

Response to TCB Findings

Question:

On Page 14 of the test report in the radiated emissions plots the spectrum analyzer's Avg BW setting shows 10kHz. Please explain the reason for this setting.

Response:

The header for the section containing the plots reads: "12 g Signature scans..." which indicates that these plots represent wide frequency scans of the device emissions, but are **not the final readings** of the signals being measured.

The plots performed above 1 GHz are performed with a narrower video bandwidth to obtain a smoother appearance and to lower the overall noise floor while exploring for the signals to be measured. The height of the emissions spikes, while being a peak hold, are about at the level of the final readings taken, but usually may be a little lower.

Each emission seen is measured individually, and those values are seen in the tabular data seen on **page 17**. These readings are performed with a **RBW of 1 MHz**, and **VBW of 1 MHz** for readings above 1 GHz.

Question:

Please confirm that the device has been tested with a new set of batteries.

Response:

Battery operated products are tested with fresh batteries, and the voltage recorded in the Lab notebooks. Intermittently during the testing the battery voltage is checked, and they are replaced if the voltage has fallen under 1.5 VDC (per battery, if of that type, i.e. C,D, AA, AAA).