

Application requests a waiver for a location which is short-spaced on a second-adjacent channel with BLH19991008ABG, callsign WMMO, class C2, status LIC, ORLANDO, FL, channel 255, facility ID 23444[3]

Undesired-to-Desired Ratio Method

BLH19991008ABG f(50,50) signal: 100.6 dBu [1][2]
Second-adjacent protection: + 40 dB
Interference-zone boundary: 140.6 dBu
Distance to 140.6 dBu: 7 m (HAAT = 30 m, ERP <= 0.1 kW) [1]

With the proposed antenna radiation center located 24 meters above the ground, the interference zone clears the ground and does not touch occupied structures nor major roadways, thus no population will be subject to interference from the proposed station according to the undesired-to-desired ratio method.

[1] tvfmfs_metric() C-language subroutine as distributed by the FCC.
At distances less than or equal to 1.5 km, tvfmfs_metric() uses the free-space method.

[2] FCC HAAT Calculator web page,
http://transition.fcc.gov/mb/audio/bickel/haat_calculator.html

[3] CDBS database downloaded 2013-11-07 03:49:37