Exhibit to WMKS Application
Minor Change
High Point, NC
Facility ID: 74204

This exhibit presents the technical details of a change in antenna location only with no change in principal community, class, or channel being proposed.

Antenna Information

The proposed antenna for WMKS is to be mounted 544 meters above ground on the tower identified by antenna structure registration number 1061305. *Figure 0.* depicts the proposed antenna emissivity pattern in the horizontal plane.

Spacing Compliance

Attached as *Figure 1* is a spacing and overlap study from the proposed antenna location indicating compliance with the Commission's Section 73.207 rule with the exception of the facilities of WRFX and WQPD.

Spacing

Spacing to the facilities and application of WRFX and WQPD is requested via Section 73.215. Attached as Figures *2, and 3* are contour maps depicting the material contours of this proposal as well as those of WRFX and WQPD indicating no prohibited contour overlap is calculate to result from this proposal.

Radio Frequency Radiation Study and Statement

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an ERI SHPX-6AC 6 bay array with 1.0 wavelength spacing between elements, which has been evaluated using the program "FM Model" set for this type of radiating element; an EPA type 3 "Rototiller" mounted with its center of radiation 544 meters above ground level, and

operated with an effective radiated power of 100 kilowatts in both the horizontal and vertical. At 2 meters above ground, at 172.6 meters from the base of the tower, this proposal will contribute worst case, 1.6 microwatts per square centimeter, or 0.16 percent of the allowable ANSI limit for controlled exposure, and 0.80 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for

Figures and Attachments

Figure 0 – Antenna Pattern

WMKS DA 08-19-2019 RMS(V)= .99

Graph is Relative Field

Azi	Field	dBk	kW
000	1.000	20.000	100.000
010	1.000	20.000	100.000
020	1.000	20.000	100.000
030	1.000	20.000	100.000
040	1.000	20.000	100.000
050	1.000	20.000	100.000
060	1.000	20.000	100.000
070	1.000	20.000	100.000
080	1.000	20.000	100.000
090	1.000	20.000	100.000
100	1.000	20.000	100.000
110	1.000	20.000	100.000
120	1.000	20.000	100.000
130	1.000	20.000	100.000
140	1.000	20.000	100.000
150	1.000	20.000	100.000
160	1.000	20.000	100.000
170	0.810	18.170	65.610
180	0.810	18.170	65.610
190	1.000	20.000	100.000
200	1.000	20.000	100.000
210	1.000	20.000	100.000
220	1.000	20.000	100.000
230	1.000	20.000	100.000
240	1.000	20.000	100.000
250	1.000	20.000	100.000
260	1.000	20.000	100.000
270	1.000	20.000	100.000
280	1.000	20.000	100.000
290	1.000	20.000	100.000
300	1.000	20.000	100.000
310	1.000	20.000	100.000
320	1.000	20.000	100.000
330	1.000	20.000	100.000
340	1.000	20.000	100.000
350	1.000	20.000	100.000

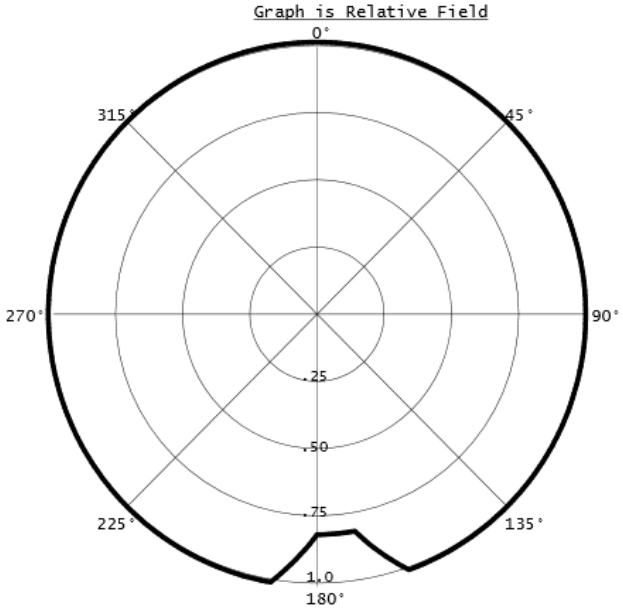

Figure 1 – Antenna Location Spacing and Overlap Study

WMKS at ASR 1061305 DA
Capstar Tx, Llc

REFERENCE CH# 262C - 100.3 MHz, Pwr= 100 kW DA, HAAT= 548.3 M, COR= 769 M DISPLAY DATES
35 52 02.1 N. Average Protected F(50-50)= 89.55 km DATA 08-17-19
79 49 26.3 W. 73.215 Directional SEARCH 08-19-19

CH CALL / CITY	TYPE ANT / STATE	AZI / <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* / *OUT* (Overlap in km)
262C WMKS%^	LIC _CN	359.7	11.30	35 58 09.0	100.000	198.7	92.3	269.5R -258.2M
High Point	NC	179.7	BLH19880805LB	79 49 29.0	600	838	Capstar Tx, Llc	
208A WTJY	LIC _CX	192.2	28.60	35 36 55.0	0.310	0.0	0.0	28.5R 0.1OM
Asheboro	NC	12.2	BLED20180221AAD	79 53 28.0	166	369	Positive Alternative Radio	
259C1 WRFX^	LIC DCX	231.0	101.85	35 17 14.0	100.000	10.4	73.7	1.0 14.8
Kannapolis	NC	50.5	BMLH20081103AAM	80 41 45.0	299	499	Capstar Tx, Llc	
263C3 WQPD	LIC ZCX	172.6	165.54	34 23 26.0	25.000	57.1	36.8	22.1 1.8
Marion	SC	352.7	BLH20021101ABR	79 35 25.0	100	122	Cumulus Licensing Llc	
265A WIFM-FM«	LIC NCX	292.2	98.36	36 11 50.0	0.470	1.5	23.0	94.5R 3.9M
Elkin	NC	111.6	BLH20020619AAF	80 50 13.0	216	540	Yadkin Valley Broadcasting	
262C3 WSEA«	LIC ZCX	159.3	246.70	33 47 04.0	12.000	71.7	23.7	236.5R 10.2M
Atlantic Beach	SC	339.8	BMLH20110908AAM	78 52 44.0	145	151	Cumulus Licensing Llc	
261C3 WVBE-FM«	LIC NCN	20.6	187.97	37 27 00.0	20.000	60.1	36.4	175.5R 12.5M
Lynchburg	VA	201.0	BLH19920514KA	79 04 29.0	100	326	Mel Wheeler, Inc.	
260C2 WCMC-FM«	LIC NCX	100.0	118.41	35 40 35.0	26.500	5.8	52.0	104.5R 13.9M
Holly Springs	NC	280.7	BLH20100423ACB	78 32 08.0	206	297	Wcmc-fm, Llc	
262B WAFD«	LIC _CX	349.2	292.30	38 27 08.7	25.000	110.0	43.7	273.5R 18.8M
Webster Springs	WV	168.8	BLH20160726AAK	80 27 15.3	213	975	Summit Media, Inc.	
262C1 WLGP«	LIC NCX	113.2	290.26	34 48 17.0	100.000	154.2	57.9	269.5R 20.8M
Harkers Island	NC	294.9	BMLED20140626AAP	76 54 23.0	148	152	Augusta Radio Fellowship I	
260C3 WZBB«	LIC NCN	354.4	116.70	36 54 50.0	3.600	3.2	36.9	95.5R 21.2M
Stanleytown	VA	174.3	BLH19960311KF	79 57 07.0	220	586	Turner Media Group, Inc.	
265A WPZS«	LIC NCX	224.9	116.06	35 07 29.0	6.000	2.8	28.5	94.5R 21.6M
Indian Trail	NC	44.4	BLH20171013AGM	80 43 30.0	94	305	Radio One Of North Carolin	
263A WZQY«	LIC _CX	304.6	187.54	36 48 45.4	6.000	23.5	15.8	164.5R 23.0M
Glade Spring	VA	123.6	BLH20080917AAF	81 33 20.4	-4	789	David W Blair	
263A AL5370«	RSV-A ___	303.3	191.02	36 47 50.0	6.000	23.5	15.8	164.5R 26.5M
Glade Spring	VA	122.3	RM11280	81 36 52.0	100	853		
263C0 WSSL-FM«	LIC NCX	235.9	253.10	34 34 18.0	100.000	116.8	78.7	219.5R 33.6M
Gray Court	SC	54.6	BLH20050923AFT	82 06 44.0	381	587	Capstar Tx, Llc	
262A WKYV«	LIC NCX	55.3	261.54	37 10 55.0	4.500	83.8	27.6	225.5R 36.0M
Petersburg	VA	236.7	BMLED20161207AAV	77 24 01.0	116	150	Educational Media Foundati	
208A WJHW	LIC DCX	352.9	72.26	36 30 48.2	2.500	0.0	0.0	28.5R 43.8M
Mayodan	NC	172.8	BLED20100223ACO	79 55 28.6	110	355	Church Planters Of America	
261A WWFN-FM«	LIC _CX	179.6	209.73	33 58 36.0	3.300	41.8	27.4	164.5R 45.2M
Lake City	SC	359.6	BMLH20090601AKK	79 48 32.0	132	160	Cumulus Licensing Llc	
264C WRDU«	LIC _CX	91.0	151.52	35 49 53.0	100.000	13.5	91.2	104.5R 47.0M
Wake Forest	NC	272.0	BLH20100106AEL	78 08 50.0	600	664	Capstar Tx, Llc	
261A WKQY«	LIC _CX	312.2	211.95	37 08 01.0	4.200	40.8	23.4	164.5R 47.5M
Tazewell	VA	131.1	BMLED20190717AAA	81 35 42.0	119	919	Calvary Chapel Of Twin Fal	
264A WVHK«	LIC _CX	342.6	142.59	37 05 31.0	0.820	1.7	23.1	94.5R 48.1M
Christiansburg	VA	162.3	BMLH20031215ABK	80 18 21.0	270	935	Monticello Media Llc	
262C3 WORG«	LIC _CX	196.0	288.93	33 21 42.0	25.000	112.9	38.4	236.5R 52.4M
Elloree	SC	15.5	BMLED20170216AAC	80 41 05.0	100	140	Educational Media Foundati	

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
% = Station fails 73.215. 73.215 Minimum separation distances are used

Figure 2 – WMKS and WRFX Contour Map

WMKS at ASR 1061305 DA with WRFX
Capstar Tx, Llc

FMCommander Single Allocation Study - 08-19-2019 - NGDC 30 SEC
WMKS DA's Overlaps (In= 1.0 km, Out= 14.84 km)

WMKS DA CH 262 C 73.215 Z
Lat= 35 52 02.1, Lng= 79 49 26.3
100.0 kW 548.3 m HAAT, 769 m COR
Prot.= 60 dBu, Intef.= 100 dBu

WRFX^ CH 259 C1 DA BMLH20081103AAM
Lat= 35 17 14.0, Lng= 80 41 45.0
Max Cls: 100.0 kW 299 m HAAT, 499 m COR
Prot.= 60 dBu, Intef.= 100 dBu

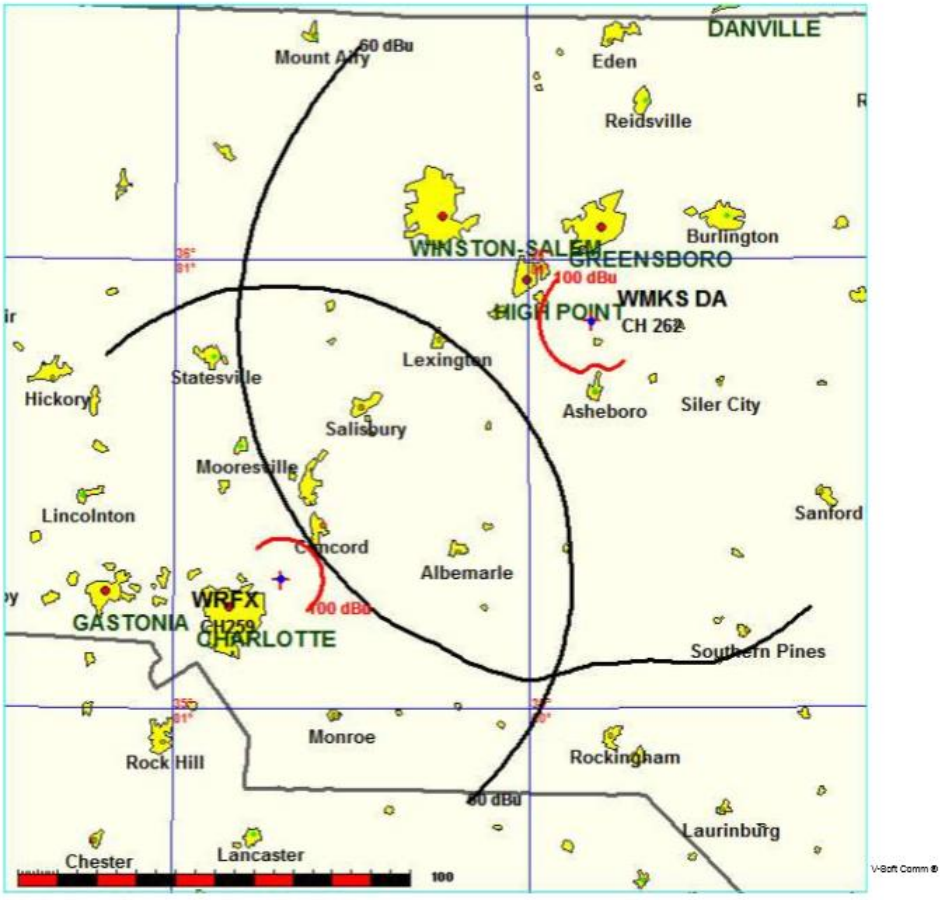

Figure 3 – WMKS and WQPD-Licensed Contour Map

WMKS at ASR 1061305 DA with WQPD
Capstar Tx, Llc

FMCommander Single Allocation Study - 08-19-2019 - NGDC 30 SEC
WMKS DA's Overlaps (In= 22.12 km, Out= 1.77 km)

WMKS DA CH 262 C 73.215 Z
Lat= 35 52 02.1, Lng= 79 49 26.3
100.0 kW 548.3 m HAAT, 769 m COR
Prot.= 60 dBu, Intef.= 54 dBu

WQPD CH 263 C3 73.215 Z BLH20021101ABR
Lat= 34 23 26.0, Lng= 79 35 25.0
25.0 kW 100 m HAAT, 121.6 m COR
Prot.= 60 dBu, Intef.= 54 dBu