

**Exhibit 45 –SunDTV™ Study Summary**

## Summary Study

Percent allowed new interference: 0.500  
 Percent allowed new interference to Class A: 0.500  
 Census data selected 2000  
 Post Transition Data Base Selected ./data\_files/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-01-2009 Time: 09:47:52

## Record Selected for Analysis

KNWS-DT- USERRECORD-01 KATY TX US  
 Channel 47 ERP 1000. kW HAAT 597. m RCAMSL 00616 m  
 Latitude 029-33-44 Longitude 0095-30-35  
 Status APP Zone 3 Border  
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 30.  
 Last update Cutoff date Docket  
 Comments  
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits  
 Channel 47 ERP = 1000.00 HAAT = 597.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	851.929	595.3	118.8
45.0	915.849	598.2	119.6
90.0	931.225	597.3	119.7
135.0	713.180	597.7	117.2
180.0	93.636	599.2	99.5
225.0	100.806	598.9	100.1
270.0	408.321	598.1	112.1
315.0	960.073	592.5	119.8

## Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

## Class A Evaluation Complete

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## SPACING VIOLATION FOUND BETWEEN STATION

KNWS-DT- 47 KATY

TX USERRECORD01

and station

SHORT TO: KTMD 47 GALVESTON TX BPRM 20020425ABY

029-30-24 0094-30-48

Req. separation 244.6 Actual separation 96.8 Short 147.8 km

SHORT TO: KNWS-TV 47 KATY

TX DTVPLN DTVP1693

29 -34-15 95 -30-37

Req. separation 223.7 Actual separation 1.0 Short 222.7 km

## LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
47	KNWS-DT-	KATY TX	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KHPL-CA	LA GRANGE TX	138.0	LIC	BLTTA	-20020405ABH
47	K47DF	CORPUS CHRISTI TX	275.0	LIC	BLTTL	-19940317IE
47	KUVN-CA	FORT WORTH TX	394.5	APP	BDISDTA	-20080804AFA
48	KTMD	GALVESTON TX	1.0	LIC	BLCDDT	-20040325AEO
48	KTMD	GALVESTON TX	1.0	PLN	DTVPLN	-DTVP1722

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Study of this proposal found the following interference problem(s):

NONE.