

**RADIO SPECTRUM AND TECHNICAL STANDARDS
ADVISORY COMMITTEE**

**Proposed Revocation of HKCA 1063
Performance Specification for Digital Fixed Link Equipment
Operating in the 26 GHz Frequency Band**

Purpose

This paper proposes the revocation of HKCA 1063 specification, entitled “Performance Specification for Digital Fixed Link Equipment Operating in the 26 GHz Frequency Band”, issued in 2013.

Background

2. In March 2017, the Communications Authority (“CA”) announced its plan¹ to make available spectrum in the 26 GHz and 28 GHz bands (24.25 – 28.35 GHz) with a contiguous bandwidth of 4.1 Gigahertz altogether, as the first batch of spectrum for the provision of 5G services in Hong Kong.

3. In Hong Kong, certain parts of the 26 GHz band were assigned to various parties for operating point-to-point fixed link systems. With a view to vacating the 26 GHz band, the CA notified the spectrum assignees concerned in April 2017 that their relevant spectrum assignments would be withdrawn on 1 April 2019. During the past two years, the Office of the Communications Authority coordinated with the affected assignees to relocate their fixed link systems to operate in other frequency bands, covering the 23 GHz band (21.2 – 23.6 GHz) and 38 GHz band (37 – 39.5 GHz).

¹ The Communications Authority’s Work Plan for Making Available Additional Radio Spectrum to Meet the Demand of Public Mobile Services Towards 2020 and Beyond, published at:
https://www.coms-auth.hk/en/media_focus/press_releases/index_id_1423.html

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4. HKCA 1063 specification sets out the performance requirements for terrestrial digital fixed link equipment operating in the 24.5 – 26.5 GHz frequency range that adopts the channeling arrangement of ITU-R Recommendation F.748-4 “F.748 : Radio-frequency arrangements for systems of the fixed service operating in the 25, 26 and 28 GHz bands”. The said channeling plan based on frequency division duplex mode of operation will not be applicable for the future 5G services operating in the 26 GHz and 28 GHz bands². Meanwhile all legacy fixed link systems that operate within the 26 GHz band have already been decommissioned and the associated spectrum assignments were cancelled accordingly. HKCA 1063 is no longer required nor applicable thereafter and shall be revoked accordingly. A copy of the current HKCA 1063 specification (HKCA 1063 Issue 1) is attached at Annex.

Recommendation

5. It is recommended that the proposal for revocation of HKCA 1063 specification in Annex be submitted to the CA for consideration.

Advice Sought

6. Members are invited to give their comments on the recommendation above.

Office of the Communications Authority
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² In March 2019, upon their applications, the CA has assigned the 26.55 - 27.75 GHz band to the eligible mobile network operators, each with 400 MHz contiguous block of spectrum for provision of 5G services.