

From: "Timothy Lewis" <Lewis.Timothy@Orbital.COM>
To: <chuie@fcc.gov>
Date: 3/21/02 10:37AM
Subject: Orbital STA 0084-EX-ST-2002

Carl,

Thank you very much for your assistance. Here are my estimates for the effective building shielding.

Based on the structure of the Orbital test facility, I estimate the effective building shielding to be > 20 dB at all frequencies listed in the STA application letter.

The building is steel frame with steel siding. Through individual panels, the shielding should be greater than 100 dB but allowing for seams, doors and other slot apertures the effective shielding is down to 20 dB or better. There are no direct apertures in the building. All doors lead to additional rooms or highbay areas which then have doors (again, no windows) to the outside.

Thanks,

Tim

CC: "Steve Thibault" <Thibault.Steve@orbital.com>

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From: "Timothy Lewis" <Lewis.Timothy@Orbital.COM>
To: <chuie@fcc.gov>
Date: 3/25/02 2:53PM
Subject: STA frequencies

Carl,

Thank you for your help.

The frequencies that need to be included in our STA are 4.198 - 4.199875 GHz,

and

6.4245 to 6.425 GHz.

Sorry for any confusion.

Tim