

Infocomm Development Authority of Singapore

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Subject: Consultation on Proposed Regulatory
Framework for 60 GHz Frequency Band

Date: 2010-03-31

Dear Mr Haire,

Philips is delighted to give her response to your consultation to open the 60 GHz band for new mobile and wireless applications. Philips supports the opening of the 57 GHz – 66 GHz band for license exempt usage for low power equipment for new mobile and wireless applications.

Question 1: IDA invites views and comments on the compatibility report for ITS and Fixed Services to operate in the same frequency band, 63-64 GHz.

No comment.

Question 2: IDA invites views and comments on whether 63-66 GHz frequency band should be opened up for high power fixed wireless services.

No comment.

Question 3: IDA invites views and comments on IDA's proposed frequency bands to be allocated for operations of both low radiation and high radiation equipment. IDA also invites views and comments on a 100 MHz guard band at each end of the band to safeguard operations of other services in the adjacent channels.

Philips fully supports the proposed allocation of the 57 GHz – 66 GHz band for low radiation (≤ 40 dBm eirp) equipment.

Question 4: IDA invites views and comments on the above two options for IDA to adopt for the channel plan.

No comment.

Question 5: IDA invites views and comments on IDA's preferred channel plan (Option 1).

No comment.

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Question 6: IDA invites views and comments on IDA's proposed technical framework on RF output power and key requirements for the deployment of multi-gigabit wireless technology in the 60 GHz band.

An internationally harmonized 60 GHz band for wireless applications is desirable to avoid unnecessary product design diversification and resulting increase of consumer prices. We therefore support IDA's proposed frequency allocation and regulatory framework in Table 1 of your consultation.

Question 7: IDA invites views and comments on whether there should be a limit cap on the RF output power for high radiated power Fixed Services and whether there are potential health concerns for high radiation equipment.

No comment.

Question 8: IDA invites views and comments on IDA's proposal to exempt low-radiated power devices (≤ 40 dBm EIRP) from licensing.

Philips supports license exemption of low radiated power devices (≤ 40 dBm EIRP).

Question 9: IDA invites views and comments on IDA's preference for a full licensing approach for high radiation equipment (> 40 dBm EIRP) operating in this band.

No comment.

Question 10: IDA invites views and comments on the safety aspects of operation of 60 GHz wireless systems and what guidelines must be established to protect individual users.

No comment.

Yours sincerely,

Eric van Nijhuis