WES Broadcast Consultants, Inc.

Engineering Statement
to support a Minor Modification to Construction Permit
for KSJF-CD Poteau, OK Channel 34

Engineering Statement

1. General

KSJF CD Channel 34 is requesting a minor modification to lower its RCAMSL on their existing Construction Permit File No. 0000032592 FAC ID No. 52425, due to damage to the tower that would prevent them from operating at their permitted height. As a result of lowering their RCAMSL they are raising power from 12kW ERP to 14kW ERP to compensate for the projected loss in coverage.

2. Engineering

A. Proposed Site :

The proposed site for the KSJF CD Channel 34 facility will be ASR # 1275837 at the following NAD 83 Coordinates:

North Latitude+ 35° 31' 30.2" West Longitude- 094° 22' 28.2".

Further, KSJF CD Channel 34 will operate at 14kW ERP at the Horizon on a Directional Antenna as shown in Exhibit ANT-1 with the main lobe oriented at 90 degrees w/0.50 degrees electronic tilt. The Transmitter will operate with a Full Service Mask Filter.

The facility will operate with the following elevation parameters:

AGL 30 m
GAMSL 335.6 m
RCAMSL 365.6 m

B. Interference Protection:

a. Exception: Exhibit A TVStudy Report shows that there is no new interference created by the proposed modification above de minimus.

3. Conclusion:

In short, this application to lower RCAMSL and Increase ERP tor KSJF-CD meets the requirements of a minor modification to an existing Class A Construction Permit and KTV Media hereby requests this proposed modification be GRANTED.

Respectfully submitted,

Wes Broadcast Consultants, Inc.

Jim McPhetridge Broadcast Engineer

Exhibit A

Study created: 2018.09.17 06:35:01

Study build station data: LMS TV 2018-09-17 (145)

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    Proposal: KSJF-CD D34 DC CP POTEAU, OK
 File number: BLANK0000032952
 Facility ID: 52425
Station data: User record
   Record ID: 543
     Country: U.S.
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Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KHMF-LP	D33+	LD	LIC	FORT SMITH, AR	BLANK0000036888	60.8 km
KNWA-TV	D33	DT	CP	ROGERS, AR	BLANK0000027617	105.7
KNWA-TV	D33	DT	BL	ROGERS, AR	DTVBL29557	105.7
KWFT-LP	N34z	TX	LIC	FORT SMITH, AR	BLTTL20021115AAI	0.0
KASN	D34	DT	CP	PINE BLUFF, AR	BLANK0000034796	230.4
KASN	D34	DT	BL	PINE BLUFF, AR	DTVBL41212	230.4
KMYT-TV	D34	DT	CP	TULSA, OK	BLANK0000058928	130.2
KMYT-TV	D34	DT	BL	TULSA, OK	DTVBL54420	130.2
K34LT-D	D34	LD	CP	VIAN, OK	BNPDTL20100504AMA	48.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D34
       Mask: Full Service
   Latitude:  35 31 30.20 N (NAD83)
  Longitude:  94 22 28.20 W
Height AMSL: 365.6 m
       HAAT: 0.0 m
   Peak ERP: 14.0 kW
    Antenna: ACI-ACS16A (ID 1002603) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.50
```

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.6 kW	84.6 m	40.3 km
45.0	12.1	71.7	38.1
90.0	14.0	152.6	46.9
135.0	12.2	198.2	49.0
180.0	12.6	218.0	50.3
225.0	2.34	182.3	39.6
270.0	0.734	165.2	32.6
315.0	2.34	120.1	35.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 149 m

Distance to Canadian border: 1205.9 km

Distance to Mexican border: 916.8 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 330.7 degrees Distance: 696.4 km

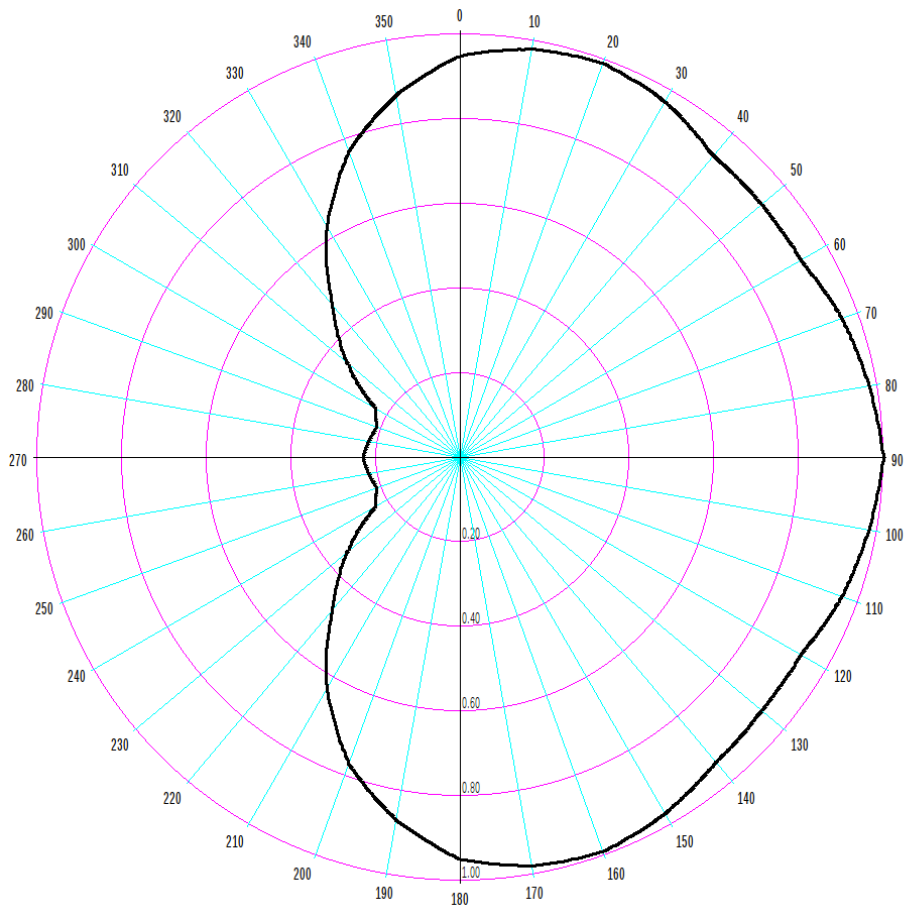
Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.4 degrees Distance: 1079.8 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%

**IX check failure, 89.71% interference to BLTTL20021115AAI LIC, scenario 1
Proposal receives 2.21% interference from scenario 1
Proposal receives 2.19% interference from scenario 2
Proposal receives 2.10% interference from scenario 3
Proposal receives 2.07% interference from scenario 4
Proposal receives 2.21% interference from scenario 5
Proposal receives 2.19% interference from scenario 6
Proposal receives 2.10% interference from scenario 7
Proposal receives 2.07% interference from scenario 8



Azim	Rel.FS	ERP [kW]	dBk
0.0	0.949	12.608	11.007
5.0	0.964	13.010	11.143
10.0	0.979	13.418	11.277
15.0	0.984	13.556	11.321
20.0	0.989	13.694	11.365
25.0	0.979	13.418	11.277
30.0	0.969	13.145	11.188
35.0	0.949	12.608	11.007
40.0	0.929	12.083	10.822
45.0	0.929	12.083	10.822
50.0	0.929	12.083	10.822
55.0	0.929	12.083	10.822
60.0	0.929	12.083	10.822
65.0	0.944	12.476	10.961
70.0	0.959	12.876	11.098
75.0	0.969	13.145	11.188
80.0	0.979	13.418	11.277
85.0	0.989	13.694	11.365

Azim	Rel.FS	ERP [kW]	dBk
90.0	1.000	14.000	11.461
95.0	0.989	13.694	11.365
100.0	0.979	13.418	11.277
105.0	0.969	13.145	11.188
110.0	0.959	12.876	11.098
115.0	0.944	12.476	10.961
120.0	0.929	12.083	10.822
125.0	0.929	12.083	10.822
130.0	0.929	12.083	10.822
135.0	0.934	12.213	10.868
140.0	0.939	12.344	10.915
145.0	0.954	12.742	11.052
150.0	0.969	13.145	11.188
155.0	0.979	13.418	11.277
160.0	0.989	13.694	11.365
165.0	0.984	13.556	11.321
170.0	0.979	13.418	11.277
175.0	0.964	13.010	11.143

Azim	Rel.FS	ERP [kW]	dBk
180.0	0.949	12.608	11.007
185.0	0.909	11.568	10.633
190.0	0.869	10.572	10.242
195.0	0.819	9.391	9.727
200.0	0.769	8.279	9.180
205.0	0.699	6.840	8.351
210.0	0.629	5.539	7.434
215.0	0.549	4.220	6.253
220.0	0.469	3.079	4.885
225.0	0.409	2.342	3.696
230.0	0.349	1.705	2.318
235.0	0.289	1.169	0.679
240.0	0.229	0.734	-1.342
245.0	0.219	0.671	-1.730
250.0	0.209	0.612	-2.136
255.0	0.214	0.641	-1.930
260.0	0.219	0.671	-1.730
265.0	0.224	0.702	-1.534

Azim	Rel.FS	ERP [kW]	dBk
270.0	0.229	0.734	-1.342
275.0	0.224	0.702	-1.534
280.0	0.219	0.671	-1.730
285.0	0.214	0.641	-1.930
290.0	0.209	0.612	-2.136
295.0	0.219	0.671	-1.730
300.0	0.229	0.734	-1.342
305.0	0.289	1.169	0.679
310.0	0.349	1.705	2.318
315.0	0.409	2.342	3.696
320.0	0.469	3.079	4.885
325.0	0.549	4.220	6.253
330.0	0.629	5.539	7.434
335.0	0.699	6.840	8.351
340.0	0.769	8.279	9.180
345.0	0.819	9.391	9.727
350.0	0.869	10.572	10.242
355.0	0.909	11.568	10.633