

Transmitter Field Strength levels measured in section 5.2.3 are all based on measurements of a CW signal with 100% duty cycle, to allow the measurement to be made.

Lower Mode = EUT Transmit in CW mode on the lower frequency f_1

Upper Mode = EUT Transmit in CW mode on the upper frequency f_2

Where the lower and upper frequencies are the frequency shift associated with the FSK signal.

The nominal frequency shift is 60 kHz

For the ASK signal, the EUT uses the centre frequency.

The highest measured level was: 58.2 dB μ V/m peak.

Adding antenna factors etc., gives: 75.0 dB μ V/m peak

The duty cycle reduction associated with the FSK signal is -21.21 dB, which results in an average level of: (75.0-21.21): 53.8 dB μ V/m

The duty cycle reduction associated with the ASK signal is -23.22 dB, which results in an average level of: (75.0-23.22): 51.8 dB μ V/m