

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of NEW YORK SPECTRUM HOLDING COMPANY, LLC, licensee of digital Low Power Television Station WAGC-LD, Channel 14 in Atlanta, Georgia, in support of its displacement Application for Construction Permit to specify operation on Channel 15. This station is being displaced as a result of the spectrum auction and the repack allotment of Channel 14 to WSKC-CD in Atlanta, Georgia. That station has a repack authorization on Channel 14 from a site located just 25 kilometers from that of WAGC-LD. Clearly, significant interference to and from each of these stations would occur if both operated on the same channel, meaning that WAGC-LD is in a displacement situation. No change in transmitter site location or effective antenna height is proposed herein.

It is proposed to mount a directional panel antenna at the 351-meter level of the existing 360.3-meter communications tower on which the presently licensed WAGC-LD antenna is located. The proposed effective radiated power for the facility is 15.0 kW in the horizontal plane. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted.

Exhibit C is a summary report from a TVStudy interference analysis for the proposed facility. Our study employed a cell size of 0.5 kilometer and increment spacing of 0.1 kilometer. Further the applicant proposes use of a full-service mask filter. The results indicate that the proposed WAGC-LD facility meets the Commission's interference requirements to all full-power and low-power co-channel and adjacent-channel television facilities.

A detailed power density calculation is provided in Exhibit D.

EXHIBIT A

Since no change in the overall height or location of the existing WAGC-LD tower is proposed herein, the Federal Aviation Administration has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1223132 to this tower.

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', with a stylized, elongated final stroke.

KEVIN T. FISHER

May 24, 2018

TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED WAGC-LD
 CHANNEL 15 – ATLANTA, GEORGIA

Study build station data: LMS TV 2018-04-07

Proposal: WAGC-LD D15 LD LIC ATLANTA, GA
 File number: BLDTL20130829AEC
 Facility ID: 190105
 Station data: User record
 Record ID: 286
 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WSKC-CD	D14	DC	CP	ATLANTA, GA	BLANK0000034530	25.3 km
No	WSB-TV	D14	LD	APP	ATLANTA, GA	BDRTCDT20090625ABT	94.8
No	W14E1-D	D14	LD	CP	BYROMVILLE, GA	BNPDTL20100510AFS	177.5
No	W14DU-D	D14	LD	CP	COLUMBUS, GA	BNPDTL20100423ACJ	156.0
No	DWLFW-LP	D14	LD	APP	LAFAYETTE, GA	BDISDTL20091218AFB	159.3
No	W14EG-D	D14	LD	CP	ROBBINSVILLE, ETC, NC	BDCCDTT20120614AAH	168.7
No	WMYA-TV	D14	DT	LIC	ANDERSON, SC	BLCDDT20080714AFN	211.9
No	WDSI-TV	D14	DT	CP	CHATTANOOGA, TN	BLANK0000034898	175.1
No	W15AZ	N15-	TX	LIC	ALABASTER, AL	BLTTL19940809IB	235.4
No	W50BO	D15	LD	CP	ASHVILLE, AL	BDISDTL20091230AAV	173.0
No	WSSF-LD	D15	LD	LIC	FAYETTE, AL	BLDTL20080626AAG	322.3
Yes	WAFF	D15	DT	CP	HUNTSVILLE, AL	BLANK0000025101	225.3
Yes	WAFF	D15	DT	APP	HUNTSVILLE, AL	BLANK0000034153	225.3
No	WPMI-TV	D15	DT	LIC	MOBILE, AL	BLCDDT20090618ABA	469.7
No	WIDB-LD	D15	LD	CP	MONTGOMERY, AL	BNPDTL20091026ABH	244.3
No	WYAM-LD	D15	LD	LIC	PRICEVILLE, AL	BLDTL20130828AEQ	251.2
No	WSFD-LD	D15	LD	LIC	PERRY, FL	BLDTL20130226AAB	414.3
No	WDDZ-LD	D15	LD	CP	AUGUSTA, GA	BLANK0000036283	206.4
Yes	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDDT20061013ABV	170.5
Yes	WGGD-LD	D15	LD	LIC	GAINESVILLE, GA	BLDTL20121213AIK	51.9
No	W15DG-D	D15	LD	CP	LENEX, GA	BNPDTL20100510ABH	288.2
No	WPBM-CD	D15	DC	CP	SCOTTSVILLE, KY	BLANK0000026401	371.7
No	W21CK-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000027832	352.9

No	W21CK-D	D15	DC APP	CHARLOTTE, NC	BLANK0000034509	352.9
No	W15CW-D	D15	LD LIC	FRANKLIN, NC	BLDTT20111227ABE	167.0
No	W15CW-D	D15	LD CP	FRANKLIN, NC	BMPDTT20110127AAR	166.9
No	W15CW-D	D15	LD CP	FRANKLIN, NC	BDISDTT20090824ACL	166.9
No	W15DR-D	D15	LD CP	MAGGIE VALLEY, ETC, NC	BDCCDTT20120706ABQ	220.6
No	W15DY-D	D15	LD CP	MARION, ETC., NC	BLANK0000001742	297.3
No	WLTX	D15	DT CP	COLUMBIA, SC	BLANK0000028035	331.2
No	WNSC-TV	D15	DT LIC	ROCK HILL, SC	BLEDT20060111AAK	325.7
No	WTNZ	D15	DT CP	KNOXVILLE, TN	BLANK0000034160	246.8
No	WZTV	D15	DT LIC	NASHVILLE, TN	BLCDDT20050309ACM	352.8
No	W43BO	D15	LD CP	MARION, ETC., VA	BDISDTL20090910AAZ	427.3
Yes	WYGA-CD	D16	DC LIC	ATLANTA, GA	BLDTL20090904ABS	7.2
No	WYBU-CD	D16	DC LIC	COLUMBUS, GA	BLDTA20091228ACN	163.3
No	WELF-TV	D16	DT LIC	DALTON, GA	BLCDDT20130610ACF	150.2
No	WDMA-CD	D16	DC CP	MACON, GA	BLANK0000034487	124.0
No	WGXA	D16	DT LIC	MACON, GA	BLCDDT20070501AAI	138.1
No	WPXA-TV	D16	DT CP	ROME, GA	BLANK0000034338	63.0
No	WGGG-TV	D16	DT LIC	GREENVILLE, SC	BLCDDT20130925AJI	217.1
No	WCTD-LP	N22-	TX LIC	DUCKTOWN, TN	BLTTL20070622ADD	137.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15

Mask: Full Service

Latitude: 33 48 26.40 N (NAD83)

Longitude: 84 20 21.50 W

Height AMSL: 615.3 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: KVSDPattern 0.0 deg

Elev Pattn: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.133 kW	315.9 m	32.9 km
45.0	0.002	325.7	11.9
90.0	0.002	318.0	11.8
135.0	0.002	327.1	12.0
180.0	0.002	330.9	12.0
225.0	0.004	315.3	15.0
270.0	4.64	354.7	54.7
315.0	9.61	340.6	57.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 329 m

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

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 296.8 degrees Distance: 1977.2 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 0.50 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%

---- Below is IX received by proposal BLDTL20130829AEC ----

Proposal receives 17.54% interference from scenario 1

**MX with BLANK0000034153 APP scenario 2, 17.54% interference received

POWER DENSITY CALCULATION

PROPOSED WAGC-LD
CHANNEL 15 – 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 (horizontal polarization), an antenna radiation center 351 meters above ground, and assuming a vertical relative field value of 10 percent at the steeper elevation angles for the proposed panel antenna, maximum power density two meters above ground of 0.000041 mW/cm^2 is calculated to occur near the base of the tower. Since this is significantly less than 0.1 percent of the 0.32 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 15 (476-482 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.