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Application No. : 33219/3/400F**Applicant :** ARTIN INDUSTRIAL CO LTD**Product :** Remote Control Transmitter**Model :** 47710Calculation for Average Field Strength from the Time Domain Transmitter Emission Plot

Measured Duty Cycle (average) from time domain plot = 0.44

Average emission field strength = Peak emission field strength x 0.44

$$\begin{aligned}\text{Radiation (Average value at 27.145MHz) in dB}(\mu\text{V/m}) &= \text{Peak value in dB}(\mu\text{V/m}) + 20 \log 0.44 \\ &= 82 - 7.13 \text{ dB}(\mu\text{V/m}) \\ &= 74.87 \text{ dB}(\mu\text{V/m})\end{aligned}$$



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Transmitter Emssiion - Time Domain Plot

