



OUTDOOR DAS

▪**SECTOR EVARISTO MORALES**

Polygon High Rise Buildings



OUTDOOR DAS - POLYGON HIGH RISE BUILDINGS

OBJECTIVES:

- **Improve Outdoor and In-building Cellular Coverage in a residential Polygon of High Rise Buildings**

SCOPE OF THE DAS PROJECT:

- **The Project involves the Installation of Six (6) Remote Units located on street poles connected via fiber to a Master Unit located at a remote Central Office.**

Equipment Manufacturer: Comba Telecom



POLE MOUNTED REMOTE UNITS

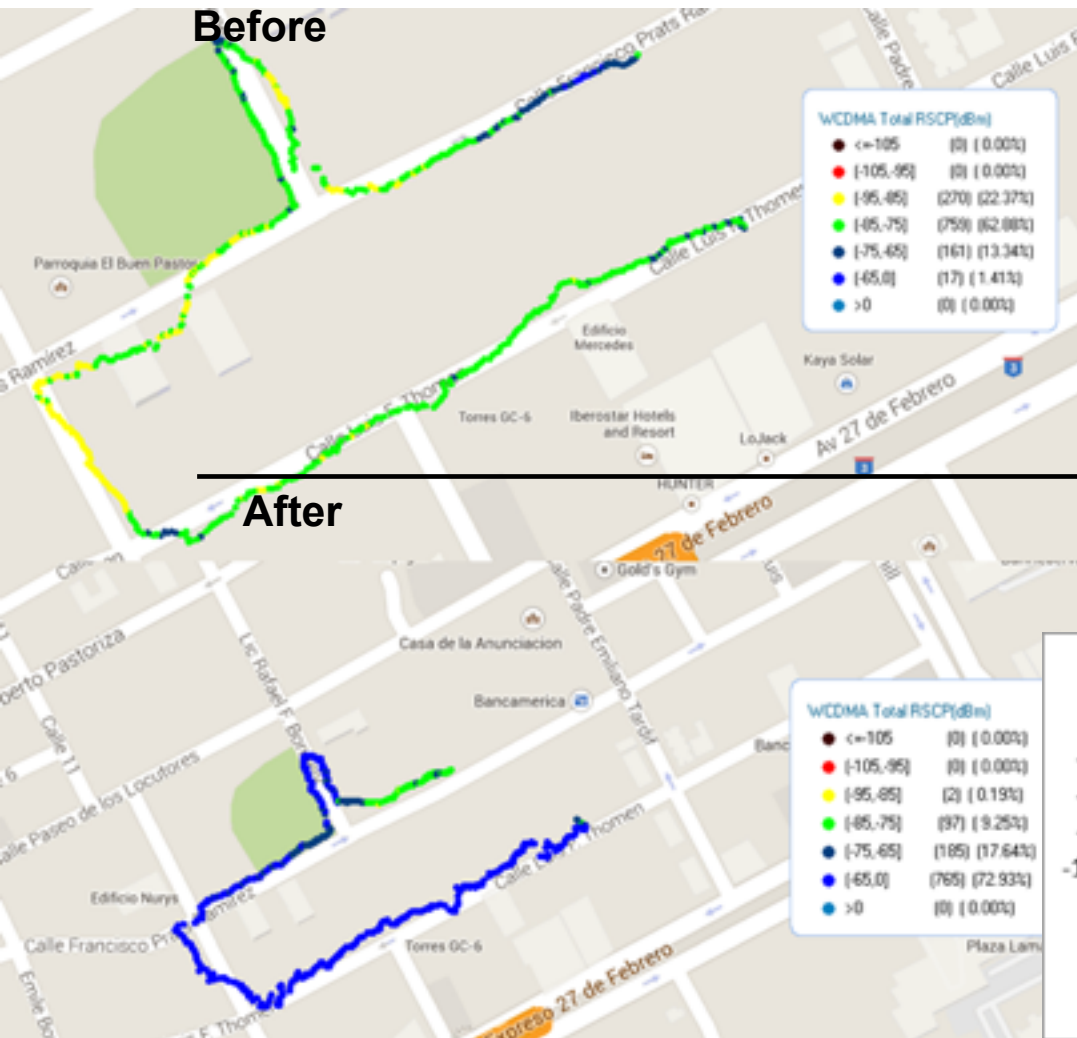


POLE MOUNTED REMOTE UNITS

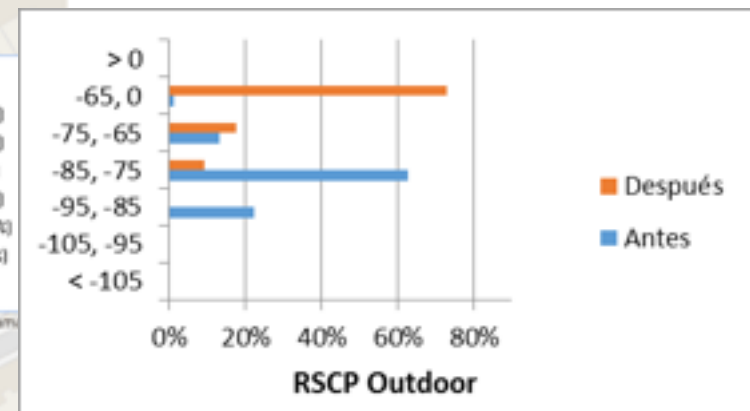


OUTDOOR DAS - POLYGON HIGH RISE BUILDINGS

WALKING TEST OUTDOOR WCDMA



	Antes	Después	Antes	Después
Menor que -105	0	0	0.00%	0.00%
-105, -95	0	0	0.00%	0.00%
-95, -85	270	2	22.37%	0.19%
-85, -75	759	97	62.88%	9.25%
-75, -65	161	185	13.34%	17.64%
-65, 0	17	765	1.41%	72.93%
Mayor que 0	0	0	0.00%	0.00%



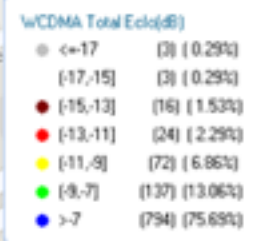
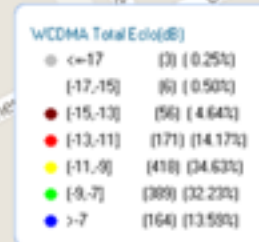
OUTDOOR DAS - POLYGON HIGH RISE BUILDINGS

WCDMA850

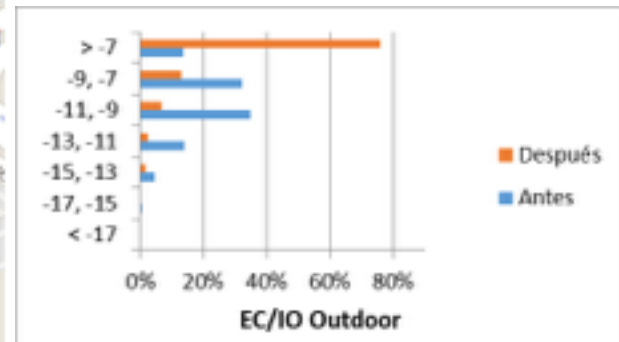
WALKING TEST OUTDOOR WCDMA

BEFORE

AFTER



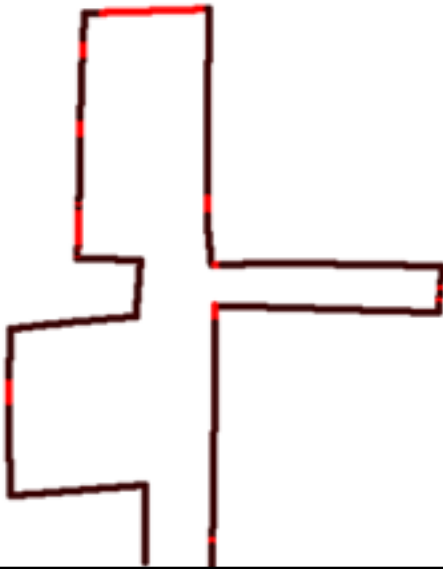
	Antes	Después	Antes	Después
Menor a -17	3	3	0.25%	0.29%
-17, -15	6	3	0.50%	0.29%
-15, -13	56	16	4.64%	1.53%
-13, -11	171	24	14.17%	2.29%
-11, -9	418	72	34.63%	6.86%
-9, -7	389	137	32.23%	13.06%
Mayor a -7	164	794	13.59%	75.69%



OUTDOOR DAS - POLYGON HIGH RISE BUILDINGS

WCDMA850

Before



WCDMA Total RSCP[dBm]

● ≤ -105	(336) (68.99%)
● (-105,-95]	(104) (21.36%)
● (-95,-85]	(47) (9.65%)
● (-85,-75]	(0) (0.00%)
● (-75,-65]	(0) (0.00%)
● (-65,0]	(0) (0.00%)
● > 0	(0) (0.00%)

WALKING TEST INDOOR WCDMA

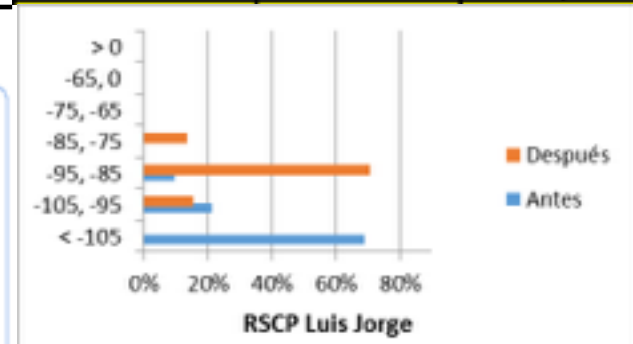
		Antes	Después	Antes	Después
RSCP	Menor que -105	336	0	68.99%	0.00%
	-105, -95	104	42	21.36%	15.33%
	-95, -85	47	194	9.65%	70.80%
	-85, -75	0	38	0.00%	13.87%
	-75, -65	0	0	0.00%	0.00%
	-65, 0	0	0	0.00%	0.00%
	Mayor que 0	0	0	0.00%	0.00%

After



WCDMA Total RSCP[dBm]

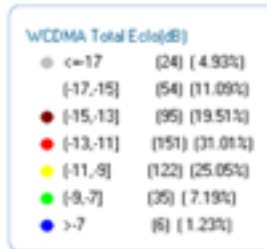
● ≤ -105	(0) (0.00%)
● (-105,-95]	(42) (15.33%)
● (-95,-85]	(194) (70.80%)
● (-85,-75]	(38) (13.87%)
● (-75,-65]	(0) (0.00%)
● (-65,0]	(0) (0.00%)
● > 0	(0) (0.00%)



OUTDOOR DAS - POLYGON HIGH RISE BUILDINGS

WCDMA850

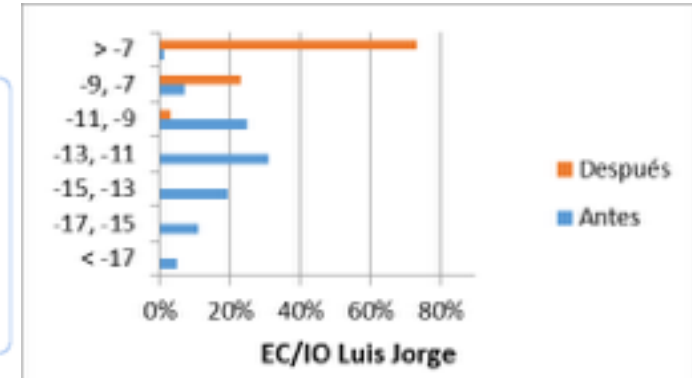
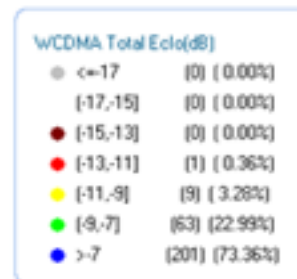
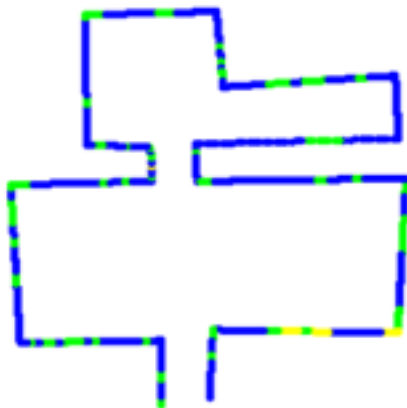
Before



WALKING TEST INDOOR WCDMA

		Antes Después		Antes Después	
EC/Io	Menor a -17	24	0	4.93%	0.00%
	-17, -15	54	0	11.09%	0.00%
	-15, -13	95	0	19.51%	0.00%
	-13, -11	151	1	31.01%	0.36%
	-11, -9	122	9	25.05%	3.28%
	-9, -7	35	63	7.19%	22.99%
	Mayor a -7	6	201	1.23%	73.36%

After





Contacting TeleNetworks

Providing Solutions to Your Requirements



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