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Investigation Dielectric Materials at Different Frequency Ranges

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In this study,effects of frequency to dielectric parameters and problems are investigated.The various dielectrics like paper, acetate, glass, rubber, silicon are used at experiment. Frequencies range is between at 50-400 Hz.Also the thickness of the dielectrics are changed at 2 and 4 mm. The results of the experiments are given as reel and imaginer loss factor, resistance, loss power and loss factor depending on frequecy. As a result, while some dielectrics have non problem at 50-60 Hz, the problem begins at higher frequency range. At higher frequency, dielectrics may loss dielectric properties.

References:

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