

Bella Breast Cancer Foundation Second-Adjacent Exhibit

Application requests a waiver for a location which is short-spaced on a second-adjacent channel with (LMS)BLED-20160516AAL, callsign WKCS, class A, status LICEN, KNOXVILLE, TN, channel 216, facility ID 22901

Undesired-to-Desired Ratio Method	
(LMS)BLED-20160516AAL f(50,50) signal	83.630 dBu
Second-adjacent protection	+ 40 dB
Interference-zone boundary	123.63 dBu
Distance to 123.63 dBu	11.3 m (ERP <= 0.006 kW)

Application requests a waiver for a location which is short-spaced on a second-adjacent channel with (LMS)BLED-20161212ABU, callsign WUOT, class C, status LICEN, KNOXVILLE, TN, channel 220, facility ID 69161

Undesired-to-Desired Ratio Method	
(LMS)BLED-20161212ABU f(50,50) signal	130.800 dBu
Second-adjacent protection	+ 40 dB
Interference-zone boundary	170.8 dBu
Distance to 170.8 dBu	0 m (ERP <= 0.006 kW)

The worst-case interference zone of the two stations is a sphere of radius 11.3 meters, shown projected on the ground in the following map. With a radiation center at 30.5 meters AGL, the worst-case interference zone extends no lower than 19.2 meters AGL, well above the roof lines of the one story restricted-access RF transmission buildings below. No population will be subject to interference from the proposed station according to the undesired-to-desired ratio method.



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