

Question:

Section 7.2.7 of the report lists a conducted emission level of -13.7dBm (for 700ns setting). The corresponding plot does not seem to have a significant emission at that frequency. Please clarify how average emission levels are computed as listed in that section.

Response from Test Lab:

Having study the plots mentioned and revising the recorded data. It seems I have a typographical mistake with the results in this section. The result was supposed to be -23.7dBm rather than -13.7dBm. This was not obtained by calculation. It was in fact, taken from the analyser with an average detector when I closed into the identified emission. As for the 70ns pulse setting reading, this was just a noise floor measurement, as the emission was below the receiver noise floor. During this measurement I have only take into account of the losses of the attenuators, test fixture and cables, which is coupled to the EUT's antenna port and the measurement receiver. To resolve this matter, I will inform the secretaries to update the old report with the results amended.

Question:

Please address the same issue with an example calculation for the radiated emissions readings listed in section 7.2.8 of the report.

Response from Test Lab:

As for the radiated emissions measurements, I have taken the same approach to obtain the emissions average level instead of calculating it from the peak values. The plots shown within the reports were only preliminary scans made with peak detectors and trace Max Hold. Identified emissions were then closed in and measured using an average detector function. The levels were than recorded; with the antenna factors, cable loss and the correction factor of 95.2dB (correction factor for converting field strength at 3 metre to dBm EIRP) at the measured frequencies taken into account.