



May 22, 2001

Joe Dichoso  
Federal Communications Commission  
Equipment Authorization Division,  
Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

RE: EA95137 - FCC ID: IMKAP2-1121

Dear Joe:

This letter is submitted to address issues raised by you in your email to me date 10/15/99, correspondence number 10207. I address your concerns in detail below and with a support document that was uploaded at the same time as this letter.

ISSUE 1

I confirm that these antennas will only be professionally installed. Support material and justification was sent with the application. This material is the same material sent with all applications where we wish to approve antennas with standard connectors.

ISSUES 2&3

After looking over the report, I have discovered, as you did, that I made an error in my MPE calculations. I based the given figures on the 100mW version(Proxim 7510/20) of the same device instead of the 500mW version(Proxim Model 7521)

**Joe Dichoso(cont.)**



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The table below identifies the antennas, their gain, resulting EIRP of the system and corrected MPE calculations.

Proxim Access Point Model 7521 - 500mW					
Manufacturer	Model	LXE Part Number	Gain (dBi)	System EIRP (dB)	MPE Distance (cm)
Cushcraft	S2400*	153179-0001	0	26.8	6.17
		153325-0001	0	26.8	6.17
Cushcraft	S2403*	153599-0001	3	29.8	8.72
		153600-0001	3	29.8	8.72
LXE	Spire	155846-0001	3	29.8	8.72
LXE	Spire	155845-0001	6	32.8	12.31

\*Several LXE part numbers exist for variations of this antenna. Variations include cable lengths, connector types etc. Differences do not affect performance of the antenna.

For your reference I have also uploaded a company document I authored that will be included in the Bills of Materials of all LXE 2.4GHz radio devices. The document is not yet released as we are awaiting the approval of the antennas under consideration with this application. This document is a reference drawing that identifies to the company which antennas have been authorized for the respective radios included therein. In addition, the installation requirements relative to RF Safety are also given. I created this document so that all of this information may be included in one place. When we add new antennas, this document will be amended via an Engineering Change Notice to reflect the new antennas. Also, to make the RF Safety issue much simpler for us to deal with, we have made it policy that all antennas will be installed at a distance that is safe for the highest gain antenna. You will see in the document that for the 500mW AP for which this application is for, the highest gain antenna approved is 9 dBi. The MPE distance for this antenna is 18.0cm. All approved antennas will be installed to maintain the 18.0cm distance regardless of the actual MPE distance.

Sincerely,

R. Sam Wismer  
RF Approvals Engineer  
LXE, Inc.

enc(s).