



World Radiocommunication Conference (WRC-23)
Dubai, 20 November - 15 December 2023



PLENARY MEETING

**Addendum 14 to
Document 6068-E
4 October 2023
Original: English**

African Common Proposals

PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda item 1.14

1.14 to review and consider possible adjustments of the existing frequency allocations or possible new primary frequency allocations to the Earth exploration-satellite service (passive) in the frequency range 231.5-252 GHz, to ensure alignment with more up-to-date remote-sensing observation requirements, in accordance with Resolution **662 (WRC-19)**;

ARTICLE 5

Frequency allocations

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

MOD **AFCP/6068A14/1**

200-248 GHz

Allocation to services		
Region 1	Region 2	Region 3
232-235	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation	
235-238	EARTH EXPLORATION-SATELLITE (passive) <u>ADD 5.B114-Opt3</u> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) 5.563A 5.563B	
<u>238-240</u> <u>239.2</u>	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	
<u>238</u> <u>239.2-240</u>	FIXED EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	
240-241	FIXED EARTH EXPLORATION-SATELLITE (passive) MOBILE RADIOLOCATION	
<u>241-248</u> <u>242.2</u>	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	

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241 <u>242.2-248</u> 244.2	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149
241 <u>244.2-248</u> 247.2	<u>EARTH EXPLORATION-SATELLITE (passive)</u> RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149
<u>247.2-248</u>	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 -5.149

ADD AFCP/6068A14/2

5.B114-Opt3 The use of the frequency band 235-238 GHz by the Earth exploration-satellite service (passive) is limited to the operation of limb sounding passive sensors. In this band, stations in the Earth exploration-satellite service (passive) shall not claim protection from stations of the fixed and mobile services. (WRC-23)

SUP AFCP/6068A14/3

RESOLUTION 662 (WRC-19)

Review of frequency allocations for the Earth exploration-satellite service (passive) in the frequency range 231.5-252 GHz and consideration of possible adjustment according to observation requirements of passive microwave sensors

Reasons: The adjustment will result in a contiguous block 231.5GHz-239.2GHz (for fixed and mobile services) following the consolidation of 231.5-235GHz and 238-241GHz, while providing protection of incumbent services.