BLFT-20130819AFB
REQUEST FOR MATTOON WAIVER

The modified CP for K254AS (now K253BO) has been constructed and a form 350 filed. Therefore, this second move is requested in accordance with numerous precedents for two step translator moves.

Request for Waiver of Section 74.1233(a)(1):

This application requests a waiver to permit a one-step move to a new site to serve as a fill in translator for KBYB-FM (#33762) in accordance with the waiver granted for W263AQ's move to Effingham, IL (DA-11-1495) and subsequent grants commonly referred to as the *Mattoon Waiver*.

A waiver of Section 74.1233(a)(1) of the Commission's rules is requested to permit this single move of the new translator from its current site to the ASR#1053162. This waiver, when granted, will provide FM translator fill-in service on a timely and economical basis.

In accordance with the waiver granted for the move of W263AQ (DA-11-1495), the proposed facility is mutually exclusive with constructed facility because the proposed 40 dBu (50:10) interfering contour overlaps the short form 60 dBu (50:50) contour (see exhibit E1A). Furthermore, the proposal is not within 39 km of any appendix A LPFM grid (see E1A1) and there are nine (9) LPFM channels available at he proposed site. Therefore, LPFM preclusion is not a factor.

Allocation discussion:

All exhibits utilize the FCC 30 second terrain database.

E1 Channel study
E1A Proposed vs. existing constructed 60 dBu overlap
E1B KTAL-FM and BNPFT-20030317JOQ (Estring) interference analysis
E1C Aerial view of proposed and Estring sites
E1D DA tabulation
E2 60 dBus
E3 ASR-NADCON

A channel study is included as E1 demonstrating compliance with §74.1204 with the exception of 2nd adjacent channel KTAL-FM and Estring Wireless application BNPFT-20030317JOQ

(Estring) analyzed below. A plot of the proposed 60 dBu is provided as E2 showing that it is entirely contained within KBYB-FM 60 dBu.

KTAL-FM analysis:

The proposed K253BO facility will be located inside the protected contour of second adjacent channel KTAL-FM on channel 251C. Exhibit E1B demonstrates that the KTAL-FM contour at the proposed 253APP site is 78.7 dBu. Therefore, an interference analysis has been conducted based on the U/D ratio of +40 dB at the proposed site. The proposed interference contour is 118.7 dBu (+40) or 382.3 meters. The depression angle at this distance is 16.47 degrees (113 meters AGL) resulting in an F factor of 0.752 for the PSI two bay 0.75 wavelength antenna. That results in a reduced ERP of 0.141 kW and an interference contour of 287.1 meters and a vertical clearance from the ground of 31.6 meters. The 109.25 dBu has been calculated at 16.7 degrees and subsequent depression angles through 90 degrees.

Depression Angle (Deg.)	F	ERP X F^2 kW	Int = 109.25 dBu meters	Vertical Clearance AGL(m) (Int X sin Ang - 113 m)
16.47	0.752	0.141	287.1	31.6
20	0.650	0.106	249.0	27.8
25	0.793	0.061	188.9	33.2
30	0.331	0.027	125.7	50.2
35	0.178	0.008	68.4	73.8
40	0.043	0.0005	17.1	102.0
50	0.149	0.006	59.2	67.7
60	0.227	0.013	87.2	37.5
70	0.205	0.011	80.2	37.6
80	0.118	0.0035	45.2	68.5
90	0.001	0.00	00.0	113.0

With a minimum vertical clearance of 27.8 meters, the interference contour does not reach any populated area or major highway. See the aerial photograph included as E1C showing no buildings taller than two stories.

Estring Wireless BNPFT-20030317JOQ interference to K253BO disproval:

The proposed 60 dBu encompasses the site of 2nd adjacent co-pending translator application BNPFT-20030317JOQ (Estring) and appears to receive interference from Estring inside its own 60 dBu. Therefore, the interference must be disproved.

The K253BO-AP contour at the proposed Estring site is 78.5 dBu and the interfering contour is 118.5 dBu (+40) or 131.8 meters. maximum. When the depression angle 36.4 degrees is calculated and the proposed Shively 6812B-1 antenna's elevation pattern is used, this reduced ERP of 0.1648 kW produces an interfering contour of 107.2 meters with a clearance of 33.4 meters above ground. The interfering contour has been further evaluated through 90 degrees and the results are tabulated below.

Depression Angle (Deg.)	F	ERP X F ^{2} kW	Int = 118.5 dBu meters	Vertical Clearance AGL(m) (Int X sin Ang - 97 m)
36.4	0.812	0.1648	131.8	33.4
40	0.774	0.150	102.1	31.4
45	0.729	0.133	96.1	29.0
50	0.654	0.107	86.2	31.0
60	0.514	0.066	67.7	38.4
70	0.357	0.032	47.2	52.6
80	0.186	0.009	25.0	73.4
90	0.000	0.000	00.0	97.0

With a minimum vertical clearance of 29 meters above ground the Estring Wireless application on channel 255 does not cause interference to any populated area or major highway as illustrated by a ground level photograph included from the Estring application in E1C.

K253BO-AP interference to Estring Wireless ch 255 BNPFT-20030317JOQ disproval:

Finally, the proposed Estring contour at the proposed K253BO facility is 75.25 dBu or 191.6 meters. with a resulting interference contour (+40) of 115.25 dBu. The depression angle at this distance based on the mounting height of 113 meters is 30.5 degrees. The vertical clearance of the interference contour has been evaluated at 30 through 90 degrees and is reported below.

Depression Angle (Deg.)	F	ERP X F ^{2} kW	Int = 115.25 dBu meters	Vertical Clearance AGL(m) (Int X sin Ang - 113 m)
30	0.331	0.027	63.0	81.5
40	0.043	0.0005	27.1	95.6
50	0.149	0.006	29.7	90.2
60	0.227	0.013	43.7	75.2
70	0.205	0.011	40.2	75.2
80	0.118	0.0035	22.7	90.6
90	0.001	0.00	00.0	113.0

With a minimum vertical clearance of 81.5 meters, the 253AP interference contour does not reach any populated area or major highway (see aerial view at E1C showing no buildings over two stories).

Clearly, none of these interference contours will not reach any populated area or major highways. Based on this showing, a waiver of Section 74.1204 is requested in accordance with *Living Way Ministries, Inc.* (FCC 08-242).

RF Exposure Calculation:

The proposed facility will be located at an existing tower (ASR#1053162) using a two bay 0.75 wavelength spaced PSIFMT-2A-3DB directional antenna. The RF contribution of the proposed translator was calculated to be 1.4 *u*Watts/cm^2 using the formula included below and a worst case vertical factor of 1.0. This is 0.7% of the maximum permissible 200 microwatts/cm2 exposure for general population/uncontrolled exposure, and well below 5% of that limit which requires consideration.

$$\mathbf{S\ (RF\ in\ uWatts/cm^2) = \frac{33.4\ (F^2\ Vertical\ Factor)\ X\ (H\ ERP + V\ ERP\ in\ Watts)}{R^2\ (distance\ to\ radiation\ center\ in\ meters - 2\ m)}}$$

The proposed translator facility complies with Commission RF radiation limits.

Charles M. Anderson 8-26-2013

E1 CHANNEL STUDY

REFERENCE CH# 253D - 98.5 MHz, Pwr= 0.25 kW DA, HAAT= 127.2 M, COR= 220 M DISPLAY DATES
33 25 45.0 N. Average Protected F(50-50)= 14.48 km DATA 08-21-13
94 07 11.0 W. Standard Directional SEARCH 08-21-13

CH CALL / CITY	TYPE ANT / STATE	AZI / <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* / (Overlap in km)	*OUT*	
253C2 KGAP Clarksville	LIC NCN TX	284.1 103.6	85.68 BLH19960111KM	33 36 47.0 95 01 03.0	50.000 94	130.1 216	44.2 American Media Investments	-54.7*	8.1	
251C KTAL-FM Texarkana	CP _CX TX	169.7 349.7	59.44 BPH20110516ABT	32 54 11.0 94 00 20.0	100.000 484	12.5 554	86.3 Access.1 Louisiana Holding	32.6	-27.7*	(1)
251C0 KTAL-FM Texarkana	LIC _CX TX	169.7 349.7	59.44 BMLH20110418ABH	32 54 11.0 94 00 20.0	100.000 415	11.9 486	81.6 Access.1 Louisiana Holding	33.2	-23.1*	(1)
255D 1563112 Texarkana	APP _C_ TX	103.4 283.4	4.79 BNPFT20030317JOQ	33 25 09.0 94 04 10.0	0.250	1.1 182	11.5 E-string Wireless, Ltd	-10.1*	-7.8*	(1)
253D K254AS Nashville	CP DC_ AR	19.6 199.7	52.17 BMPFT20130701ABZ	33 52 16.0 93 55 49.0	0.250	22.8 120	6.8 First Ventures Capital Par	14.6	-3.8	
253C0 KURB Little Rock	LIC _CY AR	44.0 224.9	213.39 BLH19880727KA	34 47 56.0 92 29 44.0	100.000 392	178.9 518	76.6 Radio License Holding Cbc,	20.2	89.3	

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding
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.
Reference station has protected zone issue:

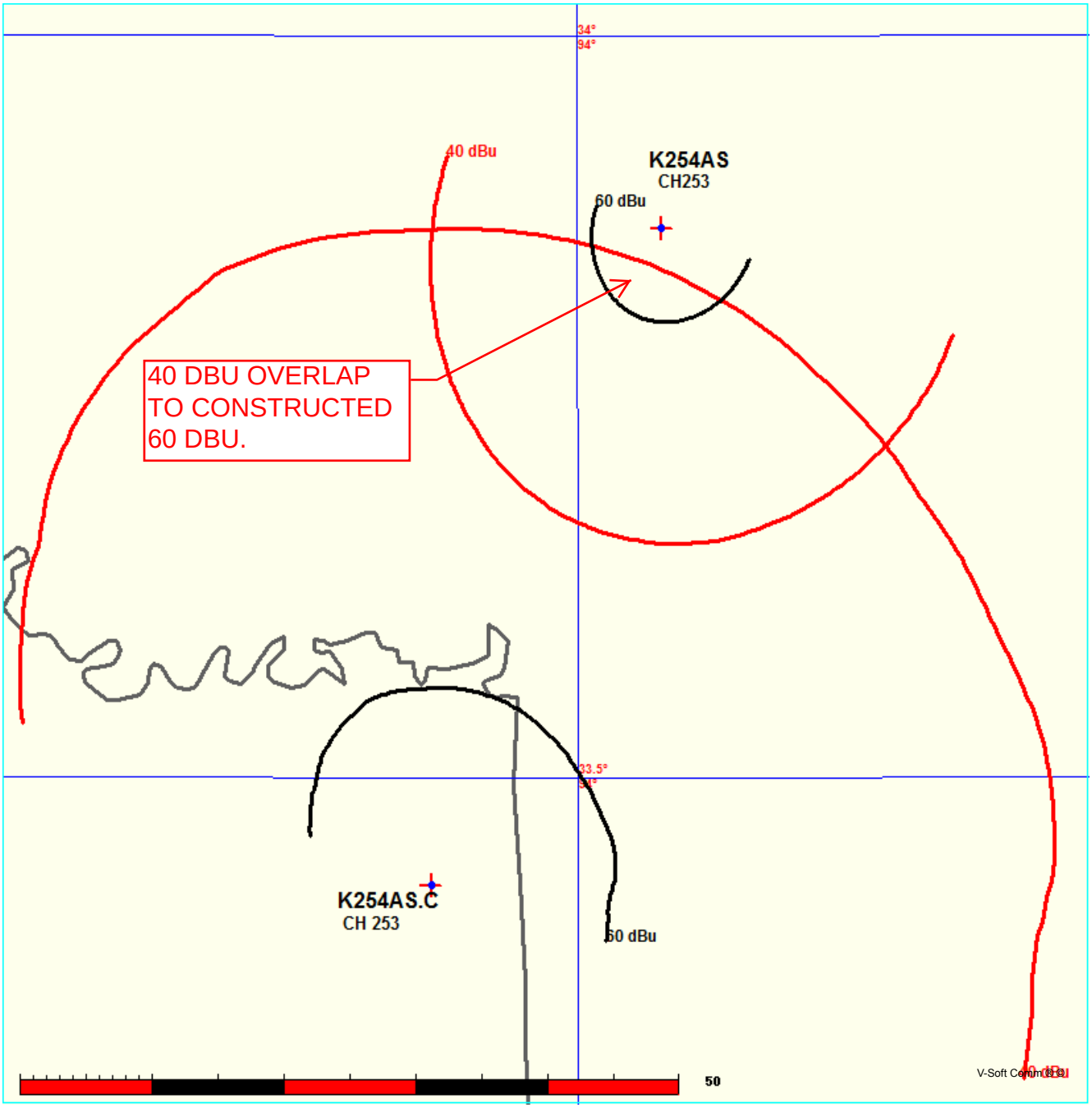
(1) See technical report for disproval of interference.

E1A K253BO-APP "MATTOON OVERLAP"

FMCommander Single Allocation Study - 08-21-2013 - FCC NGDC 30 Sec
K254AS.C's Overlaps (In= 14.64 km, Out= -3.83 km)

K254AS.C CH 253 D DA
Lat= 33 25 45.0, Lng= 94 07 11.0
0.25 kW 127.2 M HAAT, 220 M COR
Prot.= 60 dBu, Intef.= 40 dBu

K254AS CH 253 D DA BMPFT20130701ABZ
Lat= 33 52 16.0, Lng= 93 55 49.0
0.25 kW 0 M HAAT, 120 M COR
Prot.= 60 dBu, Intef.= 40 dBu



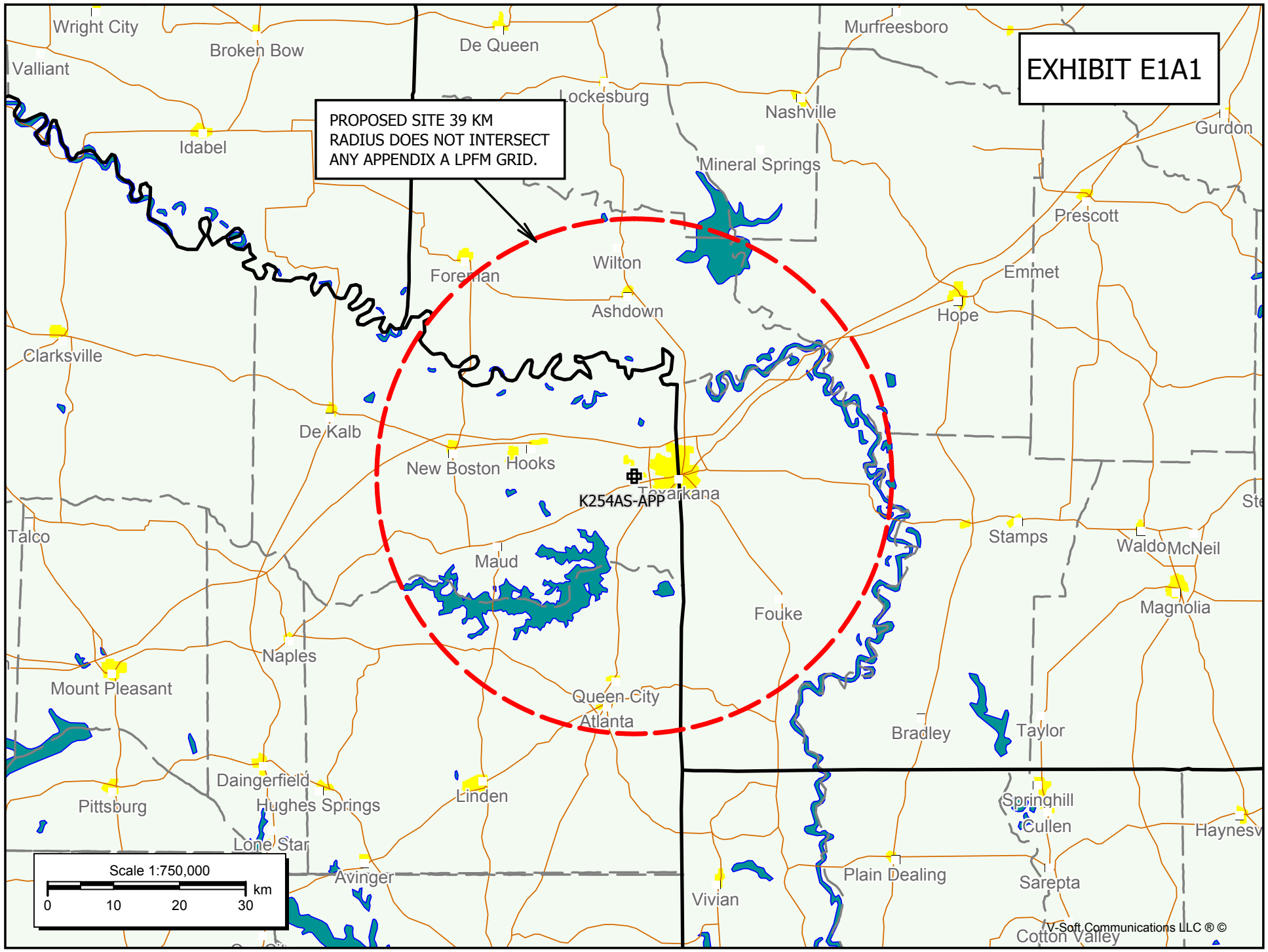


EXHIBIT E1A1
PROPOSED SITE 39 KM RADIUS DOES NOT INTERSECT ANY APPENDIX A LPFM GRID.
K254AS-APP
Wright City
Broken Bow
Valliant
Idabel
De Queen
Murfreesboro
Lockesburg
Nashville
Gurdon
Mineral Springs
Prescott
Wilton
Foreman
Ashdown
Emmet
Hope
Clarksville
De Kalb
New Boston
Hooks
Texarkana
Talco
Stamps
Waldo
McNeil
Maud
Fouke
Magnolia
Naples
Mount Pleasant
Queen City
Atlanta
Bradley
Taylor
Daingerfield
Pittsburg
Hughes Springs
Linden
Springhill
Cullen
Haynesv
Lone Star
Avinger
Plain Dealing
Sarepta
Vivian
Cotton Valley
Scale 1:750,000
km
0
10
20
30
V-Soft Communications LLC ® ©

253D APP LPFM SEARCH AT PROPOSED SITE

Federal Communications Commission

Low Power FM (LPFM) Channel Finder Results

More search options at LPFM Channel Finder Search

AM QUERY FM QUERY TV QUERY TV STATION PROFILES & PUBLIC INSPECTION FILES CDBS SEARCH MEDIA BUREAU

Mon Aug 26 14:39:33 2013

EXCLUDES intermediate frequency (I.F.) spacings
INCLUDES second-adjacent channel spacings

Input options:

Latitude, Longitude: 33° 25' 45", 94 7' 11"

Google Map: 5.6 km radius (approximate 60 dBu service contour coverage)

CONDITIONAL. The requested latitude and longitude meet the PROPOSED LPFM spacing requirements for one or more intermediate frequency (I.F.) channels.

These proposed spacing rules are not yet in effect.

Channels Available for LPFM LP100 Stations
[Channels 201 to 300, corresponding to 88.1 to 107.9 MHz]

```
Channel 201 ----  88.1 MHz
Channel 202 ----  88.3 MHz
Channel 204 ----  88.7 MHz
Channel 245 ----  96.9 MHz
Channel 246 ----  97.1 MHz
Channel 247 ----  97.3 MHz
Channel 248 ----  97.5 MHz
Channel 299 ---- 107.7 MHz
Channel 300 ---- 107.9 MHz
```

This analysis does not determine whether an LPFM station at this location and channel might receive interference within its 60 dBu LPFM service contour from FM broadcast stations already operating or authorized in the band from fully spaced locations. LPFM stations must accept all such interference.

Because the FM database constantly changes, there is no guarantee that channels represented as "available" will be technically acceptable at the time of application filing.

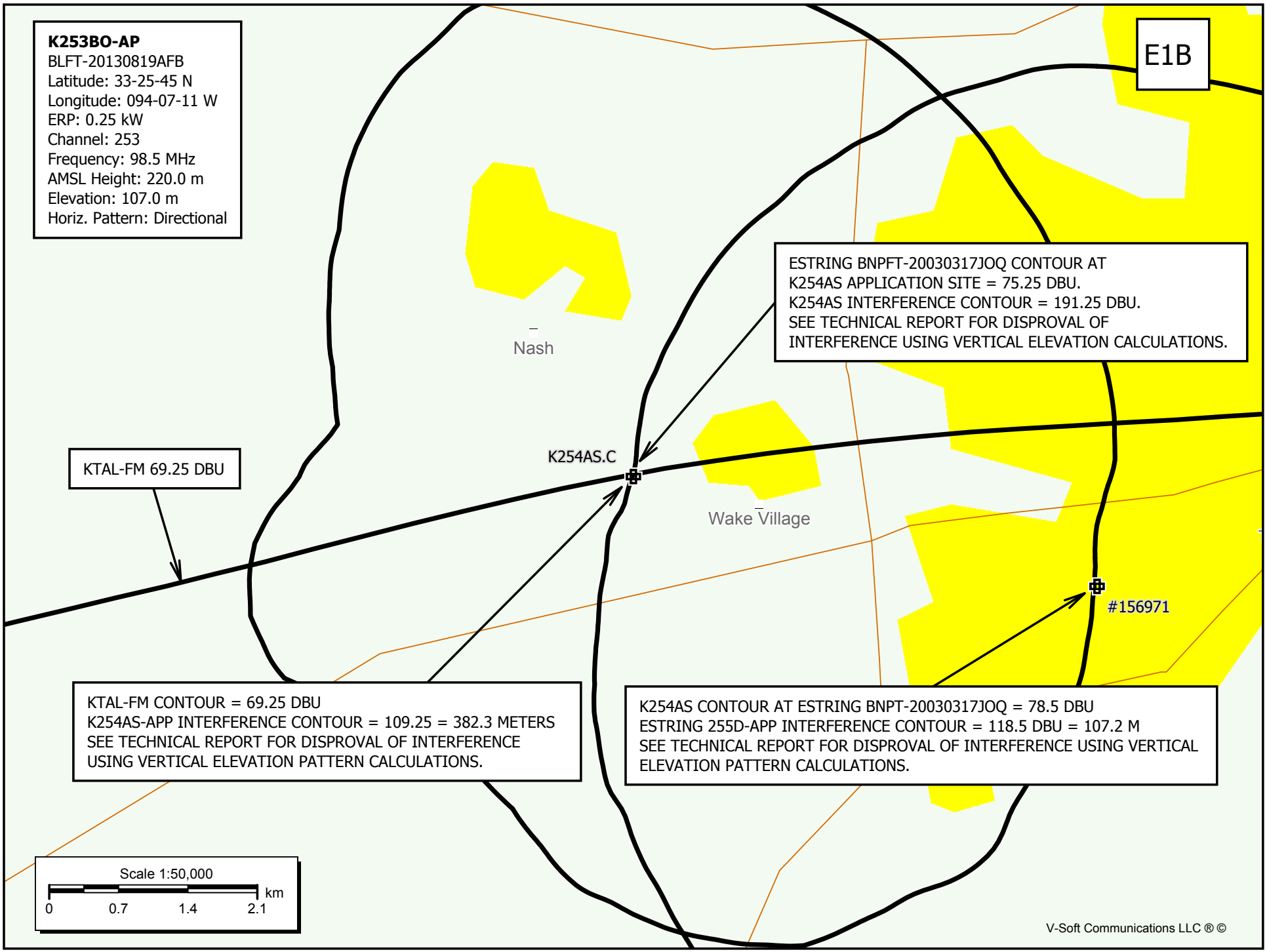
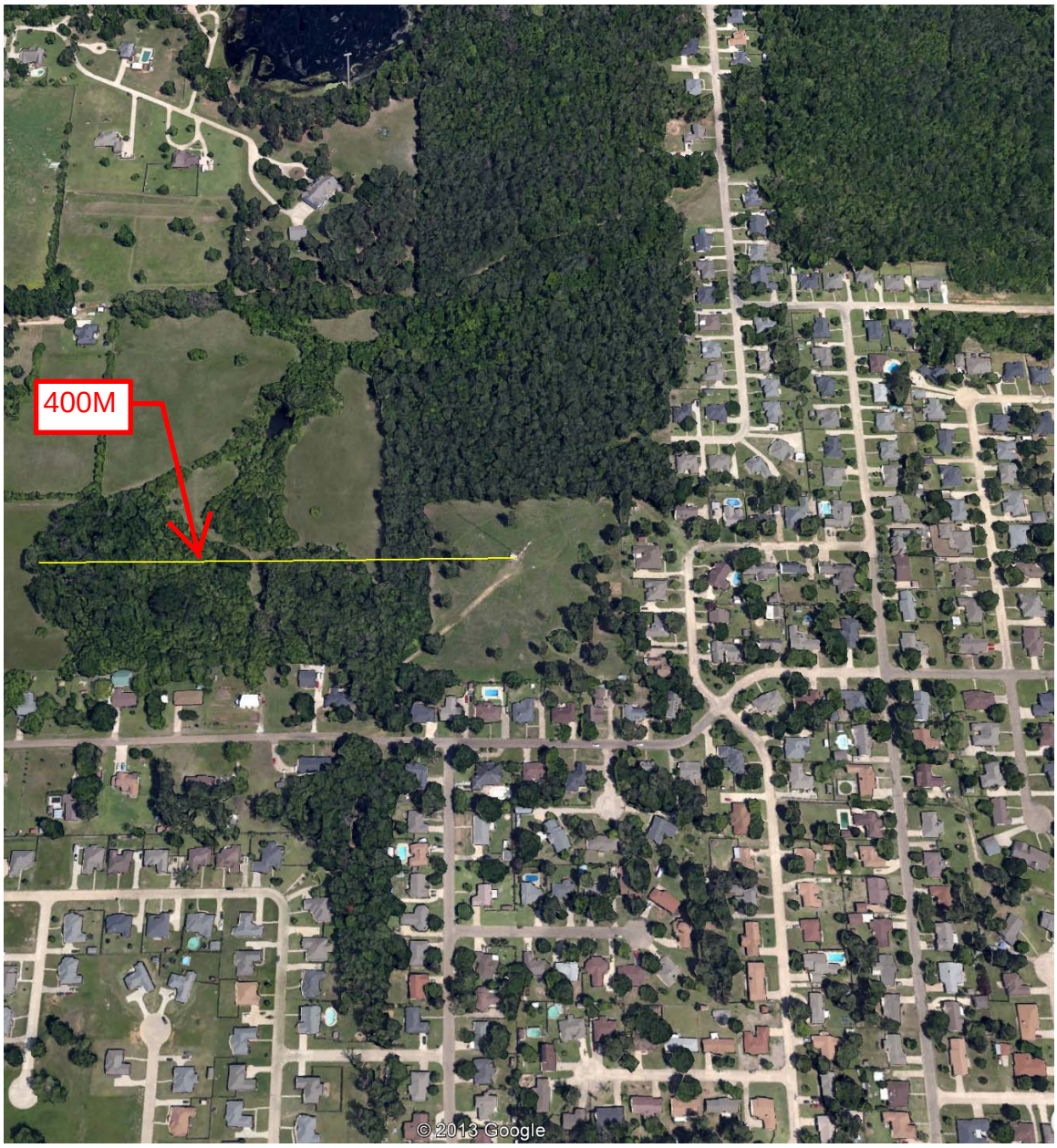

K253BO-AP
BLFT-20130819AFB
Latitude: 33-25-45 N
Longitude: 094-07-11 W
ERP: 0.25 kW
Channel: 253
Frequency: 98.5 MHz
AMSL Height: 220.0 m
Elevation: 107.0 m
Horiz. Pattern: Directional
E1B
ESTRING BNPFT-20030317JOQ CONTOUR AT
K254AS APPLICATION SITE = 75.25 DBU.
K254AS INTERFERENCE CONTOUR = 191.25 DBU.
SEE TECHNICAL REPORT FOR DISPROVAL OF
INTERFERENCE USING VERTICAL ELEVATION CALCULATIONS.
Nash
K254AS.C
KTAL-FM 69.25 DBU
Wake Village
#156971
KTAL-FM CONTOUR = 69.25 DBU
K254AS-APP INTERFERENCE CONTOUR = 109.25 = 382.3 METERS
SEE TECHNICAL REPORT FOR DISPROVAL OF INTERFERENCE
USING VERTICAL ELEVATION PATTERN CALCULATIONS.
K254AS CONTOUR AT ESTRING BNPT-20030317JOQ = 78.5 DBU
ESTRING 255D-APP INTERFERENCE CONTOUR = 118.5 DBU = 107.2 M
SEE TECHNICAL REPORT FOR DISPROVAL OF INTERFERENCE USING VERTICAL
ELEVATION PATTERN CALCULATIONS.
Scale 1:50,000
km
0
0.7
1.4
2.1
V-Soft Communications LLC ® ©

EXHIBIT E1C
AERIAL VIEW OF PROPOSED 253DSITE AND
ESTRING WIRELESS SITE

Proposed 253D site:



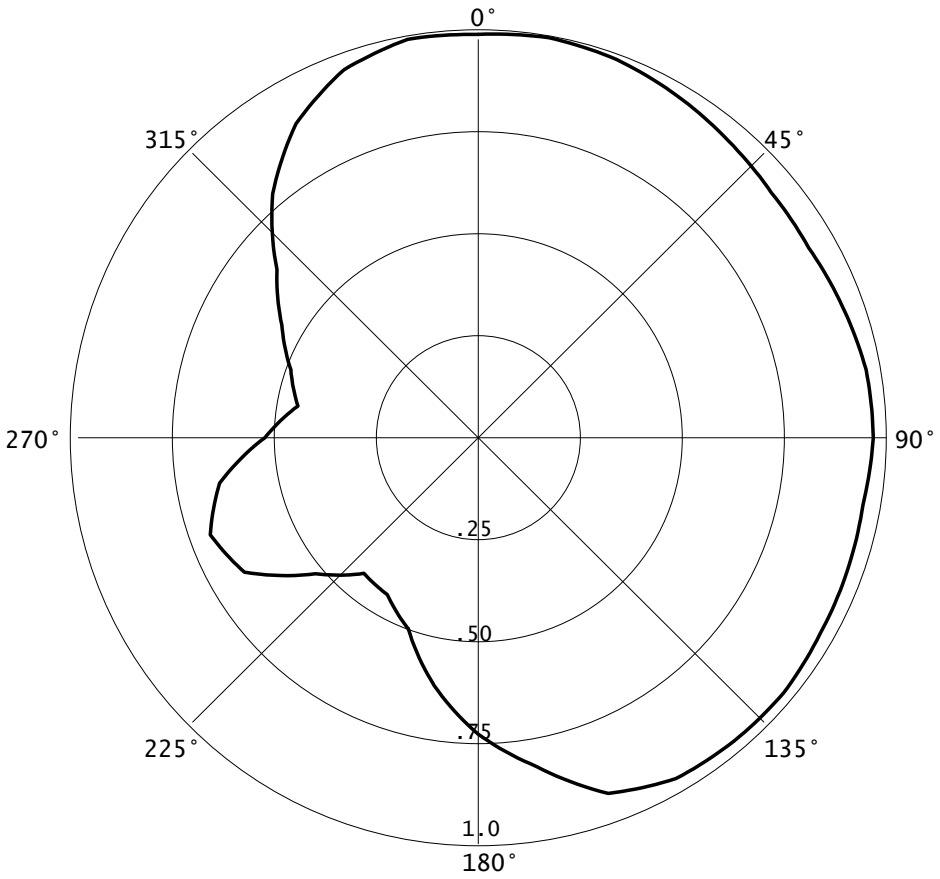
Proposed EString Wireless site:

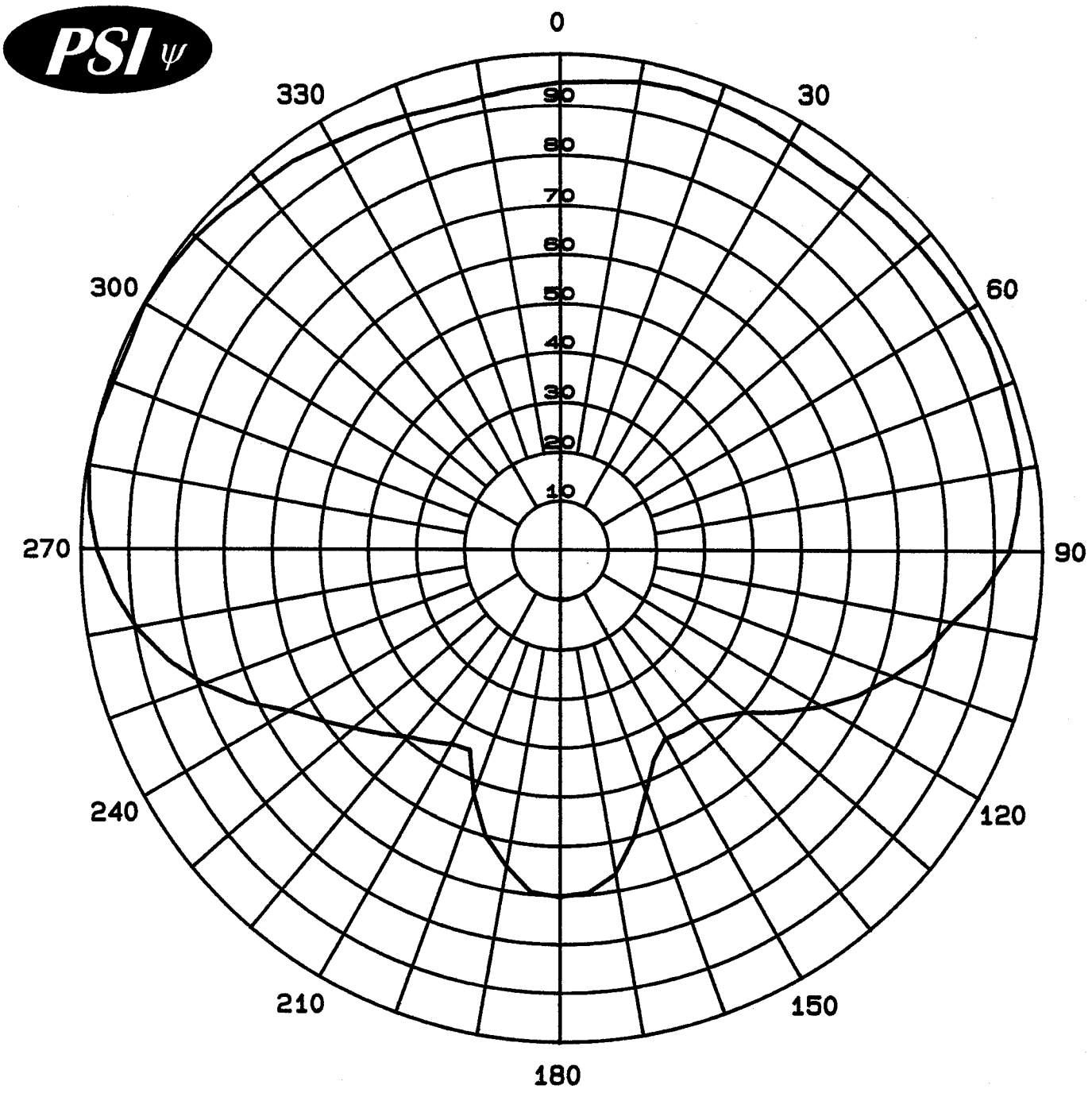
Proposed Estring Wireless tower street view from BNPFT-20030317JOQ app:

E1D DA 08-21-2013 RMS(V)= .824

Azi	Field	dBk	kW
000	0.993	-06.082	0.247
010	1.000	-06.021	0.250
020	0.991	-06.099	0.246
030	0.973	-06.258	0.237
040	0.954	-06.430	0.228
050	0.938	-06.577	0.220
060	0.935	-06.604	0.219
070	0.949	-06.475	0.225
080	0.965	-06.330	0.233
090	0.968	-06.303	0.234
100	0.957	-06.402	0.229
110	0.962	-06.357	0.231
120	0.967	-06.312	0.234
130	0.977	-06.223	0.239
140	0.975	-06.241	0.238
150	0.969	-06.294	0.235
160	0.932	-06.632	0.217
170	0.822	-07.723	0.169
180	0.730	-08.754	0.133
190	0.620	-10.173	0.096
200	0.501	-12.024	0.063
210	0.446	-13.034	0.050
220	0.436	-13.231	0.048
230	0.521	-11.684	0.068
240	0.662	-09.603	0.110
250	0.699	-09.131	0.122
260	0.644	-09.843	0.104
270	0.523	-11.651	0.068
280	0.449	-12.976	0.050
290	0.489	-12.234	0.060
300	0.556	-11.119	0.077
310	0.644	-09.843	0.104
320	0.784	-08.134	0.154
330	0.893	-07.004	0.199
340	0.964	-06.339	0.232
350	0.996	-06.055	0.248

Graph is Relative Field





Azimuth Plane Pattern
Composite Relative Field
Antenna Model: PSIFMT-2A-3DB
Type: Directional Translator
Polarization: Circular
Number of Bays: Two
Gain: 1.55 (1.90 dB)
Date: 11-1-2011

Propagation Systems Inc.
PO Box 113
Ebensburg, PA 15931

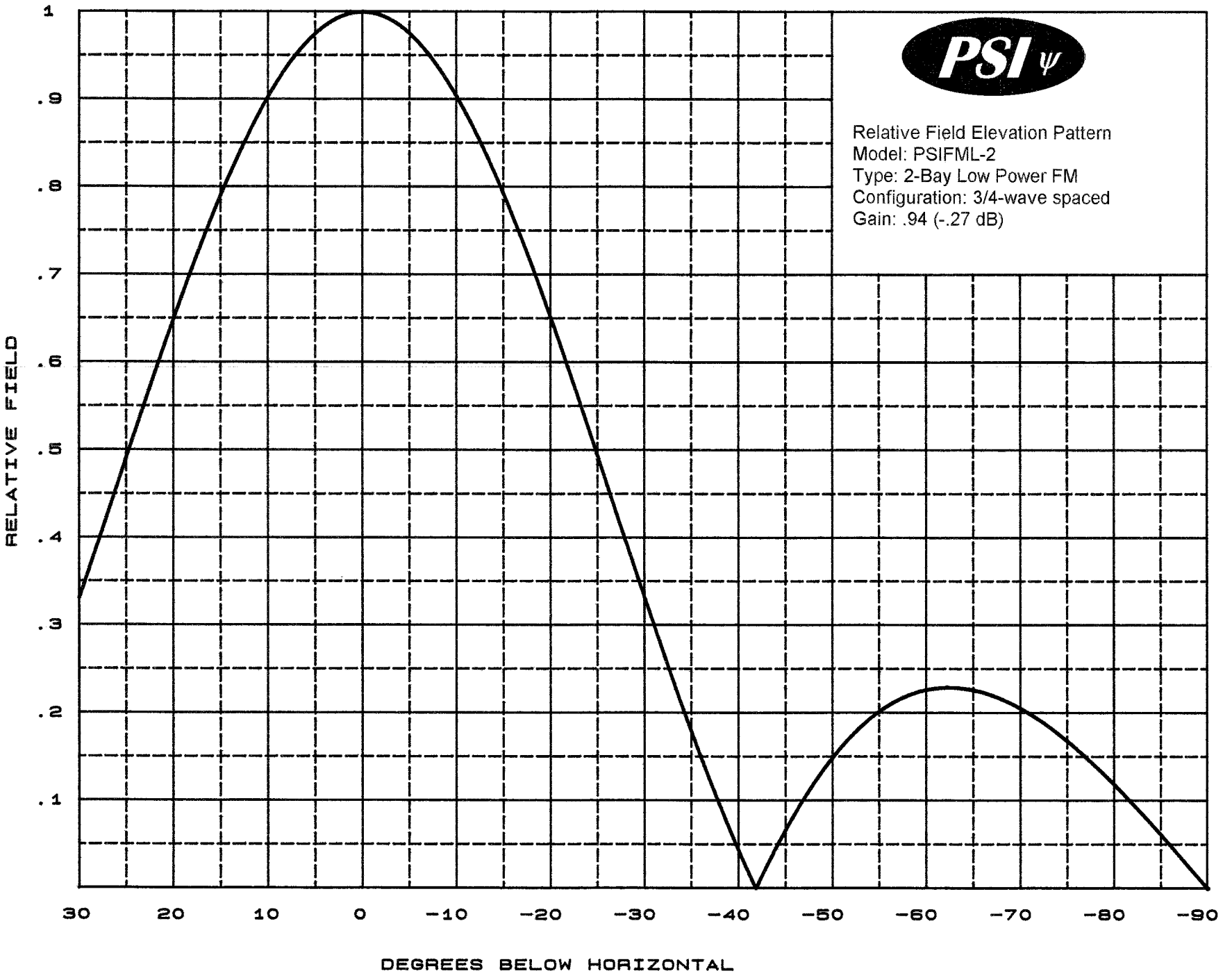
0.75 WAVELENGTH USED

Composite Azimuth Pattern Tabulation

Antenna Model: PSIFMT-2A-3DB

Gain: 1.55 (1.90 dB)

Angle	Relative Field	Power Gain	Gain (dBd)
0	0.949	1.40	1.45
10	0.965	1.44	1.59
20	0.968	1.45	1.62
30	0.957	1.42	1.52
40	0.962	1.43	1.57
50	0.967	1.45	1.61
60	0.977	1.48	1.70
70	0.975	1.47	1.68
80	0.969	1.46	1.63
90	0.932	1.35	1.29
100	0.822	1.05	0.20
110	0.730	0.83	-0.83
120	0.620	0.60	-2.25
130	0.501	0.39	-4.10
140	0.446	0.31	-5.11
150	0.436	0.29	-5.31
160	0.521	0.42	-3.76
170	0.662	0.68	-1.68
180	0.699	0.76	-1.21
190	0.644	0.64	-1.92
200	0.523	0.42	-3.73
210	0.449	0.31	-5.05
220	0.489	0.37	-4.31
230	0.556	0.48	-3.20
240	0.644	0.64	-1.92
250	0.784	0.95	-0.21
260	0.893	1.24	0.92
270	0.964	1.44	1.58
280	0.996	1.54	1.87
290	0.993	1.53	1.84
300	1.000	1.55	1.90
310	0.991	1.52	1.82
320	0.973	1.47	1.67
330	0.954	1.41	1.49
340	0.938	1.36	1.35
350	0.935	1.36	1.32


PSI ψ
Relative Field Elevation Pattern
Model: PSIFML-2
Type: 2-Bay Low Power FM
Configuration: 3/4-wave spaced
Gain: .94 (-.27 dB)
RELATIVE FIELD
1
.9
.8
.7
.6
.5
.4
.3
.2
.1
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
DEGREES BELOW HORIZONTAL

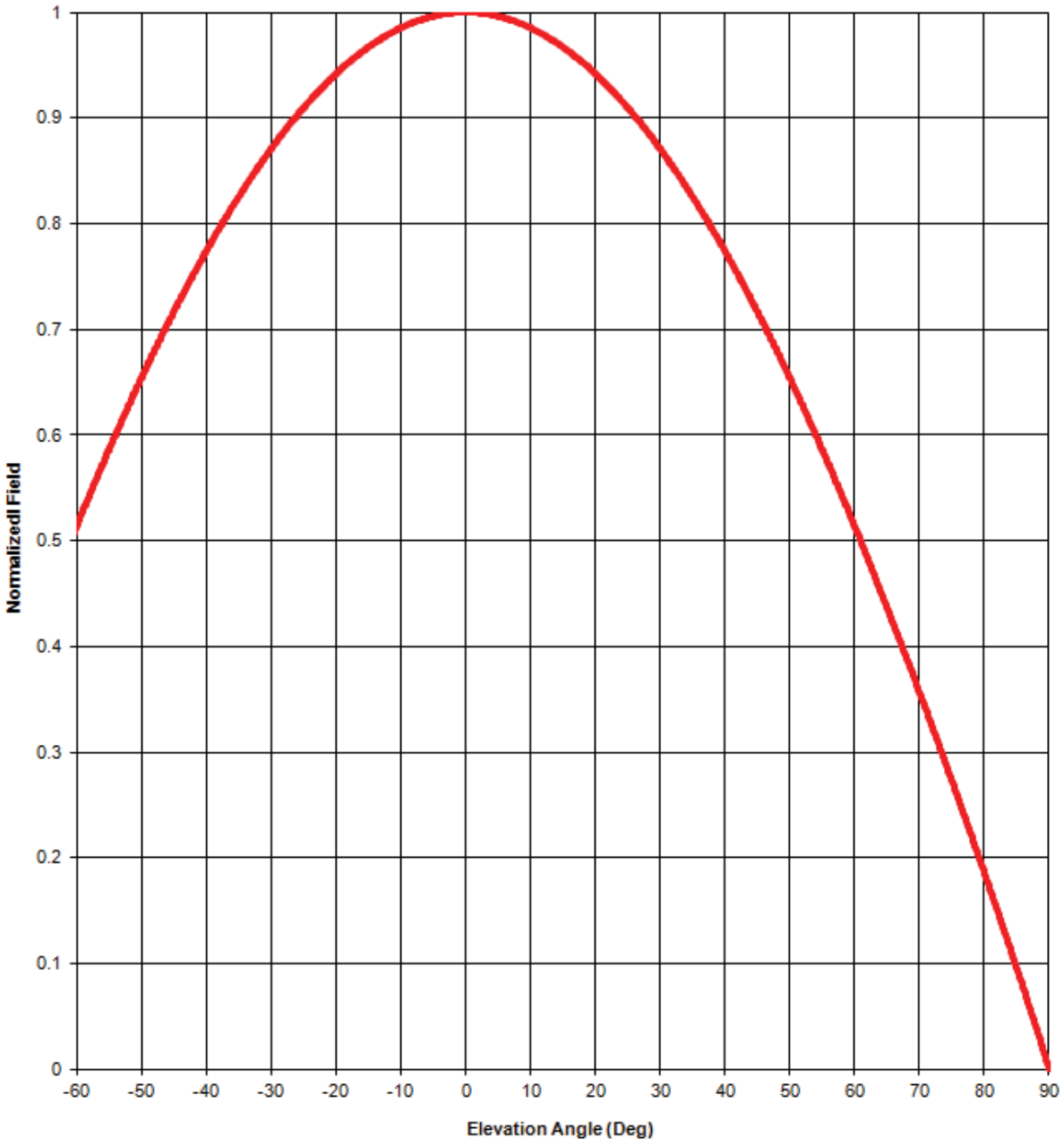
Propagation Systems Inc.

Elevation Pattern Tabulation
Antenna: PSIFML-2 Special
Bay spacing: 3/4 wave

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-90.0	0.001	-60.000	-50.0	0.149	-16.513	-10.0	0.903	-0.883
-89.0	0.012	-38.221	-49.0	0.135	-17.364	-9.0	0.921	-0.713
-88.0	0.025	-32.201	-48.0	0.120	-18.405	-8.0	0.937	-0.561
-87.0	0.037	-28.679	-47.0	0.104	-19.677	-7.0	0.952	-0.429
-86.0	0.049	-26.207	-46.0	0.086	-21.289	-6.0	0.964	-0.315
-85.0	0.061	-24.285	-45.0	0.068	-23.404	-5.0	0.975	-0.219
-84.0	0.073	-22.748	-44.0	0.048	-26.425	-4.0	0.984	-0.139
-83.0	0.085	-21.443	-43.0	0.027	-31.481	-3.0	0.991	-0.079
-82.0	0.096	-20.349	-42.0	0.005	-46.848	-2.0	0.996	-0.036
-81.0	0.107	-19.378	-41.0	0.018	-34.664	-1.0	0.999	-0.009
-80.0	0.118	-18.538	-40.0	0.043	-27.417	0.0	1.000	0.000
-79.0	0.129	-17.792	-39.0	0.068	-23.365	1.0	0.999	-0.009
-78.0	0.139	-17.125	-38.0	0.094	-20.529	2.0	0.996	-0.036
-77.0	0.149	-16.522	-37.0	0.121	-18.329	3.0	0.991	-0.079
-76.0	0.159	-15.984	-36.0	0.149	-16.531	4.0	0.984	-0.139
-75.0	0.168	-15.508	-35.0	0.178	-14.998	5.0	0.975	-0.219
-74.0	0.176	-15.072	-34.0	0.207	-13.669	6.0	0.964	-0.315
-73.0	0.184	-14.685	-33.0	0.237	-12.489	7.0	0.952	-0.429
-72.0	0.192	-14.335	-32.0	0.268	-11.431	8.0	0.937	-0.561
-71.0	0.199	-14.026	-31.0	0.299	-10.475	9.0	0.921	-0.713
-70.0	0.205	-13.752	-30.0	0.331	-9.602	10.0	0.903	-0.882
-69.0	0.211	-13.518	-29.0	0.363	-8.801	11.0	0.884	-1.072
-68.0	0.216	-13.315	-28.0	0.395	-8.061	12.0	0.863	-1.279
-67.0	0.220	-13.146	-27.0	0.428	-7.377	13.0	0.841	-1.508
-66.0	0.224	-13.009	-26.0	0.460	-6.742	14.0	0.817	-1.757
-65.0	0.226	-12.904	-25.0	0.493	-6.151	15.0	0.792	-2.029
-64.0	0.228	-12.834	-24.0	0.525	-5.599	16.0	0.765	-2.322
-63.0	0.229	-12.800	-23.0	0.557	-5.083	17.0	0.738	-2.639
-62.0	0.229	-12.794	-22.0	0.589	-4.603	18.0	0.710	-2.979
-61.0	0.228	-12.829	-21.0	0.620	-4.154	19.0	0.680	-3.344
-60.0	0.227	-12.898	-20.0	0.650	-3.736	20.0	0.650	-3.736
-59.0	0.224	-13.009	-19.0	0.680	-3.344	21.0	0.620	-4.154
-58.0	0.220	-13.158	-18.0	0.710	-2.979	22.0	0.589	-4.603
-57.0	0.215	-13.351	-17.0	0.738	-2.639	23.0	0.557	-5.083
-56.0	0.209	-13.600	-16.0	0.765	-2.323	24.0	0.525	-5.599
-55.0	0.202	-13.894	-15.0	0.792	-2.029	25.0	0.493	-6.151
-54.0	0.194	-14.260	-14.0	0.817	-1.759	26.0	0.460	-6.742
-53.0	0.184	-14.685	-13.0	0.840	-1.510	27.0	0.428	-7.377
-52.0	0.174	-15.192	-12.0	0.863	-1.281	28.0	0.395	-8.061
-51.0	0.162	-15.795	-11.0	0.884	-1.072	29.0	0.363	-8.801
						30.0	0.331	-9.602

file: FML 2-bay elevation tabulation
revision: A
Date: 1/28/08

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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Certified to ISO-9001

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

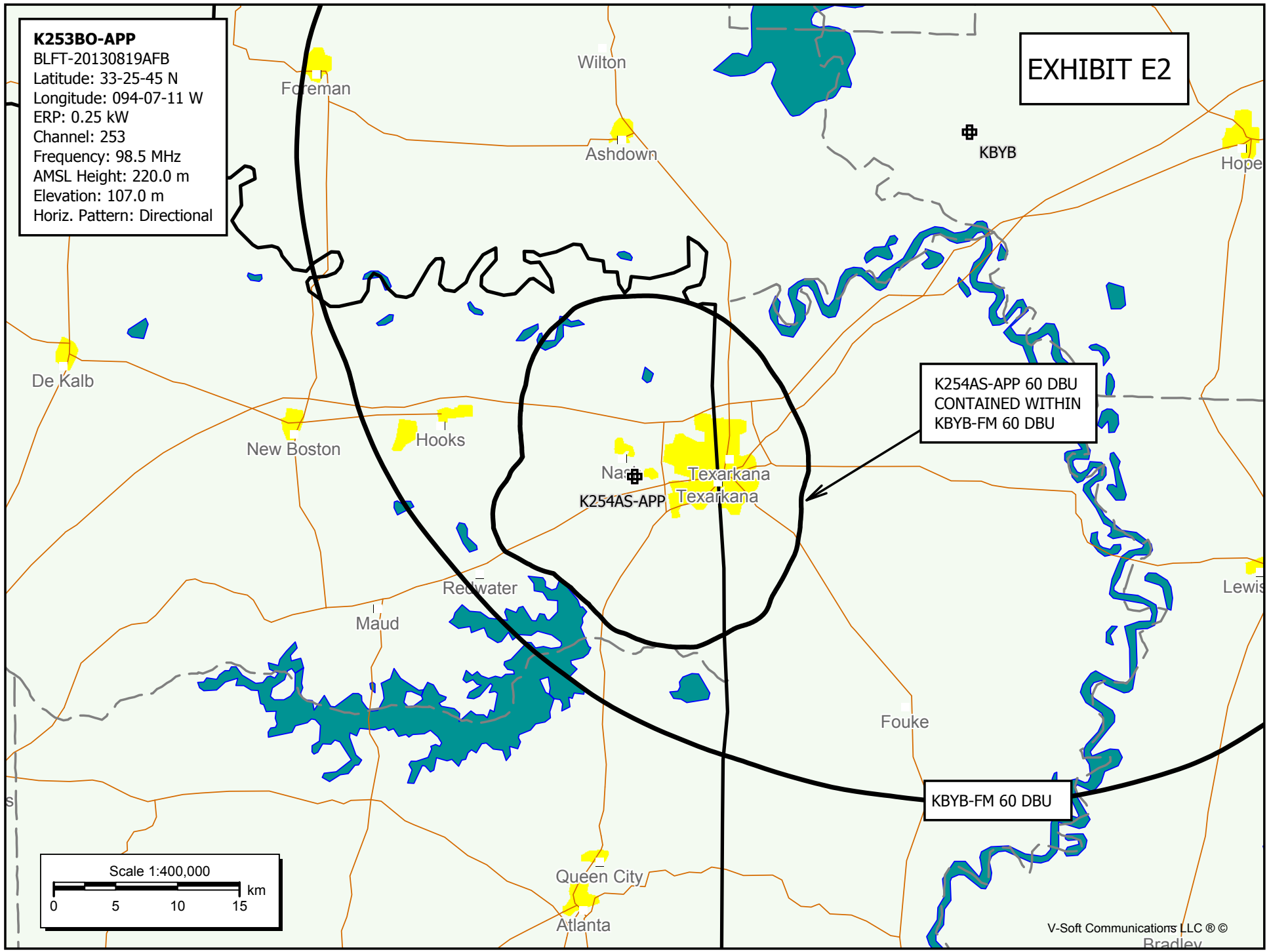
Degrees	Rel. Field
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324

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


K253BO-APP
BLFT-20130819AFB
Latitude: 33-25-45 N
Longitude: 094-07-11 W
ERP: 0.25 kW
Channel: 253
Frequency: 98.5 MHz
AMSL Height: 220.0 m
Elevation: 107.0 m
Horiz. Pattern: Directional
EXHIBIT E2
Foreman
Wilton
Ashdown
KBYB
Hope
De Kalb
New Boston
Hooks
Texarkana
Texarkana
K254AS-APP
K254AS-APP 60 DBU
CONTAINED WITHIN
KBYB-FM 60 DBU
Redwater
Maud
Fouke
KBYB-FM 60 DBU
Queen City
Atlanta
Bradley
Scale 1:400,000
km
0
5
10
15
V-Soft Communications LLC ® ©

E3 Registration 1053162

Map Registration

Registration Detail

Reg Number	1053162	Status	Constructed
File Number	A0838426	Constructed	01/01/1984
EMI	No	Dismantled	
NEPA	No		

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Commu

Location (in NAD83 Coordinates)

Lat/Long	33-25-45.0 N 094-07-12.0 W	Address	.8 KM E OF RT 989 @ CHAPLEWOOD CEMETARY
City, State	TEXARKANA , TX		
Zip	75501	County	BOWIE
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
106.7	137.2
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
243.9	136.2

Painting and Lighting Specifications

FCC Paragraphs 1, 3, 12, 21

FAA Notification

FAA Study	83-ASW-172-OE	FAA Issue Date	03/25/1983

Owner & Contact Information

FRN	0022201115	Owner Entity Type	Limited Liability Company
Assignor FRN	0010298453	Assignor ID	L00241530

Owner

Texarkana Radio Center Licenses, LLC
Attention To: Richard Burns
3161 Channel Drive
Suite 2
Juneau , AK 99801

P: (907)586-3630
F:
E: richard@abcstations.com

Contact

Attention To: David M. Silverman
1919 Pennsylvania Ave., N.W.
Suite 800
Washington , DC 20006-3401

P: (202)973-4200
F: (202)973-4499
E: DavidSilverman@dwt.com

Output from NADCON for station

North American Datum Conversion

NAD 83 to NAD 27

NADCON Program Version 2.11

==========

Transformation #: 1 Region: Conus

	Latitude	Longitude	
NAD 27 datum values:	33 25 44.55233	94 07 11.31317	
NAD 83 datum values:	33 25 45.00000	94 07 12.00000	
NAD 27 - NAD 83 shift values:	-0.44767	-0.68683	(secs.)
	-13.792	-17.743	(meters)

Magnitude of total shift: 22.473(meters)

NGS HOME PAGE