

### Design Application Details

**Application Number:** 360565-001

**Cbr Number:** 214670

**Cbr Date:** 14/03/2022 12:25:31

**Applicant Name:**  
1. SANJAY SINGH THAKUR  
2. ASHISH SHEKHAR  
3. VIBHUTI GAWAND  
4. KARTIK JONDHALEKAR

### Design Application Status

**Application Status:** Application Under Process(waiting for Technical Examination)

[Back](#)

**FORM 1****Application for Registration of Design**

[See section 5 and 44]

You are requested to register the accompanying design in:

Sr.	Class	Sub Class	Articles
1	14-00-Recording, telecommunication or data processing equipment	14-03-TELECOMMUNICATIONS EQUIPMENT, WIRELESS REMOTE CONTROLS AND RADIO AMPLIFIERS	Compact spiral printed monopole antenna

In the name of :

Sr.	Name	Nationality	Address
1	SANJAY SINGH THAKUR	India	VIDYALANKAR INSTITUTE OF TECHNOLOGY, WADAL, MUMBAI-400037
2	ASHISH SHEKHAR	India	VIDYALANKAR INSTITUTE OF TECHNOLOGY, WADALA, MUMBAI-400037
3	VIBHUTI GAWAND	India	VIDYALANKAR INSTITUTE OF TECHNOLOGY, WADALA, MUMBAI-400037
4	KARTIK JONDHALEKAR	India	VIDYALANKAR INSTITUTE OF TECHNOLOGY

who claim(s) to be the proprietor(s) thereof.

Four exactly similar representations of the design accompanying this request.

The design is to be applied to **Compact spiral printed monopole antenna,**

Address for Service in India is:

**No 325 17th Main B Block 3rd Stage Vijayanagar Mysuru 570030**Email ID: **sgowthami12@gmail.com**Mobile No: **9538377433****Declaration:**

The applicant(s) claims to be the proprietor(s) of the design and that to the best of his knowledge and belief the design is new or original.

Dated this 3 day of March 2022

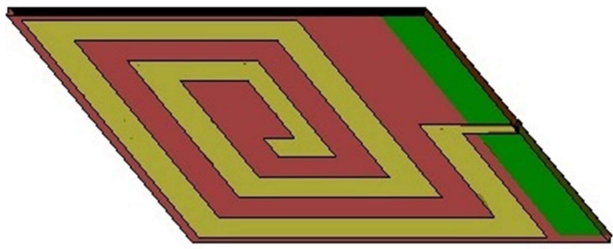
SIGNATURE  
**Gowthami S**To,  
The Controller of Patents & Designs,  
The Patent Office Kolkata

This form is electronically generated.

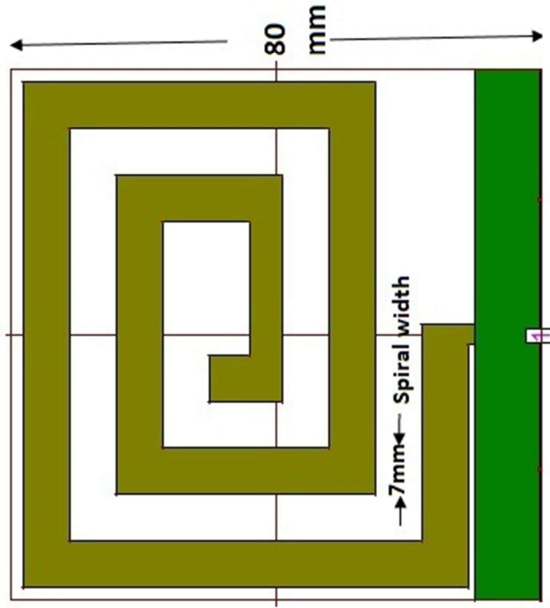
## **Compact Spiral Printed Monopole Antenna**

### **Abstract:**

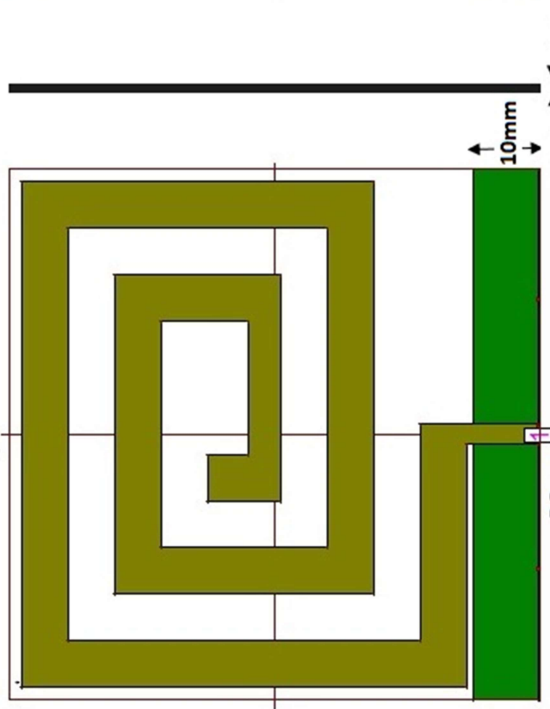
In this design a rectangular spiral printed monopole antenna has been proposed. This printed spiral antenna has been designed to cover multiband frequencies, starting from 180 MHz to 2.5GHz with broad BW. This printed antenna has been fed through microstrip line feed to get optimized impedance bandwidth. The details of simulated results of proposed antenna have been validated through experimental results. This single antenna would be able to cover the various applications.



3D View



Back view



Front view

Thickness  
1.59mm

Side view

Applicant:

SANJAY SINGH THAKUR

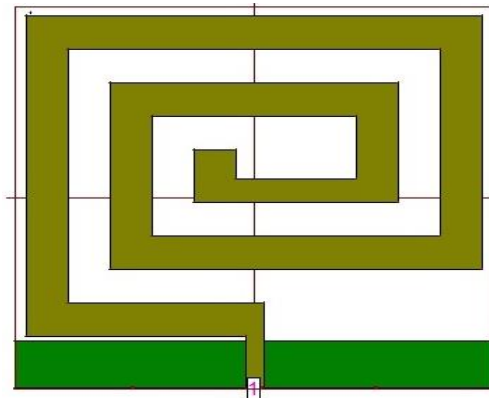
ASHISH SHEKHAR

VIBHUTI GAWAND

KARTIK JONDHALKAR

Total sheet 6

sheet 1 of 6



**Front view**

The novelty resides in the Shape and Configuration of “**Compact spiral printed monopole antenna**” as illustrated.

No claim is made by virtue of this registration in respect of any mechanical or other action of any mechanism whatever or in respect of any mode or principle of construction of the Article.

No claim is made by virtue of this registration to any right to the exclusive use of the words, letters, numbers, or trademarks appearing in the representation.

Gowthami S,

Registered Patent Agent

#325 17TH MAIN B Block Vijayanagar

3rd stage, Mysore-570030

Email- [sgowthami12@gmail.com](mailto:sgowthami12@gmail.com)

Date:03/03/2022

Digitally Signed

Applicant:

SANJAY SINGH THAKUR

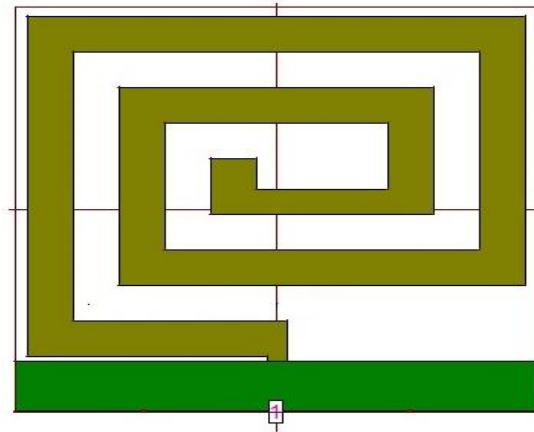
ASHISH SHEKHAR

VIBHUTI GAWAND

KARTIK JONDHALEKAR

Total sheet 6

Sheet 2 of 6



**Back View**

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Applicant:

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VIBHUTI GAWAND

KARTIK JONDHALEKAR

Total sheet 6

sheet 3 of 6

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### Top view

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Total sheet 6

sheet 4 of 6



### Bottom View

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Total sheet 6

sheet 5 of 6



### Side view

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Applicant:

SANJAY SINGH THAKUR

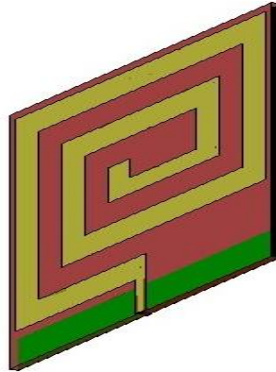
ASHISH SHEKHAR

VIBHUTI GAWAND

KARTIK JONDHALEKAR

Total sheet 6

sheet 6 of 6



**3D View**

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Date:03/03/2022

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MAHARASHTRA

2021

ZX 989751



जिल्हा कोषागार कार्यालय, ठाणे  
25 FEB 2022  
मुद्रांक प्रमुख लिपीक / लिपीक

FORM 21

DESIGNS ACT, 2000

GENERAL POWER OF AUTHORITY

TO AGENT

SECTION 43

In connection with making application and obtaining registration of Designs under the provision of Designs Act, 2000 and to represent us in all the matters in connection therewith, to maintain registration in force, to act in all matters under the Act, to authorize to sign and execute such deeds and documents on our behalf and also the appointment of substitute (s) as may be necessary and expedient, we, SANJAY SINGH THAKUR, having address Vidyalankar Institute of Technology, Wadala, Mumbai – 400037,

ASHISH SHEKHAR, having address Vidyalankar Institute of Technology, Wadala, Mumbai-400037, VIBHUTI GAWAND, having address Vidyalankar Institute of Technology, Wadala, Mumbai-400037, KARTIK JONDHALEKAR, having address Vidyalankar Institute of Technology, being Indian Nationals, do hereby authorize and appoint GOWTHAMI S, Registered PatentAgent, #325, 17<sup>th</sup> Main, B Block, Vijayanagar 3<sup>rd</sup> stage Mysore-570030, to act as our Agent and to receive all notices, requisitions and communications until further notice.

Dated: 08 / 03 / 2022



**SANJAY SINGH THAKUR**



**ASHISH SHEKHAR**



**VIBHUTI GAWAND**



**KARTIK JONDHALEKAR**

To,  
The Controller of the Designs  
The Patent Office, Kolkata