

**REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION**

**LAWRENCE F. LOESCH**

**W45CL LPTV STATION**

**CH 45Z - 656-662 MHZ - 0.1 KW (DA)**

**MANTEO, NORTH CAROLINA**

**June 2007**

**TECHNICAL STATEMENT**

This technical statement and attached exhibits were prepared on behalf of Lawrence F. Loesch ("Loesch"), licensee of W45CL, Channel 45Z, Manteo, North Carolina. The tower on which the W45CL facility is located also holds the antenna systems for five other LPTV stations and two FM stations.<sup>1</sup> Due to structural issues with the tower, it is presently incapable of supporting all of the weight of the systems presently located thereon. The location of the tower, at the Outer Banks of North Carolina, is frequently subject to hurricanes which could undermine the tower. As such, Loesch has had to remove four of the LPTV antenna systems and feed lines. These are to be replaced by a single broadband panel antenna which will enable the four LPTV stations to operate at a lower height with less power.

Loesch is in the process of getting the necessary regulatory approvals to replace the tower, but to date, does not have all of the authorizations necessary to do so. Therefore, he requests Special Temporary Authority to operate W45CL at a lower height with less power, until the tower issues can be resolved.

Attached as Exhibit A is an updated radio frequency radiation study to demonstrate the site remains in compliance with the Commission's RF exposure requirements, based on the

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1) It is also one of two towers of the WOBX, 1530 kHz, Wanchese, North Carolina AM array.

operation of four of the LPTV stations with the lower power and height. Exhibit B is a map which shows the proposed STA facility will be within the licensed 74 dBu contour of W45CL.

The proposed STA system will be mounted on the existing LPTV tower. At present, this tower is not part of the antenna system for AM station WOBX, Wanchese, North Carolina. WOBX is operating with temporary facilities, in a non-directional mode, with low power from an adjacent tower. As such, there will be no impact to the WOBX facility, as it is likewise operating with temporary facilities, in lieu of its licensed operations. It is noted that Loesch is a principal in the licensee of WOBX.

The foregoing was prepared on behalf of Lawrence F. Loesch by Graham Brock, Inc., its Technical Consultants. All information contained herein is true and accurate to the best of our belief and knowledge. All data regarding stations was extracted from the CDBS database. We assume no liability for errors or omissions in the database which may be adverse to the requests contained herein.