

Study created: 2024.02.13 16:55:40

Study build station data: LMS TV 2024-01-17

Proposal: WKDC-LD D16 LD LIC COLUMBIA, SC
File number: BLANK0000106264
Facility ID: 47719
Station data: User record
Record ID: 2793
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W15EB-D	D15	DC	LIC	CHARLOTTE, NC	BLANK0000188950	120.8 km
No	WDKT-LD	D15	LD	LIC	HENDERSONVILLE, NC	BLANK0000089000	176.5
No	WRAZ	D15	DT	LIC	RALEIGH, NC	BLANK0000143683	267.5
No	WHWD-LD	D15	LD	LIC	Winston-Salem, NC	BLANK0000143309	224.3
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK0000082085	2.1
No	W15DC-D	D15	LD	LIC	FLORENCE, SC	BLANK0000225693	125.9
No	W15ES-D	D15	LD	LIC	GEORGETOWN, SC	BLANK0000224317	154.4
Yes	W16EL-D	D16	LD	LIC	AUGUSTA, GA	BLANK0000222337	109.7
Yes	W16EE-D	D16	LD	LIC	AUGUSTA, GA	BLANK0000179225	150.0
Yes	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK0000234552	129.8
No	WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000233576	425.0
No	W16EK-D	D16	LD	LIC	Douglas, GA	BLANK0000217699	374.0
No	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	423.3
No	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	304.5
No	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	357.7
Yes	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	234.0
No	WPXU-TV	D16	DT	LIC	JACKSONVILLE, NC	BLANK0000129487	303.7
No	WDRH-LD	D16-	LD	LIC	Raleigh, NC	BLANK0000193085	265.8
Yes	W16DZ-D	D16	LD	LIC	TRYON, NC	BLANK0000121648	186.1
Yes	WXII-TV	D16	DT	LIC	WINSTON-SALEM, NC	BLANK0000157823	253.6
Yes	WJPM-TV	D16	DT	LIC	FLORENCE, SC	BLANK0000234466	95.6
Yes	WWYA-LD	D16	LD	LIC	HONEA PATH, SC	BLANK0000093423	176.5
No	WAPK-CD	D16	DC	LIC	BRISTOL VA/KINGSPORT, TN	BLANK0000070481	285.9
No	WEZK-LD	D16z	LD	LIC	KNOXVILLE, TN	BLANK0000100286	356.9
No	WGAT-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000214228	126.9
No	WCEE-LD	D17	LD	LIC	CHARLOTTE, NC	BLANK0000180361	126.4
No	W17EE-D	D17	LD	LIC	LILESVILLE/WADESBORO, NC	BLANK0000177549	125.2
No	WRAL-TV	D17	DT	LIC	RALEIGH, NC	BLANK0000143682	267.5
No	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000184941	164.0
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	211.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Mask: Full Service
Latitude: 34 6 58.40 N (NAD83)
Longitude: 80 45 49.90 W
Height AMSL: 208.8 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SWR EC Including Tower 250.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.17 kW	119.4 m	39.2 km
45.0	0.198	147.1	26.8
90.0	0.122	160.8	25.2
135.0	2.46	133.1	38.8
180.0	15.0	123.2	47.3
225.0	13.3	94.6	43.8
270.0	13.3	103.6	44.9
315.0	15.0	116.7	46.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 125 m

Distance to Canadian border: 852.4 km

Distance to Mexican border: 1795.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 266.7 degrees Distance: 366.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 294.3 degrees Distance: 2260.0 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 BLANK0000106264 ----

Proposal receives 36.68% interference from scenario 1
Proposal receives 36.68% interference from scenario 2
No IX check failures found.