Index Info JavascriptDoc Plot Statistics

## Group variances of reference scenario experiments of Access Point CREW\_64:70:02:3e:aa:d9

Measurement Points	Room	X in meters	Y in meters	Experiment01 Variance	Experiment01 Mean in dBm	Experiment02 Variance	Experiment02 Mean in dBm	Experiment03 Variance	Experiment03 Mean in dBm	Experiment04 Variance	Experiment04 Mean in dBm	Group Variance
1	FT236	2.02	10.98	7.58	-56.87	10.92	-59.5	0.25	-53.5	9.24	-58.4	11.81
2	FT222	2.17	4.98	112.24	-37.4	3.64	-35.83	57.49	-49.25	94.71	-40.7	98.83
3	hollway_2nd	3.51	9.02	1.09	-46.2	46.75	-50.5	1.25	-56.05	1.25	-55.95	26.18
4	FT235	5.16	10.94	0.25	-51.13	2.08	-63.42	34.66	-61.2	1.26	-58.8	29.82
5	FT223	5.39	5.06	0.43	-37.8	0.17	-39	0.43	-43.15	50.85	-51.45	45.2
6	FT223	8.48	1.93	1.47	-44	1.58	-43.5	0.93	-39.85	22.45	-46.45	14.21
7	hollway_2nd	9.81	9.02	0.25	-50.47	20.41	-58.08	1.3	-58	1.96	-47.8	26.2
8	FT224	11.57	5.06	1.56	-46.67	2.41	-55.58	0.73	-55.35	8.69	-52.1	15.38
9	FT224	11.57	1.89	0.06	-45.93	0.39	-52.67	20.33	-55.15	2.93	-55.35	21.16
10	FT233	14.48	10.95	0.69	-69.8	0.81	-71.83	11.3	-74.47	1.43	-72.85	6.88
11	hollway_2nd	16.12	9.02	3.66	-65.73	2.52	-69.75	0.39	-69.1	1.61	-63.7	8.13
12	FT225	17.56	5.06	0.33	-51.07	1.89	-65.67	18.19	-57.9	0.89	-61.25	29.97
13	FT232	17.59	10.95	0.2	-68.27	2.52	-77.75	0.24	-80.58	44.35	-72.55	36.44
14	FT231	20.54	10.94	0.65	-74.87	No Data	No Data	2.59	-81.25	1.29	-84.16	15.32
15	FT225	20.71	1.65	0.52	-58.53	0.17	-63	40.68	-65.05	13.75	-67.95	28.04
16	hollway_2nd	22.08	9.02	1.02	-70.67	0.58	-78.92	0.45	-76.55	29.19	-75.75	16.84
17	FT226	23.9	1.67	0.8	-58	0.5	-68	0.26	-66.8	23.39	-65.75	20.97
18	FT226	26.53	5.39	0.92	-62.47	1.08	-71.08	21.18	-67.37	11.75	-75.5	33.97
19	stairs_2nd	26.68	9.03	1.26	-76.93	1.89	-76.67	0.95	-81.95	2.2	-79.11	6.15
20	FT227	30.28	1.67	0.86	-65.07	0.17	-69	26.36	-72.2	10.79	-77.25	31.71
Average				6.79		5.29		12		16.7		26.16

## Group variances of signal generator interference scenario experiments of Access Point CREW\_64:70:02:3e:aa:d9

Measurement	<b>D</b>	X in	Y in	Experiment01	Experiment01	Experiment02	Experiment02	Group
	Room			•	•	•	•	•

Points		meters	meters	Variance	Mean in dBm	Variance	Mean in dBm	Variance
1	FT236	2.02	10.98	2.35	-51.95	0.75	-50.45	2.11
2	FT222	2.17	4.98	1.09	-39.9	34.26	-38.8	17.98
3	hollway_2nd	3.51	9.02	12.46	-57.2	1.96	-51.2	16.21
4	FT235	5.16	10.94	4.75	-60.5	2.13	-53.15	16.94
5	FT223	5.39	5.06	5.16	-46	2.56	-37.58	21.59
6	FT223	8.48	1.93	3.84	-41.22	1.85	-49.79	21.15
7	hollway_2nd	9.81	9.02	0.16	-64.2	0.94	-53.6	28.64
8	FT224	11.57	1.89	0.45	-54.45	0.89	-56.9	2.17
9	FT224	11.57	5.06	0.44	-58.75	0	-52	2.93
10	FT233	14.48	10.95	2.35	-67.55	2.64	-71.6	6.59
11	hollway_2nd	16.12	9.02	32.36	-67.56	0	-51	67.25
12	FT225	17.56	5.06	No Data	No Data	No Data	No Data	No Data
13	FT232	17.59	10.95	15.05	-73.05	No Data	No Data	15.05
14	FT231	20.54	10.94	No Data	No Data	No Data	No Data	No Data
15	FT225	20.71	1.65	No Data	No Data	No Data	No Data	No Data
16	hollway_2nd	22.08	9.02	No Data	No Data	No Data	No Data	No Data
17	FT226	23.9	1.67	No Data	No Data	No Data	No Data	No Data
18	FT226	26.53	5.39	No Data	No Data	No Data	No Data	No Data
19	stairs_2nd	26.68	9.03	No Data	No Data	No Data	No Data	No Data
20	FT226	30.28	1.67	No Data	No Data	No Data	No Data	No Data
Average				6.7		4.36		18.22
								.5.22

## Group variances of wifi interference scenario experiments of Access Point CREW\_64:70:02:3e:aa:d9

Measurement Points	Room	X in meters	Y in meters	Experiment01 Variance	Experiment01 Mean in dBm	Experiment02 Variance	Experiment02 Mean in dBm	Group Variance
1	FT236	2.02	10.98	34.03	-58.35	4.63	-55.85	20.89
2	FT222	2.17	4.98	28.64	-42.6	0.29	-39.1	17.53
3	hollway_2nd	3.51	9.02	4.59	-54.1	32.74	-50.4	22.09
4	FT235	5.16	10.94	3.81	-53.3	1.69	-54.25	2.97
5	FT223	5.39	5.06	19.41	-44.3	0.45	-46.05	10.69

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O	FT223	8.48	1.93	2.04	-43.6	0.2	-49	8.41
7	hollway_2nd	9.81	9.02	33.39	-56.25	1.84	-53.6	19.37
8	FT224	11.57	5.06	2.33	-54.35	2.44	-51.4	4.56
9	FT224	11.57	1.89	1.83	-48.15	22.25	-52.5	16.77
10	FT233	14.48	10.95	6.93	-71.65	21.56	-73.74	15.15
11	hollway_2nd	16.12	9.02	0.25	-70.55	20.19	-68.9	10.9
12	FT225	17.56	5.06	1.93	-56.15	8.93	-60.35	9.84
13	FT232	17.59	10.95	4.05	-77.95	0.66	-75.2	4.24
14	FT231	20.54	10.94	5.19	-84.75	4.19	-81.9	6.72
15	FT225	20.71	1.65	1.1	-64	0.56	-63.8	0.84
16	hollway_2nd	22.08	9.02	0.25	-76.5	0.45	-73.55	2.52
17	FT226	23.9	1.67	58.93	-70.65	2.75	-71.55	31.04
18	FT226	26.53	5.39	4.94	-62.4	1.7	-69	14.21
19	stairs_2nd	26.68	9.03	1.23	-76.35	67.84	-75.6	34.67
20	FT227	30.28	1.67	0.21	-63.7	32.83	-73.35	39.8
Average				10.75		11.41		14.66
	8 9 10 11 12 13 14 15 16 17 18 19 20	8 FT224  9 FT224  10 FT233  11 hollway_2nd  12 FT225  13 FT232  14 FT231  15 FT225  16 hollway_2nd  17 FT226  18 FT226  19 stairs_2nd  20 FT227	8 FT224 11.57 9 FT224 11.57 10 FT233 14.48 11 hollway_2nd 16.12 12 FT225 17.56 13 FT232 17.59 14 FT231 20.54 15 FT225 20.71 16 hollway_2nd 22.08 17 FT226 23.9 18 FT226 26.53 19 stairs_2nd 26.68 20 FT227 30.28	8 FT224 11.57 5.06  9 FT224 11.57 1.89  10 FT233 14.48 10.95  11 hollway_2nd 16.12 9.02  12 FT225 17.56 5.06  13 FT232 17.59 10.95  14 FT231 20.54 10.94  15 FT225 20.71 1.65  16 hollway_2nd 22.08 9.02  17 FT226 23.9 1.67  18 FT226 26.53 5.39  19 stairs_2nd 26.68 9.03  20 FT227 30.28 1.67	8       FT224       11.57       5.06       2.33         9       FT224       11.57       1.89       1.83         10       FT233       14.48       10.95       6.93         11       hollway_2nd       16.12       9.02       0.25         12       FT225       17.56       5.06       1.93         13       FT232       17.59       10.95       4.05         14       FT231       20.54       10.94       5.19         15       FT225       20.71       1.65       1.1         16       hollway_2nd       22.08       9.02       0.25         17       FT226       23.9       1.67       58.93         18       FT226       26.53       5.39       4.94         19       stairs_2nd       26.68       9.03       1.23         20       FT227       30.28       1.67       0.21	8       FT224       11.57       5.06       2.33       -54.35         9       FT224       11.57       1.89       1.83       -48.15         10       FT233       14.48       10.95       6.93       -71.65         11       hollway_2nd       16.12       9.02       0.25       -70.55         12       FT225       17.56       5.06       1.93       -56.15         13       FT232       17.59       10.95       4.05       -77.95         14       FT231       20.54       10.94       5.19       -84.75         15       FT225       20.71       1.65       1.1       -64         16       hollway_2nd       22.08       9.02       0.25       -76.5         17       FT226       23.9       1.67       58.93       -70.65         18       FT226       26.53       5.39       4.94       -62.4         19       stairs_2nd       26.68       9.03       1.23       -76.35         20       FT227       30.28       1.67       0.21       -63.7	8 FT224 11.57 5.06 2.33 -54.35 2.44  9 FT224 11.57 1.89 1.83 -48.15 22.25  10 FT233 14.48 10.95 6.93 -71.65 21.56  11 hollway_2nd 16.12 9.02 0.25 -70.55 20.19  12 FT225 17.56 5.06 1.93 -56.15 8.93  13 FT232 17.59 10.95 4.05 -77.95 0.66  14 FT231 20.54 10.94 5.19 -84.75 4.19  15 FT225 20.71 1.65 1.1 -64 0.56  16 hollway_2nd 22.08 9.02 0.25 -76.5 0.45  17 FT226 23.9 1.67 58.93 -70.65 2.75  18 FT226 26.53 5.39 4.94 -62.4 1.7  19 stairs_2nd 26.68 9.03 1.23 -76.35 67.84  20 FT227 30.28 1.67 0.21 -63.7 32.83	8 FT224 11.57 5.06 2.33 -54.35 2.44 -51.4 9 FT224 11.57 1.89 1.83 -48.15 22.25 -52.5 10 FT233 14.48 10.95 6.93 -71.65 21.56 -73.74 11 hollway_2nd 16.12 9.02 0.25 -70.55 20.19 -68.9 12 FT225 17.56 5.06 1.93 -56.15 8.93 -60.35 13 FT232 17.59 10.95 4.05 -77.95 0.66 -75.2 14 FT231 20.54 10.94 5.19 -84.75 4.19 -81.9 15 FT225 20.71 1.65 1.1 -64 0.56 -63.8 16 hollway_2nd 22.08 9.02 0.25 -76.5 0.45 -73.55 17 FT226 23.9 1.67 58.93 -70.65 2.75 -71.55 18 FT226 26.53 5.39 4.94 -62.4 1.7 -69 19 stairs_2nd 26.68 9.03 1.23 -76.35 67.84 -75.6 20 FT227 30.28 1.67 0.21 -63.7 32.83 -73.35