

Addition to transmitter fundamental signal level test

The transmitter fundamental level was measured in test report T36776-01-00TK with averaging method (10 Hz VBW), giving a measurement result of 40 dB μ V/m

This inherently takes into account the long term duty cycle of one pulse per 600 mS period

For completeness, the measurement is here compared to the FCC and IC requirements to average over a 100 mS period, using the peak level and the duty cycle correction factor

As per section 5.3 of test report T36776-01-00TK is -36.1 dB

As per section 5.1.3 of test report T36776-01-00TK, the peak fundamental level is 98.6 dB μ V/m

Therefore, the average fundamental level according to the FCC and IC requirements for a pulsing signal is: $98.6 - 36.1 = \mathbf{62.5 \text{ dB}\mu\text{V/m}}$