



C-band Frequencies Are Under Threat - Join Our Efforts to Safeguard C-band Spectrum!

Leading up to the ITU World Radiocommunications Conference 2015 (“WRC-15”) the terrestrial wireless (phone) companies are lobbying heavily for additional spectrum in the C-band (receive/downlink) frequency band of 3.4 – 4.2 GHz. Additionally, they have initiated a new effort to operate within the C-band (transmit/uplink) frequency band of 5.8 – 6.4/6.7 GHz.

Operation of Broadband Wireless Access (“BWA”) / International Mobile Telecommunications (“IMT”) in the C-band has the potential to cause excessive levels of interference and might preclude future use by FSS.

The IMT/BWA industry is well-funded and has local companies in most countries around the world. They are making a concerted effort to claim additional spectrum. It is important that we act NOW and we ask the broadcast community to join efforts with the satellite industry to safeguard C-band spectrum for satellite services.

Potential activities that we suggest for broadcasters:

- Information Gathering
 - Work with your satellite operator to create case studies highlighting the importance of your services.
 - Collect information on how many users/viewers are benefiting from your C-band services (e.g. 7000+ cable head-ends in the U.S. serving 80 Million viewers, in Brazil 72 Million viewers).
 - Record any cases of interference from terrestrial wireless services. Send information to the GVF, which is keeping a database of interference events to demonstrate to regulators real cases of harmful interference.
- Meet with your local regulator on a regular basis and encourage your partners and customers around the world to do the same.
 - Highlight the importance of C-band (satellite links) to your operations/business.
 - Showcase the number of customers/viewers that rely upon the programming that you provide to them via C-band.
 - Explain the impact that interference in your C-band link has caused or could cause to your customers further down the transmission chain.

- Participate in the ITU Process on a local and global basis
 - Follow Task Group 4-5-6-7 which deals with WRC-15 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)...”*.
- Register your earth stations with your regulator to claim protection from interference and to force BWA/IMT station to place their base stations far away from your transmit and/or receive Earth station(s). Encourage your customers to do the same.
- Participate in consultations that propose changes to the National Table of Frequency Allocations and alert other industry players to ongoing consultations.

The satellite industry stands ready to provide any presentation material, information on any of the above activities or clarification you might need in this regard. Please visit www.spectrum-security-initiative.com, where a variety of resources are available for your reference. The Global VSAT Forum (“GVF”) is coordinating and leading the efforts to safeguard C-band spectrum. Please reach out to us for regular updates on developments and activities.

We look forward to our cooperation!

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