



**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
TELECOMMUNICATION ENGINEERING CENTRE**  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

## **CERTIFICATE OF DESIGNATION**

**M/s Nemko India (Test Lab) Private Limited, Faridabad**  
has been assessed and designated as Conformity Assessment Body (CAB)  
for its facilities at

**Plot No. 193, Sector-68, IMT Faridabad, Haryana-121 004**

**In the field of Testing**

**Certificate No. TEC/MRA/CAB/IND-D/19**

**Issue Date: 07/06/2024**

**Validity: 08/06/2024 to 07/06/2027**

**This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.**

**(To see the scope of designation of this laboratory, you may also visit TEC website [www.tec.gov.in](http://www.tec.gov.in))**

**Signed for and on behalf of TEC**

**Signed by Sanjeev Kumar**

**Sanjeev Kumar Arya**

**Date: 07-06-2024 11:29:55**

**Director (CA)**

**For Designating Authority**

**TEC**

**Certificate No: TEC/MRA/CAB/IND-D/19 dated 07/06/2024 issued to  
M/s Nemko India (Test India) Private Limited, Faridabad  
Plot No. 193, Sector-68, IMT Faridabad,  
Haryana, 121004**



**Validity: - 08/06/2024 to 07/06/2027**

**Terms & Conditions**

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 3 NO. TEC 04019:2023.

Some of the conditions are reiterated as under:

**A. Obligations of the Designated CAB.**

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)\* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

\*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
  - a) Cessation of its business of conformity assessment for which it is Designated or accredited
  - b) Changes in its legal, commercial, or Organisational status
  - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
  - d) Change of premises

## **B. REFERENCE TO DESIGNATION STATUS**

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

## **C. POST-DESIGNATION SURVEILLANCE**

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

1. DA shall suspend or withdraw the designation of a CAB if
  - a. Its accreditation is withdrawn.
  - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
  - c. It is guilty of any offence involving fraud or dishonesty.
  - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

## **E. AMENDMENT TO THE SCHEME**

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

**GOVERNMENT OF INDIA**  
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**DEPARTMENT OF TELECOMMUNICATIONS**  
**TELECOMMUNICATION ENGINEERING CENTRE**  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



## **SCOPE OF DESIGNATION** **(Annexure)**

**Laboratory Name:** M/s Nemko India (Test Lab), Private Limited, Faridabad  
Plot No. 193, Sector-68, IMT Faridabad, Haryana, 121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19

**Page 1 of 3**

**Validity:** 08/06/2024 to 07/06/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
1.	<b>Information Technology Equipment-Safety Requirement</b>	Power Interface Clause- 1.6.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Durability Clause- 1.7.11	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Access to Energized Parts Clause- 2.1.1.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Energy Hazards Clause- 2.1.1.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Discharge of Capacitors in Equipment Clause-2.1.1.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		SELV Circuits Clause- 2.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		TNV Circuit Clause- 2.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Limited Current Circuit Clause- 2.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Limited Power Sources Clause- 2.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Resistance of Earthing Conductors and their Terminations Clause- 2.6.3.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Humidity Conditioning Clause- 2.9.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Working Voltage Clause- 2.10.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Clearance & Creepage Distance Clause-2.10.3, 2.10.3.6, 2.10.3.7, 2.10.3.8, 2.10.3.9, 2.10.4, 2.10.4.2	IEC 60950-1:2005 + A1:2009 + A2: 2013

**\*The validity of Certificate is up to 07/06/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

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**SCOPE OF DESIGNATION**  
**(Annexure)**

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Plot No. 193, Sector-68, IMT Faridabad, Haryana, 121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19

**Page 2 of 3**

**Validity:** 08/06/2024 to 07/06/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	<b>Information Technology Equipment-Safety Requirement</b>	Distances through Insulation Clause- 2.10.5.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Component External Terminations Clause- 2.10.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Thermal Cycling Clause- 2.10.9	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Wiring, Connections and Supply Clause- 3.0	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Stability Test Clause- 4.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Mechanical Strength Test Clause- 4.2.2, 4.2.3, 4.2.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Impact Test Clause- 4.2.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Drop Test Clause- 4.2.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Stress Relief Test Clause- 4.2.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Direct Plug-in Equipment Test Clause- 4.3.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Protection against Moving Fan Blades Clause- 4.4.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Thermal Requirement Clause- 4.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Resistance to Abnormal Heat- Ball Pressure Test Clause- 4.5.5	IEC 60950-1:2005 + A1:2009 + A2: 2013

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**(Annexure)**

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Plot No. 193, Sector-68, IMT Faridabad, Haryana, 121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19

**Page 3 of 3**

**Validity:** 08/06/2024 to 07/06/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	<b>Information Technology Equipment-Safety Requirement</b>	Resistance to Fire Glow wire Test (Horizontal & Vertical flame) Clause- 4.7.3.2, 4.7.3.3, 4.7.3.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Touch Current and Protective Conductor Current Test Clause- 5.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Electric Strength Test Clause- 5.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Abnormal Operating and Fault Condition Clause- 5.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Connection to Telecom Network Clause- 6.1, 6.2, 6.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Connection to Cable distribution System Clause- 7.4.3	IEC 60950-1:2005 + A1:2009 + A2: 2013

**Signed by Sanjay Bhardwaj**  
**Date: 07-06-2024 11:25:25**  
**AD (CA), TEC**

**\*The validity of Certificate is up to 07/06/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

**Government of India**  
**Department of Telecommunications**  
**Telecommunication Engineering Centre**  
**Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001**

**No. 1-11/ 2024-सी.ए./टी. ई. सी.**

**Dated: 11.11.2024**

**M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad**  
**Plot No.193, Sector-68, IMT, Faridabad, Haryana-121004**  
**Mob: 9205690573**  
**E-Mail: [kavita.dagar@nemko.com](mailto:kavita.dagar@nemko.com), [satish.sankhyan@nemko.com](mailto:satish.sankhyan@nemko.com)**

**[Kind attention to Ms. Kavita Dagar, Quality Manager]**

**Subject: Enhancement of Scope of CAB Designation of M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad**

Ref: 1. TEC CAB Designation Certificate no. TEC/MRA/CAB/IND-D/19 dated 07.06.2024  
2. Your application for enhancement of Scope of CAB Designation vide Application no. SW9095512068 dated 14.08.2024 submitted on NSW CAB Designation Portal.

This is in reference to your application for enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/19 dated 07.06.2024, valid upto 07.06.2027, submitted vide Application no. SW9095512068 dated 14.08.2024 in online mode on NSW CAB Designation Portal.

2. In reference to the recommendations of Site visit assessment team, the scope of designation of CAB Certificate no. referred above is hereby enhanced in respect of test parameters of “**ECR Testing**” as per detail mentioned in Annexure attached.

3. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/19 dated 07.06.2024 shall remain unchanged.

4. This is issued with the approval of Competent Authority.

Digitally signed by  
Sanjeev Kumar Arya  
Date: 11-11-2024 10:22:31

Encl: as above

(Sanjeev Kumar Arya)  
Director (CA), TEC

Copy to:

1. DDG (TC), TEC, New Delhi for kind information and necessary action please.
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information please.

**GOVERNMENT OF INDIA  
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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Pvt. Ltd.  
Plot No.193, Sector-68, IMT, Faridabad,  
Haryana-121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19

**Page 1 of 1**

**Validity:** 11/11/2024 to 07/06/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	PON Family of Broadband Equipment	Parameters Linked with Product Variant	ECR Testing TEC 74046 Annex-R  TEC ER No. TEC14762407

Digitally signed by  
Sanjay Bhardwaj  
Date: 11-11-2024 10:43:47

**AD (CA), TEC**

**\*The validity of Certificate is up to 07/06/2027 or the continued validity of NABL Accreditation, whichever is earlier.**



Government of India  
Department of Telecommunications  
Telecommunication Engineering Centre  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

**No. 1-11/2024-सी.ए./टी.ई.सी.**

**Dated: 21.03.2025**

M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad  
Plot No.193, Sector-68, IMT, Faridabad, Haryana-121004  
Mob: 9205690573  
E-Mail: kavita.dagar@nemko.com

**[Kind attention to Mrs. Kavita Dagar, Quality Manager)]**

**Subject: Enhancement of Scope of CAB Designation of M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad.**

Ref: 1. TEC CAB Designation Certificate no. TEC/MRA/CAB/IND-D/19 dated 07.06.2024

2. Your application for enhancement of Scope of CAB Designation vide Application no. SW9095512068-M008\_D001\_A194-1733224204090 dated 03.12.2024 submitted on NSWS CAB Designation Portal.

This is in reference to your application for enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/19 dated 07.06.2024, valid upto 07.06.2027, submitted vide Application no. SW9095512068-M008\_D001\_A194-1733224204090 dated 03.12.2024 in online mode on NSWS CAB Designation Portal.

2. In reference to the recommendations of Site visit assessment team, the scope of designation of CAB Certificate no. referred above is hereby enhanced in respect of test parameters of “Radio Broadcast Receiver” as per detail mentioned in Annexure attached.

3. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/19 dated 07.06.2024 shall remain unchanged.

4. This is issued with the approval of Competent Authority.

Encl: as above

Digitally signed by  
Sanjeev Kumar Arya  
Date: 21-03-2025  
14:59:15  
(Sanjeev Kumar Arya)  
Director (CA), TEC

Copy to:

1. DDG (Radio), TEC, New Delhi for kind information and necessary action please.
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information please.

**GOVERNMENT OF INDIA**  
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Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Private Limited, Faridabad  
Plot No. 193, Sector 68, IMT Faridabad- 121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19

**Page 1 of 1**

**Validity:** 21/03/2025 to 07/06/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
1.	Radio Broadcast Receiver (RBR)	Parameters Linked with Product Variant	Frequency of operation for Radio Broadcast Receivers- As per TEC Annexure to ER No.: TEC/TC/DD/TCP-222/2.25/October 2024: 2024	TEC ER No. TEC50012407
		Interface:- Geolocation Navigation	Geo-location Navigation Interface (GPS/NavIC)- As per TEC Annexure to ER No.: TEC/TC/DD/TCP-222/2.25/ October 2024: 2024	TEC ER No. TEC50012407
			Operating Frequency for GPS/NavIC-As per TEC Annexure to ER No.: TEC/TC/DD/TCP-222/2.25/October 2024: 2024	TEC ER No. TEC50012407

Digitally signed by  
Rajeev Ranjan  
Date: 21-03-2025  
15:04:33

**AD (CA), TEC**

**\*The validity of Certificate is up to 07/06/2027 or the continued validity of NABL Accreditation, whichever is earlier.**



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## **CERTIFICATE OF DESIGNATION**

**M/s NEMKO INDIA (TEST LAB) PRIVATE LIMITED, FARIDABAD**  
has been assessed and designated as Conformity Assessment Body (CAB)  
for its facilities at

**Plot No. 193, Sector-68, IMT Faridabad, Haryana-121 004**

**In the field of Testing**

**Certificate No. TEC/MRA/CAB/IND-D/19-I**

**Issue Date: 24/12/2024**

**Validity: 29/12/2024 to 28/12/2027**

**This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.**

**(To see the scope of designation of this laboratory, you may also visit TEC website [www.tec.gov.in](http://www.tec.gov.in))**

**Signed for and on behalf of TEC**

Digitally signed by  
Sanjeev Kumar Arya  
Date: 24-12-2024 15:45:06  
Sanjeev Kumar Arya  
Director (CA)  
For Designating Authority  
TEC

**Certificate No: TEC/MRA/CAB/IND-D/19-I dated 24/12/2024 issued to  
M/s Nemko India (Test Lab) Private Limited, Faridabad  
Plot No. 193, Sector-68, IMT Faridabad, Haryana-121 004**



**Validity: -29/12/2024 to 28/12/2027**

### **Terms & Conditions**

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3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
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9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
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  - c. It is guilty of any offence involving fraud or dishonesty.
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Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Private Limited, Faridabad  
**Plot No. 193, Sector-68, IMT Faridabad,**  
**Haryana-121 004**

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

**Page 1 of 6**

**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
1	<b>EMI/EMC Testing for Telecom Equipment</b>	Conducted Emission CISPR 11	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 32	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 14-1	TEC/SD/DD/EMC-221/05/OCT-16
		Conducted Emission CISPR 25	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge Immunity Test IEC 61000-4-2	TEC/SD/DD/EMC-221/05/OCT-16
		Electrical Fast Transient/Burst Immunity Test IEC 61000-4-4	TEC/SD/DD/EMC-221/05/OCT-16
		Surge Immunity Test IEC 61000-4-5	TEC/SD/DD/EMC-221/05/OCT-16
		Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields IEC 61000-4-6	TEC/SD/DD/EMC-221/05/OCT-16
		Voltage Dips, Short Interruptions and Voltage Variation Immunity Tests IEC 61000-4-11	TEC/SD/DD/EMC-221/05/OCT-16
		DC Voltage Dips, Short Interruption and Voltage Variations Immunity Test IEC 61000-4-29	TEC/SD/DD/EMC-221/05/OCT-16
		Electrostatic Discharge Immunity Test, High Energy/Telecom Surge Immunity Test ITU-T K.21	TEC/SD/DD/EMC-221/05/OCT-16

**\*The validity of Certificate is up to 28/12/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

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**Haryana-121 004**

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

**Page 2 of 6**

**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	<b>EMI/EMC Testing for Telecom Equipment</b>	High Energy /Telecom Surge Immunity Test ITU-T K.44	TEC/SD/DD/EMC-221/05/OCT-16
<b>2.</b>	<b>Equipment Operating in 2.4 GHz and 5 GHz Frequency Bands</b>	Duty Cycle, Tx sequence, Tx-gap Clause- 4.3.1.3, 4.3.2.4 & 5.3.2	ETSI EN 300 328
		Accumulated Transmit Time, Frequency Occupation and Hopping Clause-4.3.1.4 & 5.3.4	ETSI EN 300 328
		Hopping Frequency Separation Clause- 4.3.1.5 & 5.3.5	ETSI EN 300 328
		Medium Utilization Clause- 4.3.1.6, 4.3.2.5 & 5.3.2	ETSI EN 300 328
		Adaptivity Clause- 4.3.1.7, 4.3.2.6 & 5.3.7	ETSI EN 300 328
		Occupied Channel Bandwidth Clause- 4.3.1.8, 4.3.2.7 & 5.3.8	ETSI EN 300 328
		Transmitter Unwanted Emission in OOB Domain (Conductive Testing only) Clause- 4.3.1.9, 4.3.2.8 & 5.3.9	ETSI EN 300 328
		Receiver Blocking Clause- 4.3.1.12, 4.3.2.11 & 5.3.7	ETSI EN 300 328
		Geolocation Capability Clause- 4.3.1.13, 4.3.2.12	ETSI EN 300 328
		RF Output Power Clause-4.3.1.2, 4.3.2.2 & 5.3.2	ETSI EN 300 328

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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Private Limited, Faridabad  
**Plot No. 193, Sector-68, IMT Faridabad,**  
**Haryana-121 004**

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

**Page 3 of 6**

**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/ Specification
	<b>Equipment Operating in 2.4 GHz and 5 GHz Frequency Bands</b>	Power Spectral Density Clause- 4.3.2.3 & 5.3.3	ETSI EN 300 328
		Designation of Center Frequencies and Frequency Error Clause- 4.2.1	ETSI EN 302 502
		Transmitter RF Output Power, EIRP and EIRP Spectral Density Clause- 4.2.2	ETSI EN 302 502
		Transmitter Power Control (TPC) Clause- 4.2.4	ETSI EN 302 502
		Dynamic Frequency Selection (DFS) Cause-.4.2.6	ETSI EN 302 502
		Receiver Blocking Clause- 4.2.7	ETSI EN 302 502
		User Access Restrictions Clause- 4.2.8	ETSI EN 302 502
		Carrier Frequencies Clause- 4.2.1	ETSI EN 301 893
		Nominal and Occupied Channel Bandwidth Clause- 4.2.2	ETSI EN 301 893
		RF Output Power, Transmit Power Control (TPC), Power Density Clause- 4.2.3	ETSI EN 301 893
		Transmitter Unwanted Emissions within the 5 GHz RLAN Bands (Conductive Testing only) Clause- 4.2.4.2	ETSI EN 301 893

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**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	<b>Equipment Operating in 2.4 GHz and 5 GHz Frequency Bands</b>	Dynamic Frequency Selection (DFS) Clause- 4.2.6.2	ETSI EN 301 893
		Adaptivity Clause- 4.2.7	ETSI EN 301 893
		Receiver Blocking Clause- 4.2.8	ETSI EN 301 893
		User Access Restrictions Clause- 4.2.9	ETSI EN 301 893
		Geo Location Capability Clause- 4.2.10	ETSI EN 301 893
<b>3.</b>	<b>Safety Requirements for Radio Transmitting Equipment</b>	Fault Conditions Clause- 5.3	IEC 60215:2016
		Resistance to Humidity Clause- 6.3.2	IEC 60215:2016
		General Clause- 7.1	IEC 60215:2016
		Enclosures Clause- 7.3	IEC 60215:2016
		High Temperatures Clause- 8.2	IEC 60215:2016
		Fire Clause- 8.3	IEC 60215:2016
		Clearance and Creepage Distances Annex A	IEC 60215:2016

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**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/ Specification
4.	Environmental Testing of Telecommunication Equipment	Low Temperature (Cold Cycle) Test	QM-333 Issue March 2010
		High Temperature (Dry Heat Cycle) Test	QM-333 Issue March 2010
		Tropical Exposure (Damp Heat Cyclic) Test	QM-333 Issue March 2010
		Rapid Temperature Cycle Test	QM-333 Issue March 2010
		Damp Heat (Steady State) Test	QM-333 Issue March 2010
		Vibration Test	QM-333 Issue March 2010
		Drop Test	QM-333 Issue March 2010
		Topple Test	QM-333 Issue March 2010
		Fall Test	QM-333 Issue March 2010

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Haryana-121 004

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

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**Validity:** 29/12/2024 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
5.	Mobile Phone Handsets (Part 3- Indian Language Support for Mobile Phones Handsets- Specific Requirements	Mobile Device Indian Language Support Clause- 5.1 & 5.2	IS 16333 (Part 3):2017

Digitally signed by  
Rajeev Ranjan  
Date: 24-12-2024 15:51:56

**AD (CA), TEC**

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**Government of India  
Department of Telecommunications  
Telecommunication Engineering Centre  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001**

स. 1-85/2025-सी.ए./टी.ई.सी.

Dated: - 19.12.2025

To,

Ms. Kavita Dagar, Quality Manager  
M/s Nemko India (Test Lab) Private Limited,  
Plot No. 193, Sector-68, IMT Faridabad, Haryana-121004  
Mob: +91 9205690573  
E-mail: kavita.dagar@nemko.com

**Subject: Application for enhancement of CAB Designation- M/s Nemko India (Test Lab) Private Limited, Plot No. 193, Sector-68, IMT Faridabad, Haryana-121004 - regarding.**

**Ref.:-** (i) CAB Designation Certificate No. TEC/MRA/CAB/IND-D/19-I dated 24.12.2024, valid up to 28.12.2027.  
(ii) NSW Portal Application ID SW9095512068-M008\_D001\_A194-1757048386785 dated 05.09.2025 and re-applied on dated 25.09.2025.  
(iii) Nemko letter no. Nemko/2025/Lab/41 dated 14.11.2025.

This is in reference to your application for enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/19-I dated 24.12.2024, valid up to 28.12.2027, submitted vide Application ID SW9095512068-M008\_D001\_A194-1757048386785 dated 05.09.2025 and re-applied on dated 25.09.2025 in online mode on NSW CAB Designation Portal.

2. In reference to the recommendations of Site visit assessment report, the scope of designation of CAB Certificate no. referred under ref. (i) above is hereby enhanced in respect of test parameters of Base Station for Cellular Network, IoT Gateway, PON Family of Broadband Equipment, Private Automatic Branch Exchange, IP Multimedia Conferencing Equipment, End Point Device for Environmental Monitoring, Router & IP Security Equipment as per detail mentioned in Annexure attached below.

3. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/19-I dated 24.12.2024 shall remain unchanged.
4. This is issued with the approval of Competent Authority.

**Encl: as above**

Digitally signed by  
Sanjeev Kumar Arya  
Date: 19-12-2025  
12:44:46  
(Sanjeev Kumar Arya)  
Director (CA), TEC

Copy to:

1. DDG (TC), TEC, New Delhi for kind information and necessary action please.
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information please.

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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad  
**Plot No. 193, Sector-68, IMT Faridabad, Haryana- 121004**

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
1.	PON Family of Broadband Equipment	Parameters Linked with Product Variant	Dual IP Layer Operation RFC 4213 – Address (RFC 4213 Cl. 2.1 Annex-P6)
			Dual IP Layer Operation RFC 4213 – DNS (RFC 4213 Cl. 2.1 and 2.2. Annex-P6)
			IPV6 Extn. Header Parameters (RFC 2460 or RFC 8200 Annex-P7)
			IPV6 Header Parameters (RFC 2460 / RFC 8200 Annex-P7)
			Dual IP Layer Operation RFC 4213 – Address (RFC 4213 Cl. 2.1 Annex-P6)
2.	IP Multimedia Conferencing Equipment	Parameters Linked with Product Variant	RTCP Parameters RFC 3551 Set-A (RFC 3551. Annex-P3)
3.	End Point Device for Environmental Monitoring	Parameters Linked with Product Variant	IPv6 Dual Stack as per RFC 4213 (RFC 4213 clause 2.1 & 2.2. Annex-P6)
4.	Router	Parameters Linked with Product Variant	BGP4 as per RFC 4271 and MBGP (RFC 4271 4760. Annex-P11)
			BGP for IPV6 (RFC 2545. Annex-P11)
			IPV6 Complete Suite (RFC 2460 or 8200 4861 4862 1981 4443 Annex-P11),

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**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		OSPFv3 for IPV6 (RFC 2740 Annex-P11),	TEC ER No. TEC37682410
		LDP as per RFC 5036 (RFC 5036 Annex-P11),	TEC ER No. TEC37682410
		IPV6 (RFC 2460 or 8200 4861 4862 1981 4443 Annex-P11),	TEC ER No. TEC37682410
		IPv6 Dual Stack as per RFC 4213 (RFC 4213 clause 2.1 and 2.2. Annex-P6)	TEC ER No. TEC37682410
5.	IP Security Equipment	Parameters Linked with Product Variant	
		IDS Functional Test(Annex-P11)	TEC ER No. TEC34732410
		IPS Functional Test(Annex-P11)	TEC ER No. TEC34732410
		UTM URL Content & Anti-Virus Filtering(Annex-P11)	TEC ER No. TEC34732410
6.	Base Station with Multi Standard Radio	Parameters Linked with Product Variant-6	
		BTS with MSR Operating Frequency NFAP. Annex-F Clause 6.1.1	TEC ER No. TEC42722504
		BTS with MSR Receiver Parameters 3GPP TS 37.141 Annex-F4	TEC ER No. TEC42722504
		Receiver spurious emissions 3GPP TS 37.141 Clause 7.6	TEC ER No. TEC42722504
		In-band selectivity and blocking or In Band Blocking and Narrow band Blocking 3GPP TS 37.141 Clause 7.4	TEC ER No. TEC42722504

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**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Out-of-band blocking 3GPP TS 37.141 Clause 7.5	TEC ER No. TEC42722504
		Receiver Intermodulation 3GPP TS 37.141 Clause 7.7	TEC ER No. TEC42722504
		Reference sensitivity level 3GPP TS 37.141 Clause 7.2	TEC ER No. TEC42722504
		BTS with MSR Transmitter Parameters 3GPP TS37.141 Annex-F4 Clause 6.1.3	TEC ER No. TEC42722504
		Base Station output power 3GPP TS 37.141 Clause 6.2	TEC ER No. TEC42722504
		Transmitter spurious emissions 3GPP TS 37.141 Clause 6.6.1	TEC ER No. TEC42722504
		Operating band unwanted emissions 3GPP TS 37.141 Clause 6.6.2	TEC ER No. TEC42722504
		Adjacent Channel Leakage Power Ratio (ACLR) 3GPP TS 37.141 Clause 6.6.4	TEC ER No. TEC42722504
		Transmitter Intermodulation 3GPP TS 37.141 Clause 6.7	TEC ER No. TEC42722504
		<b>Variant 7 : BTS for GSM</b>	
		GSM BTS Operating Frequency Annex-F (NFAP) Clause 7.1.2	TEC ER No. TEC42722504
		GSM BTS Output Power 3GPP TS 45.005 Cl. 4.1.2 Clause 7.1.3	TEC ER No. TEC42722504
		GSM BTS Receiver Parameters	TEC ER No. TEC42722504

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		3GPP TS 51.021. Annex-F1 Clause 7.1.4	
		Static Reference Sensitivity Level 3GPP TS 51.021 Clause 7.3	TEC ER No. TEC42722504
		Reference interference level 3GPP TS 51.021 Clause 7.5	TEC ER No. TEC42722504
		Blocking Characteristics 3GPP TS 51.021 Clause 7.6	TEC ER No. TEC42722504
		Intermodulation characteristic 3GPP TS 51.021 Clause 7.7	TEC ER No. TEC42722504
		AM suppression 3GPP TS 51.021 Clause 7.8	TEC ER No. TEC42722504
		Spurious emissions from the receiver antenna connector 3GPP TS 51.021 Clause 7.9	TEC ER No. TEC42722504
		GSM BTS Transmitter Parameters 3GPP TS 51.021. Annex-F1 Clause 7.1.5	TEC ER No. TEC42722504
		Adjacent channel power 3GPP TS 51.021 Clause 6.5	TEC ER No. TEC42722504
		Wideband noise and intra BSS intermodulation attenuation in multicarrier operation 3GPP TS 51.021 Clause 6.12	TEC ER No. TEC42722504
		Spurious emissions from the transmitter antenna connector 3GPP TS 51.021 Clause 6.6	TEC ER No. TEC42722504

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Mean transmitted RF carrier power 3GPP TS 51.021 Clause 6.3	TEC ER No. TEC42722504
		Intermodulation attenuation 3GPP TS 51.021 Clause 6.7	TEC ER No. TEC42722504
		Intra Base Station System intermodulation attenuation 3GPP TS 51.021 Clause 6.8	TEC ER No. TEC42722504
		Radiated spurious emissions 3GPP TS 51.021 Clause 8	TEC ER No. TEC42722504
		<b>Variant 8:</b> <b>BTS with</b> <b>AAS</b>	
		BTS with AAS Operating Frequency Annex-F Clause 8.1.1	TEC ER No. TEC42722504
		BTS with AAS Receiver Parameters 3GPP TS37.145-1. Annex-F5 Clause 8.1.2	TEC ER No. TEC42722504
		Reference sensitivity level 3GPP TS 37.145-1 Clause 7.2	TEC ER No. TEC42722504
		Adjacent channel selectivity and narrowband blocking or In Band Blocking and Narrow band Blocking 3GPP TS 37.145-1 Clause 7.4	TEC ER No. TEC42722504
		Blocking or out-of-band blocking 3GPP TS 37.145-1 Clause 7.5	TEC ER No. TEC42722504
		Receiver spurious emissions 3GPP TS 37.145-1 Clause 7.6	TEC ER No. TEC42722504
		Receiver intermodulation 3GPP TS 37.145-1 Clause 7.7	TEC ER No. TEC42722504

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		BTS with AAS Transmitter Parameters 3GPP TS37.145- 1. Annex-F5 Clause 8.1.3	TEC ER No. TEC42722504
		Base Station output power 3GPP TS 37.145-1 Clause 6.2	TEC ER No. TEC42722504
		Spurious emission 3GPP TS 37.145-1 Clause 6.6.6	TEC ER No. TEC42722504
		Operating band unwanted emission 3GPP TS 37.145-1 Cl. 6.6.5	TEC ER No. TEC42722504
		Adjacent Channel Leakage Power Ratio (ACLR) 3GPP TS 37.145-1 Cl. 6.6.3	TEC ER No. TEC42722504
		Transmitter intermodulation 3GPP TS 37.145-1 Clause 6.7	TEC ER No. TEC42722504
		<b>Variant 9: eNodeB for LTE</b>	
		LTE eNodeB Home BS Parameters 3GPP TS36.141. Annex-F3 Clause 9.1.11	TEC ER No. TEC42722504
		Home BS output power for adjacent UTRA channel protection: Applicable to Home base Station only 3GPP TS 36.141 Clause 6.2.6	TEC ER No. TEC42722504
		Home BS output power for adjacent E- UTRA channel protection: Applicable to Home base Station only 3GPP TS 36.141 Clause 6.2.7	TEC ER No. TEC42722504
		Home BS output power for co-channel E-UTRA protection: Applicable to Home base Station only	TEC ER No. TEC42722504

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		3GPP TS 36.141 Clause 6.2.8	
		LTE eNodeB Operating Frequency Annex-F Clause 9.1.12	TEC ER No. TEC42722504
		LTE eNodeB Receiver Parameters 3GPP TS36.141. Annex-F3 Clause 9.1.13	TEC ER No. TEC42722504
		Receiver spurious emissions 3GPP TS36.141. Clause 7.7	TEC ER No. TEC42722504
		Blocking 3GPP TS36.141. Clause 7.6	TEC ER No. TEC42722504
		Receiver intermodulation 3GPP TS36.141. Clause 7.8	TEC ER No. TEC42722504
		Adjacent Channel Selectivity (ACS) and narrow-band blocking 3GPP TS36.141. Clause 7.5	TEC ER No. TEC42722504
		Reference sensitivity level 3GPP TS36.141. Clause 7.2	TEC ER No. TEC42722504
		LTE eNodeB Transmitter Parameters 3GPP TS36.141. Annex-F3 Clause 9.1.13	TEC ER No. TEC42722504
		Operating band unwanted emissions 3GPP TS36.141. Clause 6.6.3	TEC ER No. TEC42722504
		Adjacent Channel Leakage Power Ratio (ACLR) 3GPP TS36.141. Clause 6.6.2	TEC ER No. TEC42722504

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**Validity:** 19/12/2025 to 28/12/2027

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Transmitter spurious emissions 3GPP TS36.141. Clause 6.6.4	TEC ER No. TEC42722504
		Base station output power 3GPP TS36.141. Clause 6.2	TEC ER No. TEC42722504
		Transmitter intermodulation 3GPP TS36.141. Clause 6.7	TEC ER No. TEC42722504
		<b>Variant 11 : NodeB for WCDMA</b>	
		Home base station output power for adjacent channel protection 3GPP TS25.141. Annex-F2 (Clause 6.4.6) Clause 11.1.2	TEC ER No. TEC42722504
		WCDMA NodeB Operating Frequency Annex-F (NFAP) Clause 11.1.11	TEC ER No. TEC42722504
		WCDMA NodeB Receiver Parameters 3GPP TS25.141. Annex-F2 Clause 11.1.12	TEC ER No. TEC42722504
		Spurious Emissions 3GPP TS 25.141 Clause 7.7	TEC ER No. TEC42722504
		Blocking characteristics 3GPP TS 25.141 Clause 7.5	TEC ER No. TEC42722504
		Intermodulation characteristics 3GPP TS 25.141 Clause 7.6	TEC ER No. TEC42722504
		Adjacent Channel Selectivity (ACS) 3GPP TS 25.141 Clause 7.4	TEC ER No. TEC42722504
		Reference sensitivity level 3GPP TS 25.141 Clause 7.2	TEC ER No. TEC42722504

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**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s Nemko India (Test Lab) Pvt. Ltd., Faridabad  
Plot No. 193, Sector-68, IMT Faridabad, Haryana- 121004

**Certificate Number:** TEC/MRA/CAB/IND-D/19-I

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**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		WCDMA NodeB Transmitter Parameters	TEC ER No. TEC42722504
		3GPP TS25.141. Annex-F2 Clause 11.1.13	
		Spectrum emission mask	TEC ER No. TEC42722504
		3GPP TS 25.141 Clause 6.5.2.1	
		Adjacent Channel Leakage Power Ratio (ACLR) 3GPP TS 25.141 Clause 6.5.2.2	TEC ER No. TEC42722504
		Spurious emissions	TEC ER No. TEC42722504
		3GPP TS 25.141 Clause 6.5.3	
		Base station output power	TEC ER No. TEC42722504
		3GPP TS 25.141 Clause 6.2	
		Transmitter intermodulation	TEC ER No. TEC42722504
		3GPP TS 25.141 Clause 6.6	
	<b>Base Station 5G NR Type 1-C</b>	Adjacent Channel Leakage Power Ratio-5G NR 1-C	TEC ER No. TEC42722504
		3GPP TS 38.141-1 Clause 6.6.3.5.3	
		Adjacent Channel Selectivity-5G NR 1-C	TEC ER No. TEC42722504
		3GPP TS 38.141-1 Clause 7.4.1	
		Base station Operating Frequency Annex-F	TEC ER No. TEC42722504
		Base station output power-5G NR 1-C	TEC ER No. TEC42722504
		3GPP TS 38.141-1 Clause 6.2	
		In-band blocking-5G NR 1-C 3GPP TS 38.141-1 Clause 7.4.2	TEC ER No. TEC42722504

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Operating band unwanted emission-5G NR1-C 3GPP TS 38.141-1 Clause 6.6.4.5.7	TEC ER No. TEC42722504
		Out-of -Band blocking-5G NR 1-C 3GPP TS 38.141-1 Clause 7.5	TEC ER No. TEC42722504
		Receiver intermodulation-5G NR 1-C 3GPP TS 38.141-1 Clause 7.7	TEC ER No. TEC42722504
		Receiver spurious emissions-5G NR 1-C 3GPP TS 38.141-1 Clause 7.6.5.2	TEC ER No. TEC42722504
		Reference sensitivity level-5G NR 1-C 3GPP TS 38.141-1 Clause 7.2	TEC ER No. TEC42722504
		Transmitter intermodulation-5G NR 1-C 3GPP TS 38.141-1 Clause 6.7.5.1	TEC ER No. TEC42722504
		Transmitter spurious emissions-5G NR 1-C 3GPP TS 38.141-1 Clause 6.6.5.5.3	TEC ER No. TEC42722504
		<b>Base Station 5G NR Type 1-H</b> Adjacent Channel Leakage power Ratio-5GNR 1-H 3GPP TS 38.141-1 Clause 6.6.3.5.4	TEC ER No. TEC42722504
		Adjacent Channel Selectivity-5G NR 1-H 3GPP TS 38.141-1 Clause 7.4.1	TEC ER No. TEC42722504
		Base Station Operating Frequency Annex-F	TEC ER No. TEC42722504

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Base station output power-5G NR 1-H 3GPP TS 38.141-1 Clause 6.2	TEC ER No. TEC42722504
		In-Band Blocking- 5G NR 1-H 3GPP TS 38.141-1 Clause 7.4.2	TEC ER No. TEC42722504
		Operating Band Unwanted Emissions- 5G NR 1-H 3GPP TS 38.141-1 Clause 6.6.4.5.8	TEC ER No. TEC42722504
		Out-Of-Band Blocking-5G NR 1-H 3GPP TS 38.141-1 Clause 7.5	TEC ER No. TEC42722504
		Receiver intermodulation-5G NR 1-H 3GPP TS 38.141-1 Clause 7.7	TEC ER No. TEC42722504
		Receiver spurious emissions-5G NR 1-H 3GPP TS 38.141-1 Clause 7.6.5.3	TEC ER No. TEC42722504
		Reference sensitivity level-5G NR 1-H 3GPP TS 38.141-1 Clause 7.2	TEC ER No. TEC42722504
		Transmitter intermodulation-5G NR 1-H 3GPP TS 38.141-1 Clause 6.7.5.2	TEC ER No. TEC42722504
		Transmitter spurious emissions-5G NR 1-H 3GPP TS 38.141-1 Clause 6.6.5.5.4	TEC ER No. TEC42722504

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
7.	IoT Gateway	Interface 5 : 5G NR (FR1)	Int Parameters for 5G NR (FR1) 3GPP TS 38.521-1. Annex-F14 Clause 2.1.1	TEC ER No. TEC24492408
			Additional spectrum mask-Transmitter 3GPP TS 38.521-1 Clause 6.5.2.3	TEC ER No. TEC24492408
			Additional spectrum emission mask for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.2.3	TEC ER No. TEC24492408
			Additional spurious emissions 3GPP TS 38.521-1 Clause 6.5.3.3	TEC ER No. TEC24492408
			Additional spurious emissions for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.3.3	TEC ER No. TEC24492408
			Adjacent channel selectivity 3GPP TS 38.521-1 Clause 7.5	TEC ER No. TEC24492408
			Adjacent channel selectivity for 2DL CA 3GPP TS 38.521-1 Clause 7.5A.1	TEC ER No. TEC24492408
			Adjacent channel selectivity for UL-MIMO 3GPP TS 38.521-1 Clause 7.5D	TEC ER No. TEC24492408
			General spurious emissions-Transmitter 3GPP TS 38.521-1 Clause 6.5.3.1	TEC ER No. TEC24492408

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**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		General spurious emissions for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.3.1	TEC ER No. TEC24492408
		In-band Blocking for CA-2DL CA 3GPP TS 38.521-1 Clause 7.6A.2.1	TEC ER No. TEC24492408
		Inband Blocking 3GPP TS 38.521-1 Clause 7.6.2	TEC ER No. TEC24492408
		Inband blocking for UL-MIMO 3GPP TS 38.521-1 Clause 7.6D.2	TEC ER No. TEC24492408
		Minimum output power 3GPP TS 38.521-1 Clause 6.3.1	TEC ER No. TEC24492408
		Narrow band blocking 3GPP TS 38.521-1 Clause 7.6.4	TEC ER No. TEC24492408
		Narrow band blocking for CA-2DL CA 3GPP TS 38.521-1 Clause 7.6A.4.1	TEC ER No. TEC24492408
		Narrow band blocking for UL-MIMO 3GPP TS 38.521-1 Clause 7.6D.4	TEC ER No. TEC24492408
		NR ACLR 3GPP TS 38.521-1 Clause 6.5.2.4.1	TEC ER No. TEC24492408
		NR ACLR for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.2.4.1	TEC ER No. TEC24492408
		Out-of-band blocking 3GPP TS 38.521-1 Clause 7.6.3	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Out-of-band blocking for UL-MIMO 3GPP TS 38.521-1 Clause 7.6D.3	TEC ER No. TEC24492408
		Reference sensitivity power level 3GPP TS 38.521-1 Clause 7.3.2	TEC ER No. TEC24492408
		Reference sensitivity power level for 2DL CA without exception 3GPP TS 38.521-1 Clause 7.3A.1	TEC ER No. TEC24492408
		Reference sensitivity power level for UL-MIMO 3GPP TS 38.521-1 Clause 7.3D.2	TEC ER No. TEC24492408
		Spectrum Emission Mask-5G NR FR1 3GPP TS 38.521-1 Clause 6.5.2.2	TEC ER No. TEC24492408
		Spectrum emission Mask for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.2.2	TEC ER No. TEC24492408
		Spurious emission for 2DL CA 3GPP TS 38.521-1 Clause 7.9A.1	TEC ER No. TEC24492408
		Spurious emission for UE co-existence 3GPP TS 38.521-1 Clause 6.5.3.2	TEC ER No. TEC24492408
		Spurious emission for UE co-existence for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.3.2	TEC ER No. TEC24492408
		Spurious emissions-5G NR FR1 3GPP TS 38.521-1 Clause 7.9	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
		Spurious response 3GPP TS 38.521-1 Clause 7.7	TEC ER No. TEC24492408
		Spurious response for 2DL CA 3GPP TS 38.521-1 Clause 7.7A.1	TEC ER No. TEC24492408
		Spurious response for UL-MIMO 3GPP TS 38.521-1 Clause 7.7D	TEC ER No. TEC24492408
		UE Maximum Output Power 3GPP TS 38.521-1 Clause 6.2.1	TEC ER No. TEC24492408
		UE maximum output power for UL-MIMO 3GPP TS 38.521-1 Clause 6.2D.1	TEC ER No. TEC24492408
		UE maximum output power reduction for UL-MIMO 3GPP TS 38.521-1 Clause 6.2D.1	TEC ER No. TEC24492408
		UE maximum output power reduction for UL-MIMO 3GPP TS 38.521-1 Clause 6.2D.2	TEC ER No. TEC24492408
		UTRA ACLR 3GPP TS 38.521-1 Clause 6.5.2.4.2	TEC ER No. TEC24492408
		UTRA ACLR for UL MIMO 3GPP TS 38.521-1 Clause 6.5D.2.4.2	TEC ER No. TEC24492408
		Wide band Intermodulation 3GPP TS 38.521-1 Clause 7.8.2	TEC ER No. TEC24492408

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
			Wide band Intermodulation for CA-2DL CA 3GPP TS 38.521-1 Clause 7.8A.2.1	TEC ER No. TEC24492408
			Wide band Intermodulation for UL-MIMO 3GPP TS 38.521-1 Clause 7.8D.2	TEC ER No. TEC24492408
			Operating frequency for 5G NR (FR1) NFAP. Annex-F	TEC ER No. TEC24492408
8.	Private Automatic Branch Exchange (PABX)	Parameters Linked with Product Variant	SIP Parameters Set-A RFC 3261 Annex-P1	TEC ER No. TEC67292301
			RTP Terminal Set-A RFC 3550 Annex-P2	TEC ER No. TEC67292301
			IPv4 Parameters Set-A RFC 791 Annex-P6	TEC ER No. TEC67292301

Digitally signed by  
Buddha Priya Rahul  
Date: 19-12-2025  
13:11:45 (CA-II), TEC

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