

Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)**Submission Title:** Status Report of HBC**Date Submitted:** May 2010**Source:** Jahng Sun Park, Eun Tae Won – Samsung Electronics

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Re:**Abstract:** This document provides status report for HBC.**Purpose:** To present status report of HBC.**Notice:** This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.**Release:** The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.

Status Report of HBC

May 19, 2010

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Supplemental Information for HBC

- Doc # 15-10-0318-00-0006
- Radio Spectrum Regulatory Summary
 - US, Japan, Korea, EU, UK, Australia
- Additional Explanations on HBC TX Power
 - HBC TX Radiation Power Level
 - TX Power Spectrum w/ and w/o TX filters
 - EMI measurement result (w/o TX filter)

Radio Spectrum Regulatory Summary

- US: Low-Power, Non-Licensed Transmitters
 - Section 15.209 and Section 15.205
- Japan: Extremely Low Power Radio Station (non-licensed)
 - Radio Law Article 4, Section 1 and Radio Operation Regulation Article 6, Section 1
- Korea: Extremely Low Power Radio Station (non-licensed)
 - Radio Station Law Article 97
- EU: Short Range Devices (licenses normally not required)
 - ETSI EN 300 330
- UK: Licence Exempt Short Range Devices
 - UK Interface Requirement 2030
- Australia: Short Range Devices
 - Radiocommunications (Low Interference Potential Devices) Class Licence 2000
- In process of preparing materials to update “Regulation Subcommittee Report”
 - Doc # 15-08-0034

Status of Normative Text Draft

- The following changes and additions made to HBC draft
 - Doc # 15-10-0201-02-0006
- Payload Length Field (PHY Header)
 - MAC Payload: 0 ~ 255 bytes
- Code sets used for preamble and SFD
- Performance figure of proposed preamble
- Transmitter Specifications
 - Transmit mask
 - Transmit power spec
 - Clock frequency tolerance
 - Transmit timing requirements
- Receiver Specifications: Receiver Sensitivity