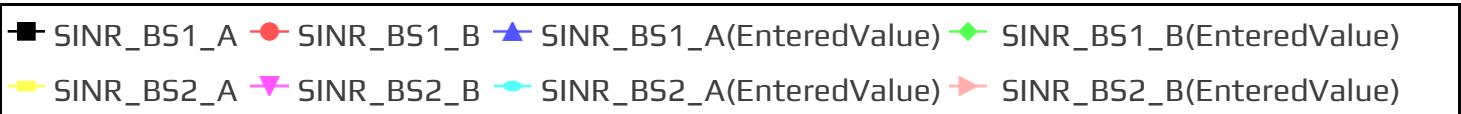
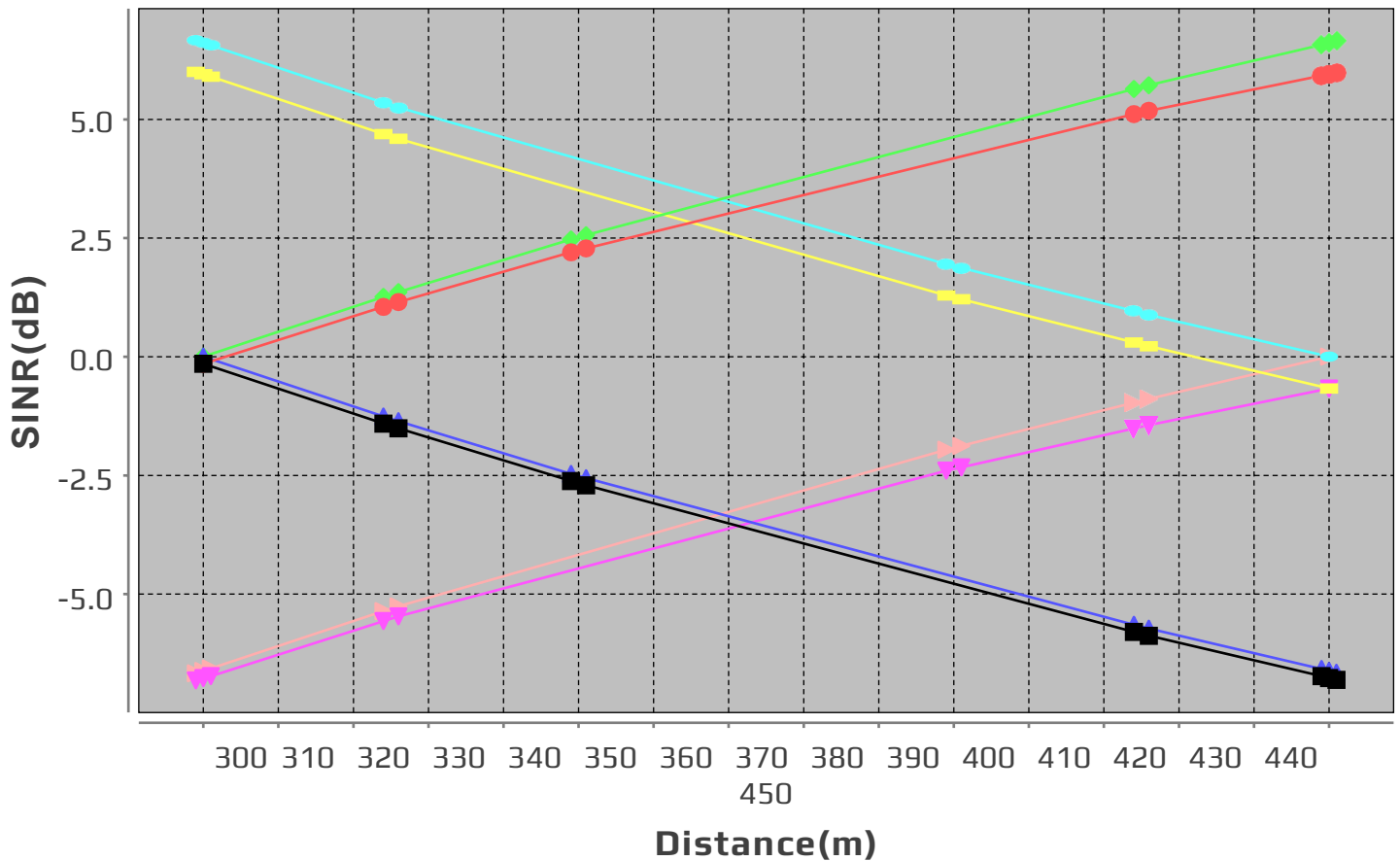


Exp 5B: SINR(Uplink)

Name: AMEY THAKUR

SINR vs Distance



Discussion:-

Co-channel interference or CCI is crosstalk from two different radio transmitters using the same channel. Co-channel interference can be caused by many factors from weather conditions to administrative and design issues. Co-channel interference may be controlled by various radio resource management schemes.

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Base Station 1							
Pr1_A(dB m)	d1_A(m)	Pr1_B(dB m)	d1_B(m)	SINR_A(d B)	SINR_B(d B)	Entered SINR_A(d B)	Entered SINR_B(d B)
-92.06	450.0	-85.44	300.0	-6.77	5.95	-6.62	6.61
-85.44	300.0	-85.44	300.0	-0.15	-0.15	0.0	0.0
-86.8	326.0	-85.44	300.0	-1.51	1.15	-1.36	1.36
-86.7	324.0	-85.44	300.0	-1.41	1.05	-1.26	1.26
-88.0	351.0	-85.44	300.0	-2.71	2.28	-2.56	2.56
-87.91	349.0	-85.44	300.0	-2.62	2.2	-2.47	2.47
-92.1	451.0	-85.44	300.0	-6.81	5.98	-6.66	6.65
-92.02	449.0	-85.44	300.0	-6.73	5.92	-6.58	6.57
-91.17	426.0	-85.44	300.0	-5.88	5.18	-5.73	5.72
-91.09	424.0	-85.44	300.0	-5.8	5.11	-5.65	5.64
Base Station 2							
Pr2_A(dB m)	d2_A(m)	Pr2_B(dB m)	d2_B(m)	SINR_A(d B)	SINR_B(d B)	Entered SINR_A(d B)	Entered SINR_B(d B)
-85.44	300.0	-92.06	450.0	5.95	-6.77	6.61	-6.62
-92.06	450.0	-92.06	450.0	-0.67	-0.67	-0.0	-0.0
-91.09	424.0	-92.06	450.0	0.3	-1.51	0.96	-0.97
-91.17	426.0	-92.06	450.0	0.22	-1.44	0.88	-0.89
-90.1	399.0	-92.06	450.0	1.29	-2.4	1.95	-1.96
-90.18	401.0	-92.06	450.0	1.21	-2.33	1.87	-1.88
-85.39	299.0	-92.06	450.0	6.0	-6.82	6.66	-6.67
-85.49	301.0	-92.06	450.0	5.9	-6.73	6.56	-6.57
-86.7	324.0	-92.06	450.0	4.69	-5.57	5.35	-5.36
-86.8	326.0	-92.06	450.0	4.59	-5.47	5.25	-5.26

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