

Comprehensive Technical Exhibit
Request for Special Temporary Authority
KVIH-DT – Clovis, New Mexico
Barrington Amarillo License LLC
May, 2009

Request for Special Temporary Authority

The following engineering statement and attached exhibits have been prepared for **Barrington Amarillo License LLC** (“Barrington”), licensee of television station KVIH-TV at Clovis, New Mexico, and are in support of their request for special temporary authority at that facility.¹

KVIH-TV currently operates on channel 12 as an NTSC facility with its pre-transition DTV operations on channel 20 pursuant to a special temporary authority. In the post-transition environment, KVIH-DT will operate on channel 12 pursuant to its construction permit.² This request for special temporary authority is being submitted in order to request additional time to complete construction of the final post-transition KVIH-DT facilities.

Originally KVIH-DT was allocated channel 20 for post-transition operations. Due to the significant disruption in service that would have been required to construct the full post-transition facility associated with the original allocation, Barrington sought a change in the table of allotments so as to continue utilizing channel 12 in the post-transition environment. This change was recently approved and a construction permit granted.

Following the Commission’s approval of the requested channel substitution, Barrington began to make arrangements to procure the necessary equipment to finalize construction of its channel 12 DTV facility. In light of the remaining time, Barrington determined that it would be cost-prohibitive to secure an appropriate VHF DTV transmitter prior to the June 12, 2009 NTSC sunset date. Barrington has, however, determined that it will be possible to relocate an appropriate transmitter from another facility once that station ceases its pre-transition VHF DTV operations.

¹ The Facility ID for KVIH-TV is 40450.

² See FCC File No. BMPCDT-20090206AEI.

Barrington respectfully requests a special temporary authority to continue operation of its existing pre-transition channel 20 DTV facilities for 90 days past the June 12, 2009 analog shutoff date. This special temporary authority will give Barrington the necessary time to relocate the VHF DTV transmitter that it has procured and install it in accordance with the terms of KVIH-DT post-transition construction permit. The public interest would be served by a grant of this special temporary authority as it would prevent a disruption in service that would otherwise be necessitated by discontinuing both channel 20 DTV and channel 12 analog service on June 12.

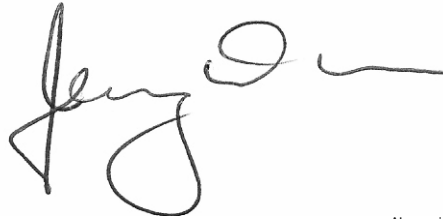
The operation of KVIH-DT under the technical parameters of the existing pre-transition STA will not cause impermissible interference to any other proposed or existing facility. Exhibits E-1 and E-2 contain the interference study for the STA facility in the post-transition environment. As these two exhibits demonstrate, the facility is not predicted to cause interference to any existing or proposed facility.

The STA facility would continue to serve all viewers currently receiving the KVIH-DT signal and would provide adequate coverage of Clovis, New Mexico, the station's community of license. Exhibit E-3 illustrates the predicted 48 dBu and 41 dBu F(50,90) service contours along with the predicted signal level according to Longley-Rice. As this map demonstrates, the entire community of license would receive a signal level in excess of 48 dBu F(50,90).

The proposed facility would not result in a significant environmental impact. As previously discussed, this request is to continue the operation of the existing pre-transition DTV facilities for a short duration following the sunset of NTSC operations. Since no actual changes would be made in the existing facility, no additional environmental impact would result from a grant of this STA request.

Affidavit

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2009

Jeremy D. Ruck, PE
May 12, 2009

KVIH-TV-D.S

BDSTA20020411ABG

Latitude: 34-26-25 N

Longitude: 103-12-37 W

ERP: 0.26 kW

Channel: 20

Frequency: 509.0 MHz

AMSL Height: 1399.0 m

Elevation: 1310.0 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 10.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

D.L. Markley & Associates, Inc.

- ☒ KVIH-TV-D.S
- ☐ 1138149-D.A
- ☐ 513090.A
- ☐ 513206.A
- ☐ 536702.A
- ☐ 538228.A
- ☐ 541262.A
- ☐ K16EX
- ☐ K20CV
- ☐ K20GO
- ☐ K20GQ
- ☐ K20GQ-D.C
- ☐ K20GU
- ☐ K20II.C
- ☐ K20JB-D.C
- ☐ K20JC-D.C
- ☐ K21IM-D
- ☐ K21IS-D.C
- ☐ K55BV-D.C
- ☐ KADX-LP.C
- ☐ KAMR-D
- ☐ KAMR-TV-D.C
- ☐ KDAX-LD-D.C
- ☐ KDFP-LD-D.C
- ☐ KRWB-TV-D.A
- ☐ KTLE-LP
- ☐ KTLE-LP.A
- ☐ KTXS-D
- ☐ KTXS-TV-D
- ☐ KTXS-TV-D.C
- ☐ KTXS-TV-D.S

Exhibit E-1

Outgoing Interference Study

KVIH-DT - Clovis, New Mexico

Barrington Amarillo License

May, 2009

Scale 1:4,000,000

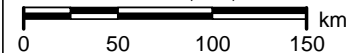


Exhibit E-2
Outgoing Interference Population Report

KVIH-TV-D.S (20) Clovis, NM - BDSTA20020411ABG
Broadcast Type: Digital Service: T
Lat: 34-26-25 N Lng: 103-12-37 W ERP: 0.26 kW AMSL: 1399.0 m
TV Outgoing Interference Study
Signal Resolution: 2.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Default # of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 1.0 km
Masked interference points are being
counted as interference.
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 5/11/2009
TV Database Date: 5/7/2009

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

Call Letters	City	State	Dist	Bear
1138149-D.A (20)	Albuquerque	NM	308.5	287.1
513090.A (20Z)	Odessa	TX	294.1	167.5
513206.A (20Z)	Midland	TX	298.2	156.9
536702.A (20+)	Midland	TX	295.7	158.0
538228.A (20+)	Lubbock	TX	162.5	127.4
541262.A (20Z)	Lubbock	TX	157.6	126.6
K16EX (16-)	Clovis	NM	0.2	251.0
K20CV (20Z)	Raton, Etc.	NM	271.7	336.7
K20GO (20+)	Eagle Nest/angelfir	NM	303.9	323.6
K20GQ (20Z)	Las Vegas	NM	227.3	305.2
K20GQ-D.C (20)	Las Vegas	NM	227.3	305.2
K20GU (20-)	Ruidoso, Etc.	NM	264.1	244.9
K20II.C (20-)	Lubbock	TX	160.2	128.9
K20JB-D.C (20)	Hollis	OK	313.8	82.9
K20JC-D.C (20)	Memphis	TX	242.5	79.7
K21IM-D (21)	Fort Sumner	NM	105.4	272.5
K21IS-D.C (21)	Hereford	TX	87.6	58.5
K55BV-D.C (20)	Boise City	OK	261.9	14.4
KADX-LP.C (20N)	Andrews	TX	239.4	165.1
KAMR-D (19)	AMARILLO	TX	161.6	51.3

KAMR-TV-D.C (19)	Amarillo	TX	161.6	51.3
KDAX-LD-D.C (20)	Amarillo	TX	158.9	52.0
KDFP-LD-D.C (21)	Plainview	TX	124.7	101.2
KRWB-TV-D.A (21)	Roswell	NM	177.3	213.3
KTLE-LP (20Z)	Odessa	TX	295.8	164.6
KTLE-LP.A (20Z)	Odessa	TX	295.8	164.6
KTXS-D (20)	SWEETWATER	TX	365.8	127.1
KTXS-TV-D (20)	Sweetwater	TX	365.8	127.1
KTXS-TV-D.C (20)	Sweetwater	TX	365.8	127.1
KTXS-TV-D.S (20)	Sweetwater	TX	365.8	127.1

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
1138149-D.A (20)	0.0	0	858,725		0		0	0.0
513090.A (20Z)	0.0	0	75,167		0		0	0.0
513206.A (20Z)	0.0	0	76,472		0		0	0.0
536702.A (20+)	0.0	0	109,725		0		0	0.0
538228.A (20+)	0.0	0	24,068		0		0	0.0
541262.A (20Z)	0.0	0	224,145		0		0	0.0
K16EX (16-)	0.0	0	44,914		0		0	0.0
K20CV (20Z)	0.0	0	67		0		0	0.0
K20GO (20+)	0.0	0	718		0		0	0.0
K20GQ (20Z)	0.0	0	18,719		0		0	0.0
K20GQ-D.C (20)	0.0	0	20,618		0		0	0.0
K20GU (20-)	0.0	0	209		0		0	0.0
K20II.C (20-)	0.0	0	3,321		0		0	0.0
K20JB-D.C (20)	0.0	0	5,447		0		0	0.0
K20JC-D.C (20)	0.0	0	3,713		0		0	0.0
K21IM-D (21)	0.0	0	2,049		0		0	0.0
K21IS-D.C (21)	0.0	0	33,868		0		0	0.0
K55BV-D.C (20)	0.0	0	3,160		0		0	0.0
KADX-LP.C (20N)	0.0	0	2,662		0		0	0.0
KAMR-D (19)	0.0	0	341,929		0		0	0.0
KAMR-TV-D.C (19)	0.0	0	341,929		0		0	0.0
KDAX-LD-D.C (20)	0.0	0	229,355		0		0	0.0
KDFP-LD-D.C (21)	0.0	0	35,602		0		0	0.0
KRWB-TV-D.A (21)	0.0	0	103,681		0		0	0.0
KTLE-LP (20Z)	0.0	0	105,966		0		0	0.0
KTLE-LP.A (20Z)	0.0	0	115,740		0		0	0.0
KTXS-D (20)	0.0	0	251,419		0		0	0.0
KTXS-TV-D (20)	0.0	0	189,266		0		0	0.0
KTXS-TV-D.C (20)	0.0	0	260,518		0		0	0.0
KTXS-TV-D.S (20)	0.0	0	189,266		0		0	0.0

Housing Units Population

KVIH-TV-D.S

BDSTA20020411ABG
Latitude: 34-26-25 N
Longitude: 103-12-37 W
ERP: 0.26 kW
Channel: 20
Frequency: 509.0 MHz
AMSL Height: 1399.0 m
Elevation: 1310.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

- > 48.0 dBu
- 41.0 - 48.0

Exhibit E-3
City of License Coverage
KVIH-DT - Clovis, New Mexico
Barrington Amarillo License
May, 2009

D.L. Markley & Associates, Inc.

41 dBu F(50,90)
Service Contour

48 dBu F(50,90)
Service Contour

Scale 1:500,000
0 7 14 21 km

