

[Exhibit 12]

Non-Interference Compliance

Regarding Facility id 147617

Channel 237

Description of Exhibit 12 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 dB μ 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 a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by the U.S. Geological Survey's National Aerial Photography Program. It has been included to provide clarification of the nature of the buildings in the vicinity.

Since the proposed translator is within 320 km of the Canadian border, 47 C.F.R. § 74.1235(d) has been taken into account and this applicant certifies that in no direction does the 34 dB μ F(50,10) extend beyond 60 km, and this application is therefore in full compliance with 47 C.F.R. § 74.1235(d)(3), which states that "the distance to the 34 dB μ interfering contour may not exceed 60 km in any direction," and hence complies with 47 C.F.R. § 74.1204(h).

Note: The quadrangle and aerial photo indicate the presence of county roads in the area of interference. It is apparent that these are not major roads, e.g. interstate highways, as described in the Living Way decision. The zone of predicted interference extends 16.2m from the proposed transmit site. The nearest building is uninhabited and is 236m away to the southwest, 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 dB μ 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
1148045	BLH20060912ABJ	KYSS-FM	92.7	92.7
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				92.7

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 **92.7 dB μ** , this makes the proposed translator's worst-case interfering contour **132.7 dB μ** . By the free-space equation, this contour is calculated to extend a maximum of **16.2 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").

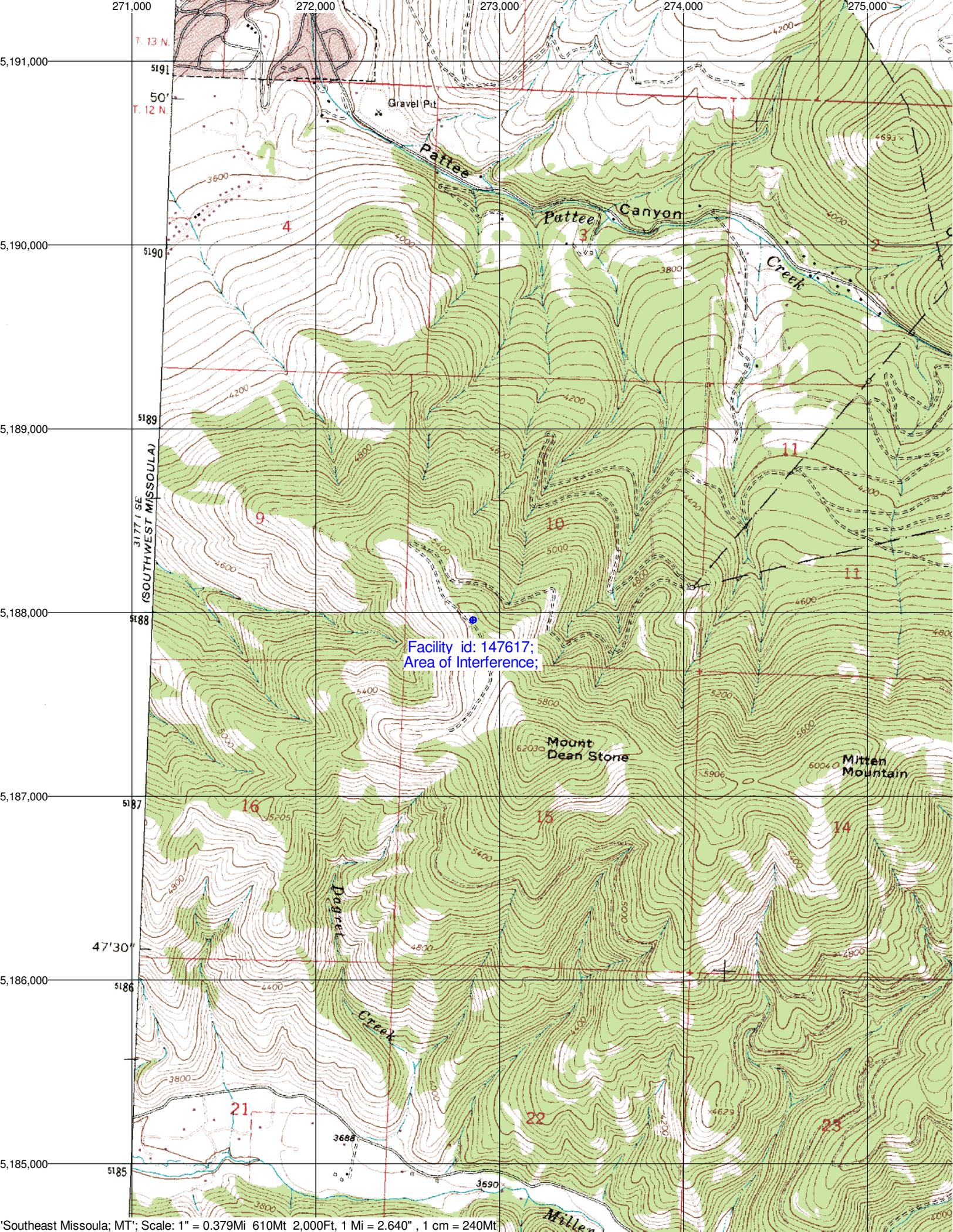
Note: The quadrangle and aerial photo indicate the presence of county roads in the area of interference. It is apparent that these are not major roads, e.g. interstate highways, as described in the Living Way decision. The zone of predicted interference extends 16.2m from the proposed transmit site. The nearest building is uninhabited and is 236m away to the southwest, 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: BEX
Antenna Model: TFC2K
CORAGL: 46 m
Maximum ERP: 0.099 kW
Interfering Contour: 132.7 dB μ
Max Int. Contour Distance: 16.2 m

**Adjacent Channel Study
For Station K237DZ, Facility_id: 147617**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1148045	71759	BLH	20060912ABJ	KYSS-FM	CAPSTAR TX LIMITED PARTNERSHIP	C	MISSOULA	MT	LIC	63	2312	235	2	24.9	0.5908
1190916	142915	BLFT	20070621AQN	K239AP	CCR-MISSOULA IV, LLC	D	MISSOULA	MT	LIC	0.25	1118	239	2	8.2	0
37452	139	BLFT	19811222IF	K240AP	4-K RADIO, INC.	D	PIERCE	ID	LIC	0.045	991	240	3	142.9	0
1199110	145977	BLFT	20070621AAI	K234AT	CCR-BUTTE IV, LLC	D	MCQUEEN	MT	LIC	0.25	2524	234	3	147.6	0
1209652	145977	BMPFT	20071012APY	K234AT	CCR-BUTTE IV, LLC	D	MCQUEEN	MT	CP MOD	0.25	2524	234	3	147.6	0
17168	63875	BLH	19800128AE	KMBR	FISHER RADIO REGIONAL GROUP, INC.	C	BUTTE	MT	LIC	50	2544	238	1	147.6	0
1147919	9890	BLH	20060908ABH	KLER-FM	JEFFREY C JONES	C3	OROFINO	ID	LIC	2.3	925	236	1	179.6	0
273832	22255	BLH	19980911KI	KHNK	BEE BROADCASTING, INC.	C	COLUMBIA FALLS	MT	LIC	55	1995	240	3	191.7	0



271.000

272.000

273.000

274.000

275.000

T. 13 N.

5191

50'

T. 12 N.

5,191,000

5191

5,190,000

5190

5,189,000

5189

317715E
(SOUTHWEST MISSOULA)

5,188,000

5188

Facility id: 147617;
Area of Interference;

5,187,000

5187

Mount
Dean Stone

Mitten
Mountain

5,186,000

5186

47'30"

5,185,000

5185

