

# Radio Planning Report

Project Name	Mono Consultant
Author	Andy Train
Last Modified	26/9/2011

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## GENERAL INFORMATION

### Description

26\_Sep\_2011

### Customer

Vigilant Tecnoligies

### Contact Information

Oliver Yee

### General Notes

RF path between BT Tower bath road and Telefonica bath road SL14DX appears from desktop to be breached by a glass building however Los picture Ref 1.2.1 is able to provide Los confirmation . However due to time restriction on the date of the initial survey full pre installation surveys were not able to be completed. A full pre installation visit will be required to look at accurate Plans from the BT tower to ensure the link path is not breached. RF path between Telefonica to Equinix-2 are o.k. . Please refer to the images provided in the report.

PROJECT SUMMARY

## Sites Summary

Site Name	Latitude	Longitude	AGL
Telefonica Bath Road SL1 4DX	51.518619	-0.628819	15
BT Tower	51.521478	-0.138694	120
Equinix - 2Buckingham Avenue Slough	51.523172	-0.634517	20





Possible breach from Bt tower toward s Telefonica building

mono<sup>#</sup>



Los shot from Telefonica to Bt tower Ref 1.2.1



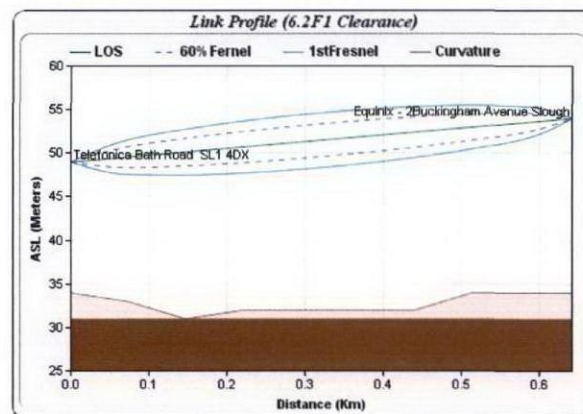


Los shot from Telefonica across to No2 Buckingham Avenue. Note Proposed dish location would need to be sited in the area indicated by the Blue arrow.



## Link: Telefonica Bath Road SL1 4DX\_Equinix - 2Buckingham Avenue Slough

Family	CBW	Distance	Polar.	Services	Rate	Availability	Frequency	RFP
RW2000	40Mhz	0.641Km	Dual	22.2 Mbps Ethernet	54Mbps	100%	4.9Ghz	B



### Properties

### Telefonica Bath Road SL1 4DX

### Equinix - 2Buckingham Avenue

Height above Sea	49m	54m
Antenna Height	15m	20m
Regulation	4.900-5.000 GHz Universal	4.900-5.000 GHz Universal
Product ID	RW-2250-0100	RW-2250-0100
Antenna	Integrated_5x_D	Integrated_5x_D
TX Power	25dBm	25dBm
EIRP	48.4dBm	48.4dBm
RSSI	-36.5dBm	-36.5dBm
Fade Margin	49.5dBm	49.5dBm
Azimuth	322.1°	142.1°
Elevation	1.3°	-1.3°
HSS	HSM	HSR

# Radio Planning Report

Project Name	Mono Consultant_10_Oct_BT to Arqiva 404 Basildon
Author	Andy Train_ Mono Consultants
Last Modified	10/10/2011

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## GENERAL INFORMATION

### Description

10\_Oct\_2011

### Customer

Vigillant Technologies

### Contact Information

Oliver Yee

PROJECT SUMMARY

## Sites Summary

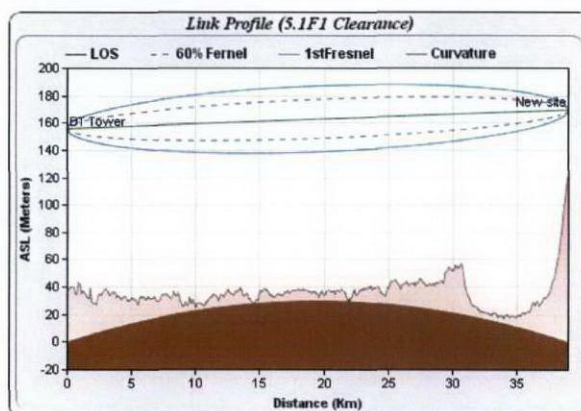
Site Name	Latitude	Longitude	AGL
BT Tower	51.5214	-0.138832	120
Arquiva 404 Basildon	51.553169	0.422844	50





LINKS**Link: BT Tower \_ Arqiva 404 Basildon**

Family	CBW	Distance	Polar.	Services	Rate	Availability	Frequency	RFP
RW2000	40Mhz	38.987Km	Dual	17.5 Mbps Ethernet	54Mbps	99.905%	5Ghz	B

**Properties****BT Tower****New site****Height above Sea**

156m

170m

<b>Antenna Height</b>	120m	50m
<b>Regulation</b>	4.900-5.000 GHz Universal	4.900-5.000 GHz Universal
<b>Product ID</b>	RW-2250-0100	RW-2250-0100
<b>Antenna</b>	Integrated_5x_D	Integrated_5x_D
<b>TX Power</b>	25dBm	25dBm
<b>EIRP</b>	50dBm	50dBm
<b>RSSI</b>	-69.3dBm	-69.3dBm
<b>Fade Margin</b>	16.7dBm	16.7dBm
<b>Azimuth</b>	84.6°	264.6°
<b>Elevation</b>	0.1°	-0.1°
<b>HSS</b>	INDEPENDENT	INDEPENDENT

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