

Fading Channels & Mobile Communications

IIT Kharagpur

Date: 26 Mar 2022

Exp 6A: Frequency Reuse

Name: SANJIT U19EC008

The screenshot displays the 'Exp6A Virtual Labs-FCMC IIT Kharagpur' interface. On the left, a control panel for user 'SANJIT U19EC008' includes a 'Cell Radius' of 40, frequency selection 'f: 1' and 'j: 1', and a 'N: 3' setting. It features buttons for 'Show Cells', 'Clear', 'Check', and 'Report'. A 'Help' section explains the task: 'Now Select co-channel cells corresponding to center cell by clicking on each co-channel cell. Then click on CHECK button.' A legend identifies 'Center Cell' (pink), 'Co Channel Cells' (blue), 'User Selected Cells' (orange), and 'Correct' (green). The main area shows a 10x10 grid of hexagonal cells, each labeled with a number from 00 to 99. Cells 01, 11, 21, 31, 41, 51, 61, 71, 81, 91 are blue. Cells 02, 12, 22, 32, 42, 52, 62, 72, 82, 92 are orange. Cells 03, 13, 23, 33, 43, 53, 63, 73, 83, 93 are green. Cells 04, 14, 24, 34, 44, 54, 64, 74, 84, 94 are orange. Cells 05, 15, 25, 35, 45, 55, 65, 75, 85, 95 are green. Cells 06, 16, 26, 36, 46, 56, 66, 76, 86, 96 are orange. Cells 07, 17, 27, 37, 47, 57, 67, 77, 87, 97 are green. Cells 00, 10, 20, 30, 40, 50, 60, 70, 80, 90 are orange. Cells 08, 18, 28, 38, 48, 58, 68, 78, 88, 98 are green. Cells 09, 19, 29, 39, 49, 59, 69, 79, 89, 99 are orange. A 'Discussion:' text area is at the bottom left, and a 'SUBMIT' button is at the bottom right. The footer includes 'Developed by Virtual labs, IIT-Kharagpur.' and a Windows taskbar with the date '26-03-2022' and time '00:57'.

Discussion:

(Signature of SANJIT U19EC008)

(Signature of Faculty)