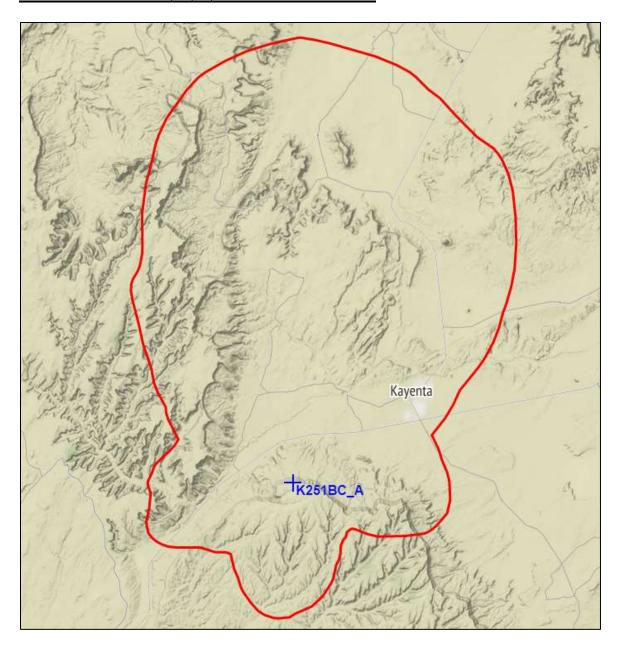


Modfy Minor Modify CP for K251BC
KAYENTA, AZ
REDROCK RADIO GROUP, L.L.C.
BPFT-20190214ABJ

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



KAYNETA, AZ - Channel 251D (98.1 MHz) ~ ERP 0.250 kW ~ Directional

Elev: 2,440 meters ~ RCAGL: 11 meters ~ RCAMSL: 2,451 meters ~ HAAT 415 meters

Overall tower height: 36.6 meters – ASR: None

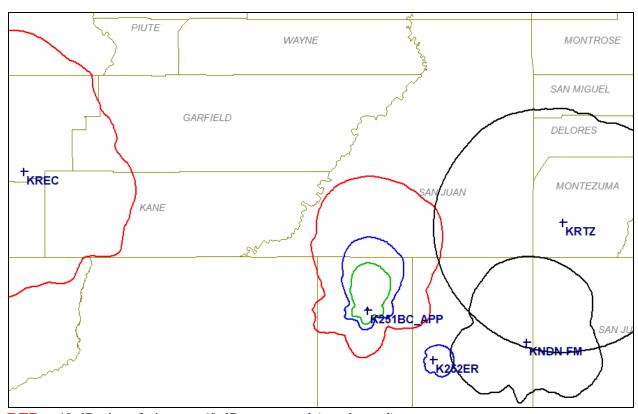
NAD83 Latitude: 36° 39' 59.0" NL – Longitude: 110° 21' 12.4" WL NAD27 Latitude: 36° 39' 54.9" NL – Longitude: 110° 21' 09.9" WL

Site: K251BC_APP Coordinates: 36-39-54.9 N, 110-21-09.9 W Freq: 98.10000 MHz ERP: 250.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat 36.958657	Lon
0 5 10	247.51 240.10 228.48	612 613 615	360 430 420	32.62 32.40 32.04	36.955520 36.949037	-110.352750 -110.320970 -110.290133
15	210.22	623	420	31.57	36.939519	-110.260792
20	190.97	610	370	30.40	36.922150	-110.235764
25	162.41	616	310	29.33	36.904226	-110.213345
30	133.96	647	160	28.70	36.888666	-110.191396
35	103.04	681	280	27.65	36.868844	-110.174439
40	74.80	672	310	25.45	36.840490	-110.168868
45	50.18	672	370	23.11	36.812121	-110.169124
50	30.28	681	250	20.46	36.783399	-110.176751
55	18.63	690	90	17.97	36.757848	-110.187484
60	10.30	678	130	14.72	36.731377	-110.209655
65	6.97	668	170	12.79	36.713816	-110.222639
70	4.83	653	180	11.15	36.699487	-110.235233
75	4.69	642	150	10.97	36.690719	-110.233938
80	4.97	626	190	11.09	36.682507	-110.230270
85	5.48	607	190	11.33	36.674067	-110.226141
90	6.01	582	180	11.47	36.665181	-110.224091
95	6.89	538	170	11.57	36.656110	-110.223524
100	7.92	468	150	11.55	36.647141	-110.225226
105	8.37	402	140	11.05	36.639469	-110.233118
110 115	8.65 8.10 7.40	340 259 200	140 160 240	10.35 8.90 7.59	36.633349 36.631397	-110.243697 -110.262374 -110.279049
120 125 130	6.24 5.11	135 116	520 480	5.99 5.32	36.631080 36.634314 36.634472	-110.279049 -110.297716 -110.307054
135	4.42	133	270	5.46	36.630548	-110.309518
140	3.84	152	250	5.61	36.626576	-110.312321
145	4.03	177	180	6.11	36.620234	-110.313483
150	4.42	199	190	6.60	36.613834	-110.315772
155	5.26	219	210	7.25	36.606161	-110.318429
160	6.16	238	220	7.90	36.598475	-110.322479
165	7.06	252	160	8.45	36.591834	-110.328250
170	8.01	259	120	8.87	36.586671	-110.335495
175	8.65	267	120	9.20	36.582825	-110.343770
180	9.12	281	130	9.58	36.579092	-110.352750
185	8.84	301	200	9.82	36.577252	-110.362337
190	8.37	313	150	9.86	36.577911	-110.371927
195	7.48	316	220	9.61	36.581738	-110.380615
200	6.56	305	190	9.12	36.588171	-110.387687
205	5.62	296	210	8.61	36.595024	-110.393533
210	4.69	275	270	7.88	36.603900	-110.396866
215	4.22	261	320	7.45	36.610387	-110.400599
220	3.84	237	360	6.91	36.617656	-110.402495
225	4.16	232	270	6.99	36.620812	-110.408101
230	4.76	255	150	7.61	36.621212	-110.418115
235	5.78	258	240	8.08	36.623532	-110.426945
240	6.97	299	270	9.19	36.623896	-110.441925
245	7.83	367	210	10.46	36.625461	-110.458944
250	8.56	396	180	11.04	36.631219	-110.469067
255	8.46	398	190	11.04	36.639502	-110.472230
260	8.19	371	230	10.63	36.648587	-110.470131
265	7.31	382	310	10.43	36.657016	-110.469256
270	6.32	441	430	10.62	36.665191	-110.471799
275	5.70	445	530	10.34	36.673296	-110.468208
280	5.11	428	460	9.85	36.680588	-110.461565
285	4.76	385	520	9.23	36.686707	-110.452802
290	4.49	373	540	8.96	36.692761	-110.447141
295	6.08	369	570	9.76	36.702324	-110.452024
300	8.46	370	470	10.71	36.713388	-110.456857
305	15.01	360	330	12.26	36.728436	-110.465435
310	24.81	350	430	13.67	36.744220	-110.470283
315	41.62	362	460	15.79	36.765615	-110.478118
320	64.52	395	600	18.44	36.792216	-110.485864
325	91.20	373	730	19.56	36.809320	-110.478807
330	122.15	419	660	22.20	36.838094	-110.477484
335	150.93	483	660	25.14	36.870149	-110.472217
340	181.05	535	550	27.92	36.901198	-110.460163
345	202.50	576	560	29.90	36.925023	-110.439831
350 355	222.31 235.71	595 607	530 470	31.23 32.07	36.941907 36.952590	-110.439831 -110.413788 -110.384208

ComStudy 2.2 search of channel 251 (98.1 MHz Class D) at 36-39-54.9 N, 110-21-09.9 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
KNDN-FM	SHIPROCK	NM 248 C1	114.82	0.00	101.1	28.77 dB
KREC	BRIAN HEAD	UT 251 C	260.25	0.00	292.9	36.84 dB
K252ER	CHINLE	AZ 252 D	58.20	0.00	126.6	22.61 dB
KRTZ	CORTEZ	co 254 c	150.79	0.00	65.4	20.37 dB



RED – 40 dBu interfering vs. 60 dBu protected (co-channel)

BLUE – 54 dBu interfering vs. 60 dBu protected (first-adjacent)

BLACK – 100 dBu interfering vs. 60 dBu protected (second/third-adjacent)

REQUEST FOR WAIVERS OF §74.1232 and §74.1235 OF THE COMMISSION'S RULES PROPOSED FACILITY ENTIRELY IN "WHITE AREA"

K251BC Kayneta, AZ Channel 251D (98.1 MHz)

The instant translator application meets the technical and administrative requirements of the Commission's Rules with the exception of §74.1232(d) and §74.1235(b)(2).

§74.1232(d) of the Commission's Rules requires that an authorization for a FM translator whose coverage contour extends beyond the protected contour of the commercial primary station will not be granted to the licensee or permittee of a commercial FM broadcast station. In the instant application, Redrock Radio Group, LLC (RRG) is currently the licensee of primary station KBDX, Blanding, Utah (Facility ID #89048) as well as the licensee of the instant translator. The 60 dBu coverage contour of the proposed translator is fully outside of the 60 dBu protected contour of KBDX.

§74.1235(b)(2) of the Commission's Rules set specific power limits for non-fill in translators based on the radial height above average terrain along 12 equally-spaced radials. The instant application does not meet the requirements of §74.1235(b)(2) along the 330, 0 and 30 degree radials as shown:

Radial	HAAT along radial	§74.1235(b)(2) maximum ERP along radial	Proposed rounded ERP along radial
0	621	10 watts	248 watts
30	647	10 watts	134 watts
60	678	10 watts	10 watts
90	582	10 watts	6 watts
120	200	62 watts	7 watts
150	199	62 watts	4 watts
180	281	34 watts	9 watts
210	285	34 watts	5 watts
240	299	28 watts	7 watts
270	441	13 watts	6 watts
300	370	19 watts	8 watts
330	419	15.5 watts	122 watts

<u>Translator is proposed to serve a "white area"</u> – Currently, there are significantly large areas of northern Arizona and southern Utah that are not in the 60 dBu protected service contour of any full-service FM broadcast station, either commercial or non-commercial. A lack of broadcast service can result in population not receiving EAS alerts and other critical information. To address the concerns of serving white areas, the Commission is favored towards waiving

§74.1235(b)(2) if it can be demonstrated that the service to a greater distance only reaches a "white area". Also in the *Translator Order*, the Commission stated that:

[w]ith respect to service issues, an FM translator may not be licensed to a commercial broadcast station if the translator's coverage contour goes beyond the primary station's coverage contour. However, in "white area" situations, beyond the protected service contour of any full-time aural service, we will be favorably disposed toward requests for waivers of our rules to permit commercial primary station ownership.²

In the instant application, the proposed translator's (60 dBu) coverage contour is entirely in areas that does not receive any full-time FM broadcast service from any full-service commercial or noncommercial educational station. RRG will demonstrate this "white area" in the maps that follow in this exhibit.

The ability to provide Emergency Alert System and other vital information to all parts of America is in the public interest as it helps residents and visitors prepare for an impending emergency, encourage safety and improve the quality of life. Local radio stations like KBDX are offering to come to the plate to provide reliable full-time FM radio service in those remote parts of our country that would otherwise not be served. RRG recognizes that applicants seeking a rule waiver have the burden to plead with particularity the facts and circumstances that warrant such action.³ RRG also recognizes that an application for waiver does face a "high hurdle even at the starting gate" and must support its waiver request with a compelling showing.⁵ In the *Translator Order*, the Commission already recognizes that providing some form of reliable full-time FM radio service into "white areas" without restrictions on outer limits on translator service areas and ownership of translators in these underserved areas is in the public interest.

In order to provide vital services into this underserved area of Navajo County, RRG requests a waiver of §74.1232(d) and §74.1235(b)(2) of the Commission's Rules.

Prepared by: Michelle Bradley REC Networks 202 621-2355

¹ - See *Amendment of Part 74 of the FM Commission's Rules Concerning Translator Stations*, Report and Order, 5 FCC Rcd 7212, 7213 ("Translator Order") (November 8, 1990) at para. 7.

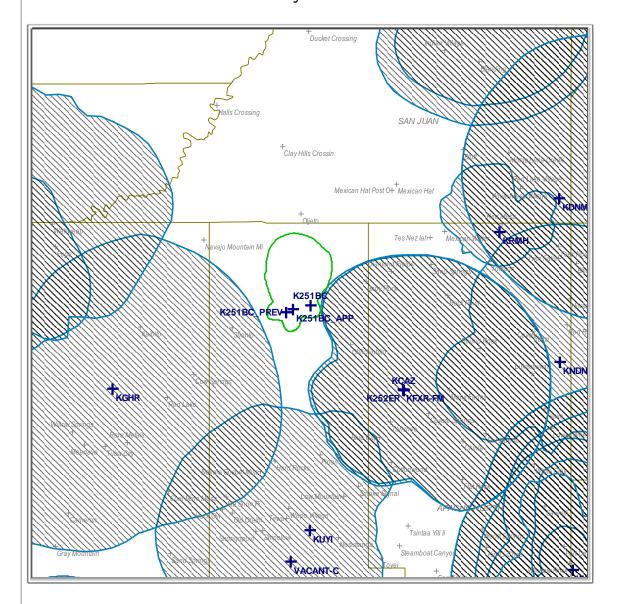
² - See *Id.* at para. 6.

³ - See *Columbia Communications Corp. v. FCC*, 832 F. 2d. 189, 192 (D.C. Cir, 1987) (citing *Rio Grande Family Fellowship v. FCC*, 406 F. 2d. 644, 666 (D.C. Cir. 1968)).

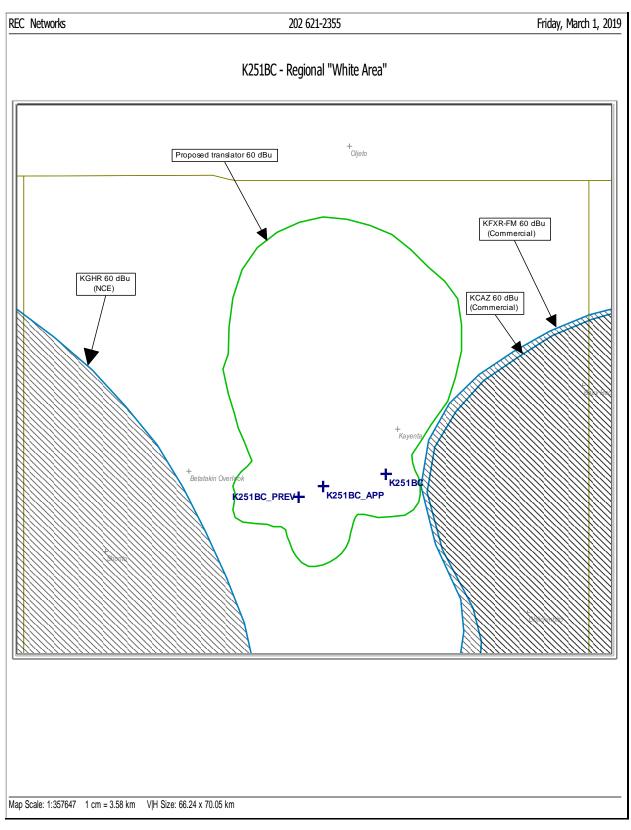
⁴ - See *WAIT Radio v. FCC*, 418 F. 2d 1153, 1157 (D.C. Cir. 1969), *aff'd*, 459 F. 2d 1203 (1972), *cert. denied*, 93 S. Ct. 41 (1972) ("*WAIT Radio*"). See also *Thomas Radio v. FCC*, 716 F. 2d 921, 924 (D.C. Cir 1983).

⁵ - See *Greater Media Radio Co., Inc.*, Memorandum Opinion and Order, 15 FCC Rcd. 7090 (1999) (citing *Stoner Broadcasting System, Inc.*, Memorandum Opinion and Order, 49 FCC 2d. 1011, 1012 (1974)).

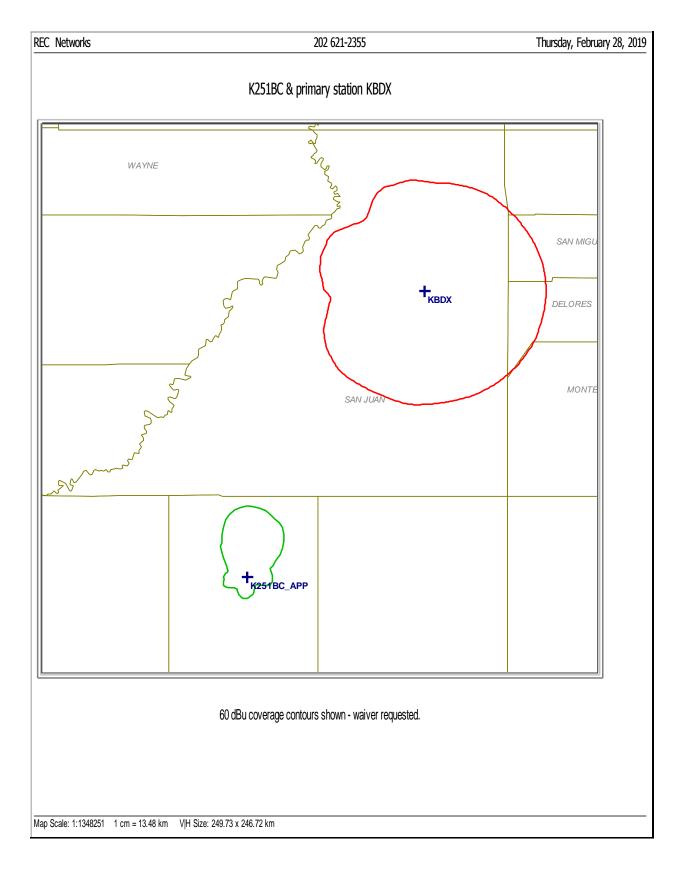
K251BC - Regional "White Area"



Blue curves are existing full-service stations / Green is proposed translator



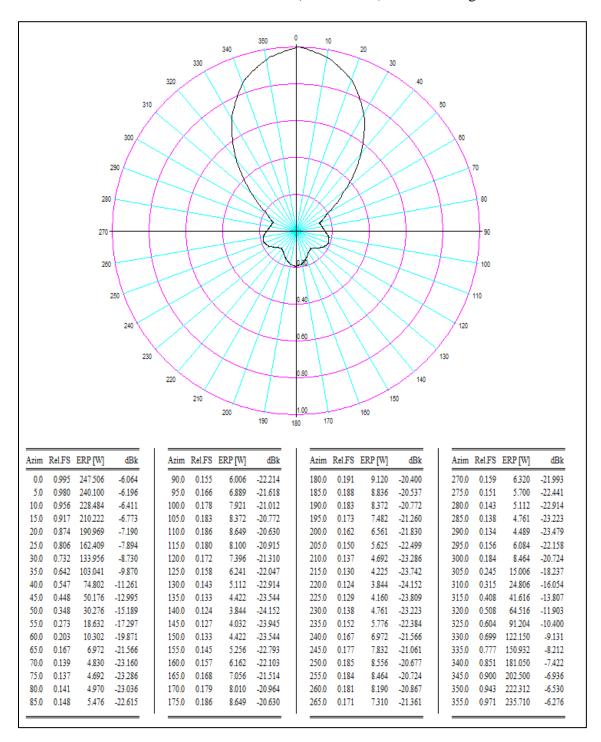
Proposed translator is entirely in white area.



ANTENNA PROPOSED

K251BC Kayneta, AZ Channel 251D (98.1 MHz)

Kathrein Scala CA-5-CP/RM (off the shelf) rotation 1 degree.



TOWAIR RESULT

K251BC Kayneta, AZ Channel 251D (98.1 MHz)

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications				
NAD83 Coordinates				
Latitude	36-39-59.0 north			
Longitude	110-21-12.4 west			
Measurements (Meters)				
Overall Structure Height (AGL)	36.6			
Support Structure Height (AGL)	36.6			
Site Elevation (AMSL)	2440			
Structure Type				
GTOWER - Guyed Structure Used for Communication Purposes				