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**American Signal TEMPEST™ T-128  
Warning Siren Propagation Coverage Distance**

**SRE v2.50 Results: Tempest™ T-128 Hilly**

**Siren Input Data**

Select Single or Dual Tone Siren:	Single Tone Siren
Siren Frequency (Lowest Frequency):	500 Hz
Dual Tone Ratio from Low to High:	1.0
dBC @ 100' (105 to 135)dBC	128 dBC

**Weather & Terrain**

Stability of Weather	Stability C Pasquill
Terrain Type	Hilly Terrain
Desired Range to dBC	70 dBC

**Results/Expected Range to Ref. dBC**

Siren Range in Meters	2,323.03 M
Siren Range in Feet	7,621.39 F
Siren Range in Miles	<b>1.44 Mi.</b>

**SRE v2.50 Results: Tempest™ T-128 Flat**

**Siren Input Data**

Select Single or Dual Tone Siren:	Single Tone Siren
Siren Frequency (Lowest Frequency):	500 Hz
Dual Tone Ratio from Low to High:	1.0
dBC @ 100' (105 to 135)dBC	128 dBC

**Weather & Terrain**

Stability of Weather	Stability C Pasquill
Terrain Type	Flat Terrain
Desired Range to dBC	70 dBC

**Results/Expected Range to Ref. dBC**

Siren Range in Meters	3,469.10 M
Siren Range in Feet	11,381.41 F
Siren Range in Miles	<b>2.16 Mi.</b>



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**SRE v2.50 Results: Tempest™ T-128 Average**

<b>Siren Input Data</b>	
Select Single or Dual Tone Siren:	Single Tone Siren
Siren Frequency (Lowest Frequency):	500 Hz
Dual Tone Ratio from Low to High:	1.0
dBC @ 100' (105 to 135)dBC	128 dBC
<b>Weather &amp; Terrain</b>	
Stability of Weather	Stability C Pasquill
Terrain Type	Average Terrain
Desired Range to dBC	70 dBC
<b>Results/Expected Range to Ref. dBC</b>	
Siren Range in Meters	3,004.46 M
Siren Range in Feet	9,857.04 F
Siren Range in Miles	<b>1.87 Mi.</b>

Calculation Template Provided by:  
Analysis & Computing, Inc.  
Dr. Van Lee PhD.