



**STATEMENT OF HERMAN E. HURST, JR.
Regarding ANTENNA SYSTEM RESTORATION
WWRL – NEW YORK, NY
1600 kHz – 5.0kW/25kW-LS DA-2**

Licensee: NJ Broadcasting, LLC

Radio Station WWRL New York, NY has completed repair of its antenna system. A damaged tower was replaced with a new one of the same kind, size, and height. Damaged components were also replaced. Upon completion, the antenna system was found to be operating in compliance with the current licensed parameters. This is exhibited by the attached detailed tabulation of current system operating parameters as measured by Thomas R. Ray, III consulting engineer, under my direction.

I hereby certify that the WWRL directional antenna system has been restored to normal licensed operating condition.

This statement was prepared by me or under my direct supervision and the information contained herein is believed to be true and correct, under penalty of perjury.

DATED: June 28, 2021

Herman E. Hurst, Jr.

WWRL Measured Operating Parameters

DAYTIME PARAMETERS

Common point current: 22.95 Amps

<u>Tower 1</u>	0.424 at 34.3 degrees (-1.39%, +0.3 degrees)	Licensed: .430 at 34.6 degrees
<u>Tower 2</u>	1.0 at 0 degrees (reference)	
<u>Tower 3</u>	1.295 at 112.1 degrees (+0.23%, +0.1 degree)	Licensed: 1.292 at 112.2 degrees
<u>Tower 4</u>	0.701 at 135.4 degrees (-1.54%, +2.0 degrees)	Licensed: .712 at 133.4 degrees

DAYTIME MONITOR POINTS

21 degree radial: 49.5 mV/M (limit 60.7)
202.5 degree radial: 28 mV/M (limit 43.5)
259 degree radial: 102 mV/M (limit 105)

WWRL Measured Operating Parameters

NIGHTTIME PARAMETERS

Common Point Current: 10.4

<u>Tower 1</u>	1.015 at 7.8 degrees (-1.26%, +1.5 degrees)	Licensed: 1.028 at 6.3 degrees
<u>Tower 2</u>	1.0 at 0 degrees (reference)	
<u>Tower 3</u>	.972 at 96.1 degrees (-3.57%, +0.6 degrees)	Licensed: 1.008 at 95.5 degrees)
<u>Tower 4</u>	1.03 at 101.1 degrees (+2.24%, +0.1 degree)	Licensed: 0.981 at 101 degrees)

NIGHTTIME MONITOR POINTS

14 degree radial:	22.0 mV/M (limit 22.8)
55.5 degree radial:	112 mV/M (limit 130)
203.5 degree radial:	5.6 mV/M (limit 7.49)
227 degree radial:	11.0 mV/M (limit 11.4)
276 degree radial:	9.9 mV/M (limit 20.2)
318 degree radial:	13.9 mV/M (limit 14.5)