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**United States of America**  
**Draft Proposals for the Work of the Conference**

**AGENDA ITEM 1.1:** to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC-12)**

**BACKGROUND:**

The frequency range 5 925-6 425 MHz, or parts thereof, is allocated to the FS, FSS and MS. The frequency bands adjacent to this frequency range are allocated to the FS, FSS, MS, ARS and RLS.

The frequency band 5 925-6 425 MHz has been identified as potentially suitable frequency range for International Mobile Telecommunications (IMT) systems. If deployed in these bands, it is expected IMT stations would be deployed in large numbers as part of dense mobile communication networks.

The 5 925-6 425 MHz frequency range is extensively used by satellites networks in the fixed satellite service (FSS) for Earth-to-space communication. By their global nature, FSS networks typically provide service to large regions encompassing the territory of multiple administrations.

ITU-R studies showed that receiving space stations of GSO FSS space networks would be subjected to excessive levels of interference from IMT-Advanced base stations.

Considering the extent of FSS deployment worldwide in the band 5 925-6 425 MHz, and the studies described in draft new Report ITU-R [FSS-IMT C-BAND UPLINK] (Document 4/77, 5/123), the United States concludes that there is no potential at WRC-15 for harmonization of the 5 925-6 425 MHz band, either regionally or globally, for IMT or other mobile broadband. As a result, this Administration proposes no change to the 5 925-6 425 MHz band under this agenda item.

**PROPOSAL:**

**ARTICLE 5**

**Frequency allocations**

**Section IV – Table of Frequency Allocations**  
(See No. 2.1)

NOC

USA/1.1/1

**5 570-7 250 MHz**

Allocation to services		
Region 1	Region 2	Region 3
*****		
<b>5 925-6 700</b>	FIXED 5.457 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.457C 5.149 5.440 5.458	
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**Reasons:** The 5 925-6 425 MHz band is extremely important for FSS for Earth-to-space communications, and FSS networks typically provide service to large regions encompassing the territory of multiple administrations. ITU-R studies have demonstrated that receiving space stations of GSO FSS space networks would be subjected to excessive levels of interference from IMT-Advanced base stations. As a result, sharing between IMT or other mobile broadband systems and FSS space and earth stations is not feasible.