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WEEK17

Part 3 Wireless communications

Online activities for Week 17

iCMA 43

Block 3: Connecting people, places and things

This item is also available in [Week 15](#).

Questions

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Finish attempt ...

Question 11 Tries remaining: 3

Marked out of 1.00 | [Flag question](#)

A cable used to send data has an attenuation where power drops by a factor of 10 every 10 km. If the input power is 10 W, and the receiver can detect signals with a power of 10⁻⁴ W or more, what is the longest cable that can be used without a regenerator?

- ☐ 60 km
- ☐ 100 000 km
- ☐ 20 km
- ☐ 50 km

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