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Study build station data: LMS TV 2018-05-13

Proposal: W14DC-D D26 LD LIC PORTSMOUTH, VA

File number: W14DC displacement to 26

Facility ID: 49409

Station data: User record

Record ID: 191

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
No	W18BS	N18z	TX	LIC	HAMPTON, VA	BLTTL19961118JG	30.2 km
No	WVBN-LP	N18+	TX	LIC	VIRGINIA BEACH, VA	BLTTL20030124ADP	31.2
No	WUNC-TV	D25	DT	LIC	CHAPEL HILL, NC	BLANK0000053854	263.8
No	WUNK-TV	D25	DT	CP	GREENVILLE, NC	BLANK0000025767	173.4
Yes	WVAD-LD	D25	LD	LIC	CHESAPEAKE, VA	BLDTL20121214ABD	16.4
No	W25AA-D	D25	LD	LIC	ONANCOCK, VA	BLDTT20121127AMR	138.9
No	WWBK-LD	D25	LD	APP	RICHMOND, VA	BLANK0000051589	126.9
Yes	WTVR-TV	D25	DT	LIC	RICHMOND, VA	BLCDT20021204ABA	126.9

No	WBFF	D26	DT CP	BALTIMORE, MD	BLANK0000025699	280.6
No	WDVM-TV	D26	DT LIC	HAGERSTOWN, MD	BLCDT20090612AFP	342.4
No	WGPT	D26	DT CP	OAKLAND, MD	BLANK0000034106	379.3
No	WGPX-TV	D26	DT CP	BURLINGTON, NC	BLANK0000034889	291.7
No	WEPX-TV	D26	DT LIC	GREENVILLE, NC	BLCDT20121029ACA	178.8
No	WTMH-LD	D26	LD APP	KINSTON, NC	BLANK0000053939	212.8
No	WDRL-LD	D26	LD CP	WILMINGTON, NC	BLANK0000014337	328.2
No	WDRL-LD	D26	LD LIC	WILMINGTON, NC	BLDTL20150112ACT	336.6
No	WQAV-CD	D26	DC CP	GLASSBORO, NJ	BLANK0000034526	354.0
No	KYW-TV	D26	DT LIC	PHILADELPHIA, PA	BLCDT20090326ABH	374.1
No	WWMB	D26	DT CP	FLORENCE, SC	BLANK0000034332	375.5
No	NEW	D26	LD APP	FLORENCE, SC	BNPDTL20090825BKL	413.0
Yes	WHTJ	D26	DT CP	CHARLOTTESVILLE, VA	BLANK0000034130	220.4
Yes	WRLH-TV	D26	DT LIC	RICHMOND, VA	BLCDT20041207AAW	126.9
No	WETA-TV	D27	DT LIC	WASHINGTON, DC	BLEDT20120731ALN	243.3
No	W27DO-D	D27	LD CP	SALISBURY, MD	BNPDTL20100817AAQ	192.4
No	WLFL	D27	DT LIC	RALEIGH, NC	BLCDT20090612AIF	224.1
No	WUNP-TV	D27	DT CP	ROANOKE RAPIDS, NC	BLANK0000034416	135.5
Yes	WJGN-CD	D27	DC CP	CHESAPEAKE, VA	BLANK0000025319	11.2
Yes	WVBN-LP	D27	LD CP	VIRGINIA BEACH, VA	BDISDTL20091106ADI	11.2

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WPMH 1010 L DA2 D PORTSMOUTH, VA BL

WPMH 1010 L DA2 N PORTSMOUTH, VA BL

Record parameters as studied:

Channel: D26

Mask: Full Service

Latitude: 36 48 57.00 N (NAD83)

Longitude: 76 27 59.00 W

Height AMSL: 214.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn:

Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	212.0 m	51.7 km
45.0	15.0	210.6	51.6
90.0	15.0	210.9	51.6
135.0	15.0	210.1	51.6

180.0	15.0	207.5	51.4
225.0	15.0	205.6	51.3
270.0	15.0	204.7	51.3
315.0	15.0	208.6	51.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 209 m

istance to Canadian border: 692.7 km

Distance to Mexican border: 2276.9 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 353.3 degrees Distance: 263.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 287.3 degrees Distance: 2518.3 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

**IX check failure to BLCDT20041207AAW LIC scenario 1, 5.13% interference caused