

**CURRENT Technologies, LLC**  
**Interference Mitigation and Avoidance**  
**CT S4e Meter**

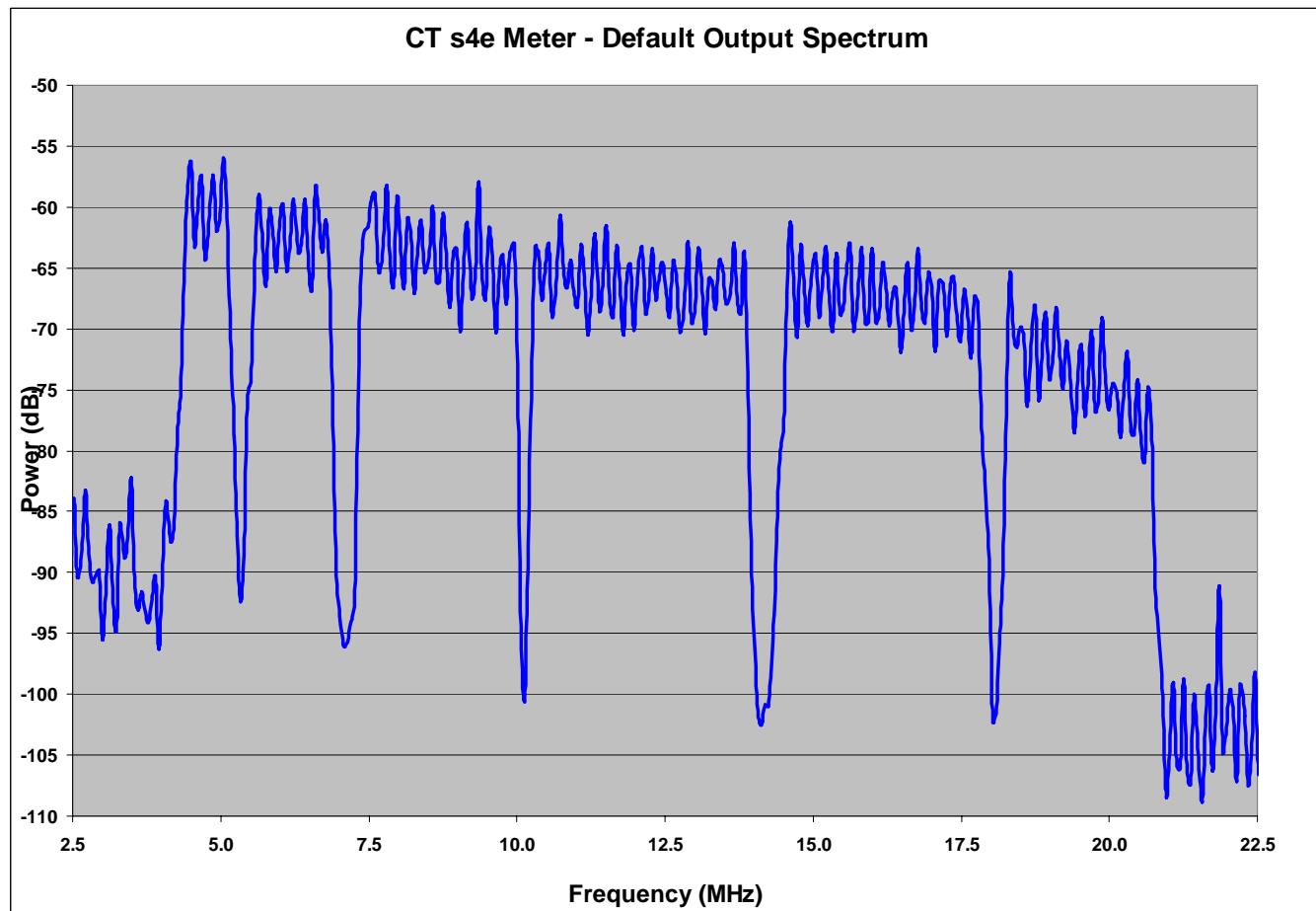
## 1. Notching Overview

The charts below demonstrate compliance with paragraph 15.611 (c)(1)(i) of the FCC BPL Report and Order dated October 28, 2004.

Interference mitigation is accomplished by removing specified OFDM carriers from the selected meter via a software download commanded remotely over the low voltage power line by CURRENT's network management system. A simple user interface allows the system operator to specify which carriers will be removed by number according to the table shown in Section 1.4.

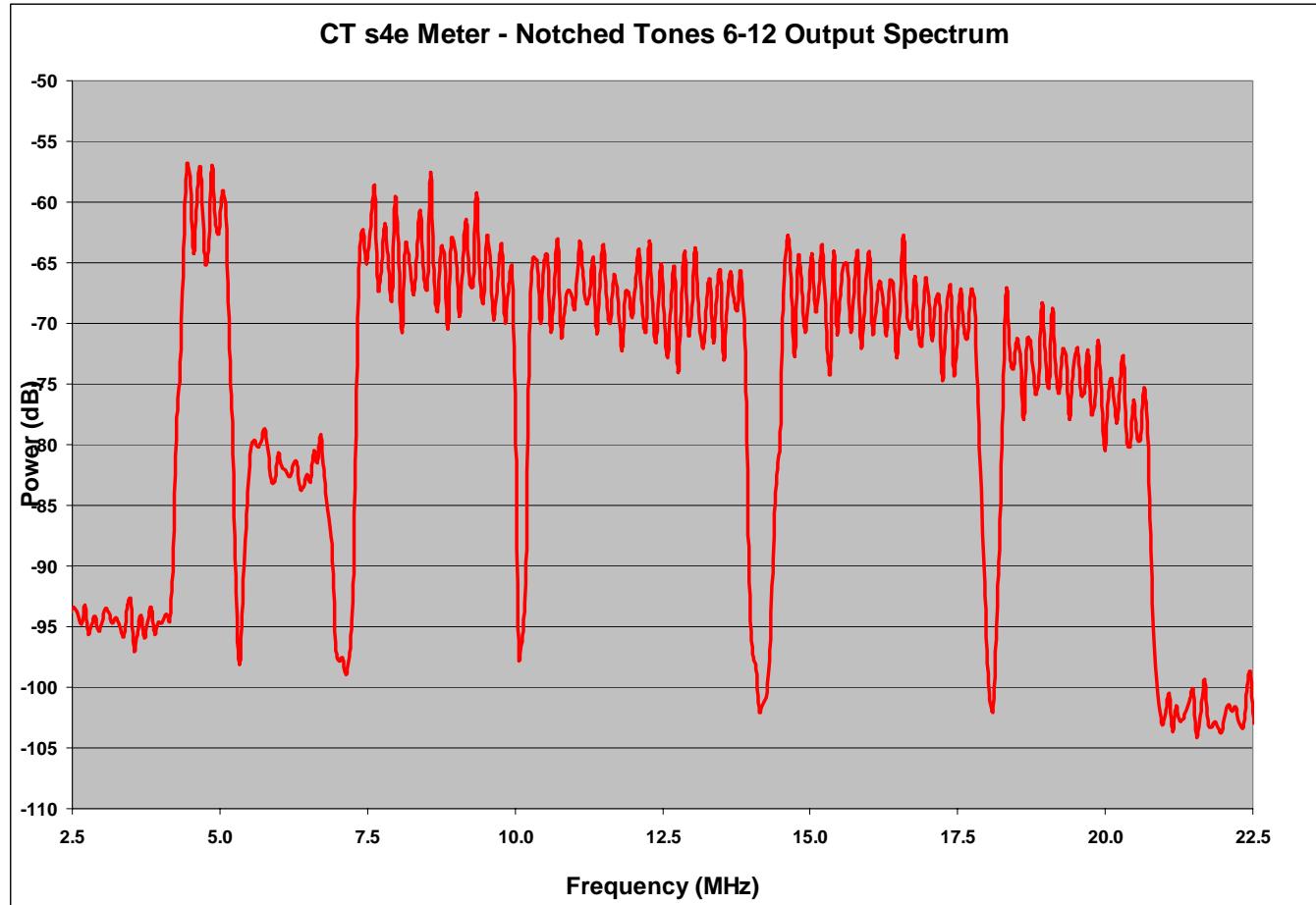
### 1.1 Baseline BPL Meter Output

The following chart shows the transmit power spectrum of the AMR meter as-shipped from the factory.



## 1.2 Notched BPL Meter Output

The following chart shows the transmit power spectrum of the same device measured above following a remote software change which removed carriers 6 through 12. The notch shows the required 20 dB suppression.



### 1.3 Notched BPL Meter Output following a Power Cycle

The following chart shows the transmit power spectrum of the same device measured in sections C.1.1 and C.1.2 of this document following a power cycle in order to demonstrate persistence through a power cycle as required by FCC Part 15.611 section C.

