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Templo De Dios, Inc. 1
Identification of Facilities
Cedar Hill, Texas

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed	TX	CEDAR HILL	101.50000		D	12.00	APP
Unknown or New	CP	0000135306	TEMPLO DE DIOS, INC.	1			
32-32-36.0	N	96-57-33.0 W	101.879 303.000				
K268BQ	TX	MEXIA	101.50000		D	99.00	LIC
Unknown or New	CP	0000135306	TEMPLO DE DIOS, INC.	1			
32-31-19.4	N	96-57-22.6 W	27.567 254.000				
KDGE	TX	FORT WORTH-DALLAS	102.10000		C	100000.00	LIC
Unknown or New	CP	BLH-20141222AFE	IHM LICENSES, LLC				
32-35-20.5	N	96-58-06.0 W	523.020 736.000				
WRR	TX	DALLAS	101.10000		C	100000.00	LIC
Unknown or New	CP	BMLH-20160229ABS	CITY OF DALLAS, TEXAS				
32-35-19.5	N	96-58-06.0 W	487.001 697.000				
KCBI	TX	DALLAS	90.90000		C	100000.00	LIC
Unknown or New	CP	BLED-19880511KB	FIRST DALLAS MEDIA, INC.				
32-35-22.4	N	96-58-11.0 W	437.151 651.000				
K268CL	TX	GARLAND	101.50000		D	250.00	LIC
Unknown or New	CP	BLFT-20150902ADZ	RADIO FORTALEZA INTERNACIONAL				
32-48-13.4	N	96-37-39.9 W	32.744 204.000				
KYDA	TX	AZLE	101.70000		C	92000.00	LIC
Unknown or New	CP	BMLD-20121119AJA	EDUCATIONAL MEDIA FOUNDATION				
33-26-13.4	N	97-29-06.1 W	591.245 901.000				
K268DQ	TX	CLEBURNE	101.50000		D	250.00	LIC
Unknown or New	CP	0000148912	SIGA BROADCASTING CORPORATION				
32-17-00.0	N	97-24-48.4 W	-37.355 228.000				
KYLP-LP	TX	GREENVILLE	101.50000		LP100	100.00	LIC
Unknown or New	CP	BLL-20080711ACP	IGLESIA CRISTIANA EBENEZER OF GREENVILLE, INC.				
33-07-24.4	N	96-05-47.9 W	5.821 193.300				
KNUE	TX	TYLER	101.50000		C0	100000.00	LIC
Unknown or New	CP	BLH-19850307KT	TOWNSQUARE LICENSE, LLC				
32-15-35.6	N	94-57-02.8 W	310.369 463.000				
K267CB	TX	SHERMAN	101.30000		D	250.00	LIC
Unknown or New	CP	BLFT-20170327AAW	BOB MARK ALLEN PRODUCTIONS, INC.				
33-40-34.0	N	96-35-05.0 W	132.608 375.000				

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KLTD TX TEMPLE 101.70000 C3 16500.00 LIC
Unknown or New CP BLH-19951106KB TOWNSQUARE MEDIA KILLEEN-TEMPLE LICENSE,
LLC
31-16-24.6 N 97-23-32.0 W 105.170 340.000

KOXE TX BROWNWOOD 101.30000 C1 100000.00 LIC
Unknown or New CP BMLH-20080721ABA BROWN COUNTY BROADCASTING CO.
31-43-45.5 N 99-01-13.2 W 110.713 627.000

K267AI TX MOODY 101.30000 D 250.00 LIC
Unknown or New CP BLFT-20181123AAB GARY L. MOSS
31-32-15.3 N 97-05-32.9 W 80.743 244.000

Terrain Data is calculated using USGS 3 ARC second Data.

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Interference Area
Cedar Hill, Texas

The proposed translator will broadcast on 268, which is within the 60 dBu contour of second adjacent station WRR on channel 266, and the 60 dBu contour of third adjacent station KDGE on channel 271. The WRR interfering contour at the translator site is 111.2 dBu F(50,50) and the KDGE contour at the translator site is 111.3 dBu F(50,50). Using the ratio of 100:1 (translator to WRR and KDGE) on the second and third adjacent channels, the population within the proposed translator 151.2 dBu and 151.3 dBu contour is zero. Applying the antenna manufacturer's vertical radiation pattern the area of interference is able to be more accurately calculated geometrically than just by using the free space equation alone. This particular antenna is a single bay Shively 6812b. It was determined from the manufacturer's vertical plan that from 75-85 degrees below horizontal the interference area would extend 1 meters toward the ground and extend 1 meters horizontally. We have proposed the antenna radiation center will be 55 meters above ground, thus the interference area will never reach the ground with an Effective Radiated Power of 12 watts. There are no occupied structures or elevated roadways within the interference area of the translator.

Therefore, the application is in compliance with the following: §74.1204 (d) "The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an 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."

Allocation Study

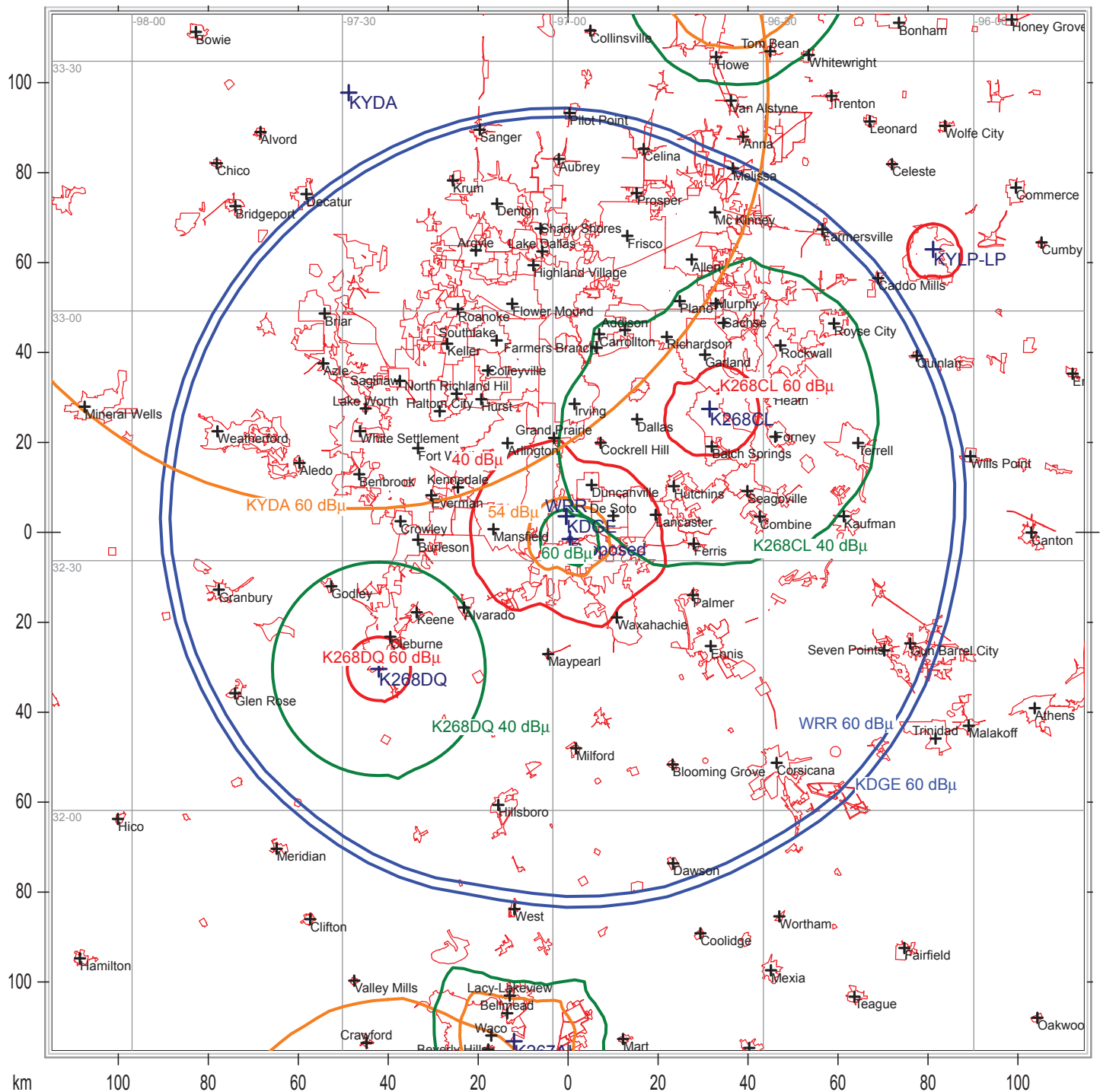


Figure 1
Templo De Dios, Inc. 1
Allocation Study
Mexia, Texas

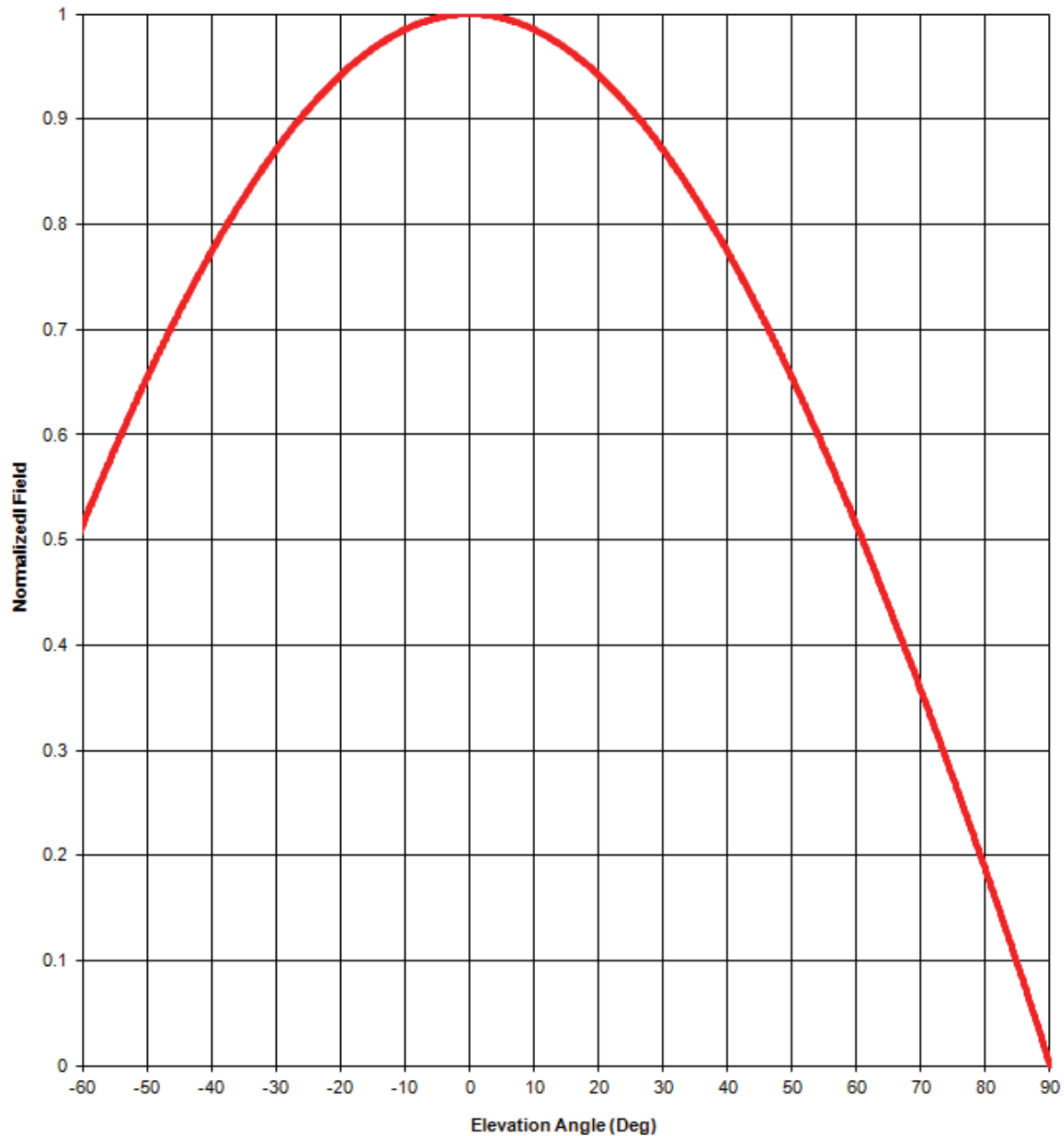
State Borders City Borders Lat/Lon Grid

 State Borders
 City Borders
 Lat/Lon Grid

Figure 3
Minimum Ground Clearance

Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to interfering Contour from Antenna (m)	Horizontal Distance of Interfering contour from tower (m)	Vertical Clearance of Interfering contour above TGL (m)
5	0.996	11.9	1	1.0	54.9
10	0.985	11.6	1	1.0	54.8
15	0.967	11.2	1	1.0	54.7
20	0.942	10.6	1	0.9	54.7
25	0.910	9.9	1	0.9	54.6
30	0.871	9.1	1	0.9	54.5
35	0.826	8.2	1	0.8	55.4
40	0.774	7.2	1	0.8	54.4
45	0.717	6.2	1	0.7	54.3
50	0.654	5.1	1	0.6	54.2
55	0.586	4.1	1	0.6	54.2
60	0.514	3.2	1	0.5	54.1
65	0.437	2.3	1	0.4	54.1
70	0.357	1.5	1	0.3	54.1
75	0.273	0.9	1	0.3	54.0
80	0.186	0.4	1	0.2	54.0
85	0.096	0.1	1	0.1	54.0
90	0.000	0.0	0	0.0	55.0
Minimum Clearance above TGL:					54.0 m

Elevation pattern



Antenna model: 6812b, single bay

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
0.46	-3.39 dB

Document No. 6812b 1-bay fw (130701)

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Degrees	Rel. Field
1	1.000
2	0.999
3	0.999
4	0.998
5	0.996
6	0.995
7	0.993
8	0.991
9	0.988
10	0.985
11	0.982
12	0.979
13	0.975
14	0.971
15	0.967
16	0.963
17	0.958
18	0.953

Degrees	Rel. Field
19	0.948
20	0.942
21	0.936
22	0.930
23	0.924
24	0.917
25	0.910
26	0.903
27	0.895
28	0.887
29	0.879
30	0.871
31	0.862
32	0.854
33	0.845
34	0.835
35	0.826
36	0.816

Degrees	Rel. Field
37	0.806
38	0.796
39	0.785
40	0.774
41	0.763
42	0.752
43	0.741
44	0.729
45	0.717
46	0.705
47	0.693
48	0.680
49	0.667
50	0.654
51	0.641
52	0.628
53	0.614
54	0.600

Degrees	Rel. Field
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324

Degrees	Rel. Field
73	0.307
74	0.290
75	0.273
76	0.256
77	0.239
78	0.221
79	0.204
80	0.186
81	0.168
82	0.151
83	0.133
84	0.114
85	0.096
86	0.078
87	0.059
88	0.040
89	0.021
90	0.000

Elevation Pattern Tabulation

Antenna model: 6812b, single bay

Relative Field at 0° Depression = 1.000