

9/29/11 Comments/Response

- 1) For both WLAN and Bluetooth (BT), please verify that the emissions were in 100% continuous – NON PULSING mode during the test. The concern with BT is that a large delta is shown between peak and average readings – indicative that pulsing or hopping was present during testing. Average measurement techniques are only allowed when a pulsing carrier is not present. If pulsing carrier was present, then 15.35 (duty factor calculations) should be provided. Additionally, there are multiple modulations/bandwidths available for BT. How was worse case modulation determined for bandedge? Lastly how was average taken? This is typically a reduced video bandwidth but the procedure suggests it may have been an average detector. If so, was it in compliance to KDB 966099. Please explain.

"Both WLAN and Bluetooth (BT) were in 100% continuous mode for testing purposes (i.e. non-pulsing). The differences between the peak and average measurements for BT were due to the noise contribution of the measurement system. The measurements for BT at the band-edge were at, or close to, the noise floor of the measurement system as indicated in the test report. Final average measurements were taken using a CISPR 16-1-1 compliant EMI receiver using an average detector with linear response."