**CS M117**

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**LAB 2: Data Transmission over 802.11b Wireless LAN**

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**OBSERVATIONS**

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| **#** | **Main goals** | **Results with error** |
| **1** | Find absolute and effective bandwidths of the carrier signal and baseband signal |  |
| **2** | The shape of AM and FM signals in time domain for rectangular baseband signal with sinusoidal carrier |  |
| **3** | EBW of AM and FM signals; estimation of power requirements for DSBTC, DSBSC, and FM |  |
| **4** | Power spectrum for AM and FM (with sinusoidal carrier and rectangular baseband) signals and their BW |  |
| **5** | Compare the results of FM signals with AM DSBTC with the same amplitude of baseband signals and carrier. Make conclusion about required EBW and power |  |