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TECHNICAL NARRATIVE

This technical exhibit was prepared in behalf of La Gigante Siembra Inc., permittee of FM station WLUZ, Construction Permit File Number: BMPED-20150626AAP, in support of an Application for License to Cover.

The new facilities of WLUZ have been constructed in compliance with the terms of the reference construction permit above. The directional FM antenna used, Propagation Systems Inc., Model PSIFMR-4C-50WS-DA, is in compliance with the directional pattern authorized by the FCC Construction Permit. Detailed information related to the parameters and equipment used for the constructed facilities are shows in the "Engineering Technical Information".

All the special operating conditions and restrictions of the reference construction permit were verified by a certified surveyor and under the supervision of a qualified broadcast engineer. The certifications of the surveyor and affidavit of the engineer in charge of the installation process are included as attachments in this technical narrative.



The Directional Antenna Proof-of-Performance Certification is submitted on "PSI ANTENNA CERTIFICATION (WLUZ) 1589.pdf " attachment.

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August 30, 2016



Engineering Technical Information

Channel 203B Frequency 88.5 MHz

Transmitter Site Coordinates (NAD27) 18°-18'-36" N

65°-47'-41" W

Height of Antenna Center of Radiation 50 m (164 ft) AGL

1054 m (3458 ft) AMSL

Transmitter Nicom NT 3000

Transmitter Output Power 2.21 kw
Transmission Line HJ7-50

Transmission Line Length 53 m (174 ft)
Transmission Line Efficiency 92.58%

Antenna Manufacturer Propagation System Inc.
Antenna Model PSIFMR-4C-50WS-DA

Polarization Circular

Power Gain 2.29 (3.60 dB)

Antenna Input Power 2.05 kw

Effective Radiated Power 4.7 kw



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PSI ANTENNA PSIFMR-4C-50WS-DA PROOF OF PERFORMANCE

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