

## EXHIBIT 11: DETAILED DESCRIPTION OF THE MODULATION SYSTEM

### Section 2.1033 (c)(13) DESCRIPTION OF THE DIGITAL MODULATION SYSTEM

For equipment employing digital modulation techniques, a detailed description of the modulation system to be used, including the response characteristics (frequency, phase and amplitude) of any filters provided, and a description of the modulating wave train, shall be submitted for the maximum rated conditions under which the equipment will be operated.

#### Response

The subject of this application supports LTE radio access technology and an instantaneous bandwidth up to 60 MHz in the frequency band of 2496-2690MHz for AAHF and 2630-2690 MHz for AAHJ, Band 41.

The baseband signals are generated in BBU and provided to the radio through CPRI link. The digital modulation of the subject of this application was developed in accordance to the latest guidelines of the following standards:

**3GPP TS 36.211:** 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical Channels and Modulation.

**3GPP TS 36.141** 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing

**3GPP TS 36 104:** E-UTRA Base Station (BS) radio transmission and reception. These Standards contain the description and specifications of the modulation used in this product.

Additional information is in Exhibit 6 of this application.