

### Format

<b>Contribution for updating National Frequency Allocation Table-2022 (upto1 GHz band)</b>		
1	Name of Individual/Organization etc	National Centre for Radio Astrophysics - Tata Institute of Fundamental Research
2	Address	Pune University Campus, Post Bag 3, Ganeshkhind Pune 411007, INDIA
3	Mail ID	
4	Phone/Mobile no.	+91 20 2571 9000/9111
5(a)*	Nature of business	Research
5 (b)	Type of Organisation (Pvt industry, Association, academia, PSU, government departments etc.)	Government
6	Frequency band (kHz/MHz)	Up to 1500 MHz
7*	Applications of service	Radio Astronomy Services
8	Minimum & Maximum power with unit	mJy (milli-Jansky) (1 Jansky (Jy) = $10^{-26}$ Watts $m^{-1}$ Hz $^{-1}$ )
9	Purpose	Radio Astronomy
10 (a)	Countries in which similar applications are used along with web link (if known)	
10 (b)	Provisions in frequency allocation table along with footnote of the country along with web link (if known)	
11	Radio Regulations provisions (if known)	
12*	Type of Radiocommunication service	Passive
13	Combatable Wireless Standard for the device likely to work in the proposed band ( ETSI, 3GPP, IEEE, EC, FCC ,TEC etc or any proprietary standard)	
14	Benefit for public	Progress in scientific inquiry and exploration of the Universe. Adds to pride of India and development of scientific temper in the society at large.
15	If modification in NFAP-2022 footnote then quote relevant footnote no. of NFAP-22	<b>IND 13 (NFAP 2022)</b> The facility use for radio astronomy service at Pune needs to be protected from any radio emissions which may fall within the frequency bands allocated to radio astronomy service. In addition to bands listed in No.

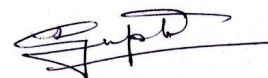
		5.149, the facility may also be protected to the extent feasible in the frequency bands below 1500 MHz – especially in the ranges 68-74.8 MHz, 585-608 MHz, and 614-890 MHz bands.
16	Remarks	<p><b>Request to rephrase IND 13:</b>  Proposed text for IND 13 footnote (differences are highlighted in orange):  The radio astronomy facility centered near the village of Khodad in Pune district needs to be protected from any radio emissions which may fall within the frequency bands allocated to radio astronomy service. <del>The facility use for radio astronomy service at Pune needs to be protected from any radio emissions which may fall within the frequency bands allocated to radio astronomy service.</del> In addition to bands listed in No. 5.149, the facility may also be protected to the extent feasible in the frequency bands below 1500 MHz <del>from any new services and/or spectrum allocations that may be proposed – especially in the ranges 68-74.8 MHz, 585-608 MHz, and 614-890 MHz bands.</del></p>

Note.48

5\* . Construction service / Manufacturing service/ Shipping Service/Aeronautical Service etc

7\* . Specify the operation of service (e.g Hand held radio/ Vehicle mobile radio/ point to point links/FM/Community Radio/Aeromobile/Short Rang Device etc.

12\* Amateur/Fixed/Land mobile/Aeronautical mobile/Maritime Mobile/Aeronautical radio navigation/FM broadcast/Community Radio Service etc



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