

# USER REPORT

## WFMZ-DT Allentown, PA

Barry Fisher, President  
Maranatha Broadcasting Company, Inc.

**MODEL:**  
**PSIMPTD-10-DCPA-46**

### TECHNICAL SPECIFICATIONS

<b>Frequency / Channel</b>	<b>46</b>
<b>Power Rating</b>	<b>30 kW</b>
<b>ERP</b>	<b>400 kW</b>
<b>Service</b>	<b>Digital</b>
<b>Mount Position</b>	<b>Top</b>
<b>Polarization</b>	<b>Horizontal</b>
<b>Directional</b>	<b>Yes</b>
<b>Radomes</b>	<b>International Orange Fiberglass</b>
<b>Deicers</b>	<b>No</b>

Corporate Office  
P.O. Box 113  
719 Pensacola Road  
Ebensburg, PA 15931

Phone: 81-472-5540  
Fax: 814-472-5676  
Email: sales@psibroadcast.com  
www.psibroadcast.com

“WFMZ-TV has undergone several antenna changes since signing on the air in 1976. Most recently, we chose PSI for our final top mount DTV antenna. The choice was made as a result of seeing the performance of another TV station’s PSI antenna located on our tower.

We compared the PSI antenna to other TV antennas on our tower. We noted that coverage of the PSI antenna was very consistent with the design pattern. As a result of our observations, we were very comfortable



**PSIMPTD-10-DCPA-46 BEING MOUNTED ON TOWER**



**PREPARING FOR MOUNTING**

with PSI’s ability to deliver high power antennas that work.

We chose a PSI top mount directional full power radome-enclosed slot antenna.

*continued*

**Propagation Systems, Inc. (PSI)**  
**Quality Broadcast Antenna Systems**



# USER REPORT

## WFMZ-DT Allentown, PA

Barry Fisher, President  
Maranatha Broadcasting Company, Inc.

**MODEL:**  
**PSIMPTD-10-DCPA-46**

### TECHNICAL SPECIFICATIONS

<b>Frequency / Channel</b>	<b>46</b>
<b>Power Rating</b>	<b>30 kW</b>
<b>ERP</b>	<b>400 kW</b>
<b>Service</b>	<b>Digital</b>
<b>Mount Position</b>	<b>Top</b>
<b>Polarization</b>	<b>Horizontal</b>
<b>Directional</b>	<b>Yes</b>
<b>Radomes</b>	<b>International Orange Fiberglass</b>
<b>Deicers</b>	<b>No</b>

Corporate Office  
P.O. Box 113  
719 Pensacola Road  
Ebensburg, PA 15931

Phone: 81-472-5540  
Fax: 814-472-5676  
Email: sales@psibroadcast.com  
www.psibroadcast.com



*Continued*

However, we had two critical requirements; the antenna had to meet specific space limitations in length to avoid any FAA modifications to our tower height and it had to support an existing FM antenna. PSI engineered an elegant solution to our problem and delivered the product on time without any problems.

The antenna has been on the air for two years now in good and bad weather. In all cases VSWR has remained very low. We are very pleased with our PSI antenna and with the performance of the company as a whole.”

Barry Fisher, President  
Maranatha Broadcasting Company, Inc.



**Propagation Systems, Inc. (PSI)**  
**Quality Broadcast Antenna Systems**

