

Minor Modification of Application

BNPFT-20030314BMT-Facility ID No. 138467

This exhibit is for the Long Form of translator applications BNPFT-20030314BMT-Facility ID No. 138467.

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The proposed antenna is to be located on an existing tower identified by registration number 1239881, with recently corrected coordinates, at 53 meters above ground. Below as **Figure 1** is an overlap and spacing study from which it can be determined that this proposal is within the protected contour of **second** adjacent channel station K276BT and **third** adjacent primary KAZX.

Concerning second adjacent K276BT; we will demonstrate that a lack of population and/or other factors allow this proposal to be compliant with 74.1204. The process commonly called “Living Way”, allows for the use of D/U Analysis, also known as “signal strength ratio methodology” to be utilized to demonstrate compliance. In this instant case the facility to be protected is on a second adjacent channel and is to be afforded protection from signals 40 dB stronger than the protected facility presents in the location of the proposed translator antenna location.

In **Figure 2** a map showing the predicted 115 dBu signal contour of the protected facility at the proposed translator antenna location is given. This proposal can only cause predicted interference to the protected facility by having a signal exceeding 155.0 dBu in a habitable/populated area. Utilizing the line of sight equation shown in **Figure 3** which considers the vertical elevation pattern of the proposed antenna, it has been determined that a 155.0 dBu signal developed by 250 watts, as proposed, emitted by the proposed antenna mounted 53 meters above ground, will not reach ground level. With examination of the image(s) in **Figure 4** it can be determined that no habitable space extends above this height within the confines of this contour. Thus the provisions of the rules section concerning prohibited overlap will not apply as it has been demonstrated that no actual interference will occur due to a lack of population and other factors as applied in this instant proposal.

Concerning third adjacent KAZX: Because this facility is the primary, interference is not allowed in the principal community. **Figure 5** is a map demonstrating that the proposed 100 dBu does not enter the community.

RF Radiation Statement

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is a composite **RFS CPF500-1 (1) element; full-wave spaced** antenna mounted 53 meters above ground. As this element type is not modeled in any current computer program, for purposes of this analysis the FM Model program has been set to calculate values for a "worst case" type of antenna element array, "Ring Stub", operated with an effective radiated power of 0.25 Kilowatts in the vertical plane. At 2 meters above the surface, at 14.0 meters from the base of the tower, this proposal will contribute worst case, 3.8 microwatts per square centimeter, or 0.4 percent of the allowable ANSI limit for controlled exposure, and 2.0 percent of the allowable limit for uncontrolled exposure. This figure is less than 5.0% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1. Overlap and Spacing Study for BNPFT-20030314BMT-Facility ID No. 138467

138467 At Corrected Short Form Location
Capstar Tx Limited Partnership
Average Protected F(50-50)= 14.2 km
Omni-directional

REFERENCE: 37 15 41.4 N, 107 54 11.2 W. CH# 277D - 103.3 MHz, Pwr= 0.25 kw, HAAT= 122.3 M, COR= 2399 M. DISPLAY DATES: DATA 08-30-13, SEARCH 08-30-13

CH	CALL CITY	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
277D	628837 Durango	APP CO	_C_	284.4 104.4	0.19 BNPFT20030314BMT	37 15 43.0 107 54 19.0	0.250 122	64.7 2373	21.3 Capstar Tx Limited Partner	-71.6*	-44.8*
275C0	KAZX Kirtland	LIC NM	_CX	178.9 358.9	49.62 BLH20060309ABN	36 48 52.0 107 53 32.0	100.000 303	9.8 2129	70.7 Capstar Tx Llc	14.7	-22.2*
279D	K279BT Durango	CP CO	_C_	284.4 104.4	0.19 BNPFT20130325AJF	37 15 43.0 107 54 19.0	0.120 0.8	0.8 2373	17.7 Capstar Tx Limited Partner	-7.7*	-18.6*
278D	K278AD Mancos	LIC CO	_DHL_	298.0 117.9	24.47 BLFT20120925ADL	37 21 52.0 108 08 50.0	0.010 3.0	3.0 3135	1.5 Proclaiming Christ's Love	14.4	12.8
277C2	KPRU Delta	LIC CO	_C_	351.2 171.0	181.61 BLED20010411AAF	38 52 40.0 108 13 32.0	12.000 301	158.5 2316	71.9 Public Broadcasting of Col	16.0	85.9
223A	KKDG Bayfield	LIC CO	_NHX_	96.8 277.0	28.30 BLH20080317ABA	37 13 51.0 107 35 11.0	0.100 -83	0.0 2142	0.0 winton Road Broadcasting C	10.0R	18.3M
280D	K280FL Aztec	LIC NM	_DV_	178.9 358.9	49.59 BLFT20110916ABW	36 48 53.0 107 53 31.0	0.250 0.8	0.8 2130	18.1 Voice Ministries of Farmin	23.7	30.4
276D	1569807 Silverton	APP CO	_V_	18.7 198.9	64.60 BNPFT20130829ABR	37 48 44.0 107 39 59.0	0.250 10.1	10.1 2840	7.1 vocie Ministries of Farmin	33.7	26.7
276D	1563979 Silverton	APP CO	_V_	18.7 198.9	64.60 BNPFT20030317JOV	37 48 44.0 107 39 59.0	0.250 10.1	10.1 2840	7.1 vocie Ministries of Farmin	33.7	26.7
277C	KDRF Albuquerque	LIC NM	_C_	149.8 330.6	262.06 BLH20020425ABH	35 12 50.0 106 27 01.0	20.000 1293	202.2 3314	94.5 Radio License Holding Cbc,	35.2	93.8
278C2	R11000 Teec Nos Pos Counterproposal in MB Doc. No. 05-263	ADD AZ	_	253.7 72.8	137.19	36 54 23.0 109 22 52.0	50.000 150	82.6 1835	55.8 Smoke & Mirrors, LLC Et. A	41.2	61.2
278C2	R10991 Teec Nos Pos Counterproposal in MB Doc. No. 05-263	ADD AZ	_	253.7 72.8	137.19	36 54 23.0 109 22 52.0	50.000 150	82.6 1835	55.8 Sanpete County Broad'g Co.	41.2	61.2
278C3	KPAU Center One Step Application	CP CO	_CX_	65.4 246.2	127.35 BPH20130524ADT	37 43 47.0 106 35 18.0	0.880 504	65.2 3365	42.7 Cochise Media Licenses Llc	46.3	61.0
223C1	KRWN Farmington one Step Application	CP NM	_NCY_	204.4 24.2	68.93 BPH20130625ABL	36 41 45.0 108 13 23.0	63.000 116	0.0 1824	0.0 winton Road Broadcasting C	22.0R	46.9M
280D	K280AE Telluride Translator for KJYE, Grand Junction, CO.	LIC CO	_?HN_	5.6 185.6	72.84 BLFT93	37 54 53.0 107 49 20.0	0.048 326	0.5 3637	6.9 Professional Antenna, Towe	65.3	64.8
274D	635425 Telluride	APP CO	_DC_	356.4 176.4	82.03 BNPFT20030317LRU	37 59 57.0 107 57 42.0	0.200 486	0.2 3359	9.7 Rocky Iii Investments, Inc	74.8	71.2

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent. Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X) "w" affixed to 'IN' or 'OUT' values = site inside protected contour.

Figure 2. Contour Map

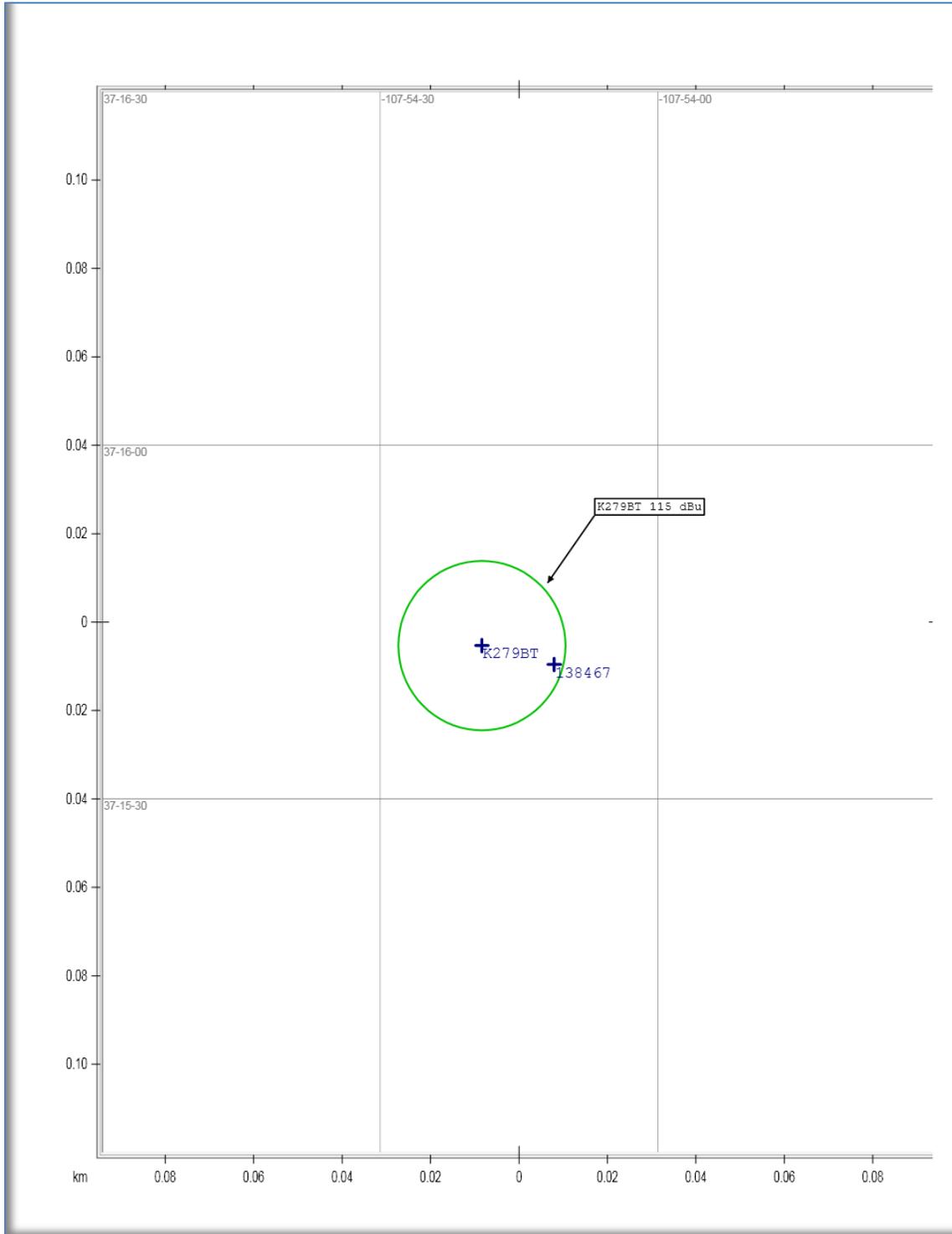


Figure 3. Signal Level at and Near Ground Level

<p>Proposed Antenna: RFS CPF500-1</p> <p>Proposed Power: 0.25 kW</p> <p>Antenna Height AGL: 53 meters</p> <p>Interference Contour: 155 dBu</p> <p>Artificial Rcv Antenna Height: 2 meters</p> <p>Distance (Free Space) Equation: $= (10^{((106.92 - [\text{desired dBu}] + [\text{ERP in dBk}]) / 20)}) * 1000$</p> <p>Field Strength (dBu) Equation: $= 106.92 - (20 * (\text{LOG}_{10}[\text{DistMeters} / 1000])) + [\text{ERP in dBk}]$</p>								
Depression				Distance				
Angle	Antenna			from Ant.	Distance	Field Stren	Distance	ield Strengt
Below	Relative	ERP	ERP	to Interf	from Ant. to	in dBu @	from Ant.	in dBu @
Horizon	Field	in kW	in dBk	Contour	Artificial Plane	Artificial Plane	to Ground Level	Ground Level
0°	1.000	0.250	-6.02	1.97 m	infinite	---	infinite	---
-5°	0.949	0.225	-6.48	1.87 m	585.16 m	105.10 dBu	608.11 m	104.76 dBu
-10°	0.805	0.162	-7.91	1.59 m	293.70 m	109.66 dBu	305.21 m	109.32 dBu
-15°	0.594	0.088	-10.55	1.17 m	197.05 m	110.48 dBu	204.78 m	110.15 dBu
-20°	0.353	0.031	-15.06	0.70 m	149.11 m	108.39 dBu	154.96 m	108.05 dBu
-25°	0.123	0.004	-24.24	0.24 m	120.68 m	101.05 dBu	125.41 m	100.72 dBu
-30°	0.062	0.001	-30.21	0.12 m	102.00 m	96.53 dBu	106.00 m	96.20 dBu
-35°	0.178	0.008	-21.04	0.35 m	88.92 m	106.90 dBu	92.40 m	106.57 dBu
-40°	0.217	0.012	-19.28	0.43 m	79.34 m	109.65 dBu	82.45 m	109.31 dBu
-45°	0.189	0.009	-20.47	0.37 m	72.12 m	109.29 dBu	74.95 m	108.95 dBu
-50°	0.115	0.003	-24.78	0.23 m	66.58 m	105.68 dBu	69.19 m	105.34 dBu
-55°	0.023	0.000	-38.79	0.05 m	62.26 m	92.25 dBu	64.70 m	91.92 dBu
-60°	0.060	0.001	-30.40	0.12 m	58.89 m	101.12 dBu	61.20 m	100.79 dBu
-65°	0.114	0.003	-24.88	0.22 m	56.27 m	107.03 dBu	58.48 m	106.70 dBu
-70°	0.128	0.004	-23.89	0.25 m	54.27 m	108.34 dBu	56.40 m	108.00 dBu
-75°	0.104	0.003	-25.71	0.20 m	52.80 m	106.75 dBu	54.87 m	106.42 dBu
-80°	0.012	0.000	-44.44	0.02 m	51.79 m	88.20 dBu	53.82 m	87.86 dBu
-85°	0.007	0.000	-49.12	0.01 m	51.19 m	83.62 dBu	53.20 m	83.28 dBu
-90°	0.058	0.001	-30.72	0.11 m	51.00 m	102.05 dBu	53.00 m	101.71 dBu

Figure 4. Aerial Image of Area Near Proposed Support Tower



Figure 5. Contour Map

