

WSUF/1580

CONFIRMATION OF RECEPTION REPORT

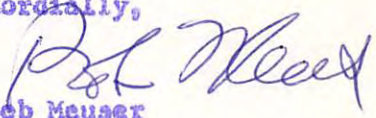
We're pleased to confirm your reception of WSUF on

(DATE) 11/25/73 11:10 TO 11:33

WSUF normally operates 10,000-watts non-directional and 5,000-watts directional essentially south up to the first hour of sunrise and one and a half hours to sunset.

Enclosed please find our coverage map. We will be happy to cooperate with any radio clubs within the limitations of our personal and the legal limitations.

Cordially,

  
Bob Meuser  
Chief Engineer

Special comments, if any

CALLED WQ XR. THEIR XMTR WAS TOTALLY CLEAN AS VIEWED ON AN ELABORATE SPECTRUM ANALIZER. WE HAVE NO TROUBLE HERE. SUGGEST THAT IT IS EITHER IMAGES DUE TO RECEIVER OVERLOAD FROM THE TOTAL BCB RF IN N.Y./N.E. AREA, OR MORE PROBABLY (CONSIDERING PLAINFIELD N.J. REPORT) THAT THE 2nd HARMONIC OF WABC IS MIXING IN SOME NON-linear FASHION WITH WQXR WITH A RESULTING 30+ KHZ BEAT;

WABC HAS RECENTLY INSTALLED A NEW TYPE TRANSMITTER THAT USES PULSE MODULATION IN THE AND SQUARE RF WAVES IN THE FINAL, THIS COULD ENHANCE THE POSSIBILITY OF SUCH HARMONICS. FOR YOUR OWN INFORMATION THAT TRANSMITTER IS A GATES BC-50 SERIES, THE PDM MODEL.