

KYLZ (Proposed Booster)

Provo, UT

Proposed New Booster Facility

Application Overview:

The Applicant proposes a New FM Booster using the following parameters:

Tech Box:

Channel:	284
Antenna Coordinates:	N40-18-00, W111-38-38 (NAD 27)
ASRN:	N/A
Tower Site Base AMSL:	1621 m
Overall Tower Height AGL:	21 m
COR AGL:	20 m
ERP:	0.6 kW
Directional Antenna:	Yes - see Exhibit 4

Primary Station and Booster Protected Contour Relationship:

Exhibit 1 demonstrates that the proposed booster facility's protected contour is completely encompassed by the protected contour of the primary station being rebroadcast.

Interference Study:

Exhibit 2 is a contour overlap study demonstrating that the proposed antenna site provides requisite contour protection towards all applications, authorizations, and permits pursuant to Section 74.1204.

Proposed Booster to Combine into a Shared Antenna:

The signal of the proposed booster is to be combined into an antenna currently authorized for use by the following station(s):

- KZZQ-FM3 Provo, UT (see BLFTB-20050906ABD)
- KYMV-FM1 Provo, UT (see BLFTB-20060907ABB)
- KEGA-FM5 Provo, UT (see BLFTB-20050518AFW)
- KJQN-FM4 Provo, UT (see BLFTB-20041105AFG)
- KBMG-FM3 Provo, UT (see BLFTB-20050316ABC)
- KDUT-FM5 Provo, UT (see BLFTB-20050526AHC)
- KGNT-FM1 Provo, UT (see BNPFTB-20050520AEQ)

Therefore, the applicant agrees to make sufficient measurements to establish that the operation of the booster is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements will be made with all stations simultaneously into the combined antenna and will be submitted to the Commission along with the FCC Form 350 application for license.

Since the proposed booster antenna is to be combined into the directional antenna of another previously authorized facility on the tower, it will have no effect on the antenna pattern of the other previously authorized facilities on the tower (such as K225AP Provo BLFT-20070521ABA).

Downward Radiation Study (Measure Upon Construction)

Due to the fact that several existing and proposed emitters are located at or near the site, the applicant agrees to conduct a Radiofrequency Electromagnetic Field survey at the site upon construction of the proposed facility to ensure that any areas at ground level that exceed the Commission's exposure guideline values are appropriately marked and fenced. The results of the survey will be provided with the application for license.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

Existing Tower:

The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 1

**Primary Station Protected Contour
vs.
Proposed Booster Protected Contour**

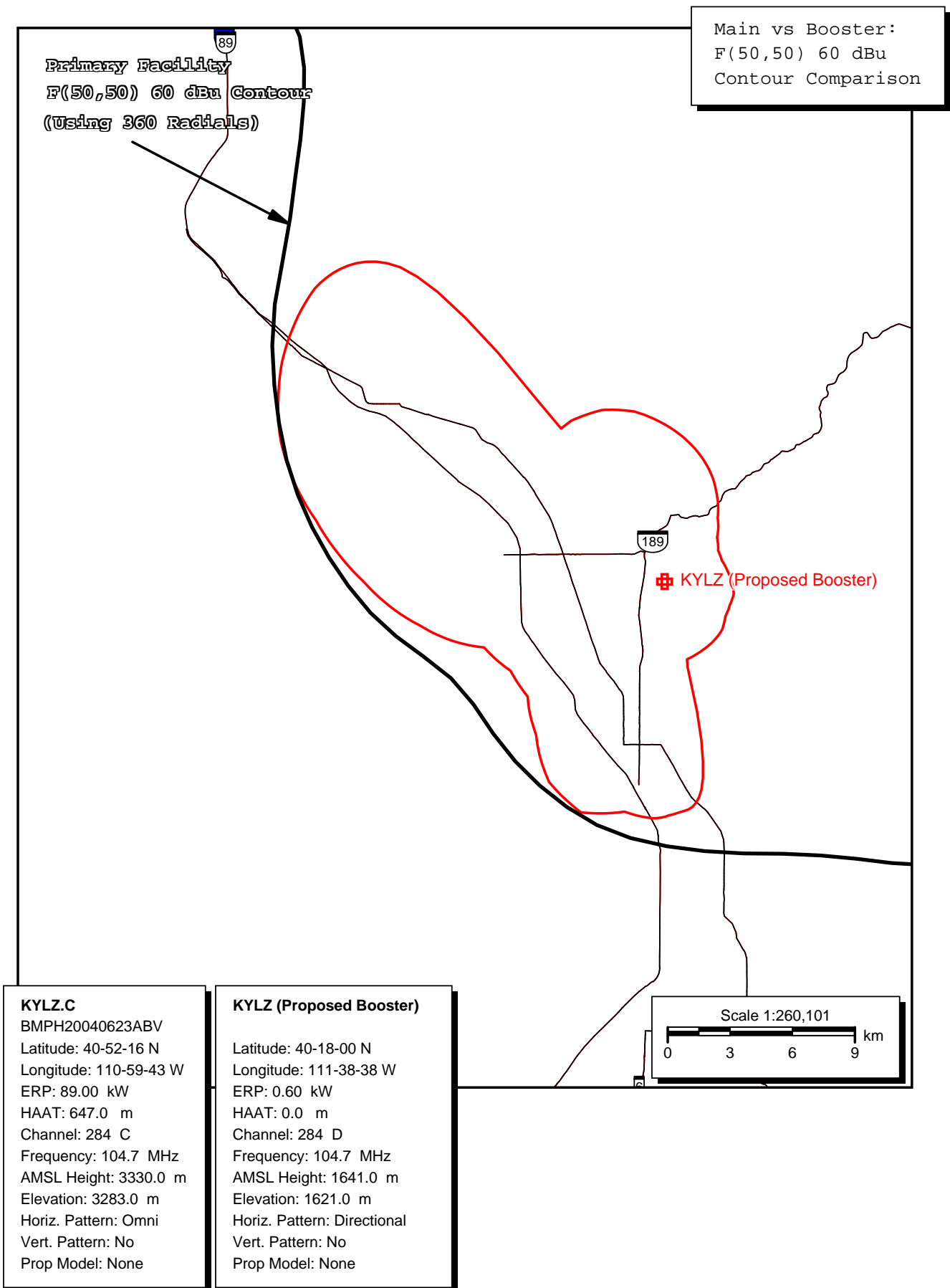


Exhibit 2

Section 74.1204 Interference Tabulations

KYLZ (New) Proposed Booster

Section 74.1204 Antenna Site Channel Study

REFERENCE
40 18 00.0 N.
111 38 38.0 W.

CH# 284D - 104.7 MHz, Pwr= 0.6 kW, HAAT= 0.0 M, COR= 1641 M
Average Protected F(50-50)= 8.9 km

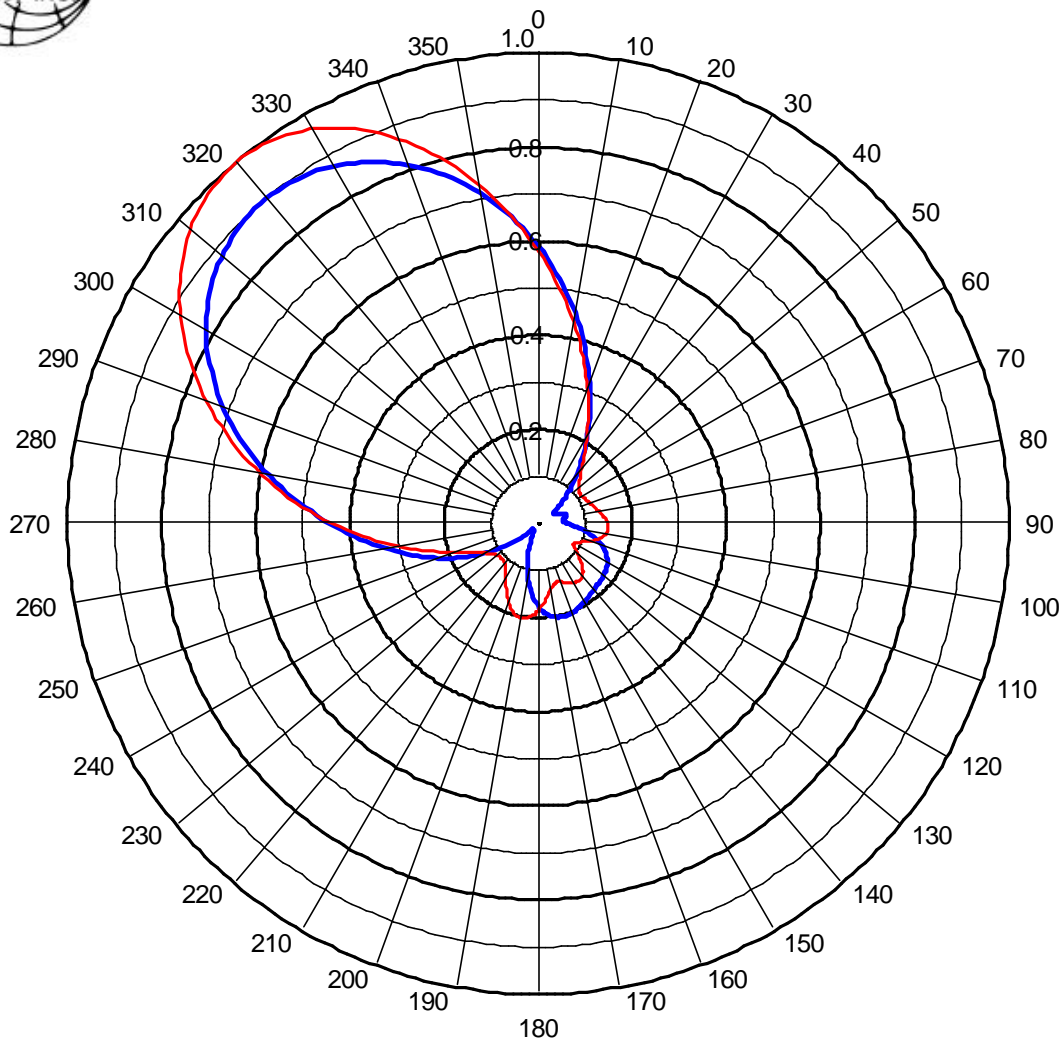
DISPLAY DATES
DATA 09-09-08
SEARCH 10-06-08

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
284C Lyman	KYLZ	CP HX WY	40.6 221.0	83.89 BMPH20040623ABV	40 52 16.0 110 59 43.0	89.000 647	202.6 3330	95.1 3 Point Media - Utah, L.L.	-122.66*	-23.83*
284C Lyman	AL0268	RSV WY	51.2 231.9	102.65 RM10773	40 52 24.0 110 41 34.0	100.000 600	198.1 3636	92.0	-98.66*	0.19
284D Provo	K284AI	LIC DC UT	265.4 85.2	24.91 BLFT20011113ACK	40 16 54.0 111 56 09.0	0.047	83.1 2333	26.5 Studio City, Llc	-71.56*	-46.24*
286C Manti	KAUU	LIC NHX UT	174.6 354.6	60.20 BMLH20030926APE	39 45 37.0 111 34 38.0	48.000 684	11.5 2812	88.8 Millcreek Broadcasting, L.	37.66	-28.99*
286D Lehi	KAUU-FM1	LIC DV UT	264.7 84.5	24.72 BMLFTB20031202AC	40 16 45.0 111 56 00.0	2.100	2.1 2300	53.1 Millcreek Broadcasting, L.	9.44	-28.84*
282C Salt Lake City	KSOP-FM	LIC CX UT	310.5 130.1	61.87 BLH20040205AAJ	40 39 34.0 112 12 05.0	25.000 1140	9.5 2803	89.2 Ksop, Inc.	30.42	-28.80*
286C American Fork	KAUU	APP CX UT	310.5 130.2	61.95 BPH20080325AID	40 39 37.0 112 12 06.0	23.000 1203	9.2 2789	87.9 Millcreek Broadcasting, L.	30.86	-27.51*
286C American Fork	AL2518	RSV UT	310.5 130.1	61.87 RM11363	40 39 34.0 112 12 05.0	100.000 600	11.2 2188	77.4	28.80	-17.03*
284D Stockton	K284AY	LIC V UT	285.6 105.1	67.33 BLFT20060112AET	40 27 36.0 112 24 31.0	0.010	10.2 2000	3.2 University Of Utah	38.62	5.96
284D Heber City	K284AJ	LIC DH UT	26.2 206.3	32.21 BLFT20011120ABE	40 33 36.0 111 28 32.0	0.050	6.8 2566	0.8 Citadel Broadcasting Compa	20.08	13.82
287D Holladay	K287AE	LIC DE UT	312.0 131.7	55.30 BLFT20060809AJV	40 37 53.0 112 07 50.0	0.205	0.1 2089	8.7 Community Wireless Of Park	33.35	45.04
231C Salt Lake City	KODJ	LIC CX UT	310.5 130.1	61.89 BLH20061005ADE	40 39 35.0 112 12 05.0	21.500 1219	28.6 2801	8.5 Citicasters Licenses, L.p.	28.5R	33.4M
286D Price	KAUU-3	APP C UT	137.1 317.5	82.36 BNPFTB20011109AC	39 45 22.0 110 59 16.0	0.300	1.2 2995	30.8 Millcreek Broadcasting, L.	77.48	51.26
231D Park City	KODJ-FM1	LIC DC UT	12.6 192.7	63.24 BLFTB20070920ACA	40 51 20.3 111 28 47.7	1.000	28.6 2825	8.5 Citicasters Licenses, L.p.	9.5R	53.7M

Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
ERP and HAAT on direct-line with reference station.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

Exhibit 4

Proposed Directional Pattern Azimuth Tabulations



Azimuth Pattern Details

Customer: Simmons Media

Model: JCPD-1/2 (2)

Type: FM Panel Booster Antenna

Channels: 95.9-107.9 MHz

Notes: Circularly Polarized, 1-bay, 4-dipole FM Panel Antenna

Blue = H-Pol

Red = V-Pol



<u>AZIMUTH</u>	<u>HPOL</u>	<u>VPOL</u>
0	0.590	0.579
5	0.522	0.505
10	0.453	0.434
15	0.385	0.367
20	0.320	0.306
25	0.260	0.251
30	0.206	0.204
35	0.160	0.168
40	0.120	0.141
45	0.086	0.124
50	0.058	0.113
55	0.041	0.109
60	0.043	0.110
65	0.052	0.115
70	0.059	0.120
75	0.059	0.126
80	0.055	0.134
85	0.054	0.142
90	0.063	0.148
95	0.082	0.150
100	0.106	0.144
105	0.128	0.130
110	0.147	0.112
115	0.161	0.094
120	0.169	0.087
125	0.175	0.096
130	0.178	0.115
135	0.180	0.133
140	0.184	0.145
145	0.188	0.149
150	0.193	0.146
155	0.199	0.138
160	0.203	0.132
165	0.205	0.133
170	0.201	0.145
175	0.192	0.165

<u>AZIMUTH</u>	<u>HPOL</u>	<u>VPOL</u>
180	0.175	0.185
185	0.151	0.199
190	0.122	0.204
195	0.089	0.197
200	0.057	0.181
205	0.030	0.158
210	0.016	0.136
215	0.017	0.119
220	0.016	0.110
225	0.019	0.107
230	0.042	0.109
235	0.077	0.114
240	0.119	0.126
245	0.166	0.147
250	0.214	0.181
255	0.266	0.229
260	0.320	0.290
265	0.379	0.360
270	0.443	0.438
275	0.511	0.517
280	0.580	0.597
285	0.647	0.674
290	0.710	0.747
295	0.766	0.815
300	0.814	0.876
305	0.852	0.927
310	0.879	0.966
315	0.895	0.991
320	0.900	1.000
325	0.893	0.992
330	0.876	0.966
335	0.848	0.925
340	0.811	0.870
345	0.765	0.804
350	0.712	0.731
355	0.653	0.655