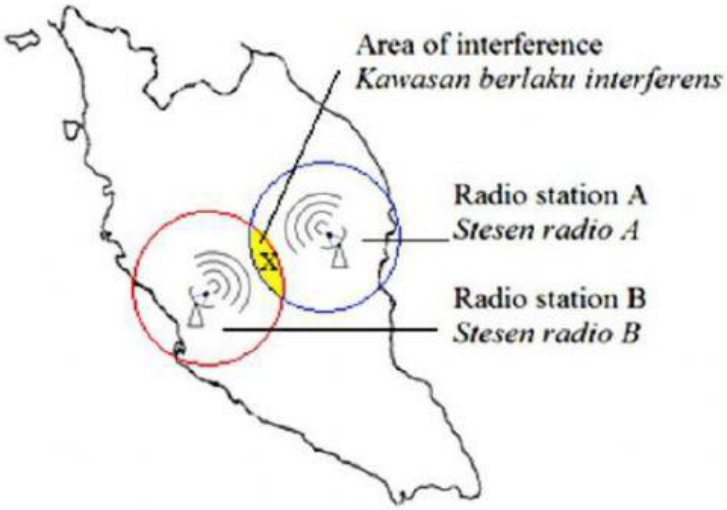
BAB 6 : WAVE.
GELOMBANG

Diagram shows the effect of interference encountered by a radio receiver at X. X is the radio broadcasting duplication area emitted by two radio stations, Radio Station A and Radio Station B in Peninsula Malaysia. The duplication causes signal disturbance at X.

Rajah menunjukkan kesan interferens dihadapi oleh penerima siaran radio di X. X berada di kawasan pertindihan siaran radio yang dipancarkan oleh dua stesen radio, Radio Stesen A dan Radio Stesen B di Semenanjung Malaysia. Kesan pertindihan ini menyebabkan gangguan siaran di X.



You are required to give some suggestions to design a radio broadcasting system which can improve the quality of radio broadcasting at X.

Using the knowledge on waves, explain your suggestions based on the following aspects:

Anda dikehendaki memberi beberapa cadangan untuk merekabentuk satu system penyiaran radio yang dapat menambahbaik kualiti siaran radio di X.

Nyata dan terangkan pengubahsuaian berdasarkan aspek-aspek berikut:

(i) The type of the wave transmitter
Jenis gelombang yang dipancar.
(ii) The height of the transmitter from the ground
Ketinggian pemancar dari tanah.
(iii) Method to receive the signal clearly
Kaedah untuk menerima isyarat dengan jelas
(iv) Method than can reduce the interference effect
Kaedah yang boleh mengurangkan kesan interferens
(v) Method that enable the wave propagated in a longer distance
Kaedah yang membolehkan gelombang itu merambat dalam jarak yang lebih jauh

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LIVEWORKSHEETS

Characteristics *Ciri-ciri*	Explanation *Keterangan*

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LIVEWORKSHEETS