

Exhibit

NECESSARY BANDWIDTH DESCRIPTION

TO:	Federal Communication Commission (FCC) Office of Engineering and Technology (OET)
FROM:	Radiance Technologies Inc. 4 CR 2050 Oxford, MS 38655
DATE:	August 15, 2008
SUBJECT:	Experimental License Application Supporting Documents – Necessary Bandwidth Description
REFERENCE:	File Number: 0357-EX-PL-2008 FCC Registration Number (FRN): 0017805599

To Whom It May Concern:

Based on the class of emission, L1N, the following method for determining the necessary bandwidth was used:

$$B_n = 2RK/\log_2 S$$

Digital modulation used to send 50 megabits per second by use of amplitude modulation of the main carrier with 2 signaling states.

$R = 50 \times 10^6$ bits per second; $K = 1$; $S = 2$

Therefore, the necessary bandwidth required for this class of emission is:

$$B_n = 2RK/\log_2 S = [2 * (50 \times 10^6) * 1] / [\log_2(2)]$$

$$B_n = 50 \text{ MHz}$$

Very Respectfully,

Hank S. Rinehart
Senior Engineer
Radiance Technologies Inc.
hank.rinehart@radiancetech.com
662.238.2565 x1028
662.871.3962