

Non-Interference Compliance

Regarding Facility id 153879

Channel 262

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.

Page 6 of this exhibit is a contour map showing the 60 dBμ F(50,50) and 40 dBμ F(50,10) of the following three applications which are being filed concurrently to result in three expected singletons:

Proposed NEW, Pocatello, ID FAC# 153879, BNPFT-20030317MDD
Amended NEW, Pocatello, ID FAC# 146523, BNPFT-20030317ECE
Amended NEW, Pocatello, ID FAC# 142206, BNPFT-20030317JUY

Note: The adjacent channel study indicates prohibitive overlap with Amended NEW, Pocatello, ID FAC# 142206, BNPFT-20030317JUY and Amended NEW, Pocatello, ID FAC# 146523, BNPFT-20030317ECE. As demonstrated on the Contour Map on page 6 there is no prohibitive overlap with any of three amended short form applications; hence, all three can proceed to be processed as expected singletons.

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
1422415	BLH20110330ACH	KSNA	67.1	67.1
1457580	BLFTB20111109AVE	KSNA-FM1	61.3	61.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				61.3

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 **61.3 dBμ**, this makes the proposed translator's worst-case interfering contour **101.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **42.7 m** from the transmit antenna.

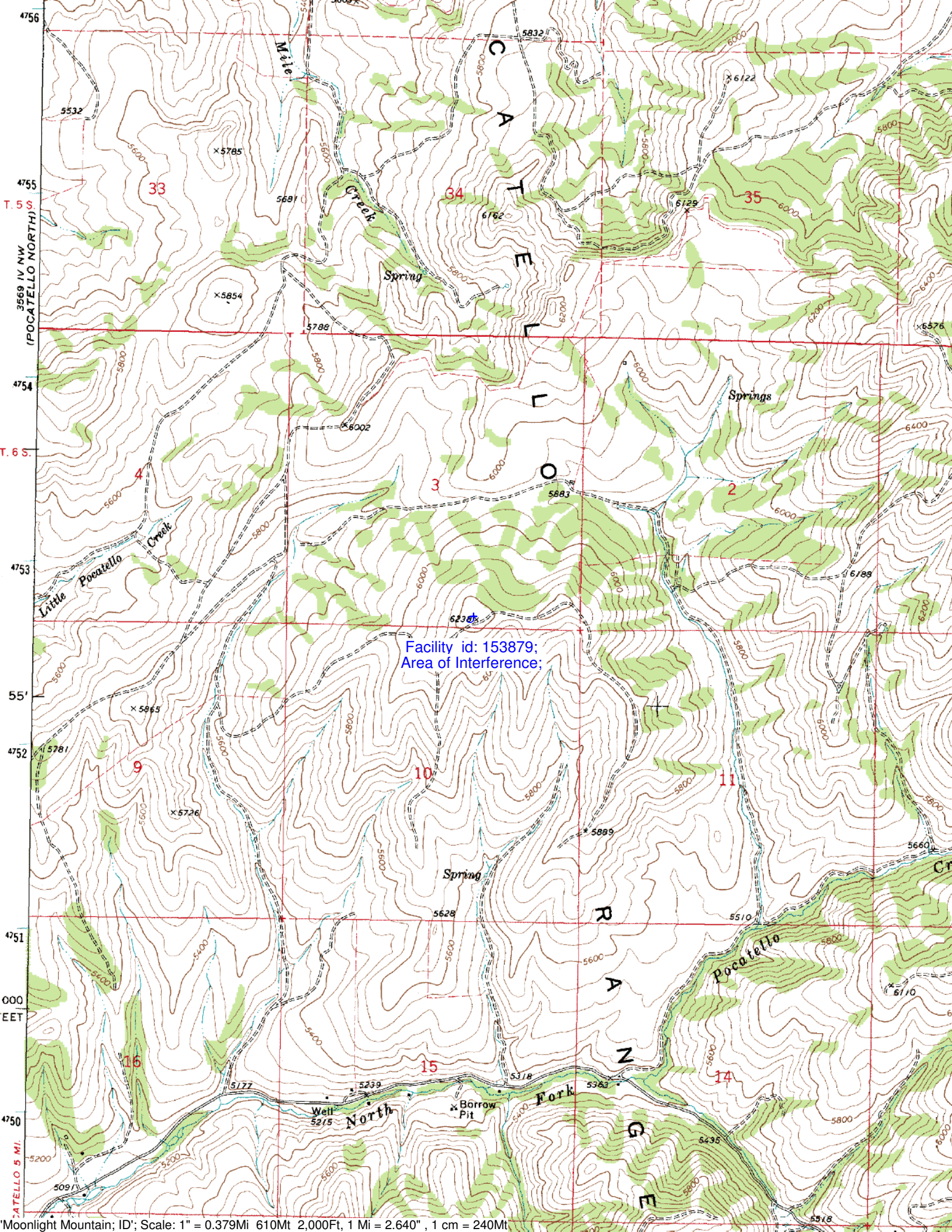
The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population"). Hence, in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), 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: CL-FM
CORAGL: 10 m
Maximum ERP: 0.0005 kW
Interfering Contour: 101.3 dBμ
Max Int. Contour Distance: 42.7 m

Adjacent Channel Study
For Station NEW, Facility_id: 153879

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1422415	55237	BLH-20110330ACH	KSNA	SANDHILL MEDIA GROUP, LLC	C1	IDAHO FALLS	ID	LIC	100	1789	264	2	55.2	4938.47
1457580	178841	BLFTB-20111109AVE	KSNA-FM1	SANDHILL MEDIA GROUP, LLC	D	POCATELLO	ID	LIC	2.2	1443	264	2	11.5	174.532
633970	142206	BNPFT-20030317JUY	NEW	BONNEVILLE HOLDING COMPANY	D	POCATELLO	ID	APP	0.034	1790	262	0	14.6	49.4372
639112	146523	BNPFT-20030317ECE	NEW	MAX T. NICHOLS	D	POCATELLO	ID	APP	0.25	1419	261	1	12.1	1.6157
638361	145799	BNPFT-20030313BPF	NEW	TAUNA M. BARBIERI	D	POCATELLO	ID	APP	0.045	1789	260	2	14.6	0
1560707	146541	BNPFT-20030317ECC	NEW	MAX T. NICHOLS	D	BLACKFOOT	ID	APP	0.25	1491	260	2	49.3	0
37557	17436	BLH-19811229AK	KITT	TRI-STATE MEDIA CORPORATION	A	SODA SPRINGS	ID	LIC	3	1831	261	1	67.5	0
1006848	42885	BLH-20040817AAG	KZDX	LEE FAMILY BROADCASTING, INC.	C	BURLEY	ID	LIC	27	2536	260	2	121.8	0
1559596	88184	BMPH-20130212AAO	KLZX	SUN VALLEY RADIO INC	C1	WESTON	ID	CP MOD	100	1746	260	2	124.7	0



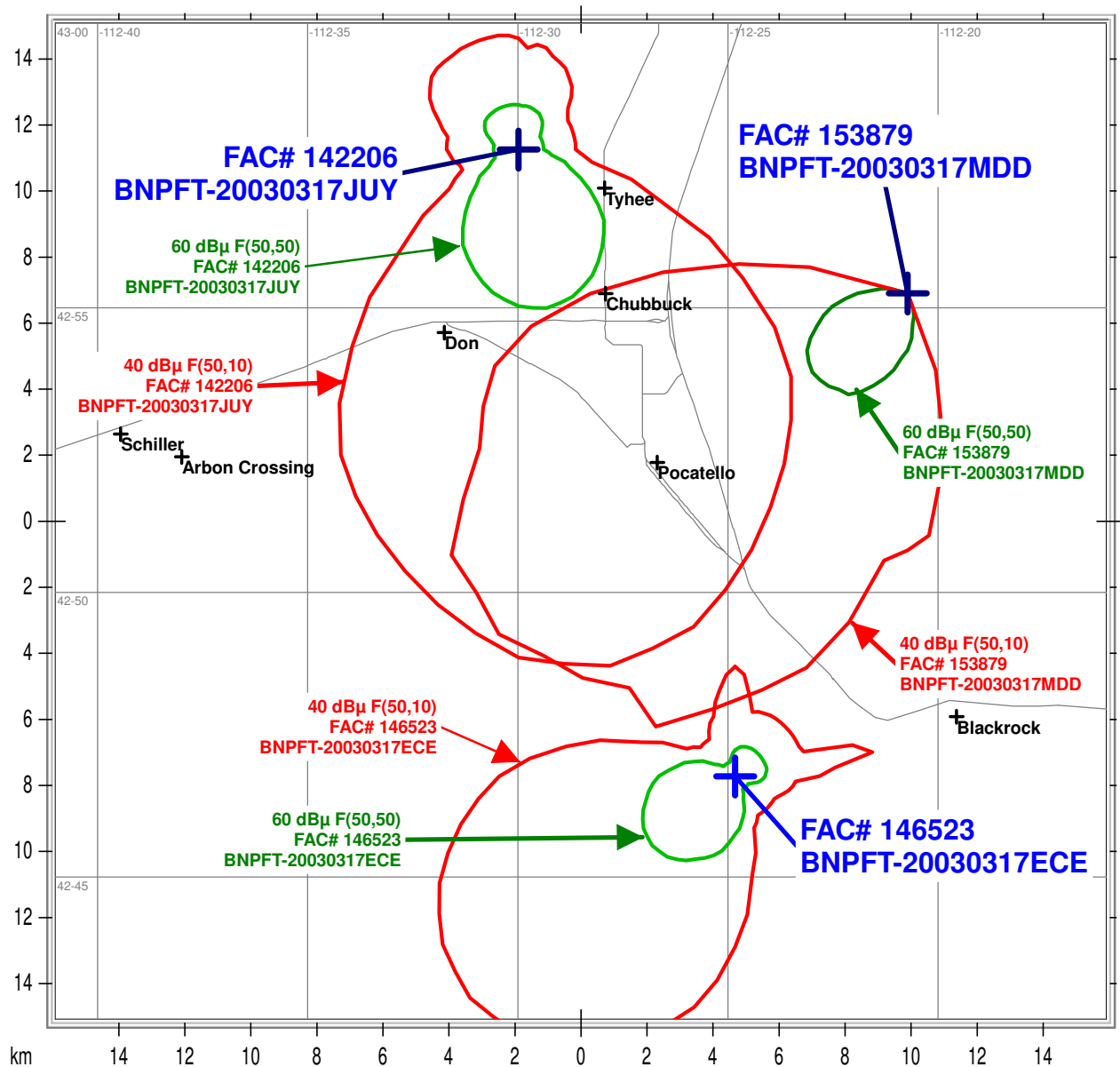
Facility id: 153879;
Area of Interference;



30 yds

© 2013 Microsoft Corporation

Proposed Amendments for 20030317JUY, 20030317MDD & 20030317ECE



Amended Short Form Contour Map

State Borders
 Highways
 Lat/Lon Grid