



RESOLVING for even more

As always, thank you for clicking in. Early in the New Year, it is common to make resolutions, typically to improve one's behavior or health. Here at NGC Testing Services, we are ready to make 2014 even better as we continue to expand and improve our overall services. To this end, we are continuing to grow in test equipment, capabilities and staffing. We even sometimes have an opportunity to share information. As co-presenter at the recent international SURFACES 2014! Convention in Las Vegas, Nev., one of the points I imparted was the large volume of data we

collect in a typical IIC test. You might be surprised when you read the story. And although we are in mid-winter, spring is not far off. In this issue, we also highlight what spring brings to Buffalo besides warmer weather: Many great festivals. I like to think the festivals relate to our clients celebrating their successful test projects. Now there's a happy thought. From all of us at NGC Testing Services, here's to a great start in 2014.

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DIDYOUKNOW?

Festivals near our headquarters...

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Data in IIC TESTS

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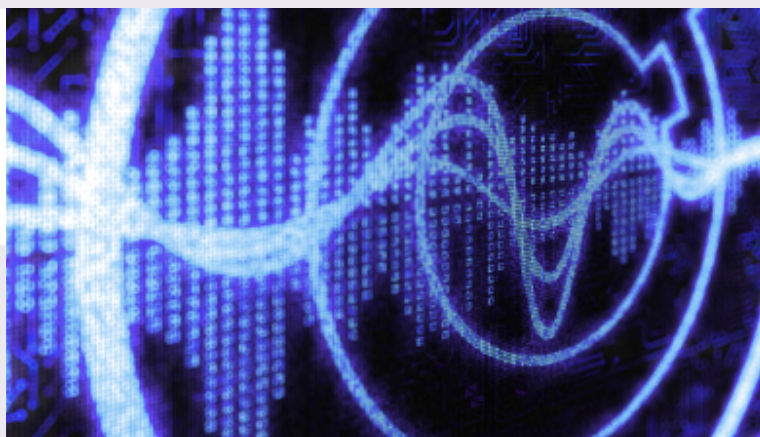
Focus On: What is a Decibel (dB)?

"Decibel" describes how loud a sound is, and it's defined as a logarithmic ratio of two power quantities.

In acoustics, a decibel is the ratio of sound pressure to the reference pressure of 20 micropascals (the lowest pressure heard by the human ear). A level of 90 dB is 1 billion times greater than this reference pressure.

The human ear, though quite sensitive, is not able to detect a difference of 3 dB in sound level. Also, decibels are added logarithmically. If you have two sound sources of 90 dB each, the total overall sound level is 93 dB (not 180 dB).

A "Bel" was originally named in honor of Alexander Graham Bell when he attempted to quantify the transmission efficiency in "Transmission Units" (renamed "bels") of the telephone.





DIDYOUKNOW?

Any Time is a Good Time for a Festival!

As you plan your next test project at NGC, you can also attend a Buffalo festival—and celebrate your successful test project with a few thousand others.



March 16
Saint Patrick's Day Parade

April 21
Dyngus Day Parade & Celebration
Celebrate Polish heritage at the world's largest Dyngus Day parade.

May 30-June 1
Hellenic Festival - Celebrate Greek heritage and warm weather.

June 14 & 15
Allentown Art Festival
One of the nation's largest, attracting more than 1 million visitors annually.

June 15 & 16
Juneteenth Festival - Traditional African-American celebration of the end to slavery.

July 12 & 13
Taste of Buffalo
Largest two-day festival in the nation.

July 13-20
Canal Fest - Largest festival of its kind along the Erie Canal.

July 17-20
Italian Festival - Mama Mia!

The country's second largest Italian street fest.

July 27 & 28
Garden Walk - Largest floral and plant tour in the nation.

August 6-17
Erie County Fair - Celebrating 175 years and counting.

August 30 & 31
National Buffalo Chicken Wing Festival
In the town where it all began—and more than 20 tons are consumed.

November 26 & 27
Biggest Party Night and Turkey Trot - The oldest continuously (119 years) run footrace in the nation.

November 29
World's Biggest Disco - Dust off your pastel suit and platform shoes—tickets sell out early.



We Collect a Whole Lot of Data in IIC Tests

As co-presenter at the recent international SURFACES 2014! Convention in Las Vegas, Nev., I gave an example of the portion of data NGC Testing Services collects during a typical IIC test.

A typical IIC test includes a portion of data from:

- 4 tapping machine locations
- 8 microphone measurements per machine location
- 32 measurements total with tapping machine activated

Plus:

- 4 measurements in lower room: for background noise
- 20 measurements in lower room: absorption correction
- 60 measurements total for an IIC test, collected at each of 21 frequencies (50 Hz to 5000 Hz) simultaneously.



We collect 1,260 pieces of data from measurements. Each measurement represents an average of a tremendous amount of data collected over a period of time (up to 30 seconds) in millisecond timed intervals.

Per the test standard, data between 100 Hz to 3150 Hz is used to calculate IIC. Collection of data above and below these ranges is for information. Contact me for details or to initiate an IIC test on your products.

Please stay in touch!

Send any e-mail changes or additions to info@ngctestingservices.com so you can continue to receive *NGC Testing Services Update*.

