

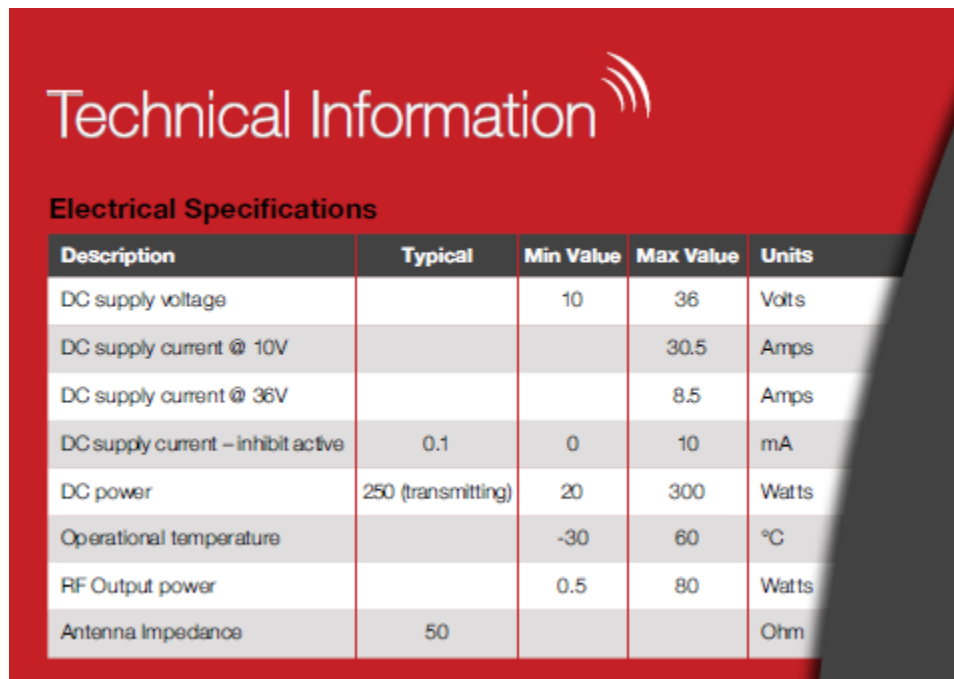
Exhibit A

Purpose of Experiment

The Pennsylvania Turnpike Commission (PTC) operates a Curve Speed Warning System (CSWS) at the Breezewood Interchange. The CSWS uses a speed sensor to detect when motorists are travelling at a dangerous speed for the exit ramp curvature and provides warning to motorists using a combination of flashing lights and digital message signs. The PTC desires to test the inclusion of the Radiolert FM80 in the CSWS operation.

The Radiolert FM80 is capable of automatically identifying 400 FM radio stations and their individual transmission signal strength to detect the 24 strongest stations to simultaneously over-broadcast pre-recorded messages. The PTC's desired test of the Radiolert FM80 will restrict the over-broadcast to 2 specific FM radio station frequencies and a single pre-recorded message.

The Radiolert FM80's over-broadcast message will be received by passing vehicle's FM radio to instruct the motorist to slow down while traveling on the Breezewood Interchange exit ramp. The over-broadcast message will be of a set duration and recurrence and would only be transmitted while the CSWS lights and message signs are activated.



Description	Typical	Min Value	Max Value	Units
DC supply voltage		10	36	Volts
DC supply current @ 10V			30.5	Amps
DC supply current @ 36V			8.5	Amps
DC supply current – inhibit active	0.1	0	10	mA
DC power	250 (transmitting)	20	300	Watts
Operational temperature		-30	60	°C
RF Output power		0.5	80	Watts
Antenna Impedance	50			Ohm

Figure 1 - FM80 Technical Specifications

The PTC's Radiolert FM80 installation will include a radiating coaxial cable installed along the righthand roadside edge to limit the intended propagation area to a semi-cylindrical zone which is 850 feet long and 50 feet radius. This will ensure the warning message is targeted only to motorists who are traveling on the Breezewood Interchange eastbound exit ramp. Figure 2 shows the longitudinal length of 850 feet of the coax represented by a red dotted line. The green shading depicts the intended maximum propagation footprint on either side of the cable. The light blue contour lines are at a two-foot interval.

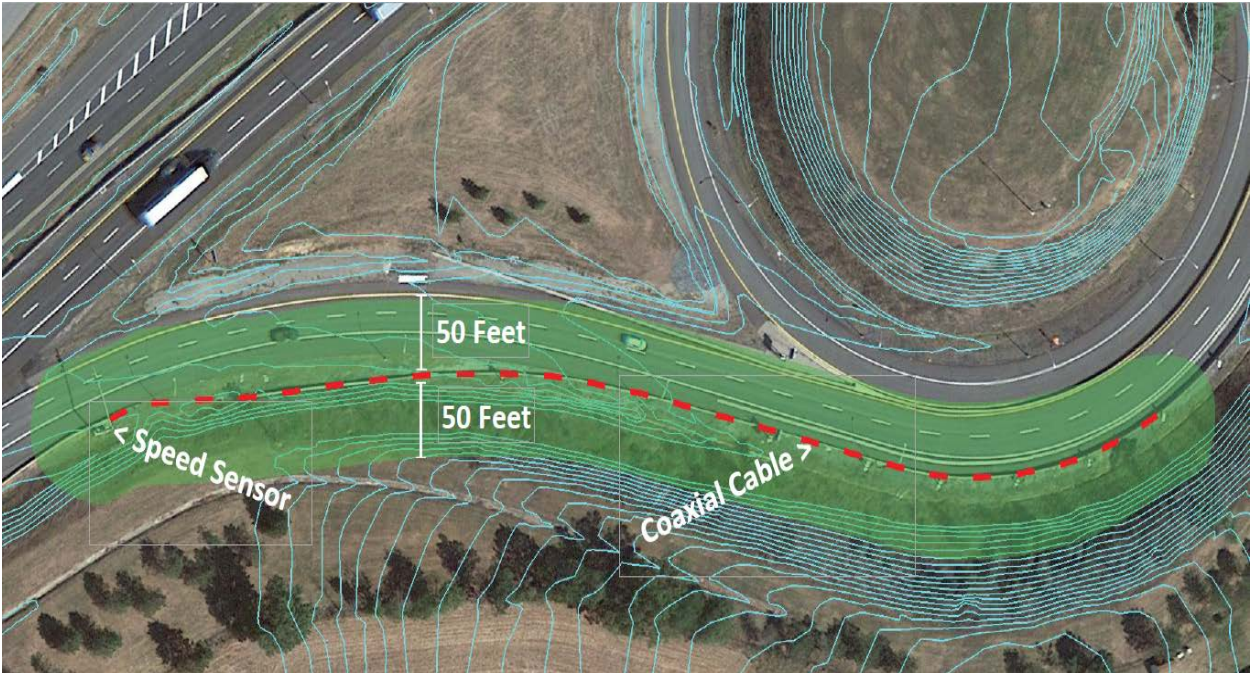


Figure 2 - Area of Experimental Operation

Figure 3 shows the Radiolert transmission distance of 50 feet is sufficient to cover the roadway where the right lane transitions into the eastbound exit lane. This controlled propagation area is intended to target only those motorists traveling the Breezewood Interchange eastbound exit ramp; motorists traveling on the eastbound and westbound through lanes should not receive the over-broadcast message and continue to hear the radio station's broadcast.



Figure 3 - Radiolert Transmission Distance

The PTC has completed due diligence in acquiring letters of concurrence (LOC) from two FM radio stations. The LOC for FM channel 104.3 MHz from New Millennium Communications Group and 107.5 MHz from Cessna Communications can be seen below in figure 4 and 5, respectfully. The Radiolert FM80 will only transmit on the approved channels as delineated in the LOCs below.



INFORMATION TECHNOLOGY DEPARTMENT
 Pennsylvania Turnpike Commission
 PO Box 67676, Harrisburg PA 17106-7676
 717.939.9551

September 12, 2019

Radio Station WSKE (104.3 Country)
 New Millennium Communications Group, Inc.

Re: Emergency Warning Communication System Test

The Pennsylvania Turnpike Commission ("PTC"), partnered with Emergency Warning Systems ("EWS"), is planning an experimental trial of the Radiolert system. The Radiolert system is a public safety innovation which aims at enhancing roadway safety.

The Radiolert unit would be configured to "over-broadcast" only when an incident takes place on the Breezewood Interchange's eastbound off ramp, where a Curve Speed Warning System is in place. When the Curve Speed Warning System deactivates, the Radiolert system will cease transmission and radio listeners will immediately resume hearing the station's regular broadcast.

All FM stations providing approval for the testing would be over-broadcasted equally, and in the same manner.

The PTC and EWS are obtaining an FCC Experimental Authorization for this project, to be tested on a trial basis, and any such operations will be pursuant to this FCC authorization. Prior to obtaining authorization, the FCC requires the FM radio stations in the area of Breezewood Interchange to consent to installation of the system and the subsequent over-broadcast testing.

By your signature below, you are hereby consenting to the over-broadcasting of station WSKE's FM radio signal transmitted from the EWS' Radiolert unit for the sole purpose of alerting the station listeners to road safety concerns related to the Breezewood Interchange Curve Speed Warning System for the duration of this FCC experimental trial. If at any point station WSKE wishes to discontinue this agreement, they may do so in writing to the undersigned representative of the PTC.

Sincerely 

Robert J. Taylor, P.E. PTOE
 Chief Technology Officer
 Pennsylvania Turnpike Commission

Accepted by: 
 Authorized Signature

John C Imler, Gen Mgr
 Name and Title



Figure 4 - Letter of Concurrence from Radio Station WSKE (104.3 MHz)



INFORMATION TECHNOLOGY DEPARTMENT
 Pennsylvania Turnpike Commission
 PO Box 67676, Harrisburg PA 17108-7676
 717.939.9551

September 12, 2019

Radio Station WBVE (B ROCK 107.5)
 Cessna Communications, Inc.

Re: Emergency Warning Communication System Test

The Pennsylvania Turnpike Commission ("PTC"), partnered with Emergency Warning Systems ("EWS"), is planning an experimental trial of the Radiolert system. The Radiolert system is a public safety innovation which aims at enhancing roadway safety.

The Radiolert unit would be configured to "over-broadcast" only when an incident takes place on the Breezewood Interchange's eastbound off ramp, where a Curve Speed Warning System is in place. When the Curve Speed Warning System deactivates, the Radiolert system will cease transmission and radio listeners will immediately resume hearing the station's regular broadcast.

All FM stations providing approval for the testing would be over-broadcasted equally, and in the same manner.

The PTC and EWS are obtaining an FCC Experimental Authorization for this project, to be tested on a trial basis, and any such operations will be pursuant to this FCC authorization. Prior to obtaining authorization, the FCC requires the FM radio stations in the area of Breezewood Interchange to consent to installation of the system and the subsequent over-broadcast testing.

By your signature below, you are hereby consenting to the over-broadcasting of station WBVE's FM radio signal transmitted from the EWS' Radiolert unit for the sole purpose of alerting the station listeners to road safety concerns related to the Breezewood Interchange Curve Speed Warning System for the duration of this FCC experimental trial. If at any point station WBVE wishes to discontinue this agreement, they may do so in writing to the undersigned representative of the PTC.

Sincerely,

Robert J. Taylor, P.E. PTOE
 Chief Technology Officer
 Pennsylvania Turnpike Commission

Accepted by:

Authorized Signature

Jay B. Cessna, President
 Name and Title



Figure 5 - Letter of Concurrence from Radio Station WBVE (107.5 MHz)

In advance, I would like to thank you for your assistance and cooperation in this highly important public safety communications system initiative.

The PTC continually strives to find new ways to communicate with its motorists and promote safe travel within its roadway system. The authorization of this experimental license will assist PTC in its development to provide the highest grade of public safety operations along the Pennsylvania Turnpike.

If you have any questions, I can be contacted at (407)-333-2300.

Sincerely,

Alireza Shahnami

Authorized Representative

Pennsylvania Turnpike Commission