Reasons for Displacement of WWRD-LP

Applicant is eligible to participate in the Special Displacement Window. WWRD-LP qualifies as both "operating" and "displaced" as defined under the FCC's eligibility criteria.[1]

A study of predicted interference - received and caused – by the WWRD Analog LPTV facility operation on channel 32 was performed using tvstudy v2.2.5, per Commission's Office of Engineering and Technology Bulletin No. 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69").

The interference study examined the potential interference caused the by WWRD-LP LPTV station to full power or Class A stations and interference received by WWRD-LP LPTV station from full power and Class A stations after the repacking process.

A LPTV station is considered displaced due to interference caused if is predicted to cause more than 0.5% new interference to the interference-free population of a full power or Class A station. Also, any station that receives more than 2% new interference, in aggregate of the pairwise interference studies, from any combination of repacked full power and Class A stations be considered displaced due to interference received.

The interference study results, summarized in Table 1, show that WWRD-LP (BLTTL-20071011AAP) is predicted to receive aggregated new interference in excess of 2.0% (23.96%).

Figure 2 shows the location of the interference received by WWRD-LP (BLTTL-20071011AAP).

[1] See *The Incentive Auction Task Force and Media Bureau Announce Procedures for Low Power Television, Television Translator and Replacement Translator Stations During the Post-Incentive Auction Transition*, Public Notice, at Section III paragraph 8 (DA 17-442, Released May 12, 2017).

Table I. Interference Analysis Results Summary
Prepared for:
Life Broadcasting Network
WWRD-LP Dayton, OH
Facility ID 17237
Ch. 32 (Analog) 13 kW (DA Cust.) 128.86 m

Study build station data: LMS TV 2018-04-11
Proposal: WWRD-LP N32 LD LIC Dayton, OH
Facility ID: 17237
Study cell size: 0.50 km
Profile point spacing: 0.50 km
Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Caused Interference:

Received interference:

Channel	Station Affected	City, State	File Number	Aggregated New IX (%)
N32+	WWRD-LP	Dayton, OH	BLTTL20071011AAP	23.96

Interference-free Population: 365,211

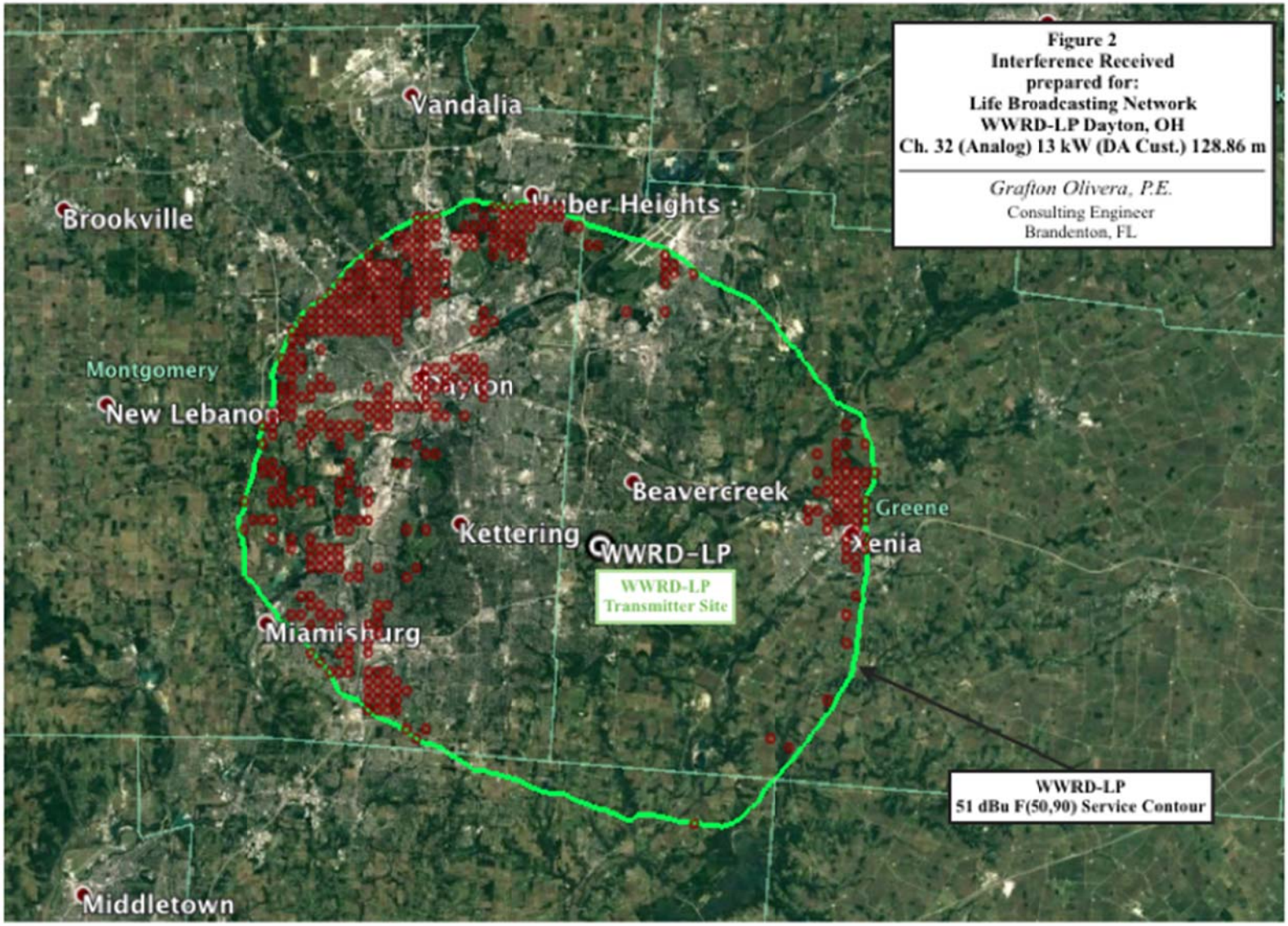
Figure 2
Interference Received
prepared for:
Life Broadcasting Network
WWRD-LP Dayton, OH
Ch. 32 (Analog) 13 kW (DA Cust.) 128.86 m
Grafton Olivera, P.E.
Consulting Engineer
Brandenton, FL
Vandalia
Brookville
Montgomery
New Lebanon
Beavercreek
Greene
Kettering
WWRD-LP
WWRD-LP
Transmitter Site
Miamisburg
Middletown
WWRD-LP
51 dBu F(50,90) Service Contour