

From: "Gjertson, William G" <William.Gjertson@PSS.Boeing.com>
To: <chuie@fcc.gov>
Date: 8/29/00 3:20PM
Subject: XM Radio - STA

Carl Huie,

REFERENCE OUR 29 August 2000 telecon::

1. With reference to Sea Launch STA application, FCC File# 0403-EX-ST-2000, item 10. The ERP is:

1. ERP for PPF --4 watts = 6 dBw + 8 dB antenna gain = 14 dBw *25w*
at 2339.136-2339.264MHz (telemetry)
and 2339.636-2339.764MHz (telemetry)

ERP for PPF - 150mw = 22 dBm + 5 dB antenna gain = 27dBm
at 7048.685-7049.315MHz (command)
and 7073.685-7074.315MHz (command) *On 500w (1/2 w)*

2. The attenuation of the building was measured and at
2339.136-2339.264MHz
and 2339.636-2339.764MHz
was > 25 dB
The attenuation of the building at
7048.685-7049.315MHz
and 7073.685-7074.315MHz
was > 30 dB

3. These numbers also apply to XM-2 testing inside the PPF

For the other 2 STA's for outside at the pier radiation

the ERP is 29 dBm at *0.8 w*
> 2339.136-2339.264MHz (telemetry)
and 2339.636-2339.764MHz (telemetry)
the ERP is 17 dBm at *50mw*
> 7048.685-7049.315MHz (command)
and 7073.685-7074.315MHz (command)

/s/Bill Gjertson