

QUALIFICATIONS AND CERTIFICATIONS
SECTION 2.911(d)

June 1, 2010

SECTION 2.911(d) QUALIFICATION OF ENGINEER (who performed or supervised the Tests).

Dheena D. Moongilan is a Distinguished Member of Technical Staff, Alcatel-Lucent. He received his BSEE, and MSEE from Madras University, India and another MSEE from Illinois Institute of Technology, Chicago, Illinois. He was trained in FCC testing procedures by his former Supervisor, Donald N. Heirman. He has 28 years of EMC testing experience. He is a NARTE certified EMC Engineer, certificate #EMC-00/1022-NE.

SECTION 2.911(d) CERTIFICATION OF TECHNICAL TEST DATA

I hereby certify that the technical test data are the results of tests performed or supervised by me.

Dheena Moongilan
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MANUFACTURERS – IDENTIFIER
SECTION 2.1033 (c) 1 and 2

MANUFACTURERS IDENTIFIER

SECTION 2.1033(c) 1

The full name and mailing address of the manufacturer of the device and the applicant for certification:

RESPONSE:

**APPLICATION: Alcatel-Lucent
600-700 Mountain Avenue
Murray Hill, NJ 07974
Attention: Rudolf J Pillmeier**

SECTION 2.1033(c) 2

FCC Identifier:

RESPONSE: "LIGHT RADIO 9768 METRO RADIO OUTDOOR" to be operated under Part 27 of the FCC Rules.

**FCC Identifier: AS5
FCC ID: AS5BBTRX-07**

**EMISSIONS, FREQUENCY RANGE,
POWER LEVEL**

SECTION 2.1033 (c) (4), (5), (6) and (7)

EMISSIONS, FREQUENCY RANGE, POWER LEVEL

SECTION 2.1033(c) (4)

Type or types of emission:

RESPONSE:

The “Light Radio 9768 Metro Radio Outdoor” capable of amplifying transmission involving the following types of emissions:

Measured Emission type:

9M40F9W for 10 MHz Bands

4M73F9W for 5 MHz Bands

SECTION 2.1033(c) (5)

Frequency Range

RESPONSE:

FCC 27.5 c (1)

Block	Transmit Frequency Range FCC 27.5(c) (1) MHz	Actual Center Frequency Used in Tests MHz	Bandwidth MHz
C (Lower)	746 - 751	748.5	5
C (Upper)	751 - 756	753.5	5
C	746 – 756	751	10

SECTION 2.1033(c) (6)

Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power.

RESPONSE:

The “Light Radio 9768 Metro Radio Outdoor” is capable of operating from 0.001 to 1 watt. The output power is measured at the External Antenna Connectors of the “Light Radio 9768 Metro Radio Outdoor” cabinet. The power is under continuous software control. The accuracy of the output power control is +/- 1dB over the operating temperature range and input voltage.

SECTION 2.1033(c) (7)

Maximum power rating as defined in the applicable part(s) of the rules.

RESPONSE:

The maximum average power output of the “**Light Radio 9768 Metro Radio Outdoor**” cabinet EAC port is 2x1 watts (MIMO). The radio transmitter is operated under 47 CFR 27. There were 2 antenna connectors integrated into the filter and the ports were randomly selected for all antenna port conducted tests.