



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2022.11.17 07:33:52

Study build station data: LMS TV 2022-11-15

Proposal: WBRA-TV D13 DT APP ROANOKE, VA

File number: WBRA-D13 66kW 1.0EBT DIE FINAL

Facility ID: 5981

Station data: User record

Record ID: 2989

Country: U.S.

Zone: II

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000028448 WVPT D12 DD CP STAUNTON, VA BLANK0000028448

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WYMT-TV	D12	DT	LIC	HAZARD, KY	BLCDT20040109ACY	268.0 km
No	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	232.7
Yes	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	239.7
Yes	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLANK0000190297	305.0
Yes	WSKY-TV	D13	DT	LIC	MANTEO, NC	BLANK0000116863	350.5
Yes	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	323.2
Yes	WVFX	D13	DT	LIC	CLARKSBURG, WV	BLANK0000179139	234.5
Yes	WWPX-TV	D13	DT	LIC	MARTINSBURG, WV	BLANK0000117578	308.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13

Latitude: 37 11 46.00 N (NAD83)

Longitude: 80 9 16.00 W

Height AMSL: 1208.4 m

HAAT: 630.6 m

Peak ERP: 66.0 kW

Antenna: DIE THV-10A13/VP-R C150 0.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	66.0 kW	672.3 m	135.2 km
45.0	64.4	724.2	136.6
90.0	58.2	771.7	136.8
135.0	20.1	573.8	117.0
180.0	18.7	376.9	103.1
225.0	20.1	521.0	114.0
270.0	58.2	709.1	135.1
315.0	64.4	695.5	135.7

ERP exceeds maximum

ERP: 66.0 kW ERP maximum: 28.3 Kw APPLICANT REQUESTS LARGEST STATION IN MARKET (WBRA-TV CH3)

Distance to Canadian border: 533.9 km

Distance to Mexican border: 2013.6 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 52.1 degrees Distance: 364.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 286.3 degrees Distance: 2192.7 km

Study cell size: 2.00 km

Profile point spacing: 0.10 km APPLICANT REQUESTS 0.1 KM PROFILE POINT SPACING

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

Maximum new IX to LPTV: 2.00%

Proposal causes 0.18% interference to BLANK0000117277 LIC scenario 1

Proposal causes 0.33% interference to BLANK0000190297 LIC scenario 2

Proposal causes 0.08% interference to BLANK0000116863 LIC scenario 1

Proposal causes 0.47% interference to BLCDT20090612AIR LIC scenario 1

Proposal causes 0.09% interference to BLANK0000179139 LIC scenario 1

Proposal causes 0.17% interference to BLANK0000117578 LIC scenario 1

---- Below is IX received by proposal WBRA-D13 66kW 1.0EBT D ----

Proposal receives 1.15% interference from scenario 1 APPLICANT ACCEPTS THE INCOMING INTERFERENCE

No IX check failures found.