

Exhibit 12: Operational Description**§ 15.203 Antenna Requirements**

The IBS / 4070 IO-3AC36116 uses two Dipole antennas that connect to the main board via SMA connectors. These connectors are housed inside of the plastic enclosure and not accessible to the user. The same type as specified by the manufacturer can only replace these antennas; therefore, it meets the requirements of this section.

The IBS / 4070 IO-3AC36116 contains two antennas for diversity purposes, only one antenna transmits during normal operation.

The IBS / 4070 IO-3AC36116 uses three different types of antennas as listed below; the maximum directional antenna gain for all three antennas is 3.0 dBi.

<u>Antenna Type</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Gain</u>
Dipole	Calearo	7570015	2.0 dBi Typical 3.0 dBi Max
Dipole	Wiltron	R380.400.110	2.5 dBi
Dipole	MAT Equipment	MA300x06	2.0 dBi

§ 15.307 Coordination with fixed microwave service

Enclosed on the following page is the UTAM affidavit stating compliance to this section.

UTAM Affidavit



Communication Certification Laboratory

April 18, 2000

ALCATEL
Mr. Jose Paulet
7 Stiles Road
Salem, New Hampshire 03079

Dear Mr. Paulet:

On behalf of UTAM, Inc., Communication Certification Laboratory, has certified that the equipment identified below, meets the disablement and location verification process (LVP) requirements of FCC Rule 15.307, and qualifies as a UTAM approved coordinatable device.

Applicant: Alcatel
UTAM Member Number: ALCATEL1
UTAM Certification ID: OYOCLUM00034

FCC ID Number(s):
Fixed: OYOPWTB
Mobile: OYOPWTH

Model number(s):
System: Omnipcx 4400
Fixed: IBS / 4070 IO - 3AC36116
Mobile: 4073 GS - 3BN 67108

Any changes to the (LVP) or disablement mechanism and procedure or any changes to the FCC Certification may require recertification by UTAM, Inc. Please document and forward the details of any changes to Communication Certification Laboratory. Communication Certification Laboratory will continue to maintain strict confidentiality regarding the engineering and functionality of your product, including the disablement and location verification mechanism.

A copy of this affidavit shall be included with your application for certification by the FCC, in accordance with FCC Part 15, Subpart D.

Sincerely yours,



Richard D. Foster
Certifying Engineer
UTAM Certification Laboratory

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