



Date:

Information on IoT Device or Cellular Module

Type	☐ Cellular Module	☐ IoT Device
Module Vendor:		IoT Device Vendor:
Module Name		IoT Device Name:
Base Band Chipset Vendor:		Embedded Module Vendor:
Chipset Name:		Embedded Module Name:
Module Hardware Version:		IoT Hardware Version:
Module Software Version:		IoT Software Version:
3GPP Release:		Customization Version:

Shall your product be listed on our homepage? ☐ Yes ☐ No

Vodafone Innovation Park Reference customers: www.vodafone.de/innovationpark/en/references

Link to your product homepage:

Contact person of the customer

Name:

Address:

Email:

Phone:

Company:

Technical contact

Name:

Address:

Email:

Differed for hardware return

Name:

Address:

Email:

Shipping address

Vodafone GmbH

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Supported Frequency Bands

Area 2,5G

- ☐ Band 5 – 850MHz ☐ Band 8 – 900MHz ☐ Band 3 – 1800MHz ☐ Band 25 – 1900MHz

Area 3G

- ☐ Band 8 – 900MHz ☐ Band 1 – 2100MHz

Area 4G – Frequency Bands:

- | | |
|--|---|
| ☐ Band 1 (UL 1920 – 1980MHz, DL 2110 – 2170MHz) | ☐ Band 3 (UL 1710 – 1785MHz, DL 1805 – 1880MHz) |
| ☐ Band 4 (UL 1710 – 1755MHz, DL 2110 – 2155MHz) | ☐ Band 5 (UL 824 – 849MHz, DL 869 – 894MHz) |
| ☐ Band 7 (UL 2500 – 2570MHz, DL 2620 – 2690MHz) | ☐ Band 8 (UL 880 – 915MHz, DL 925 – 960MHz) |
| ☐ Band 17 (UL 704 – 716MHz, DL 734 – 746MHz) | ☐ Band 20 (UL 832 – 862MHz, DL 791 MHz – 821MHz) |
| ☐ Band 28 (UL 703 – 748MHz, DL 758 – 803MHz) | ☐ Band 32 (DL 1452 – 1496MHz) in DE, IT and UK |
| ☐ Band 38 LTE TDD (UL / DL 2570 – 2620MHz) | ☐ Band 42 LTE TTD (3400 – 3600MHz) in VF RO |

Area LTE – Evolution to 5G (are key bands in the evolution to 5G)

- ☐ Band 42 LTE TTD (3400 – 3600MHz) ☐ Band 43 LTE TTD (3600 – 3800MHz)

Area New Radio 5G – Core Radio Options – Device Priorities

- ☐ Option 3 ☐ Option 4 ☐ Option 5 ☐ Option 7x

NR Frequency Bands

- ☐ N78 (3,5GHz) ☐ N28 (700MHz) ☐ N3 (1800MHz)

LTE Anker

- ☐ Band 1 ☐ Band 3 ☐ Band 7 ☐ Band 20

3CA Freq. Band Combination:

4CA Freq. Band Combination:

Area LTE NB-IoT Frequencies

- | | |
|---|---|
| ☐ Band 3 (UL 1710 – 1785MHz, DL 1805 – 1880MHz) | ☐ Band 8 (UL 880 – 915MHz, DL 925 – 960MHz) |
| ☐ Band 20 (UL 832 – 862MHz, DL 791 MHz – 821MHz) | ☐ Band 28 (UL 703 – 748MHz, DL 758 – 803MHz) |

Area LTE Cat-M Frequency

- ☐ Band 20 (UL 832 – 862MHz, DL 791 MHz – 821MHz)



Feature Set

Area GPRS / EDGE

- ☐ Multislot Class 10 ☐ Multislot Class 12 ☐ Multislot Class 33
-

Area UMTS / HSPA +

- ☐ Cat DL: Throughput DL: Cat UL: Throughput UL:
-

Area LTE

- ☐ Cat 1:
☐ Cat DL: Throughput DL: Cat UL: Throughput UL:

Frequency Band Combination:

Voice / SMS / eCall

- ☐ Voice ☐ VoLTE ☐ VoWiFi
☐ SMS
☐ eCall
-

Area SIM

- ☐ Support of Proactive SIM Commands
☐ Remote SIM Provisioning (eUICC)
-

IPv6

- ☐ IPv6 ☐ IPv4v6 dual Stack



Test Setup Information

Number of Samples

- 3 Test Samples per each model are needed
- 1 Sample of each model should have an external SIM slot

Customized SIM in use

Vendor: Data throughput limit: DL UL
Format ☐ 2FF (Mini) ☐ 3FF (Micro) ☐ 4FF (Nano) ☐ Embedded

Antenna Connector

☐ Internal Antenna ☐ Internal Antenna connector – connection via RF-cable possible
☐ External Antenna Plug connector:

IoT – Device Setup

APN 1: Expected throughput: DL UL
APN 2: Expected throughput: DL UL

Operating System

☐ WIN10 ☐ Linux ☐ iOS ☐ Other:

Connection

☐ USB ☐ LAN ☐ Serial ☐ Other:
☐ Microphone ☐ Speaker

Power Supply

☐ External adapter ☐ Battery Typ:

Trace Software

☐ Yes ☐ No Comment:



Required Documents for Certification

TA 1.3	Complete GCF certification of the M2M Device (GCF lab test, GCF field trial and Device registration with GCF); certification of just the radio Module is not sufficient.	☐ Yes	☐ No
TA 1.15	Statement of reserved IMEI range for product and TAC code registered to supplier.	☐ Yes	☐ No

Documents and Tools

Following documents and tools have to be provided by the customer in advance of the certification process:

- FW Release Note
- FW Update Flash Instructions
- Sample Pictures with User Manual
- PICS/PIXIT List
- AT Command Specifications
- Modem Driver
- Preferred DMC Log Files, Manuals
- Data Sheet of the Product

Comment:

