

ULTRA-WIDEBAND (UWB) TECHNOLOGY TRIALS IN SINGAPORE

IDA has established a trial framework that aims to facilitate the investigation and testing of telecommunication technologies. The general terms and conditions for telecommunication trials can be found in Attachment 1.

To facilitate the investigation and testing of UWB devices and systems in Singapore, IDA has developed the following terms and conditions for UWB trials and the application procedures:

1 Emission Mask

The UWB devices used for the trials must operate in the frequency band from 960MHz to 10.6GHz. The emissions must comply with the average effective isotropic radiated power (EIRP) spectral density levels shown in the emission mask below (Figure 1):

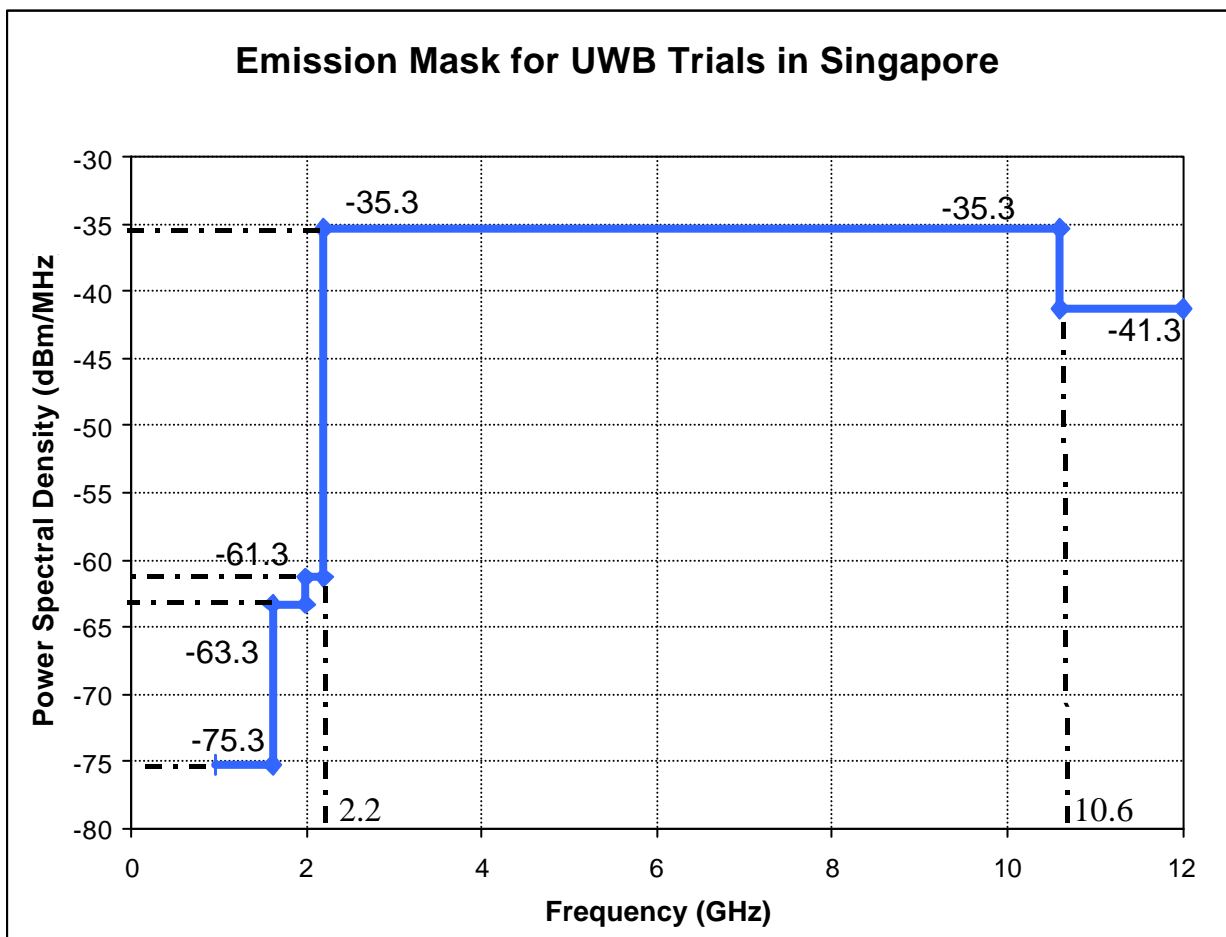


Figure 1

Companies conducting UWB technology trials must declare their compliance and are responsible for on-going compliance with the above emission mask according to the

measurement procedures for average EIRP given in Appendix F of the FCC's First Report and Order adopted on 14 February 2002.

2 Location of Trials

All UWB technology trials are to be conducted strictly within the premises of the UWB Friendly Zone which is given in Figure 2. This is to ensure that the trials are conducted in a controlled environment for monitoring the effect of interference.

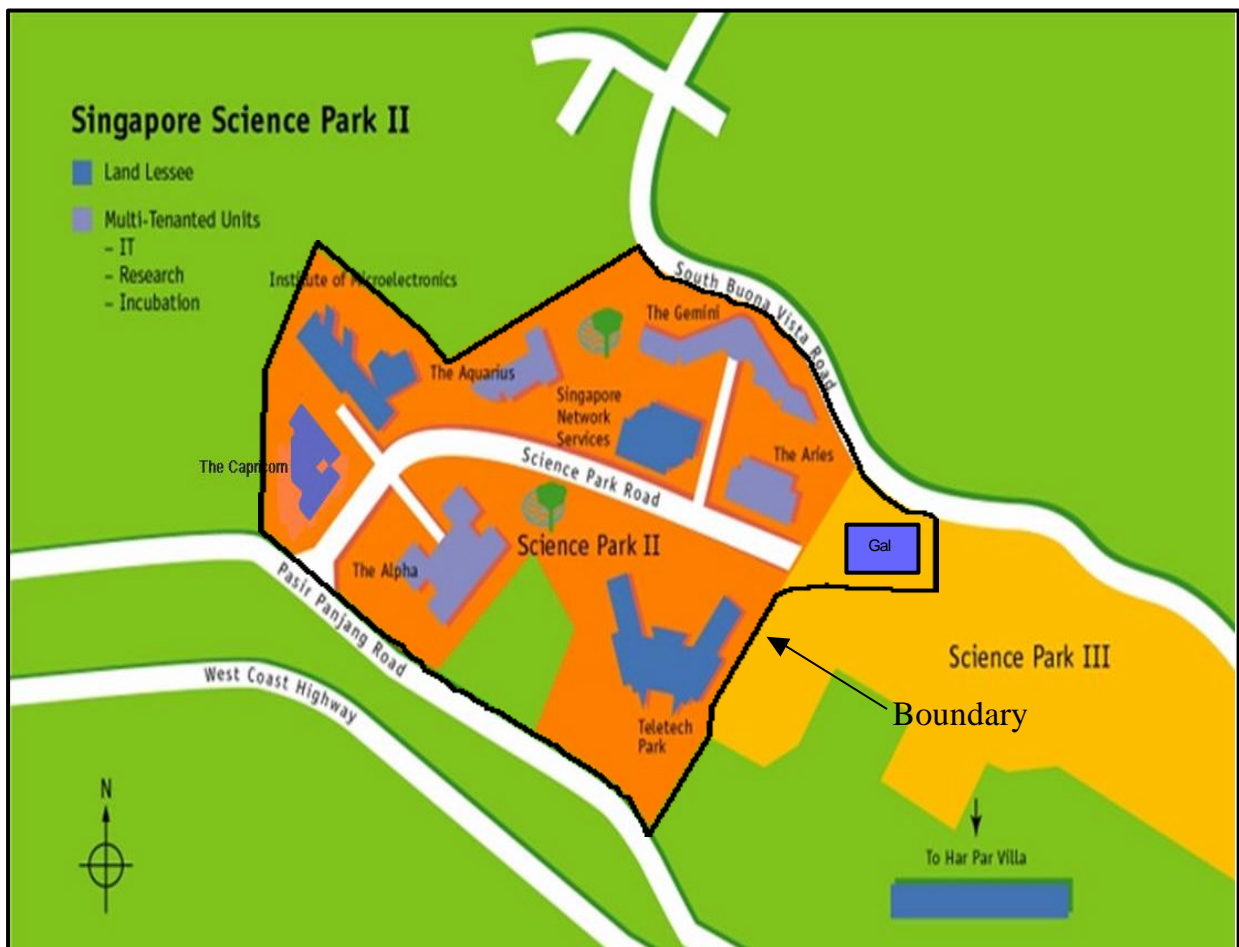


Figure 2

3 Frequency Fee

The frequency fee for conducting a UWB technology trial for a period of up to 90 days is S\$2,800 (See Annex 1 of Attachment 1). To renew the UWB technology trials, applicants should notify IDA in writing 14 days before the expiry of the approval. Applicants need not submit another application form if there are no changes to the UWB systems being used.

4 Equipment Approval

No type approval of equipment is required for the purpose of conducting the trials. However, the approval for trial must not be taken to pre-empt any approval from IDA for the use and sale of UWB devices in the future.

5 Application Procedure

Interested parties who wish to conduct trials should submit their applications forms (see Attachment 2) to:

Mr Andrew Haire
Assistant Director-General (Telecoms)
Infocomm Development Authority of Singapore (IDA)
8 Temasek Boulevard
#14-00 Suntec Tower Three
Singapore 038988

The application forms should be submitted at least two weeks before the intended date of the commencement of the trial.

6 Enquiry

Please contact Mr Jason Teo (Spectrum & Number Management) if you need any further clarification at DID: (65) 6211 1949 or email: jason_teo@ida.gov.sg.