

**Note:**  
**Study cell size: 1.00 km**  
**Profile point spacing: 1.00 km**

tvstudy v2.2.5 (4uoc83)  
Database: 192.168.0.58, Study: KJJM\_Ch12\_3kW\_KAT3-355\_Mv2Hg1\_1km\_Pre, Model: Longley-Rice  
Start: 2019.07.18 09:01:07

Study created: 2019.07.18 09:01:07

Study build station data: LMS TV 2019-07-16

Proposal: KJJM-LD D12 LD APP DALLAS & MESQUITE, TX  
File number: KJJM\_Ch12\_3kW\_KAT3-355\_Mv2Hg1  
Facility ID: 26957  
Station data: User record  
Record ID: 105  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel  
Protect baseline records from LPTV

Search options:  
Baseline record excluded if station has CP  
All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	223.1 km
No	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK0000054275	34.5
Yes	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000064680	8.5
No	K21KJ-D	D11	LD	CP	MINERAL WELLS, TX	BLANK0000054783	37.6
No	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	172.6
No	K11WJ	N11z	TX	LIC	PARIS, TX	BLTVL20110825ABY	168.0
No	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	381.8
Yes	K49HT	D12-	LD	CP	ABILENE, TX	BLANK0000071724	137.5
No	KBMT	D12	DT	LIC	BEAUMONT, TX	BLCDT20090610ACH	415.4
No	KBMT	D12	DT	APP	BEAUMONT, TX	BLANK0000035665	415.4
No	KAMU-TV	D12	DT	LIC	COLLEGE STATION, TX	BLEDT20030319AFB	244.9
No	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLCDT20121102ABH	401.3
No	KSAT-TV	D12	DT	APP	SAN ANTONIO, TX	BLANK0000035781	401.3
Yes	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	146.3
No	KHFD-LD	D13	LD	CP	DALLAS, TX	BLANK0000054780	21.0
No	KAKW-DT	D13	DT	LIC	KILLEEN, TX	BLCDT20120625ABA	239.3
No	KJDA-LD	D13	LD	LIC	SHERMAN, TX	BLANK0000001316	146.3
No	K13NY-D	D13	LD	CP	TYLER, TX	BNPDVL20100611AAB	176.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12  
Mask: Full Service  
Latitude: 32 44 20.10 N (NAD83)  
Longitude: 97 5 29.80 W  
Height AMSL: 294.1 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: KAT IFTB-2x2RR 355.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	130.1 m	4.4 km
45.0	0.000	142.0	4.7
90.0	0.051	140.7	24.0
135.0	1.77	130.1	46.2
180.0	1.97	108.5	44.2
225.0	1.59	102.4	41.8

270.0	0.961	111.8	39.7
315.0	0.013	132.3	16.9

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 125 m

Distance to Canadian border: 1598.1 km

Distance to Mexican border: 524.3 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 187.6 degrees    Distance: 593.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 320.8 degrees    Distance: 1095.3 km

Study cell size: 1.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000064680 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000064680	
Undesireds:	KJJM-LD	D12	LD	APP	DALLAS & MESQUITE, TX	KJJM_Ch12_3kW_KAT3-355	8.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	215.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7162.8    5,052,302		6991.6    4,980,672		6844.5    4,942,653		6843.5    4,942,653	0.01    0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KJJM-LD D12 LD APP		2.0		0		1.0    0	
KSWO-TV D11 DT LIC		147.2		38,019	147.2    38,019	146.2    38,019	

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Interference to BLANK0000071724 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K49HT	D12-	LD	CP	ABILENE, TX	BLANK0000071724	
Undesireds:	KJJM-LD	D12	LD	APP	DALLAS & MESQUITE, TX	KJJM_Ch12_3kW_KAT3-355	137.5 km
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLCDT20121102ABH	314.7
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	258.6
	KXAB-LP	N13+	TX	LIC	ABILENE, TX	BLTVL20110825ABX	132.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5884.5    56,469		5517.0    55,334		5499.9    55,257		5493.9    55,236	0.11    0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
KJJM-LD D12 LD APP		14.1		94		6.0    21	
KXII D12 DT LIC		17.1		77	17.1    77	9.1    4	

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Interference to BLCDT20090226ACF LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	
Undesireds:	KJJM-LD	D12	LD	APP	DALLAS & MESQUITE, TX	KJJM_Ch12_3kW_KAT3-355	146.3 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	178.0
	KUVN-CD	D11	DC	CP	FORT WORTH, TX	BLANK0000064680	139.5
	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	403.4
	KGEB	D12	DT	LIC	TULSA, OK	BLANK0000059370	236.4
	KETA-TV	D13	DT	LIC	OKLAHOMA CITY, OK	BLEDT20140929AOU	185.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX

45873.4 2,291,204 44571.0 2,237,856 43823.0 2,218,344 43811.1 2,209,671 0.03 0.39

Undesired			Total IX		Unique IX, before		Unique IX, after	
KJJM-LD D12 LD APP	17.0		20,832				12.0	8,673
KSWO-TV D11 DT LIC	57.9		194		56.9	181	56.9	181
KUVN-CD D11 DC CP	12.0		12,175		12.0	12,175	7.0	16
KTHV D12 DT LIC	41.8		632		24.9	162	24.9	162
KGEB D12 DT LIC	654.1		6,994		611.3	4,771	611.3	4,771
KETA-TV D13 DT LIC	25.0		1,740		0.0	0	0.0	0

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Interference to proposal scenario 1  
5.24% interference received

		Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:		KJJM-LD	D12	LD	APP	DALLAS & MESQUITE, TX	KJJM_Ch12_3kW_KAT3-355	
Undesireds:	KQFW-LD	D11	LD	CP		DALLAS, TX	BLANK0000054275	34.5 km
	KUVN-CD	D11	DC	CP		FORT WORTH, TX	BLANK0000064680	8.5
	KXII	D12	DT	LIC		SHERMAN, TX	BLCDT20090226ACF	146.3
	KHFD-LD	D13	LD	CP		DALLAS, TX	BLANK0000054780	21.0

Service area		Terrain-limited		IX-free		Percent IX	
3328.0	1,939,052	3210.6	1,918,815	2905.5	1,818,200	9.50	5.24

Undesired			Total IX		Unique IX		Prcnt Unique IX	
KQFW-LD D11 LD CP	61.3		2,485		47.2	2,362	1.47	0.12
KUVN-CD D11 DC CP	13.0		18,275		10.0	13,469	0.31	0.70
KXII D12 DT LIC	146.5		52,846		102.4	43,862	3.19	2.29
KHFD-LD D13 LD CP	129.4		38,934		100.3	28,997	3.12	1.51