

Subject: My response for E-mail Frank Coperich, FCC Application Processing
Branch (enclosed herewith).

To: FCC

From: Shlomo Cohen,
FOXCOM WIRELESS Ltd, Quality Assurance Manager.

E-mail: shlomoc@foxcomwireless.com

Re: FCC ID OJFLITENNA0009110

Applicant: Foxcom Wireless Ltd.

Correspondence Reference Number: 8698

731 Confirmation Number: EA94021

Date: 07/15/1999

1. The equipment is being tested for $\pi/4$ DQPSK MODULATION (NADC Standard) and not the QAM signal, the information for the test is in file EXHIBIT 7, page 10,11(attached).
2. I request that the internal equipment photographs be maintained in confidentiality. The sales contract requires a non-disclosure agreement confirmation on the part of the customer.

Subject:

To: Pinchas Rosenfeld, FOXCOM WIRELESS Ltd.

From: Frank Coperich

fcoperic@fcc.gov

FCC Application Processing Branch

Re: FCC ID OJFLITENNA0009110

Applicant: Foxcom Wireless Ltd.

Correspondence Reference Number: 8698

731 Confirmation Number: EA94021

Date of Original E-Mail: 07/12/1999

1.) The Grants that we issue for amplifying devices are listed to cover specific emissions shown in the test report. Your tests appear to have been made with only a QAM signal. If additional modes are desired then you should supplement your report with appropriate bandwidth and intermodulation tests results.

2.) We do not normally issue Confidentiality status for internal photographs because the equipment can be viewed by the purchaser / user after sale. The exception to this policy is when a non-disclosure agreement is required between the manufacturer and purchaser of the unit. Please indicate your position in this matter.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal pursuant to Section 2.917 © and forfeiture of the filing fee pursuant to section 1.1108.

DO NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

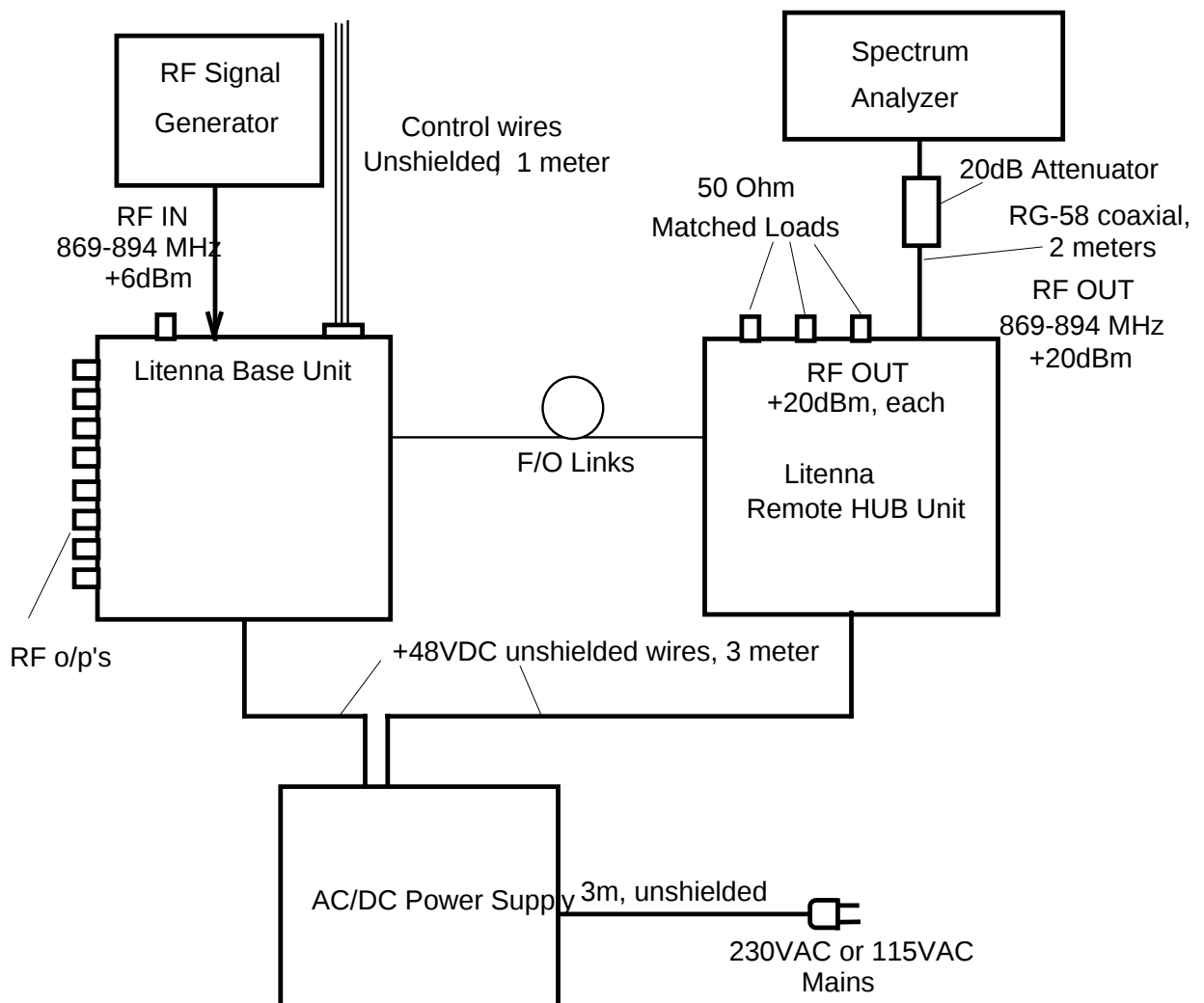
Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

4. Test Setups and Test Procedures.

4.1 Occupied Bandwidth Measurements.

Procedure specified in ANSI C63.4:1992 Para.13.1.7 was used during the tests. The bandwidth was measured relative to the reference level, which is equal to power (P) of unmodulated carrier.

The test setup is shown in the following figure:



The tested equipment was conditioned with typical modulating signals to produce the worst case (i.e. the widest) bandwidth. In the case of Litenna™ Model 9110 the following setup of the input RF HP Model E4432B ESG-D Series signal generator was used:

a)	MODULATION:	$\pi/4$ DQPSK
b)	NADC:	Standard
c)	BITS/SYMBOL:	2
d)	SYMBOL RATE:	24.3ksps
e)	FILTER:	RNYQ ($\alpha=0.350 \bullet E(-3)$)EVM
f)	I/Q SCALING	100%
g)	DATA:	PN23
h)	REPEAT:	Cont.
i)	ϕ POL:	Normal

The tests were performed at the maximum level of output radiated power (P): 100mWatt (+20dBm).

The spectrum analyzer was set for:

Reference Level = Maximum Output Radiated Power (P)

Horizontal: 9kHz/div

Vertical: 10dB/div.

Two traces were plotted on the screen of the spectrum analyzer:

- trace 1 (reference level), measured with resolution bandwidth of 30kHz, and
- trace 2 (transmitter performance), measured with resolution bandwidth of 300Hz.

The tested Litenna™ Model 9110 was configured, installed and operated in a manner typical for its application. The Litenna™ Model 9110 was tested in the Down-Link operational mode. In this case the input signal was at level +6dBm resulting in maximum output power of +20dBm. The output port was loaded with 50Ohm matched load.

The Litenna™ Model 9110 was placed on a non-conducting table, the top of which is 80cm above the ground plane.

The Litenna™ Model 9110 was supplied with +48VDC nominal voltage from Nemic-Lambda AC/DC Power Supply, Model YM-98-159A..

Step 1. The Litenna™ Model 9110 was turned-on, and the unmodulated signal was applied to the Base Unit input power port at the lowest Down-Link 869MHz test frequency at +6dBm level to produce +20dBm output power at the RHU output port. Trace #1 was recorded by the spectrum analyzer using 30kHz resolution bandwidth.

Step 2. The signal generator was set to generate modulated signal, without changing setting of frequency and output power. Trace #2 was recorded by the spectrum analyzer using 300Hz resolution bandwidth.

Step 3. Steps 1 and 2 were repeated for 881.5MHz and 894MHz Down-Link test frequencies at 100mWatts level of the output power.