



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**RFCOMM CALIBRATION LABORATORY, RFCOMM  
SOLUTIONS & SERVICES PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

G 06, 6TH FLOOR NO. 02, JAIN HEIGHTS SOLUS 1ST CROSS, J C ROAD, BENGALURU, KARNATAKA,  
INDIA

in the field of

**CALIBRATION**

Certificate Number: CC-2801

Issue Date: 13/08/2024

Valid Until:

12/08/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: RFCOMM SOLUTIONS & SERVICES PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** RFCOMM CALIBRATION LABORATORY, RFCOMM SOLUTIONS & SERVICES PRIVATE LIMITED, G 06, 6TH FLOOR NO. 02, JAIN HEIGHTS SOLUS 1ST CROSS, J C ROAD, BENGALURU, KARNATAKA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

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**Validity** 13/08/2024 to 12/08/2026 **Last Amended on** 30/08/2024

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (1 kHz to 100 kHz)	Using 6½ Digit multimeter by Direct Method	20 mV to 5 V	0.06 % to 0.018 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (1 kHz to 100 kHz)	Using 6½ Digit multimeter and Arbitrary waveform generator by comparison method	20 mV to 5 V	0.28 % to 0.13 %
3	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter by direct method	100 mA to 10 A	0.088 % to 0.64 %
4	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Digit Multimeter and DC power supply by comparison method	100 mA to 10 A	0.58 % to 0.66 %
5	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using DC Power supply & Power Supply and 6½ Digit multimeter by Comparison Method	1 V to 650 V	0.17 % to 0.5 %



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6	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Digit multimeter by Direct Method	1 V to 650 V	0.57 % to 0.5 %
7	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Measure)	Amplitude Modulation (Rate: 1 kHz to 10 kHz)	Using Modulation Meter by Direct Method	Depth: 10 % to 90 %, CW: 10 MHz to 1.3 GHz	2.44 % to 2.36 %
8	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Measure)	Frequency	Using Universal frequency counter & High Frequency Counters Locked with Frequency Standard by Direct Method	1 Hz to 40 GHz	26.6 µHz to 57.8 Hz
9	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Measure)	Frequency Modulation (Rate 1 kHz to 20 kHz)	Using Modulation Meter by Direct Method	Deviation: 1 kHz to 200 kHz, CW: 10 MHz to 1.3 GHz	2.30 % to 2.27 %
10	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Measure)	RF Power (10 MHz to 40 GHz)	Using USB power sensor, Power meter with sensor & Signal analyzer by direct method	+13 dBm to -60 dBm	5.5 % to 7.01 %





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11	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Source)	Amplitude Modulation (Rate: 1 kHz to 10 kHz)	Using Analog signal generator by Direct Method	Depth: 10 % to 90 %, CW: 10 MHz to 1.3 GHz	3.3 %
12	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Source)	Frequency	Using Arbitrary waveform generator and analog signal generator and Digital signal generator with Reference Locked to Frequency Standard by Direct Method	1 Hz to 40 GHz	0.59 Hz to 6.05 Hz
13	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Source)	Frequency Modulation (Rate: 1 kHz to 20 kHz)	Using analog signal generator & Digital Signal Generator By Direct Method	Deviation: 10 kHz to 200 kHz, CW: 10MHz to 1.3GHz	2.28 %
14	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Source)	Frequency Modulation at (Rate:1 kHz to 20 kHz)	Using analog signal generator & Digital Signal Generator By Direct Method	Deviation 10 kHz to 200 kHz,CW: 10MHz to 1.3GHz	2.08 %



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15	ELECTRO-TECHNICAL-RF/MICROWAVE (1 GHZ AND ABOVE) (Source)	RF Power (10 MHz to 40 GHz)	Using signal generator by transfer method	+13 dBm to -60 dBm	6.38 % to 10.04 %
16	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Sine Wave Flatness	Using Digital signal generator & Analog signal generator by Direct Method	50 MHz to 10 GHz	6.16 % to 8 %
17	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Time Period	Using Signal generator & Arb generator by direct method	10 ms to 200 ps	0.0031 % to 0.06 %



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Site Facility					
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\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.