

Re: How many satellites are in geosynchronous orbit by now?

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Source: <http://sci.tech-archive.net/Archive/sci.space.history/2005-12/msg00265.html>

- *From:* Jim Davis <jimdavis2@xxxxxxxxxxxxxx>
 - *Date:* 7 Dec 2005 06:14:26 +0100
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Stuf4 wrote:

>> Radar is not very useful up there --- the strength of a radar
>> echo drops as the distance to the fourth power, barring some
>> special cases.
>
> Actually, the strength of a radar echo drops as the inverse of
> distance **squared**...
>
> But everyone probably knows what was meant!

No, Henry is correct. Power received / power transmitted is
proportional to $1 / (\text{range}^4)$.

Jim Davis
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- *Follow-Ups:*
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Stuf4
- *References:*
 - ◆ ***How many satellites are in geosynchronous orbit by now?***
◇ *From:* Soren Kuula
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Ed Kyle
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Ed Kyle
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Soren Kuula
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Henry Spencer
 - ◆ ***Re: How many satellites are in geosynchronous orbit by now?***
◇ *From:* Stuf4

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