

Non-Interference Compliance

Regarding Facility id 146559

Channel 278

Description of Exhibit 13 Contents

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.

Page 3 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km. The column labeled "Overlap" shows the area of contour overlap in square kilometers.

Page 4 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom-left corner (note: "Mt" refers to meters). The area of interference was calculated using the free space equation and 120 radials.

Page 5 of this exhibit is an aerial photo of the vicinity surrounding the proposed translator's tower site.

Note: The only structures within the zone of predicted interference are unoccupied communications buildings so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBμ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
205024	BLH19941220KB	KORR	60	60
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				60

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **60 dBμ**, this makes the proposed translator's worst-case interfering contour **100 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **232.6 m** from the transmit antenna.

The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population").

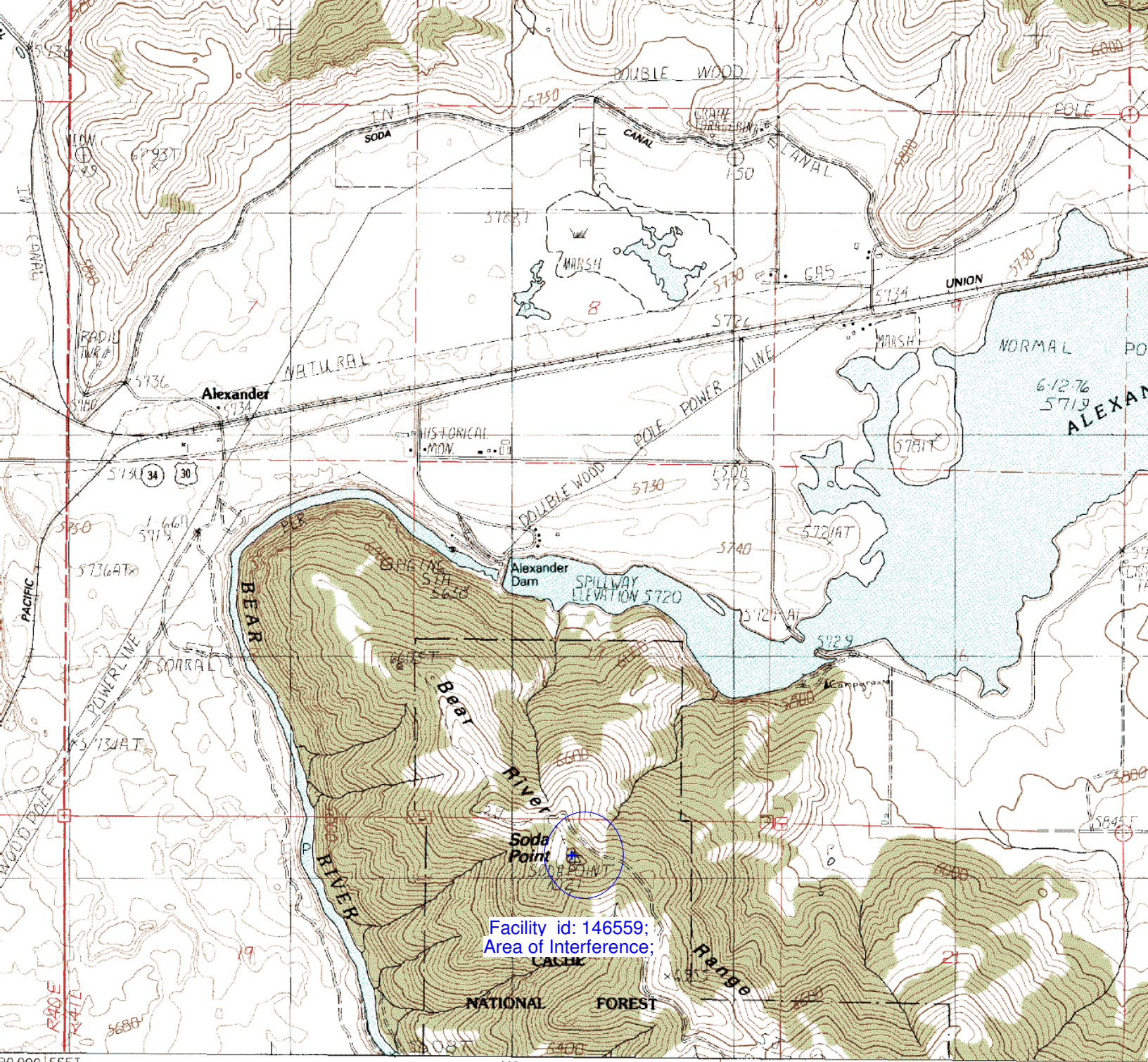
Note: The only structures within the zone of predicted interference are unoccupied communications buildings so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer: SCA
Antenna Model: FMV @ 90°
CORAGL: 6 m
Maximum ERP: 0.011 kW
Interfering Contour: 100 dBμ
Max Int. Contour Distance: 232.6 m

Adjacent Channel Study
For Station K278BY, Facility_id: 146559

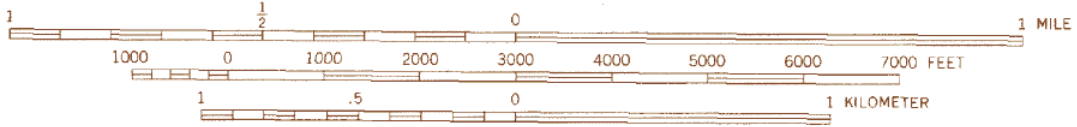
Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
205024	28256	BLH-19941220KB	KORR	IDAHO WIRELESS CORPORATIO	C1	AMERICAN FALLS	ID	LIC	56	1860	281	3	72.1	0.0221
1570761	153928	BNPFT-20130826ABI	K279CD	IDAHO WIRELESS CORPORATIO	D	LAVA HOT SPRING	ID	CP	0.023	1912	279	1	25.5	0
200967	4405	BLFT-19940714TF	K276DR	BEAR LAKE COUNTY T.V. DISTRI	D	MONTPELIER	ID	LIC	0.01	2178	276	2	37	0
1572099	151720	BNPFT-20130828AFI	K279CH	EDGEWATER BROADCASTING, II	D	POCATELLO	ID	CP	0.01	2084	279	1	62.2	0
984582	18118	BLFTB-20040428AAC	KFTZ-FM1	RIVERBEND COMMUNICATIONS,	D	POCATELLO	ID	LIC	2	1438	277	1	66.1	0
203496	56354	BLFT-19941024TB	K280EG	BRIGHAM YOUNG UNIVERSITY -	D	FREEDOM	WY	LIC	0.01	1962	280	2	66.5	0
215625	38925	BLFT-19951023TJ	K275AB	LOWER STAR VALLEY TV ASSOC	D	FREEDOM	WY	LIC	0.01	2720	275	3	70.5	0
1332104	152298	BLFT-20090909AAU	K275BL	IDAHO WIRELESS CORPORATIO	D	POCATELLO	ID	LIC	0.099	1844	275	3	72.1	0
198481	18116	BLH-19940420KB	KFTZ	RIVERBEND COMMUNICATIONS,	C1	IDAHO FALLS	ID	LIC	100	1801	277	1	83.9	0
1251187	157704	BLFT-20080619AKN	K277BD	FRANDSEN MEDIA COMPANY, LL	D	WESTON	ID	LIC	0.25	1725	277	1	85.2	0
1499527	38274	BLH-20121214ABK	KGNT	FRANDSEN MEDIA COMPANY, LL	A	SMITHFIELD	UT	LIC	6	1677	280	2	91.7	0
1357150	151715	BLFT-20100322ADJ	K279AU	SANDHILL MEDIA GROUP, LLC	D	IDAHO FALLS	ID	LIC	0.25	1706	279	1	102.3	0
1160673	88087	BLH-20060811AWF	KVRG	JACKSON RADIO GROUP, INC.	C3	VICTOR	ID	LIC	0.821	2644	279	1	112.6	0
1434775	157279	BLFT-20110624ACK	K275AV	SUN VALLEY RADIO, INC.	D	WELLSVILLE	UT	LIC	0.25	2183	275	3	122	0
1245681	87470	BPH-20070119AEV	KNYN	M. KENT FRANDSEN	C1	FORT BRIDGER	WY	CP	34	2625	280	2	156.4	0



20 000 FEET 42' 30" 443 444 445 40'

SCALE 1:24 000



CONTOUR INTERVAL 40 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check. 3

QUADRANGLE

1	2	3	1
2		4	2
3		5	3
4			4
5			5
6			6
7			7
8			8

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22029

