

Format

Contribution for updating National Frequency Allocation Table-2022 (1-6 GHz band)		
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	IND 13 (NFAP 2022) 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.

		<p>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.</p> <p>While the IND 13 in NFAP 2022 applies to all frequencies below 1500 MHz, the revised phrasing submitted to WG-1 and WG-2 limits this band from 50 MHz to 1500 MHz.</p>
16	Remarks	<p>Request to consistently include IND 13 in the table of “Allocation to Radiocommunication Services”:</p> <p>The IND 13 footnote in NFAP 2022 applies to all frequencies below 1500 MHz (band from 50 MHz to 1500 MHz as per the revised phrasing submitted). However, in the NFAP 2022 it is mentioned only for some of these frequencies in the table of “Allocation to Radiocommunication Services” and not for others. We request that IND 13 be included for all frequencies for which it is applicable, i.e. all frequencies between 50 MHz and 1500 MHz.</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



Date and Signature
19 November, 2024

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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	IND 13 (NFAP 2022) 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>Request to rephrase IND 13: The revised text serves two purposes: 1. Provides specific information about the location and extent of the radio astronomy facility. 2. Bring it to the attention of relevant stakeholders and licensing authorities the need to protect the radio environment in the vicinity of this facility of national importance.</p> <p>The radio astronomy facility centered near the village of Khodad at the location given by lat,long = N 19°05'26.31, E 74°02'59.65" and spread out over a region of 30 km, in Pune district needs to be protected from any radio emissions which may fall within the frequency bands allocated to radio astronomy service. 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 between 50 and 1500 MHz – especially in the ranges 68-74.8 MHz, 585-608 MHz, and 614-890 MHz bands. Any new proposed services and/or spectrum allocations affecting this limited geographic region and frequency range may be done in coordination with the GMRT, NCRA authorities on a case-by-case basis.</p>

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