

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of the licensee of Class A television station WSKC-CD, Channel 14 in Atlanta, Georgia, in support of its minor-change Application for Construction Permit to specify a new transmitter site with an increase in antenna height and an omnidirectional antenna. The proposed site is 25.3 kilometers southwest of the licensed WSKC-CD site.

It is proposed to mount a Dielectric TLP-6A omnidirectional elliptically-polarized antenna at the 335.3-meter level of an existing 360.3-meter tower. The proposed effective radiated power in the horizontal plane is 15.0 kW. Exhibit B is a map upon which the predicted 51 dBu service contour of the instant proposal is plotted. As shown, the service contour covers the community of Atlanta, Georgia.

In Exhibit C we have plotted the proposed 51 dBu predicted service contour in relation to the 51 dBu predicted service contour of WSKC-CD, as currently licensed in LMS-0000080978. As shown, the licensed service contour is completely encompassed by the proposed contour.

Exhibit D contains the summary results from a TVStudy interference study, which was conducted using a cell size of 1.0 kilometer and increment spacing of 0.1 kilometers. It concludes that the proposed WSKC-CD facility meets the Commission's *de minimis* interference criteria to all co-channel and adjacent-channel full-power and Class A and LPTV/translator facilities.

A detailed power density calculation is provided in Exhibit E.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is stylized with a large "K" and "F" and a smaller "T".

KEVIN T. FISHER

September 21, 2025

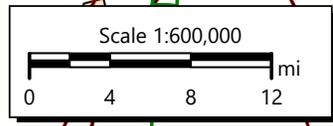
SMITH AND FISHER, LLC

**PROPOSED 51 DBU
FCC CONTOUR**

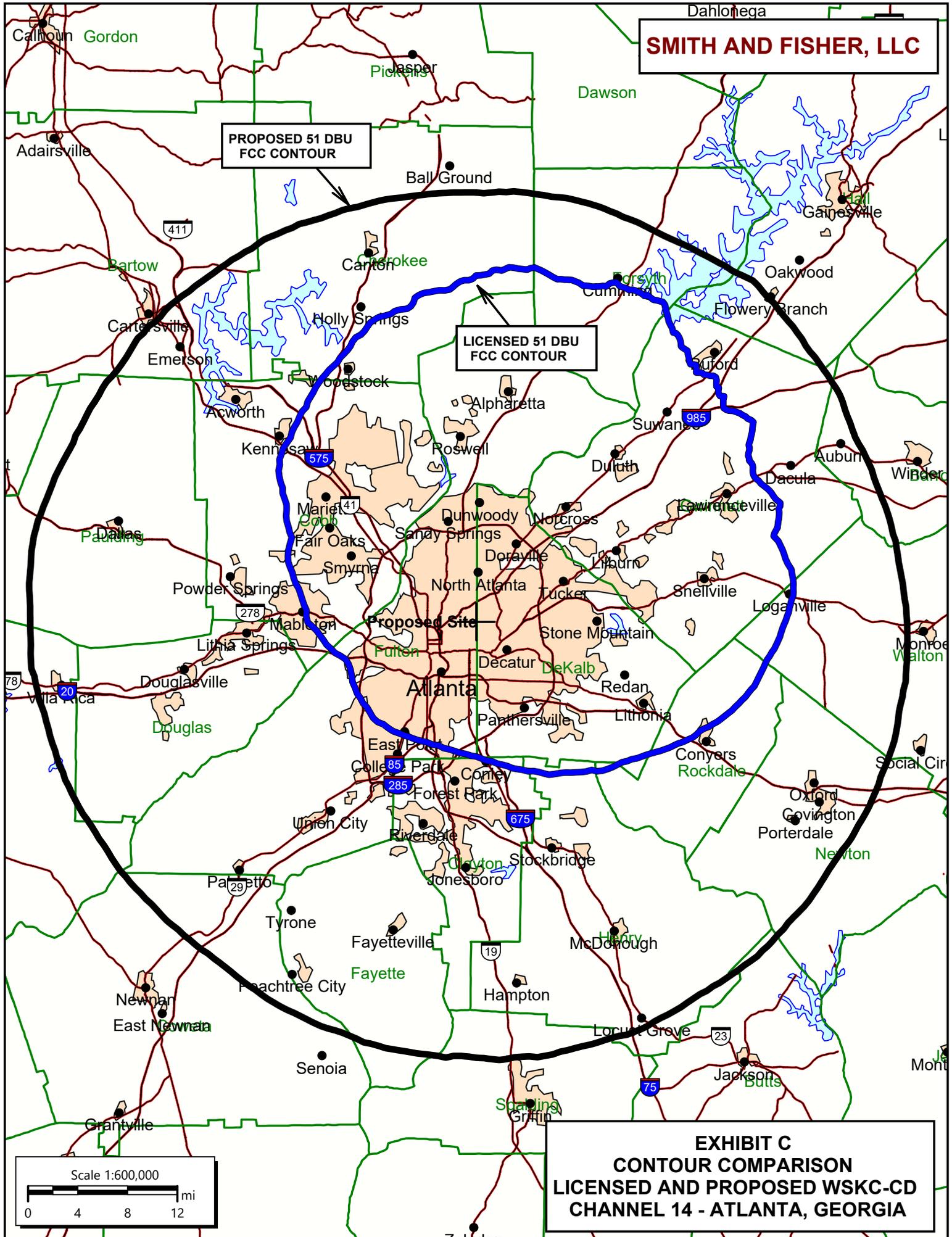
**LICENSED 51 DBU
FCC CONTOUR**

Proposed Site

Atlanta



**EXHIBIT C
CONTOUR COMPARISON
LICENSED AND PROPOSED WSKC-CD
CHANNEL 14 - ATLANTA, GEORGIA**



TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED WSKC-CD
 CHANNEL 14 – ATLANTA, GEORGIA

Study created: 2025.09.22 09:38:36 TVStudy v2.3.0 (ehHLv)

Study build station data: LMS 2025-09-20
 Proposal: WSKC-CD D14 DC LIC ATLANTA, GA
 File number: BLANK0000080978
 Facility ID: 35090
 Station data: User record
 Record ID: 705
 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel
 Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WDBB	D14	DT	LIC	BESSEMER, AL	BLANK0000192399	288.3 km
No	W03BW-D	D14	LD	APP *P	MIDLAND CITY, AL	BLANK0000251860	282.1
Yes	W14FC-D	D14	LD	LIC	OPELIKA, AL	BLANK0000266857	156.6
No	WFGX	D14	DT	LIC	FORT WALTON BEACH, FL	BLANK0000121010	471.9
No	WFOX-TV	D14	DT	LIC	JACKSONVILLE, FL	BLANK0000120746	470.8
No	WGOM-LD	D14	LD	CP	PANAMA CITY, FL	BLANK0000251856	425.3
No	W14EU-D	D14	LD	LIC	TALLAHASSEE, FL	BLANK0000179562	368.5
No	W14EU-D	D14	LD	CP	TALLAHASSEE, FL	BLANK0000234858	368.5
No	W14EU-D	D14	LD	LIC *P	TALLAHASSEE, FL	BLANK0000251574	368.5
Yes	WDZC-LD	D14	LD	LIC	Washington, GA	BLANK0000251634	149.9
No	WWJS	D14	DD	LIC	HICKORY, NC	BLANK0000109333	346.1
No	W14EG-D	D14	LD	LIC	ROBBINSVILLE, ETC, NC	BLANK0000119375	168.7
No	WSCG-LD	D14+	LD	LIC	BEAUFORT, ETC., SC	BLANK0000063818	369.8
No	W14FB-D	D14	LD	LIC	FLORENCE, SC	BLANK0000266044	428.0
No	W22EY-D	D14-	LD	CP	Greenville, SC	BLANK0000275165	215.4
No	W14EE-D	D14	LD	LIC	ALGOOD, TN	BLANK0000215069	282.9
Yes	WDSI-TV	D14	DT	LIC	CHATTANOOGA, TN	BLANK0000059350	175.1
No	WIIW-LD	D14	LD	LIC	NASHVILLE, TN	BLANK0000232650	346.7
No	WLFV	D14	DD	LIC	GRUNDY, VA	BLANK0000071597	393.5
No	WAFF	D15	DT	LIC	HUNTSVILLE, AL	BLANK0000111344	225.3
Yes	WTHC-LD	D15	LD	APP *P	ATLANTA, GA	BLANK0000251936	32.8
Yes	WUVM-LD	D15z	LD	APP *P	ATLANTA, GA	BLANK0000251804	7.2
No	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	170.5

EXHIBIT D

Yes	WGGD-LD	D15	LD LIC	GAINESVILLE, GA	BLDTL20121213AIK	51.9
No	W15CW-D	D15	LD LIC	FRANKLIN, NC	BLDTT20111227ABE	167.0
No	WDKT-LD	D15	LD LIC	HENDERSONVILLE, NC	BLANK0000089000	217.1
No	WCNT-LD	D15-	LD LIC	CHATTANOOGA, TN	BLANK0000249901	161.7
No	WTNZ	D15	DT LIC	KNOXVILLE, TN	BLANK0000081278	245.7

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WQXI 790 MOD NIG ATLANTA, GA BML-20061226ABR, 1.40 km

Record parameters as studied:

Channel: D14

Mask: Full Service

Latitude: 33 48 26.40 N (NAD83)

Longitude: 84 20 21.50 W

Height AMSL: 599.6 m

HAAT: 312.8 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	300.2 m	58.2 km
45.0	15.0	310.0	58.8
90.0	15.0	302.3	58.3
135.0	15.0	311.4	58.9
180.0	15.0	315.2	59.1
225.0	15.0	299.6	58.2
270.0	15.0	339.0	60.3
315.0	15.0	324.9	59.6

Distance to Canadian border: 886.7 km

Distance to Mexican border: 1490.8 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 279.9 degrees Distance: 36.0 km

ERP: 15.0 kW HAAT: 350.6 m Field strength: 67.9 dBu, 2.5 mV/m

Proposal is not within the West Virginia quiet zone area

EXHIBIT D

Conditions at Table Mountain receiving zone:
Bearing: 296.8 degrees Distance: 1977.2 km

Proposal passes land mobile 74.709(a) test

Proposal passes land mobile waiver test

Study cell size: 1.00 km
Profile point spacing: 0.10 km

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

No IX check failures found

POWER DENSITY CALCULATION

PROPOSED WSKC-CD
CHANNEL 14 – ATLANTA, GEORGIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Atlanta facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kW (H,V), an antenna radiation center 335.3 meters above ground, and a relative field value of 20% at the steeper elevation angles for the proposed Dielectric antenna, maximum power density two meters above ground of 0.00036 mW/cm² is calculated to occur near the base of the tower. Since this is only 0.1 percent of the 0.31 mW/cm² reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 14 (470-476 MHz), a grant of this proposal may be considered a minor environmental action with respect to public exposure to non-ionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive non-ionizing radiation.