm}^2$
4.84% of limit

Angle Below Horizontal (degrees)	<Point X> Horiz Distance from tower to 2 m AGL (meters)	Slant Distance from antenna to Point X (meters)	Vertical Pattern (REL. FIELD)	KISU-TV ERP (kW)	KISU-TV Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
1			1.000	172.0000			
5	438.8	440.5	0.181	5.6349	1.290	0.39%	No
10	217.7	221.1	0.043	0.3180	0.289	0.09%	No
15	143.3	148.3	0.034	0.1988	0.401	0.12%	No
20	105.5	112.2	0.046	0.3640	1.283	0.39%	No
25	82.3	90.8	0.022	0.0832	0.448	0.14%	No
30	66.5	76.8	0.029	0.1447	1.090	0.33%	No
35	54.8	66.9	0.021	0.0759	0.752	0.23%	No
40	45.8	59.7	0.001	0.0002	0.002	0.00%	No
45	38.4	54.3	0.022	0.0832	1.255	0.38%	No
50	32.2	50.1	0.004	0.0028	0.049	0.01%	No
55	26.9	46.9	0.027	0.1254	2.536	0.77%	No
60	22.2	44.3	0.039	0.2616	5.914	1.81%	No
65	17.9	42.4	0.061	0.6400	15.845	4.84%	No
70	14.0	40.9	0.057	0.5588	14.873	4.54%	No
75	10.3	39.7	0.045	0.3483	9.795	2.99%	No
80	6.8	39.0	0.035	0.2107	6.159	1.88%	No
85	3.4	38.5	0.040	0.2752	8.232	2.51%	No
90	0.0	38.4	0.000	0.0000	0.000	0.00%	No





KISU-TV - POCA TELLO, IDAHO **MARCH 2024** **APPENDIX B** **172 kW - Channel 17** **Longley-Rice Interference Analysis**

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: KISU 17 DTS BLANK0000017402, Model: Longley-Rice
 Start: 2024.03.06 13:44:11

Study created: 2024.03.06 13:44:11

Study build station data: LMS TV 2024-03-04 #491

Proposal: KISU-TV D17 DD LIC POCA TELLO, ID
 File number: BLANK0000017402
 Facility ID: 62430
 Station data: LMS TV 2024-03-04 #491
 Record ID: 25076f91571f5d140158076920f37057
 Country: U.S.
 Zone: II
 Ref. lat.: 43 30 4.20 N
 Ref. long.: 112 39 44.50 W
 # DTS sites: 2

Build options:
 Protect pre-transition records not on baseline channel

Search options:
 Non-U.S. records included
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	346.3 km
No	K17ED-D	D17	DC	CP	PAYETTE, ID	BLANK0000127573	346.3
Yes	KBYU-TV	D17	DT	LIC	PROVO, UT	BLANK0000064428	318.2
Yes	KIFI-TV	D18	DT	CP	IDAHO FALLS, ID	BLANK0000228040	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied, DTS site # 1:

Channel: D17
 Latitude: 43 30 4.20 N (NAD83)
 Longitude: 112 39 44.50 W
 Height AMSL: 2032.4 m
 HAAT: 464.8 m
 Peak ERP: 172 kW
 Antenna: Omnidirectional
 Elev Pattn: DIE-TFU-32DSB-B
 Elec Tilt: 1.00

39.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	172 kW	463.0 m	98.9 km
45.0	172	402.1	94.7

Appendix B - Interference Analysis **KISU-TV - Pocatello, Idaho** **Channel 17 -172 kW - Page 2**

90.0	172	426.2	96.2
135.0	172	486.4	100.9
180.0	172	524.7	104.0
225.0	172	465.7	99.1
270.0	172	474.3	99.8
315.0	172	475.5	99.9

Record parameters as studied, DTS site # 2:

Channel: D17
Latitude: 42 52 0.40 N (NAD83)
Longitude: 112 30 51.00 W
Height AMSL: 1794.1 m
HAAT: 281.0 m
Peak ERP: 0.130 kW
Antenna: SCA-4DR-8S (ID 20753) 110.0 deg
Elev Pattn: SCA-4DR-8S

39.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	431.3 m	5.6 km
45.0	0.010	337.4	31.9
90.0	0.109	215.2	39.4
135.0	0.097	165.9	36.0
180.0	0.003	-136.7	7.5
225.0	0.000	302.0	2.4
270.0	0.000	418.3	18.8
315.0	0.000	441.3	14.5

Database HAAT does not agree with computed HAAT
Database HAAT: 281 m Computed HAAT: 272 m

****DTS proposal has coverage outside reference facility and distance limit**

Distance to Canadian border: 611.0 km

Distance to Mexican border: 1144.3 km

Conditions at FCC monitoring station: Livermore CA
DTS site # 1 Bearing: 233.1 degrees Distance: 999.3 km
DTS site # 2 Bearing: 236.9 degrees Distance: 968.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
DTS site # 1 Bearing: 118.7 degrees Distance: 717.3 km
DTS site # 2 Bearing: 114.1 degrees Distance: 675.1 km

No land mobile station failures found

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000064428 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBYU-TV	D17	DT	LIC	PROVO, UT	BLANK0000064428	
Undesireds:	KISU-TV	D17	DD	BL	POCATELLO, ID	DTVBL62430	318.1 km
	KISU-TV	D17	DD	LIC	POCATELLO, ID	BLANK0000017402	318.2

Appendix B - Interference Analysis
KISU-TV - Pocatello, Idaho
Channel 17 -172 kW - Page 3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
53104.7 2,389,548	36976.9 2,209,060	36916.5 2,207,884	36896.2 2,207,884	0.05 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KISU-TV D17 DD BL	60.5 1,176	60.5 1,176		
KISU-TV D17 DD LIC	80.7 1,176		80.7 1,176	

Interference to BLANK0000228040 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KIFI-TV	D18	DT	CP	IDAHO FALLS, ID	BLANK0000228040	
Undesireds:	KISU-TV	D17	DD	BL	POCATELLO, ID	DTVBL62430	0.2 km
	KISU-TV	D17	DD	LIC	POCATELLO, ID	BLANK0000017402	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
30864.4 314,687	28603.7 311,387	28563.7 311,387	28603.7 311,387	-0.14 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
KISU-TV D17 DD BL	40.1 0	40.1 0		
KISU-TV D17 DD LIC	0.0 0		0.0 0	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KISU-TV	D17	DD	LIC	POCATELLO, ID	BLANK0000017402	
Undesireds:	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	346.3 km
	KBYU-TV	D17	DT	LIC	PROVO, UT	BLANK0000064428	318.2
	KIFI-TV	D18	DT	CP	IDAHO FALLS, ID	BLANK0000228040	0.0

Service area	Terrain-limited	IX-free	Percent IX
30873.6 311,827	27483.6 307,651	27391.8 307,594	0.33 0.02
Undesired	Total IX	Unique IX	Prcnt Unique IX
KBYU-TV D17 DT LIC	87.8 57	87.8 57	0.32 0.02
KIFI-TV D18 DT CP	4.0 0	4.0 0	0.01 0.00