

EXHIBIT 18

TV Channel 6 Compliance Showing

According to 47 CFR, 73.525 an application needs to show non interference to any TV6 station within the specified distance given in Table A of the 47 CFR, 73.525(a)(1). The distance for showing of non interference for the proposed modification on Channel 211 is 196 km. 47 CFR, 73.599 demonstrates the required FM/TV6 protection ratio for channel 211 at the Class B protected contour of 47 dBu is 20.3dB. The relevant interfering contour is 67.3dBu (47+20.3).

The proposed modification of WJCN has an ERP of 4.5kw, utilizing a vertically polarized antenna system. Since the antenna is vertically polarized, and the area is outside a community of 50,000, 47 CFR, 73.525(e)(4)(i) states that the calculated ERP is 1/40th of the actual ERP, making the area of interference determined using only .1125kW.

The effected Grade B contour of WTVRTV, a 100kW TV6 station with a CORAMSL of 320m and 262m HAAT, is located 145.59 km from the proposed modified site of WJCN. Located at Latitude N. 37-34-00, and Longitude W. 77-28-36 WTVRTV is licensed to Richmond, VA.

Page #2 of this Exhibit is a plot of related Interference Contours and their relationship with WTVRTV's corresponding Protected Contours, along with the plotted Area of Interference. The 47 dBu F(50,50) Contour of WTVR does not intersect the 67.3 dBu F(50,10) Contour of the proposed application. Therefore no other study is needed

Because the proposed modification of WJCN contains less than the allowed maximum of 3,000 persons inside the Area of Interference, the Commission may properly grant the proposed construction permit.

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TV6 Interpolation

Channel 211 – 90.1MHz

Radius 196 km

TV Contour	Undesired/Desired Ratio	Total
47	20.3	67.3

Channel-Six TV Protection Study

WTVRTV LI 06+ 1C Dom 100.000 kW 256 M HAAT V HN
Richmond VA 320M COR AMSL
N. Lat= 37 34 00, W. Lng= 77 28 36
Elcom Of Virginia, Inc. BLCT193
Fac ID# 842019632, Cutoff Date=
Dist.=145.5923 km, Azi=270.9°, Rev Azi=90.9°

Direct line HAAT Grade B, 47 dBu= 102.45 km & Grade A= 53.47 km

Distance from reference to Grade B = 43.14 km

Cutoff Dist from Full Service= 196

Maximum Co-located power= 26.3 kW

WTVRTV Signal Contour at Reference location = 34.1 dBu

CH. 211, U/D ratio = 20.3 dB, Maximum FM signal = 67.3 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	67.3	55.0	66.3	63.0	67.9	71.0	72.7	79.0	79.0	87.0	85.6
48.0	67.0	56.0	66.4	64.0	68.4	72.0	73.5	80.0	79.8	88.0	86.4
49.0	66.6	57.0	66.5	65.0	68.8	73.0	74.2	81.0	80.6	89.0	87.3
50.0	66.3	58.0	66.6	66.0	69.4	74.0	75.0	82.0	81.4	90.0	88.2
51.0	66.2	59.0	66.8	67.0	70.0	75.0	75.8	83.0	82.2	91.0	88.2
52.0	66.2	60.0	67.0	68.0	70.6	76.0	76.6	84.0	83.0	92.0	88.2
53.0	66.1	61.0	67.3	69.0	71.3	77.0	77.4	85.0	83.9	93.0	88.2
54.0	66.2	62.0	67.5	70.0	72.0	78.0	78.2	86.0	84.7	94.0	88.2

