

# Certificate

of  
Radio Equipment in JAPAN

No: 201-210264 / 00

Telefication, operating as Conformity Assessment Body (CAB ID Number: 201) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: **PanaCast 50**  
Trademark: **Jabra**  
Type designation: **VSM020**

Manufacturer: **GN Audio Japan Ltd.**  
Address: **Shinbashi M-SQUARE7 floor, 1-chome 10th No. 6, Shimbashi, Minato-ku, Tokyo, Japan.**  
City: **Tokyo**  
Country: **Japan**

This certificate is granted to:

Name: **GN Audio Japan Ltd.**  
Address: **Shinbashi M-SQUARE7 floor, 1-chome 10th No. 6, Shimbashi, Minato-ku, Tokyo, Japan.**  
City: **Tokyo**  
Country: **Japan**

This certificate has THREE Annexes.

Apeldoorn, 03 May 2021

**CAB**



David Chen  
Product Assessor





- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



**R** 201-210264

#### Remarks and observations

The following conditions are applicable:

Antennas for IEEE 802.11a/b/g/n/ac & Bluetooth:

PIFA antenna, max gain of 4.16 dBi at 2.4 GHz and max gain of 0.01 dBi at 5 GHz

## Documentation lodged for this type-examination

### Test Reports:

- DEKRA Testing and Certification Co., Ltd. (Linkou): 20C0767R-E3032140413, 23 March 2021
- DEKRA Testing and Certification Co., Ltd. (Linkou): 20C0767R-E3032140406, 23 March 2021
- DEKRA Testing and Certification Co., Ltd. (Linkou): 20C0767R-E3032140405, 23 March 2021
- DEKRA Testing and Certification Co., Ltd. (Linkou): 20C0767R-E3032140409, 23 March 2021

### Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

## Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions

Chapter II, Transmitting equipment

Chapter III, Receiving Equipment

Chapter IV, section 4.17 article 49.20

Radio equipment specified in:

Item 19, Paragraph 1, Article 2

Item 19-3, Paragraph 1, Article 2

## Technical features and characteristics

The product includes the following features and characteristics:

### Bluetooth (incl. AFH)

- Operating frequency range: 2402-2480 MHz (79 channels)
- ITU designation: 78M3 F1D,G1D
- Maximum output power: 0.226 mW/MHz rated

### Bluetooth LE\_1M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M23 F1D
- Maximum output power: 3.250 mW rated

### Bluetooth LE\_2M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M16 F1D
- Maximum output power: 3.250 mW rated

### IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 14M0 G1D
- Maximum output power: 1.592 mW/MHz rated

### IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M9 D1D,G1D
- Maximum output power: 2.417 mW/MHz rated

### IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M0 D1D,G1D
- Maximum output power: 1.752 mW/MHz rated

### IEEE 802.11n 40 MHz

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 36M1 D1D,G1D
- Maximum output power: 0.910 mW/MHz rated

### IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 16M8 D1D,G1D
- Maximum output power: 1.470 mW/MHz rated

### IEEE 802.11n 20 MHz

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 1.740 mW/MHz rated

### IEEE 802.11n 40 MHz

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M2 D1D,G1D
- Maximum output power: 0.700 mW/MHz rated

### IEEE 802.11ac (VHT80)

- Operating frequency range: 5210-5210 MHz
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.290 mW/MHz rated



**IEEE 802.11a**

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 16M7 D1D,G1D
- Maximum output power: 1.480 mW/MHz rated

**IEEE 802.11n 20 MHz**

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 1.730 mW/MHz rated

**IEEE 802.11n 40 MHz**

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M2 D1D,G1D
- Maximum output power: 0.660 mW/MHz rated

**IEEE 802.11ac (VHT80)**

- Operating frequency range: 5290-5290 MHz
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.221 mW/MHz rated

**IEEE 802.11a**

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 16M8 D1D,G1D
- Maximum output power: 1.800 mW/MHz rated

**IEEE 802.11n 20 MHz**

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 1.770 mW/MHz rated

**IEEE 802.11n 40 MHz**

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: 36M2 D1D,G1D
- Maximum output power: 0.770 mW/MHz rated

**IEEE 802.11ac (VHT80)**

- Operating frequency range: 5530-5690 MHz (3 channels)
- ITU designation: 75M6 D1D,G1D
- Maximum output power: 0.310 mW/MHz rated



The product as described in this Certificate includes the following type designations:

- Product description: PanaCast 50
- Trademark: Jabra
- Type designation: VSM020