

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">  
<HTML><HEAD><TITLE>AT&T Corp. Transportable- Earth Station</TITLE>  
<META http-equiv=Content-Type content="text/html; charset=iso-8859-1">  
<META content="MSHTML 5.50.4930.1700" name=GENERATOR></HEAD>  
<BODY><B>From:</B> Cheeks, Pamela D (Pam), NEO [pcheeks@att.com]<BR><B>Sent:</B>  
Friday, September 12, 2003 3:05 PM<BR><B>To:</B> Sophie  
Arrington<BR><B>Subject:</B> RE: AT&T Corp. Transportable- Earth Station<BR>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff size=2>Ms.  
Arrington,</FONT></SPAN></DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff  
size=2></FONT></SPAN>&nbsp;</DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff  
size=2>Following is the response I received.&nbsp;<B> Not sure which unit you need  
for processing, so I forwarded everything.&nbsp;<B> If you need anything further,  
please let me know.</FONT></SPAN></DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff  
size=2></FONT></SPAN>&nbsp;</DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff size=2>Thank  
you and have a great weekend!</FONT></SPAN></DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff  
size=2></FONT></SPAN>&nbsp;</DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff size=2>Pam  
Cheeks</FONT></SPAN></DIV>  
<DIV><SPAN class=620410319-12092003><FONT face=Arial color=#0000ff  
size=2></FONT></SPAN>&nbsp;</DIV>  
<DIV><SPAN class=620410319-12092003><FONT size=2>  
<P>The Max EIRP density per Carrier is the Earth Station EIRP (from the  
calculations of the Uplink Earth Station Specifications) minus 10log(Symbol  
Rate) or, in this case:</P>  
<P>55.6 dBW - 10log(1.1MSps)</P>  
<P>The answer may take one of three forms, depending on if the applications form  
wants it "per Hz" or "per 4kHz" or "per MHz", i.e.:</P>  
<P>-34.81 dBW/Hz or</P>  
<P>1.19 dBW/4kHz or</P>  
<P>25.19 dBW/MHz</P>  
<P>The best answer is 1.19 dBW/4kHz.</P>  
<P>&nbsp;</P>  
<P><FONT face=Arial color=#0000ff></FONT>&nbsp;</P></FONT></SPAN></DIV>  
<BLOCKQUOTE dir=ltr style="MARGIN-RIGHT: 0px">  
<DIV class=OutlookMessageHeader dir=ltr align=left><FONT face=Tahoma  
size=2>-----Original Message-----<BR><B>From:</B> Sophie Arrington  
[mailto: Sophie.Arrington@fcc.gov]<BR><B>Sent:</B> Thursday, September 04, 2003  
3:19 PM<BR><B>To:</B> Cheeks, Pamela D (Pam), NEO<BR><B>Subject:</B> AT&T  
Corp. Transportable- Earth Station<BR><BR></FONT></DIV><!-- Converted from  
text/rtf format -->  
<P><FONT face=Arial size=2>Ms. Cheeks,</FONT> </P>  
<P><FONT face=Arial size=2>The electronically filed transportable earth  
station application for AT&T CORP. did not include the Maximum EIRP<B>  
Density</B> per Carrier (dBW) item E49 on Form 312 Frequency page for<B>  
Transmit.&nbsp;</B> This information is needed to process the  
application.&nbsp;<B> If you would e-mail me this information, I can continue to  
process the application.</FONT></P>  
<P><FONT face=Arial size=2>Thank you,</FONT> </P>  
<P><FONT face=Arial size=2>Sophie Arrington</FONT> <BR><FONT face=Arial  
size=2>Telecommunications Specialist</FONT> <BR><FONT face=Arial  
size=2>sophie.arrington@fcc.gov</FONT> <BR><FONT face=Arial  
size=2>202-418-1678</FONT> </P></BLOCKQUOTE></BODY></HTML>