

CITY OF LICENSE
CALL LETTERS
FACILITY ID
PREPARED FOR
VERSION
JOB

Gallup, NM
KNIZ
174368
Available Media, Inc.
1.1
110046

CONSOLIDATED

ENGINEERING EXHIBIT

FCC Form 340 - Section VII - FM Engineering

ENGINEERING STATEMENT

PROPOSED MINOR-MODIFICATION OF CP 20100903ABV - KNIZ, Gallup, NM

This proposal is for a minor-modification of Construction Permit BMPED-20100903ABV - KNIZ, Gallup, NM, held by Available Media, Inc. (AMI). The minor-modification proposes to modify the site, antenna height and ERP of the CP.

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Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

503-245-6065

EXHIBIT 16

COMMUNITY COVERAGE

The proposed facility complies with the community coverage requirements of §73.515, as shown by the data below and Exhibit 16a. This Rule requires that at least 50% of the area **or** population of the community of license must be covered by a 60dBu signal.

Total Population of Community of License	20,207
Population within 60dbu	20,152
Population within 60dbu %	99.73%
Total Area of Community of License - km ²	34.5
Area within 60dbu - km ²	31.9
Area within 60dbu%	92.46%

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Exhibit 16a - Community of License Coverage

Brown Broadcast Services, Inc.
Job: KNIZ 2nd CP MOD Jan2011.fmj
Master Database: 2011_Jan_25.fmd
Lat: N35:31:06 Lon: W108:43:49 NAD-27
Scale: 1:200000
Channel: 211 Class: A

rfInvestigator Version 3.4.27
by rfSoftware, Inc.
Date: 1/26/2011 4:01:27 PM
Key:
City Grade
Protected
Co-Channel
1st Adj
2nd/3rd Adj

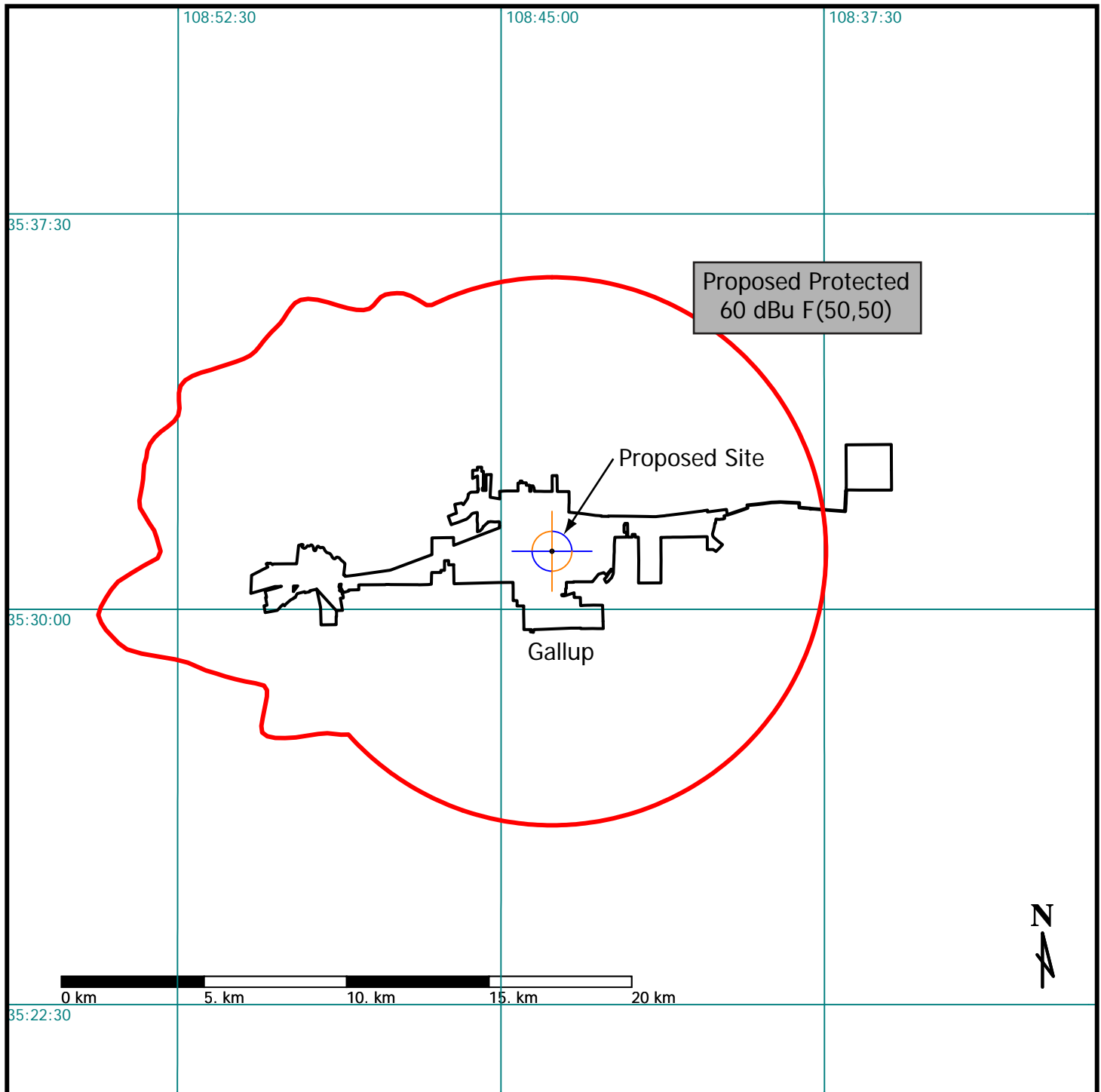


EXHIBIT 18

CONTOUR OVERLAP PROTECTION TO OTHER RESERVED-BAND STATIONS

This proposed minor-change to KNIZ meets the contour overlap requirements of §73.509 with respect to all other reserved-band stations.

Domestic reserved-band stations considered:

ID	City	St	Chan	CL	Stat	Prefix	ARN	Dist	Min 207	Clear 207
KLGQ	GRANTS	NM	212	C1	CP	BPED	20090923ACU	100.2	133	-32.9
KLGQ	GRANTS	NM	212	C2	LIC	BLED	20060526AET	98.0	106	-8.0

All contour calculations were made using the methods and procedures described in 47 CFR §73.313(c). Areas were calculated using a spline integration in one-degree increments. Population totals were calculated by testing each U.S. Census-defined block-centroid population point in the region with a point-in-polygon method. The population was summed for each point within the polygon using data from the 2000 Census.

FMOver calculations were done using V-Soft FM Commander software, using “HAAT method 0 (zero)”, 51 data points per radial, and the FCC-modified version of the NGDC 30 second terrain database. According to V-Soft, this combination results in “astounding agreement” with FCC software.

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Exhibit 18a - 1st Adjacent Contour Protection

Brown Broadcast Services, Inc.
Job: KNIZ 2nd CP MOD Jan2011.fmj
Master Database: 2011_Jan_25.fmd
Lat: N35:31:06 Lon: W108:43:49 NAD-27
Scale: 1:1250000
Channel: 211 Class: A

rfInvestigator Version 3.4.27
by rfSoftware, Inc.
Date: 1/26/2011 6:01:51 PM

PROPOSED

Protected: 60dBu F(50,50)

Interfering: 54dBu F(50,10)

AFFECTED

Protected: 60dBu F(50,50)

Interfering: 54dBu F(50,10)

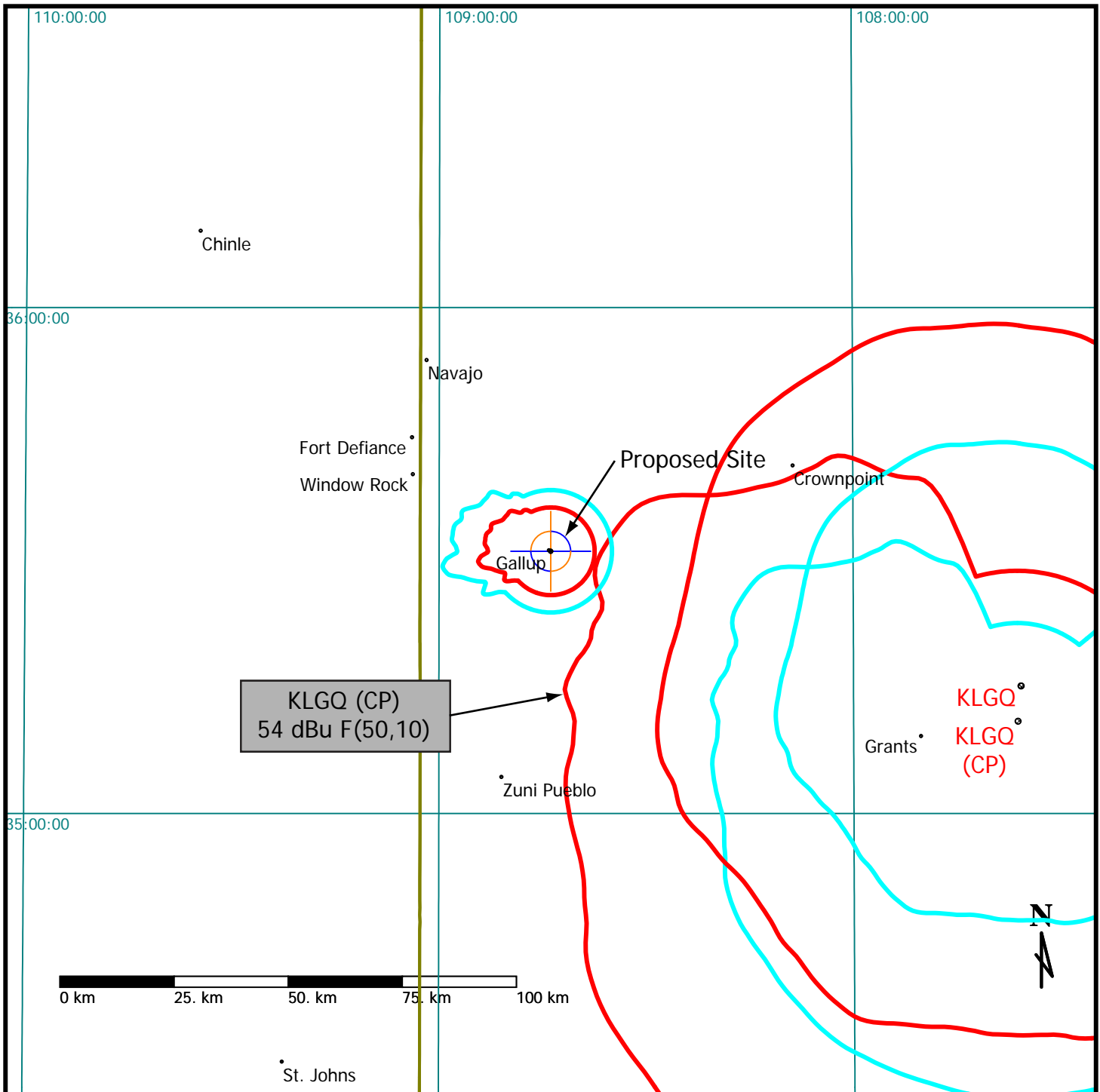


EXHIBIT 18b

FMOver Analysis - KNIZ CP Proposed Minor-Mod. vs. KLGQ CP, Grants, NM

01-26-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

KNIZ CP Prop. Minor Mod.

KLGQ CP BPED20090923ACU

Channel = 211A
Max ERP = 0.8 kW
RCAMSL = 2062 M
N. Lat. 35 31 06.0
W. Lng. 108 43 49.0
Protected
60 dBu

Channel = 212C1
Max ERP = 20 kW
RCAMSL = 2818 M
N. Lat. 35 10 57.0
W. Lng. 107 36 13.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
065.0	000.8000	-0006.1	009.6	294.2	020.0000	0456.2	102.2	52.91	
066.0	000.8000	-0010.3	009.6	294.1	020.0000	0456.4	102.1	52.95	
067.0	000.8000	-0013.0	009.6	294.1	020.0000	0456.6	102.0	52.99	
068.0	000.8000	-0013.9	009.6	294.0	020.0000	0456.7	101.9	53.03	
069.0	000.8000	-0013.5	009.6	293.9	020.0000	0456.9	101.7	53.07	
070.0	000.8000	-0010.7	009.6	293.9	020.0000	0457.1	101.6	53.11	
071.0	000.8000	-0005.7	009.6	293.8	020.0000	0457.3	101.5	53.15	
072.0	000.8000	-0001.5	009.6	293.7	020.0000	0457.5	101.4	53.19	
073.0	000.8000	0001.5	009.6	293.7	020.0000	0457.7	101.3	53.23	
074.0	000.8000	0004.0	009.6	293.6	020.0000	0457.9	101.2	53.26	
075.0	000.8000	0006.5	009.6	293.5	020.0000	0458.1	101.1	53.30	
076.0	000.8000	0009.0	009.6	293.4	020.0000	0458.2	101.0	53.33	
077.0	000.8000	0011.6	009.6	293.4	020.0000	0458.4	100.9	53.37	
078.0	000.8000	0013.9	009.6	293.3	020.0000	0458.6	100.8	53.40	
079.0	000.8000	0015.6	009.6	293.2	020.0000	0458.8	100.7	53.43	
080.0	000.8000	0016.5	009.6	293.1	020.0000	0459.0	100.6	53.47	
081.0	000.8000	0018.6	009.6	293.0	020.0000	0459.2	100.5	53.50	
082.0	000.8000	0020.5	009.6	293.0	020.0000	0459.4	100.4	53.53	
083.0	000.8000	0022.1	009.6	292.9	020.0000	0459.6	100.3	53.56	
084.0	000.8000	0022.2	009.6	292.8	020.0000	0459.8	100.2	53.59	
085.0	000.8000	0020.6	009.6	292.7	020.0000	0460.0	100.2	53.62	
086.0	000.8000	0019.1	009.6	292.6	020.0000	0460.2	100.1	53.65	
087.0	000.8000	0017.5	009.6	292.5	020.0000	0460.4	100.0	53.68	
088.0	000.8000	0015.4	009.6	292.4	020.0000	0460.6	100.0	53.70	
089.0	000.8000	0013.2	009.6	292.3	020.0000	0460.8	099.9	53.73	
090.0	000.8000	0011.0	009.6	292.3	020.0000	0461.0	099.8	53.75	
091.0	000.8000	0008.8	009.6	292.2	020.0000	0461.2	099.8	53.77	
092.0	000.8000	0006.9	009.6	292.1	020.0000	0461.4	099.7	53.80	
093.0	000.8000	0005.6	009.6	292.0	020.0000	0461.5	099.7	53.82	
094.0	000.8000	0004.2	009.6	291.9	020.0000	0461.7	099.6	53.84	
095.0	000.8000	0002.9	009.6	291.8	020.0000	0461.8	099.6	53.86	
096.0	000.8000	0001.2	009.6	291.7	020.0000	0462.0	099.5	53.87	
097.0	000.8000	-0000.9	009.6	291.6	020.0000	0462.1	099.5	53.89	
098.0	000.8000	-0003.4	009.6	291.5	020.0000	0462.2	099.4	53.91	
099.0	000.8000	-0006.1	009.6	291.4	020.0000	0462.3	099.4	53.92	
100.0	000.8000	-0008.5	009.6	291.3	020.0000	0462.4	099.4	53.93	
101.0	000.8000	-0010.4	009.6	291.2	020.0000	0462.5	099.3	53.94	
102.0	000.8000	-0011.9	009.6	291.1	020.0000	0462.5	099.3	53.95	
103.0	000.8000	-0013.4	009.6	291.0	020.0000	0462.5	099.3	53.96	

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Portland, Oregon 97219-7418

503-245-6065

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
104.0	000.8000	-0015.7	009.6	290.9	020.0000	0462.6	099.3	53.97	
105.0	000.8000	-0018.0	009.6	290.9	020.0000	0462.6	099.2	53.97	
106.0	000.8000	-0020.8	009.6	290.8	020.0000	0462.5	099.2	53.98	
107.0	000.8000	-0023.9	009.6	290.7	020.0000	0462.5	099.2	53.98	
108.0	000.8000	-0027.1	009.6	290.6	020.0000	0462.5	099.2	53.98	
109.0	000.8000	-0030.8	009.6	290.5	020.0000	0462.4	099.2	53.98	
110.0	000.8000	-0035.1	009.6	290.4	020.0000	0462.3	099.2	53.98	
111.0	000.8000	-0040.1	009.6	290.3	020.0000	0462.1	099.2	53.97	
112.0	000.8000	-0045.6	009.6	290.2	020.0000	0462.0	099.2	53.96	
113.0	000.8000	-0050.8	009.6	290.1	020.0000	0461.8	099.2	53.96	
114.0	000.8000	-0055.5	009.6	290.0	020.0000	0461.6	099.2	53.94	
115.0	000.8000	-0059.2	009.6	289.9	020.0000	0461.3	099.2	53.93	
116.0	000.8000	-0063.1	009.6	289.8	020.0000	0461.0	099.3	53.92	
117.0	000.8000	-0066.6	009.6	289.7	020.0000	0460.7	099.3	53.90	
118.0	000.8000	-0068.9	009.6	289.6	020.0000	0460.4	099.3	53.89	
119.0	000.8000	-0071.4	009.6	289.5	020.0000	0460.0	099.3	53.87	
120.0	000.8000	-0074.3	009.6	289.4	020.0000	0459.6	099.4	53.84	
121.0	000.8000	-0077.6	009.6	289.3	020.0000	0459.2	099.4	53.82	
122.0	000.8000	-0080.0	009.6	289.2	020.0000	0458.6	099.4	53.79	
123.0	000.8000	-0081.5	009.6	289.1	020.0000	0458.1	099.5	53.77	
124.0	000.8000	-0083.1	009.6	289.0	020.0000	0457.5	099.5	53.74	
125.0	000.8000	-0086.7	009.6	288.9	020.0000	0457.0	099.6	53.70	
126.0	000.8000	-0092.3	009.6	288.8	020.0000	0456.2	099.6	53.67	
127.0	000.8000	-0098.4	009.6	288.8	020.0000	0455.5	099.7	53.63	
128.0	000.8000	-0104.0	009.6	288.7	020.0000	0454.8	099.7	53.59	
129.0	000.8000	-0110.0	009.6	288.6	020.0000	0454.1	099.8	53.55	
130.0	000.8000	-0116.1	009.6	288.5	020.0000	0453.3	099.8	53.51	
131.0	000.8000	-0120.8	009.6	288.4	020.0000	0452.5	099.9	53.46	
132.0	000.8000	-0123.6	009.6	288.3	020.0000	0451.7	100.0	53.42	
133.0	000.8000	-0124.9	009.6	288.2	020.0000	0450.8	100.0	53.37	
134.0	000.8000	-0125.8	009.6	288.1	020.0000	0449.9	100.1	53.32	
135.0	000.8000	-0127.4	009.6	288.0	020.0000	0449.0	100.2	53.27	
136.0	000.8000	-0130.9	009.6	288.0	020.0000	0448.1	100.3	53.22	
137.0	000.8000	-0136.5	009.6	287.9	020.0000	0447.1	100.4	53.17	
138.0	000.8000	-0143.1	009.6	287.8	020.0000	0446.1	100.4	53.12	
139.0	000.8000	-0148.6	009.6	287.7	020.0000	0445.2	100.5	53.06	
140.0	000.8000	-0150.5	009.6	287.6	020.0000	0444.2	100.6	53.01	
141.0	000.8000	-0148.6	009.6	287.6	020.0000	0443.2	100.7	52.95	
142.0	000.8000	-0145.9	009.6	287.5	020.0000	0442.1	100.8	52.89	
143.0	000.8000	-0145.1	009.6	287.4	020.0000	0441.2	100.9	52.83	
144.0	000.8000	-0146.1	009.6	287.3	020.0000	0440.1	101.0	52.77	
145.0	000.8000	-0148.2	009.6	287.2	020.0000	0439.1	101.1	52.71	
146.0	000.8000	-0149.2	009.6	287.2	020.0000	0438.1	101.2	52.65	
147.0	000.8000	-0148.0	009.6	287.1	020.0000	0437.2	101.3	52.59	
148.0	000.8000	-0143.8	009.6	287.0	020.0000	0436.1	101.4	52.53	
149.0	000.8000	-0137.9	009.6	287.0	020.0000	0435.2	101.5	52.47	
150.0	000.8000	-0132.3	009.6	286.9	020.0000	0434.2	101.6	52.41	
151.0	000.8000	-0128.8	009.6	286.8	020.0000	0433.4	101.8	52.35	
152.0	000.8000	-0126.7	009.6	286.8	020.0000	0432.5	101.9	52.29	
153.0	000.8000	-0125.6	009.6	286.7	020.0000	0431.6	102.0	52.23	
154.0	000.8000	-0123.9	009.6	286.6	020.0000	0430.8	102.1	52.18	

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503-245-6065

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01-26-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

KLKQ CP BPED20090923ACU

KNIZ CP Prop. Minor Mod.

Channel = 212C1
Max ERP = 20 kW
RCAMSL = 2818 M
N. Lat. 35 10 57.0
W. Lng. 107 36 13.0
Protected
60 dBu

Channel = 211A
Max ERP = 0.8 kW
RCAMSL = 2062 M
N. Lat. 35 31 06.0
W. Lng. 108 43 49.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
245.0	020.0000	0527.1	071.4	150.8	000.8000	-0129.4	077.4	29.60	
246.0	020.0000	0519.4	070.9	150.2	000.8000	-0131.3	076.2	29.82	
247.0	020.0000	0513.1	070.5	149.8	000.8000	-0133.2	075.0	30.03	
248.0	020.0000	0505.7	070.0	149.3	000.8000	-0136.0	073.9	30.25	
249.0	020.0000	0497.7	069.4	148.7	000.8000	-0139.5	072.8	30.45	
250.0	020.0000	0490.3	068.9	148.1	000.8000	-0143.0	071.7	30.64	
251.0	020.0000	0486.1	068.6	147.7	000.8000	-0145.3	070.6	30.84	
252.0	020.0000	0483.3	068.4	147.3	000.8000	-0146.9	069.4	31.05	
253.0	020.0000	0482.1	068.3	147.0	000.8000	-0148.0	068.3	31.25	
254.0	020.0000	0482.5	068.4	146.7	000.8000	-0148.8	067.2	31.46	
255.0	020.0000	0482.4	068.4	146.4	000.8000	-0149.2	066.0	31.67	
256.0	020.0000	0482.6	068.4	146.1	000.8000	-0149.2	064.9	31.88	
257.0	020.0000	0482.5	068.4	145.7	000.8000	-0149.1	063.8	32.09	
258.0	020.0000	0482.2	068.3	145.3	000.8000	-0148.6	062.7	32.31	
259.0	020.0000	0481.7	068.3	144.8	000.8000	-0147.9	061.6	32.52	
260.0	020.0000	0481.2	068.3	144.3	000.8000	-0146.8	060.5	32.74	
261.0	020.0000	0480.2	068.2	143.8	000.8000	-0145.7	059.5	32.95	
262.0	020.0000	0478.9	068.1	143.2	000.8000	-0145.2	058.4	33.16	
263.0	020.0000	0476.3	067.9	142.4	000.8000	-0145.3	057.5	33.36	
264.0	020.0000	0471.8	067.6	141.5	000.8000	-0147.0	056.6	33.54	
265.0	020.0000	0465.6	067.2	140.5	000.8000	-0149.8	055.9	33.70	
266.0	020.0000	0459.5	066.7	139.5	000.8000	-0150.1	055.2	33.85	
267.0	020.0000	0454.8	066.4	138.5	000.8000	-0145.9	054.4	34.01	
268.0	020.0000	0453.4	066.3	137.6	000.8000	-0140.6	053.6	34.19	
269.0	020.0000	0452.1	066.3	136.7	000.8000	-0134.6	052.8	34.37	
270.0	020.0000	0450.7	066.2	135.8	000.8000	-0129.9	052.0	34.54	
271.0	020.0000	0454.0	066.4	135.1	000.8000	-0127.5	051.0	34.75	
272.0	020.0000	0461.3	066.9	134.5	000.8000	-0126.4	049.8	35.01	
273.0	020.0000	0468.2	067.3	133.8	000.8000	-0125.6	048.7	35.25	
274.0	020.0000	0473.7	067.7	133.1	000.8000	-0125.0	047.6	35.48	
275.0	020.0000	0470.5	067.5	131.8	000.8000	-0123.2	047.1	35.61	
276.0	020.0000	0464.1	067.1	130.3	000.8000	-0117.7	046.8	35.69	
277.0	020.0000	0457.3	066.6	128.8	000.8000	-0108.7	046.5	35.75	
278.0	020.0000	0450.6	066.2	127.3	000.8000	-0100.0	046.3	35.80	
279.0	020.0000	0440.1	065.5	125.6	000.8000	-0090.2	046.3	35.79	
280.0	020.0000	0432.3	065.0	124.1	000.8000	-0083.3	046.3	35.80	
281.0	020.0000	0428.4	064.7	122.7	000.8000	-0081.2	046.0	35.86	
282.0	020.0000	0429.6	064.8	121.4	000.8000	-0078.8	045.6	35.98	
283.0	020.0000	0427.7	064.7	120.0	000.8000	-0074.3	045.3	36.04	
284.0	020.0000	0422.6	064.4	118.5	000.8000	-0070.2	045.3	36.04	
285.0	020.0000	0420.4	064.3	117.1	000.8000	-0066.8	045.2	36.08	
286.0	020.0000	0424.5	064.5	115.8	000.8000	-0062.1	044.7	36.20	
287.0	020.0000	0435.8	065.2	114.5	000.8000	-0057.3	043.8	36.43	

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503-245-6065

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
288.0	020.0000	0448.5	066.0	113.1	000.8000	-0051.2	042.9	36.70	
289.0	020.0000	0457.4	066.6	111.6	000.8000	-0043.2	042.2	36.89	
290.0	020.0000	0461.6	066.9	110.0	000.8000	-0035.1	041.9	36.98	
291.0	020.0000	0462.5	067.0	108.4	000.8000	-0028.5	041.8	37.00	
292.0	020.0000	0461.5	066.9	106.8	000.8000	-0023.3	042.0	36.96	
293.0	020.0000	0459.3	066.7	105.3	000.8000	-0018.6	042.3	36.88	
294.0	020.0000	0456.7	066.6	103.7	000.8000	-0015.0	042.6	36.78	
295.0	020.0000	0454.0	066.4	102.3	000.8000	-0012.2	043.0	36.66	
296.0	020.0000	0451.0	066.2	100.8	000.8000	-0010.1	043.5	36.53	
297.0	020.0000	0447.4	065.9	099.5	000.8000	-0007.3	044.0	36.39	
298.0	020.0000	0443.4	065.7	098.2	000.8000	-0003.8	044.6	36.23	
299.0	020.0000	0437.8	065.3	097.0	000.8000	-0000.8	045.3	36.04	
300.0	020.0000	0429.7	064.8	095.9	000.8000	0001.4	046.2	35.81	
301.0	020.0000	0419.1	064.2	095.0	000.8000	0002.9	047.3	35.56	
302.0	020.0000	0404.9	063.3	094.2	000.8000	0003.9	048.6	35.28	
303.0	020.0000	0386.4	062.2	093.7	000.8000	0004.6	050.1	34.96	
304.0	020.0000	0364.4	060.8	093.4	000.8000	0005.0	051.8	34.59	
305.0	020.0000	0340.5	059.3	093.3	000.8000	0005.1	053.7	34.18	
306.0	020.0000	0317.7	057.7	093.3	000.8000	0005.2	055.5	33.78	
307.0	020.0000	0298.5	056.4	093.1	000.8000	0005.4	057.1	33.44	
308.0	020.0000	0282.7	055.3	093.0	000.8000	0005.6	058.6	33.13	
309.0	020.0000	0269.0	054.3	092.7	000.8000	0005.9	059.9	32.85	
310.0	020.0000	0257.5	053.5	092.5	000.8000	0006.2	061.1	32.61	
311.0	020.0000	0247.3	052.8	092.2	000.8000	0006.6	062.3	32.38	
312.0	020.0000	0238.2	052.1	092.0	000.8000	0006.9	063.4	32.17	
313.0	020.0000	0229.5	051.5	091.7	000.8000	0007.4	064.5	31.96	
314.0	020.0000	0221.7	050.9	091.5	000.8000	0007.8	065.5	31.76	
315.0	020.0000	0215.2	050.3	091.2	000.8000	0008.3	066.5	31.58	
316.0	020.0000	0210.1	049.9	090.9	000.8000	0008.9	067.4	31.42	
317.0	020.0000	0206.5	049.6	090.6	000.8000	0009.7	068.2	31.27	
318.0	020.0000	0203.6	049.4	090.2	000.8000	0010.5	069.0	31.13	
319.0	020.0000	0201.1	049.2	089.9	000.8000	0011.2	069.8	30.99	
320.0	020.0000	0198.2	049.0	089.6	000.8000	0011.9	070.6	30.84	
321.0	020.0000	0195.6	048.7	089.3	000.8000	0012.6	071.4	30.70	
322.0	020.0000	0194.1	048.6	088.9	000.8000	0013.3	072.1	30.57	
323.0	020.0000	0194.1	048.6	088.5	000.8000	0014.2	072.8	30.45	
324.0	020.0000	0194.3	048.6	088.1	000.8000	0015.1	073.5	30.32	
325.0	020.0000	0192.8	048.5	087.8	000.8000	0015.7	074.2	30.18	
326.0	020.0000	0189.1	048.2	087.7	000.8000	0016.1	075.1	30.02	
327.0	020.0000	0182.5	047.7	087.7	000.8000	0016.0	076.1	29.84	
328.0	020.0000	0173.7	046.8	087.9	000.8000	0015.6	077.2	29.63	
329.0	020.0000	0164.0	045.8	088.3	000.8000	0014.7	078.4	29.40	
330.0	020.0000	0154.0	044.6	088.8	000.8000	0013.7	079.7	29.15	
331.0	020.0000	0144.4	043.3	089.3	000.8000	0012.6	081.0	28.89	
332.0	020.0000	0135.6	042.2	089.7	000.8000	0011.6	082.2	28.65	
333.0	020.0000	0128.3	041.2	090.1	000.8000	0010.8	083.3	28.43	
334.0	020.0000	0122.8	040.6	090.3	000.8000	0010.4	084.2	28.24	

BROWN BROADCAST SERVICES
INCORPORATED

Michael D. Brown

3740 S.W. Comus St.

Portland, Oregon 97219-7418

503-245-6065

EXHIBIT 21

TV CHANNEL 6 PROTECTION PER §73.525

The affected TV Channel 6 stations, as defined by §73.525(a), are:

ID	City	St	Chan	Stat	Serv	Distance	Min 73.525	Clear 73.525
KNJO-LP	HOLBROOK	AZ	6	Lic.	LP	152.6	196	-43.4

This proposed minor-amendment will employ an antenna with mixed-polarization, and the interference area will fall outside any community with 50,000 or more persons. Therefore, the effective ERP is $800 + 800/40 = 820 \text{ W}$ (0.82kW).

Exhibit 21a shows that there would be no overlap of the proposal with the 62dBu Protected contour of any Low Power Channel 6 station. The U/D ratio at the 62dBu protected contour is 5.5dB, for a corresponding FM interfering contour of 67.5dBu. While a 6dB antenna directivity adjustment is allowed in this case, none was used on this map.

BROWN BROADCAST SERVICES

Michael D. Brown

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3740 S.W. Comus St. Portland, Oregon 97219-7418

503-245-6065

Exhibit 21a - TV Channel 6 Protection - Low Power

Brown Broadcast Services, Inc.
Job: KNIZ 2nd CP MOD Jan2011.fmj
Master Database: 2011_Jan_25.fmd
Lat: N35:31:06 Lon: W108:43:49 NAD-27
Scale: 1:1500000
Channel: 211 Class: A

rfInvestigator Version 3.4.27
by rfSoftware, Inc.
Date: 1/26/2011 6:13:47 PM
Key:
Low Power TV 62dBu
Protected Contour

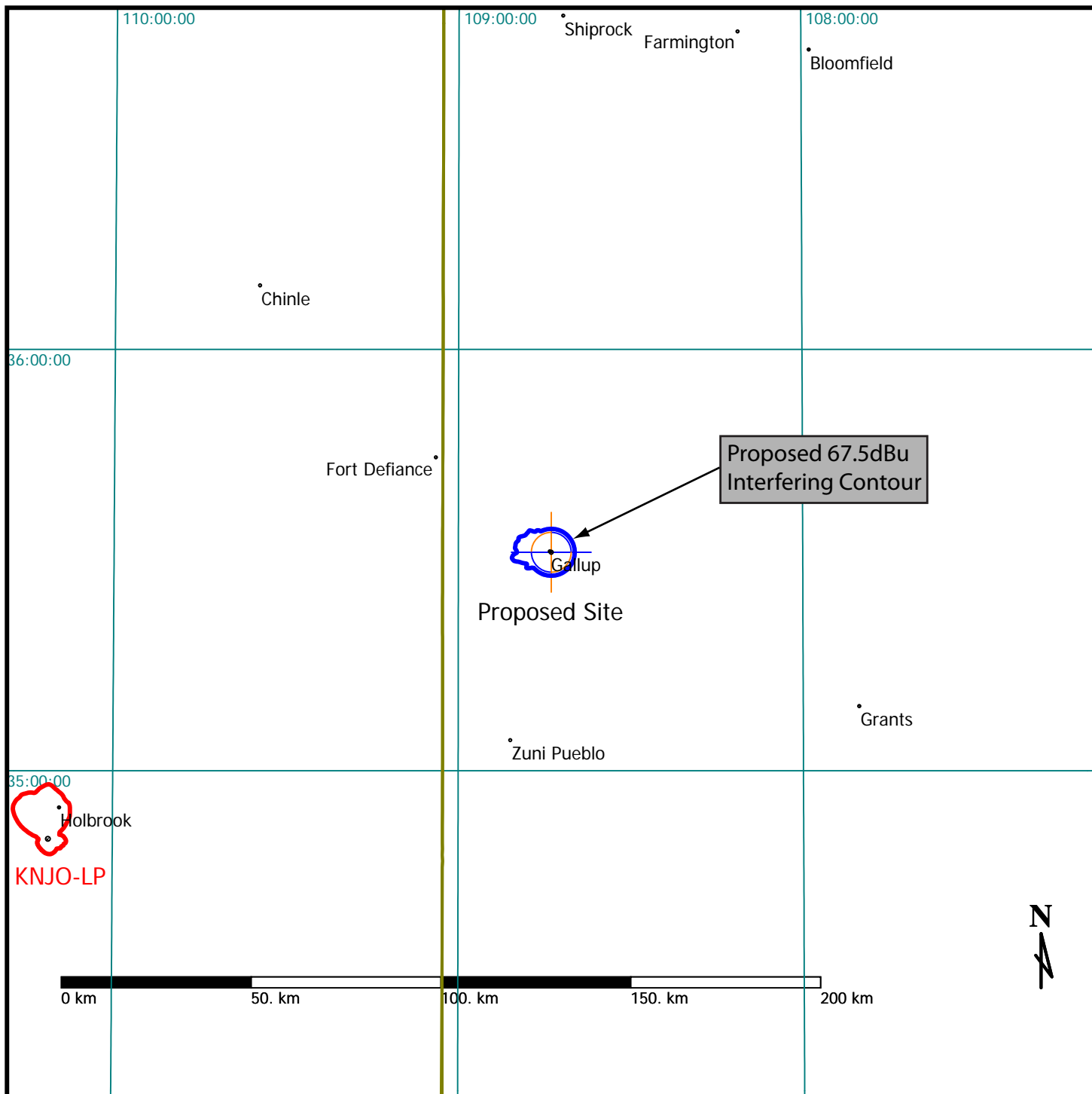


EXHIBIT 24

ENVIRONMENTAL PROTECTION ACT / NEIR ANALYSIS

The applicant proposes mounting a new antenna on an existing 12 meter tower. The proposed center of radiation is 11m AGL. Calculations were made using FM Model for Windows, version 2.10, with the Phelps-Dodge "Ring Stub" or Dipole setting as a worst case. This setting indicated a worst case peak exposure of $181\mu\text{w}/\text{cm}^2$, at 1.6 meters from the tower. This represents 90.5% of the Maximum Permissible Exposure (MPE) of $200\mu\text{w}/\text{cm}^2$ for uncontrolled environments. The other facilities at or near this site are non-broadcast in nature, and are not significant RF Exposure contributors for humans at ground level.

The applicant will ensure that public access to the tower is restricted by fencing, anti-climb devices, or other appropriate measures. The site will be posted with appropriate RF exposure warning signs. If tower climbing by authorized personnel becomes necessary, transmitter power will be reduced or operation will cease, as necessary, so as to not exceed the RF exposure limits.