

Zepcam B.V.

TEST REPORT

SCOPE OF WORK

FCC Testing – T3

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FCC

RF Test Report

For

Zepcam B.V.

BODY CAMERA

Model: T3

Brand Name: ZEPCAM

FCC ID: 2BOX9-T3BC03A

Sample ID: Z250428053-001

Report No: 250428053SZN-003

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1. Summary of Test Result

| | |
|----------------|---|
| Applicant: | Zepcam B.V. |
| Address: | Hogeweg 29, Zaltbommel, Gelderland, Netherlands |
| Product name: | BODY CAMERA |
| Model Number: | T3 |
| FCC ID: | 2BOX9-T3BC03A |
| Report number: | 250428053SZN-003 |
| Date of Test | 28 April 2025 to 30 May 2025 |

The above equipment was tested by Intertek Testing Services Shenzhen Ltd. Longhua Branch. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI 63.26:2015, FCC KDB 971168 D01, FCC KDB 971168 D02 and FCC KDB 412172 D01. This device is in compliance with FCC rules as follows:

47 CFR FCC Part 02:2023

47 CFR FCC Part 22:2023

47 CFR FCC Part 24:2023

47 CFR FCC Part 27:2023

47 CFR FCC Part 90:2023

The test results of this report relate only to the tested sample identified in this report.

1.1 Band 2 PCS Band (1850-1910MHz paired with 1930-1990MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|------------------|--|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §24.232 | EIRP ≤ 2 W | Appendix A | Pass |
| Peak-to-Average Ratio | §2.1046, §24.232 | Limit ≤ 13 dB | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §24.238 | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §24.238 | ≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §24.238 | ≤ -13 dBm/1 MHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §24.235 | ≤ ±2.5 ppm. | Appendix H | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.2 AWS Band (1710-1755MHz paired with 2110-2155MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|--|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(d) | EIRP ≤ 1 W | Appendix A | Pass |
| Peak-to-Average Ratio | §2.1046, §27.50(d) | Limits ≤ 13 dB | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §27.53(h) | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(h) | ≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §27.53(h) | ≤ -13 dBm/1 MHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §27.54 | ≤ ±2.5 ppm. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.3 Band 5 Cellular Band (824-849MHz paired with 869-894MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|--|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §2.913 | FCC: ERP \leq 7 W. | Appendix A | Pass |
| Peak-to-Average Ratio | -- | -- | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §2.917 | \leq -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §2.917 | FCC: \leq -13 dBm/100 kHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §2.917 | FCC: \leq -13 dBm/100 kHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §2.355 | \leq \pm 2.5ppm. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.4 Band 12 (699-716MHz paired with 729-746 MHz)

| Test Item | FCC Rule No | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|---|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(c) | FCC: ERP ≤ 3 W. | Appendix A | Pass |
| Peak-to-Average Ratio | -- | -- | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051 | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(g) | FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §27.53(g) | FCC: ≤ -13 dBm/100 kHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §27.54 | ≤ ±2.5ppm. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.5 Band 13 (777-787MHz paired with 746-756 MHz)

| Test Item | FCC Rule No | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|---|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §27.50(c) | FCC: ERP ≤ 3 W. | Appendix A | Pass |
| Peak-Average Ratio | -- | -- | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1047 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1049, | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(g) | FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1051, §27.53(g) | FCC: ≤ -13 dBm/100 kHz. | Appendix G | Pass |
| Frequency Stability | §2.1053, §27.53(g) | ≤ ±2.5ppm. | Appendix H | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.6 Band 14 (777-787MHz paired with 746-756 MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|--|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(c) | FCC: ERP \leq 3 W. | Appendix A | Pass |
| Peak-to-Average Ratio | -- | -- | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §27.53(g) | \leq -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(g) | FCC: \leq -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §27.53(g) | FCC: \leq -13 dBm/100 kHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §27.54 | $\leq \pm 2.5\text{ppm}$. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.7 Band 66 (1710-1780MHz paired with 2110-2180MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|--|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(d) | EIRP ≤ 1 W | Appendix A | Pass |
| Peak-to-Average Ratio | §2.1046, §27.50(d) | Limit≤13 dB | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §27.53(h) | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(h) | ≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §27.53(h) | ≤ -13 dBm/1 MHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §27.54 | ≤ ±2.5 ppm. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

1.8 Band 71 (663-698MHz paired with 617-652MHz)

| Test Item | FCC Rule No. | Requirements | Test Result | Verdict (Note1) |
|--|--------------------|---|-------------|-----------------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §27.50(c) | EIRP ≤ 3 W | Appendix A | Pass |
| Peak-to-Average Ratio | §2.1046, §27.50(d) | Limit≤13 dB | Appendix B | Pass |
| Modulation Characteristics | §2.1047 | Digital modulation | Appendix C | Pass |
| Bandwidth | §2.1049 | OBW: No limit. EBW: No limit. | Appendix D | Pass |
| Band Edges Compliance | §2.1051, §27.53(g) | ≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | Appendix E | Pass |
| Spurious Emission at Antenna Terminals | §2.1051, §27.53(g) | FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges. | Appendix F | Pass |
| Field Strength of Spurious Radiation | §2.1053, §27.53(g) | FCC: ≤ -13 dBm/100 kHz. | Chapter 6 | Pass |
| Frequency Stability | §2.1055, §27.54 | ≤ ±2.5 ppm. | Appendix G | Pass |

Note1: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

2. General Description

2.1 Product Description

T3 is subscriber equipment in the UMTS/LTE system. The UMTS frequency band is Band 2/4/5. The LTE frequency band is Band2/4/5/12/13/14/66/71. The device implements such functions as RF signal receiving/ transmitting, LTE/UMTS protocol processing. Externally it provides USIM card interface. The EUT is powered by DC 3.8V from battery. For more detailed features description, please refer to the user's manual.

2.2 Test Facility

| | |
|--------------------------|---|
| Company Name: | Intertek Testing Service Shenzhen Ltd. Longhua Branch |
| Address: | 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen, P.R. China. |
| FCC Registration Number: | CN1188 |

2.3 Test Environment Condition

| | |
|----------------------------|----------------|
| Ambient Temperature: | 19.5 to 25 °C |
| Ambient Relative Humidity: | 40 to 55 % |
| Atmospheric Pressure: | Not applicable |

2.4 Sub-Assembly

| Description | Manufacturer | Model No. |
|---|--------------|---|
| Adaptor (Provided by applicant) | N/A | Model: XS12-050200U Input: 100-240V~, 50/60Hz, 0.5A Output: 5.0V=2.0A |
| USB-A to USB-C Cable (Provided by applicant) | N/A | Length: 120cm, shielded, without ferrite core |

2.5 Technical Specification

| Characteristics | Description | |
|-----------------------------|---|---|
| Radio System Type | UMTS/LTE | |
| Supported Frequency Range | WCDMA850 | Transmission (TX): 824 to 849 MHz Receiving (RX): 869 to 894 MHz |
| | WCDMA1900 | Transmission (TX): 1850 to 1910 MHz Receiving (RX): 1930 to 1990 MHz |
| | WCDMA1700 | Transmission (TX): 1710 to 1755 MHz Receiving (RX): 2110 to 2155 MHz |
| | LTE BAND2 | Transmission (TX): 1850 to 1910 MHz Receiving (RX): 1930 to 1990 MHz |
| | LTE BAND4 | Transmission (TX): 1710 to 1755 MHz Receiving (RX): 2110 to 2155 MHz |
| | LTE BAND5 | Transmission (TX): 824 to 849 MHz Receiving (RX): 869 to 894 MHz |
| | LTE BAND12 | Transmission (TX): 699 to 716 MHz Receiving (RX): 729 to 746 MHz |
| | LTE BAND13 | Transmission (TX): 777 to 787 MHz Receiving (RX): 746 to 756 MHz |
| | LTE BAND14 | Transmission (TX): 788 to 798 MHz Receiving (RX): 758 to 768 MHz |
| | LTE BAND66 | Transmission (TX): 1710 to 1780 MHz Receiving (RX): 2110 to 2180 MHz |
| | LTE BAND71 | Transmission (TX): 663 to 698 MHz Receiving (RX): 617 to 652 MHz |
| | TX & RX port: | 1 |
| TX and RX Antenna Ports | TX-only port: | 0 |
| | RX-only port: | 1 |
| | | |
| Target TX Output Power | UMTS850: 15.0dBm UMTS1700: 16.5dBm UMTS1900: 24.5dBm LTE BAND2: 19.0dBm LTE BAND4: 17.5dBm LTE BAND5: 24.0dBm LTE BAND12: 25.0dBm LTE BAND13: 25.0dBm LTE BAND14: 25.0dBm LTE BAND66: 15.5dBm LTE BAND71: 24.0dBm | |
| Antenna Gain: | UMTS850: -6.87dBi UMTS1700: 1.51dBi UMTS1900: 1.32dBi LTE BAND2: 1.32dBi LTE BAND4: 1.51dBi LTE BAND5: -6.87dBi LTE BAND12: -11.14dBi LTE BAND13: -7.24dBi LTE BAND14: -7.24dBi LTE BAND66: 1.51dBi LTE BAND71: -15.49dBi | |
| Supported Channel Bandwidth | LTE band 2 | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | LTE band 4 | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | LTE band 5 | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz |
| | LTE band 12 | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz |
| | LTE band 13 | 5 MHz, 10 MHz |
| | LTE band 14 | 5 MHz, 10 MHz |
| | LTE band 66 | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |

| Characteristics | Description | |
|---|-------------|--|
| | LTE band 71 | 5MHz, 10MHz, 15MHz, 20MHz |
| | UMTS850: | 4M22F9W |
| | UMTS1700: | 4M20F9W |
| | UMTS1900: | 4M21F9W |
| Designation of Emissions (Note: the necessary bandwidth of which is the worst value from the measured occupied bandwidths for each type of channel bandwidth configuration.) | LTE BAND2: | 1M09G7D (1.4 MHz QPSK modulation), 1M08W7D (1.4 MHz 16QAM modulation) 2M69G7D (3 MHz QPSK modulation), 2M70W7D (3 MHz 16QAM modulation) 4M49G7D (5 MHz QPSK modulation), 4M50W7D (5 MHz 16QAM modulation) 8M95G7D (10 MHz QPSK modulation), 8M95W7D (10 MHz 16QAM modulation) 13M4G7D (15 MHz QPSK modulation), 13M4W7D (15 MHz 16QAM modulation) 17M9G7D (20 MHz QPSK modulation), 17M9W7D (20 MHz 16QAM modulation) |
| | LTE BAND4: | 1M09G7D (1.4 MHz QPSK modulation), 1M08W7D (1.4 MHz 16QAM modulation) 2M69G7D (3 MHz QPSK modulation), 2M69W7D (3 MHz 16QAM modulation) 4M50G7D (5 MHz QPSK modulation), 4M51W7D (5 MHz 16QAM modulation) 8M98G7D (10 MHz QPSK modulation), 8M98W7D (10 MHz 16QAM modulation) 13M4G7D (15 MHz QPSK modulation), 13M4W7D (15 MHz 16QAM modulation) 17M9G7D (20 MHz QPSK modulation), 17M9W7D (20 MHz 16QAM modulation) |
| | LTE BAND5: | 1M09G7D (1.4 MHz QPSK modulation), 1M08W7D (1.4 MHz 16QAM modulation) 2M69G7D (3 MHz QPSK modulation), 2M69W7D (3 MHz 16QAM modulation) 4M49G7D (5 MHz QPSK modulation), 4M50W7D (5 MHz 16QAM modulation) 8M98G7D (10 MHz QPSK modulation), 8M98W7D (10 MHz 16QAM modulation) |
| | LTE BAND12: | 1M09G7D (1.4 MHz QPSK modulation), 1M08W7D (1.4 MHz 16QAM modulation) 2M70G7D (3 MHz QPSK modulation), 2M70W7D (3 MHz 16QAM modulation) 4M50G7D (5 MHz QPSK modulation), 4M51W7D (5 MHz 16QAM modulation) 8M98G7D (10 MHz QPSK modulation), 8M98W7D (10 MHz 16QAM modulation) |
| | LTE BAND13: | 4M49G7D (5 MHz QPSK modulation), 4M50W7D (5 MHz 16QAM modulation) 8M91G7D (10 MHz QPSK modulation), 8M91W7D (10 MHz 16QAM modulation) |
| | LTE BAND14: | 4M50G7D (5 MHz QPSK modulation), 4M50W7D (5 MHz 16QAM modulation) 8M95G7D (10 MHz QPSK modulation), 8M95W7D (10 MHz 16QAM modulation) |
| | LTE BAND66: | 1M09G7D (1.4 MHz QPSK modulation), 1M08W7D (1.4 MHz 16QAM modulation) 2M70G7D (3 MHz QPSK modulation), 2M69W7D (3 MHz 16QAM modulation) 4M49G7D (5 MHz QPSK modulation), 4M51W7D (5 MHz 16QAM modulation) |

| Characteristics | Description |
|-----------------|--|
| | 8M98G7D (10 MHz QPSK modulation), 8M95W7D (10 MHz 16QAM modulation) 13M4G7D (15 MHz QPSK modulation), 13M4W7D (15 MHz 16QAM modulation) 17M9G7D (20 MHz QPSK modulation), 17M9W7D (20 MHz 16QAM modulation) |
| LTE BAND71: | 4M49G7D (5 MHz QPSK modulation), 4M50W7D (5 MHz 16QAM modulation) 8M98G7D (10 MHz QPSK modulation), 8M98W7D (10 MHz 16QAM modulation) 13M4G7D (15 MHz QPSK modulation), 13M4W7D (15 MHz 16QAM modulation) 18M0G7D (20 MHz QPSK modulation), 18M0W7D (20 MHz 16QAM modulation) |

3. General Test Conditions/Configuration

3.1 Test Modes

| Test Mode | Test Modes Description |
|-----------|-------------------------------|
| UMTS/TM1 | WCDMA system, QPSK modulation |
| UMTS/TM2 | HSDPA system, QPSK modulation |
| UMTS/TM3 | HSUPA system, QPSK modulation |
| LTE/TM1 | LTE system, QPSK modulation |
| LTE/TM2 | LTE system, 16QAM modulation |

3.2 Test Environment

| Environment Parameter | Selected Values During Tests | |
|-----------------------|------------------------------|---------|
| Relative Humidity | Ambient | |
| Temperature | TN | Ambient |
| Voltage | VL | 3.23V |
| | VN | 3.8V |
| | VH | 4.37V |

NOTE: VL= lower extreme test voltage, VN= nominal voltage, VH= upper extreme test voltage
TN= normal temperature

3.3 Test Frequency

| Test Mode | TX / RX | RF Channel | | |
|-----------|---------|--------------|--------------|--------------|
| | | Low (L) | Middle (M) | High (H) |
| WCDMA850 | TX | Channel 4132 | Channel 4182 | Channel 4233 |
| | | 826.4MHz | 836.4MHz | 846.6MHz |
| WCDMA1900 | TX | Channel 9262 | Channel 9400 | Channel 9538 |
| | | 1852.4MHz | 1880.0MHz | 1907.6MHz |
| WCDMA1700 | TX | Channel1312 | Channel1413 | Channel1513 |
| | | 1712.4MHz | 1732.6MHz | 1752.6MHz |

| Test Mode | TX / RX | RF Channel | | |
|-------------|----------|---------------|---------------|---------------|
| | | Low (B) | Middle (M) | High (T) |
| LTE Band 2 | TX(1.4M) | Channel 18607 | Channel 18900 | Channel 19193 |
| | | 1850.7 MHz | 1880 MHz | 1909.3 MHz |
| | TX(3M) | Channel 18615 | Channel 18900 | Channel 19185 |
| | | 1851.5 MHz | 1880 MHz | 1908.5 MHz |
| | TX(5M) | Channel 18625 | Channel 18900 | Channel 19175 |
| | | 1852.5 MHz | 1880 MHz | 1907.5 MHz |
| | TX(10M) | Channel 18650 | Channel 18900 | Channel 19150 |
| | | 1855 MHz | 1880 MHz | 1905 MHz |
| | TX(15M) | Channel 18675 | Channel 18900 | Channel 19125 |
| | | 1857.5 MHz | 1880 MHz | 1902.5 MHz |
| | TX(20M) | Channel 18700 | Channel 18900 | Channel 19100 |
| | | 1860 MHz | 1880 MHz | 1900 MHz |
| LTE Band 4 | TX(1.4M) | Channel 19957 | Channel 20175 | Channel 20393 |
| | | 1710.7 MHz | 1732.5 MHz | 1754.3 MHz |
| | TX(3M) | Channel 19965 | Channel 20175 | Channel 20385 |
| | | 1711.5 MHz | 1732.5 MHz | 1753.5 MHz |
| | TX(5M) | Channel 19975 | Channel 20175 | Channel 20375 |
| | | 1712.5 MHz | 1732.5 MHz | 1752.5 MHz |
| | TX(10M) | Channel 20000 | Channel 20175 | Channel 20350 |
| | | 1715 MHz | 1732.5 MHz | 1750 MHz |
| | TX(15M) | Channel 20025 | Channel 20175 | Channel 20325 |
| | | 1717.5 MHz | 1732.5 MHz | 1747.5 MHz |
| | TX(20M) | Channel 20050 | Channel 20175 | Channel 20300 |
| | | 1720 MHz | 1732.5 MHz | 1745 MHz |
| LTE Band 5 | TX(1.4M) | Channel 20407 | Channel 20525 | Channel 20643 |
| | | 824.7 MHz | 836.5 MHz | 848.3 MHz |
| | TX(3M) | Channel 20415 | Channel 20525 | Channel 20635 |
| | | 825.5 MHz | 836.5 MHz | 847.5 MHz |
| | TX(5M) | Channel 20425 | Channel 20525 | Channel 20625 |
| | | 826.5 MHz | 836.5 MHz | 846.5 MHz |
| | TX(10M) | Channel 20450 | Channel 20525 | Channel 20600 |
| | | 829 MHz | 836.5 MHz | 844 MHz |
| LTE Band 12 | TX(1.4M) | Channel 23017 | Channel 23095 | Channel 23173 |
| | | 699.7 MHz | 707.5 MHz | 715.3 MHz |
| | TX(3M) | Channel 23025 | Channel 23095 | Channel 23165 |
| | | 700.5 MHz | 707.5 MHz | 714.5 MHz |
| | TX(5M) | Channel 23035 | Channel 23095 | Channel 23155 |
| | | 701.5 MHz | 707.5 MHz | 713.5 MHz |
| | TX(10M) | Channel 23060 | Channel 23095 | Channel 23130 |
| | | 704 MHz | 707.5 MHz | 711 MHz |
| LTE Band 13 | TX(5M) | Channel 23205 | Channel 23230 | Channel 23255 |
| | | 779.5MHz | 782MHz | 784.5MHz |
| | TX(10M) | / | Channel 23230 | / |
| | | / | 782 MHz | / |

| LTE Band 14 | TX(5M) | Channel 23305 | Channel 23330 | Channel 23355 |
|-------------|----------|----------------|----------------|----------------|
| | | 790.5MHz | 793MHz | 795.5MHz |
| | TX(10M) | / | Channel 23330 | / |
| | | / | 793 MHz | / |
| LTE Band 66 | TX(1.4M) | Channel 131979 | Channel 132322 | Channel 132665 |
| | | 1710.7 MHz | 1745.0 MHz | 1779.3 MHz |
| | TX(3M) | Channel 131987 | Channel 132322 | Channel 132657 |
| | | 1711.5 MHz | 1745.0 MHz | 1778.5 MHz |
| | TX(5M) | Channel 131997 | Channel 132322 | Channel 132647 |
| | | 1712.5 MHz | 1745.0 MHz | 1777.5 MHz |
| | TX(10M) | Channel 132022 | Channel 132322 | Channel 132622 |
| | | 1715 MHz | 1745.0 MHz | 1775.0 MHz |
| LTE Band 71 | TX(15M) | Channel 132047 | Channel 132322 | Channel 132597 |
| | | 1717.5 MHz | 1745.0 MHz | 1772.5 MHz |
| | TX(20M) | Channel 132072 | Channel 132322 | Channel 132572 |
| | | 1720 MHz | 1745.0 MHz | 1770.0 MHz |
| LTE Band 71 | TX(5M) | Channel 133147 | Channel 133297 | Channel 133447 |
| | | 665.5 MHz | 680.5 MHz | 695.5 MHz |
| | TX(10M) | Channel 133172 | Channel 133297 | Channel 133422 |
| | | 668 MHz | 680.5 MHz | 693 MHz |
| | TX(15M) | Channel 133197 | Channel 133297 | Channel 133397 |
| | | 670.5 MHz | 680.5 MHz | 690.5 MHz |
| | TX(20M) | Channel 133222 | Channel 133322 | Channel 133372 |
| | | 673 MHz | 683 MHz | 688 MHz |

4. DESCRIPTION OF TESTS

4.1 Radiated Power and Radiated Spurious Emissions

Radiated spurious emissions are investigated indoors in a semi-anechoic chamber to determine the frequencies producing the worst case emissions. Final measurements for radiated power and radiated spurious emissions are performed on the 3 meter OATS per the guidelines of ANSI C63.26-2015. The equipment under test was transmitting while connected to its integral antenna and is placed on a wooden turntable 80cm above the ground plane and 3 meters from the receive antenna. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer. Emissions are also investigated with the receive antenna horizontally and vertically polarized.

A portable or small unlicensed wireless device shall be placed on a non-metallic test fixture or other non-metallic support during testing. The supporting fixture shall permit orientation of the EUT in each of three orthogonal (x, y, z) axis positions such that emissions from the EUT are maximized. Measure the EUT maximum RF power and record the result.

A half-wave dipole is then substituted in place of the EUT. For emissions above 3GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT.

The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]}$$

Where, P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to P_g [dBm] – cable loss [dB].

The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

Test Procedures Used

971168 D01 v03r01 -Section 5.2 / 971168 D01 v03r01 -Section 5.8

ANSI C63.26 §5.2 / ANSI C63.26 §5.5/ ANSI C63.26 §6.4

Note: Reference test setup 3

4.2 Peak-to-Average Ratio

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. The traces are generated with the spectrum analyzer set to zero span mode.

Test Procedures Used

971168 D01 v03r01 -Section 5.7

ANSI C63.26 §5.2

Test Settings

1. The signal analyzer's CCDF measurement profile enabled
2. Frequency = carrier center frequency
3. Measurement BW > EBW of signal
4. for continuous transmissions, set to 1ms
5. Record the maximum PAPR level associated with a probability of 0.1%. Note: Reference test setup 1

4.3 Occupied Bandwidth

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1 percent of the selected span as is possible without being below 1 percent. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual. The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 percent of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded. The span between the two recorded frequencies is the occupied bandwidth.

Test Procedures Used

971168 D01 v03r01 -Section 4.3

ANSI C63.26 §5.4

Test Settings

1. SET RBW=1-5% of OBW
2. SET VBW \geq 3*RBW
3. Detector: Peak
4. Trace mode= max hold.
5. Sweep= auto couple
6. Steps 1-5 were repeated after it is stable

Note: Reference test setup 1.

4.4 Band Edge Compliance

the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission power must be attenuated below the transmitting power (P) by a factor of at least $43+10\log_{10}P$ dB.

Test Procedures Used

971168 D01 v03r01 -Section 6

ANSI C63.26 §5.7/ ANSI C63.26 §6.4

Test Settings

1. SET RBW \geq 1% of Emission BW.
2. SET VBW about three times of RBW
3. Detector: RMS
4. Trace mode= max hold.
5. Span= 2MHz

Note: Reference test setup 1.

4.5 Spurious and Harmonic Emissions at Antenna Terminal

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least

$43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission is attenuated at least 26 dB below the transmitter power.

Test Procedures Used

KDB 971168 v03r01-Section 6.0

Test Settings

1. 9kHz~150kHz, RBW = 1KHz, VBW $\geq 3 \times$ RBW,
150kHz~30MHz, RBW = 10KHz, VBW $\geq 3 \times$ RBW,
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz.
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.
2. Detector: Peak
3. Trace mode= max hold.

Note: Reference test setup 1.

4.6 Frequency Stability / Temperature Variation

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from 0°C to +40°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Specification – The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Time Period and Procedure:

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from 0°C to +40°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Procedures Used

971168 D01 v03r01 -Section 9

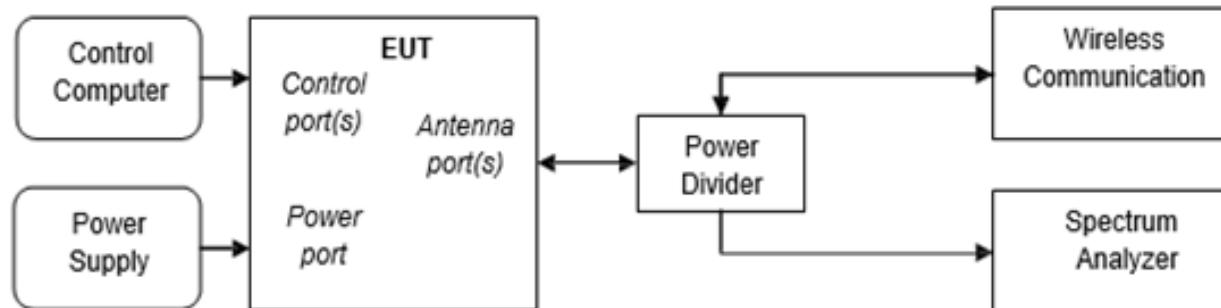
ANSI C63.26 §5.6

Note: Reference test setup 2.

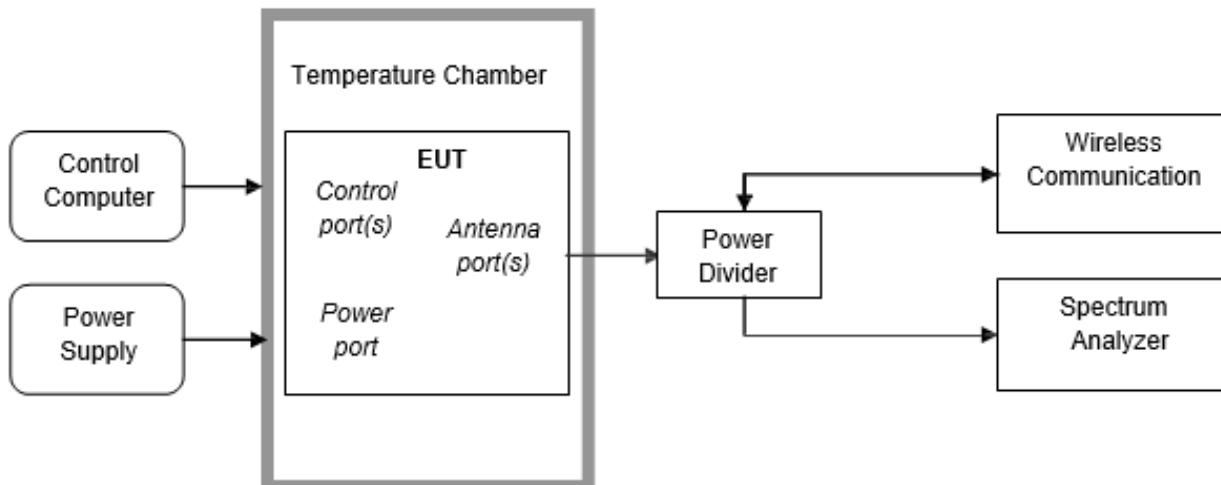
There is no transmission when the EUT operates at the test temperature condition: 0°C.

5. Test Setups

5.1 Test Setup 1



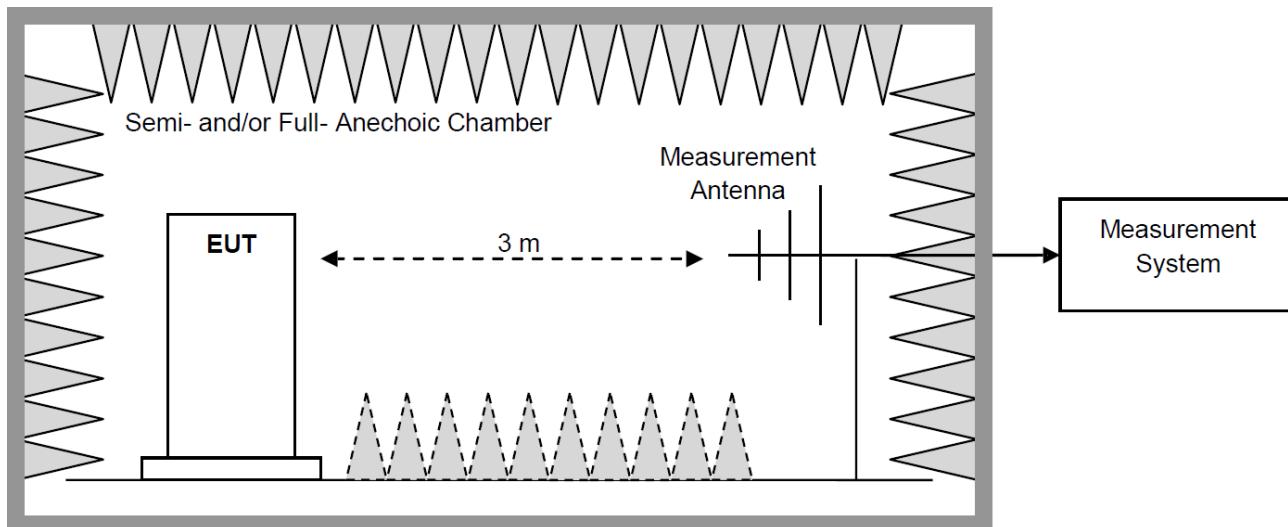
5.2 Test Setup 2



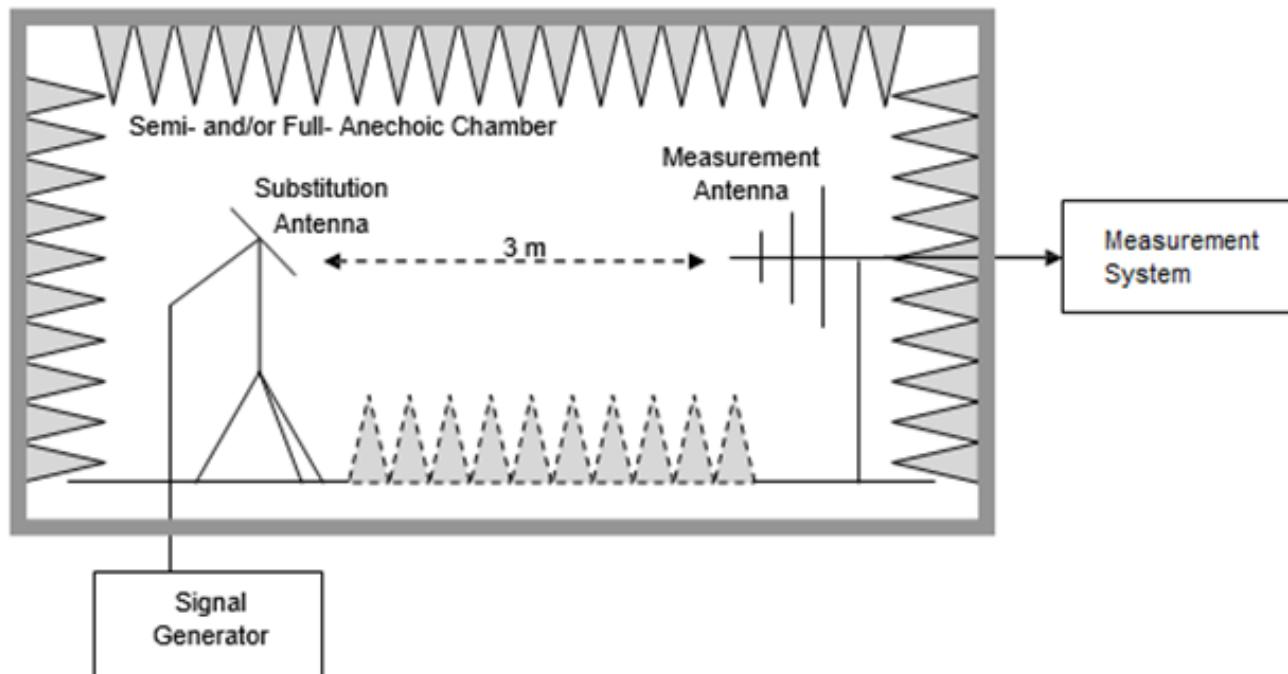
5.3 Test Setup 3

NOTE: Effective radiated power (ERP) and Equivalent Isotropic Radiated Power (EIRP) refers to the radiation power output of the EUT, assuming all emissions are radiated from half-wave dipole antennas.

5.3.1 Step 1: Pre-test



5.3.2 Step 2: Substitution method to verify the maximum ERP/EIRP



5.4 Test Conditions

| Test Case | | Test Conditions | | |
|---|---|---------------------|---|--|
| Transmit Output Power Data | Average Power, Total | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| | Average Power, Spectral Density (if required) | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| Peak-to-Average Ratio (if required) | | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| Modulation Characteristics | | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| Bandwidth | Occupied Bandwidth | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| | Emission Bandwidth (if required) | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| Band Edges Compliance | | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |
| Spurious Emission at Antenna Terminals | | Test Env. | Ambient Climate & Rated Voltage | |
| | | Test Setup | Test Setup 1 | |
| | | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) | |
| | | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 | |

| Test Case | Test Conditions | |
|--------------------------------------|------------------|---|
| Field Strength of Spurious Radiation | Test Env. | Ambient Climate & Rated Voltage |
| | Test Setup | Test Setup 3 |
| | Test Mode | UMTS/TM1/TM2/TM3, LTE/TM1/TM2 NOTE: If applicable, the EUT conf. that has maximum power density (based on the equivalent power level) is selected. |
| | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) |
| Frequency Stability | Test Env. | (1) 0 °C to +40 °C with step 10 °C at Rated Voltage; (2) VL, VN and VH of Rated Voltage at Ambient Climate. |
| | Test Setup | Test Setup 2 |
| | RF Channels (TX) | L, M, H (L= low channel, M= middle channel, H= high channel) |
| | Test Mode | UMTS/TM1, LTE/TM1, LTE/TM2 |

6. Test Results

6.1 Field Strength of Spurious

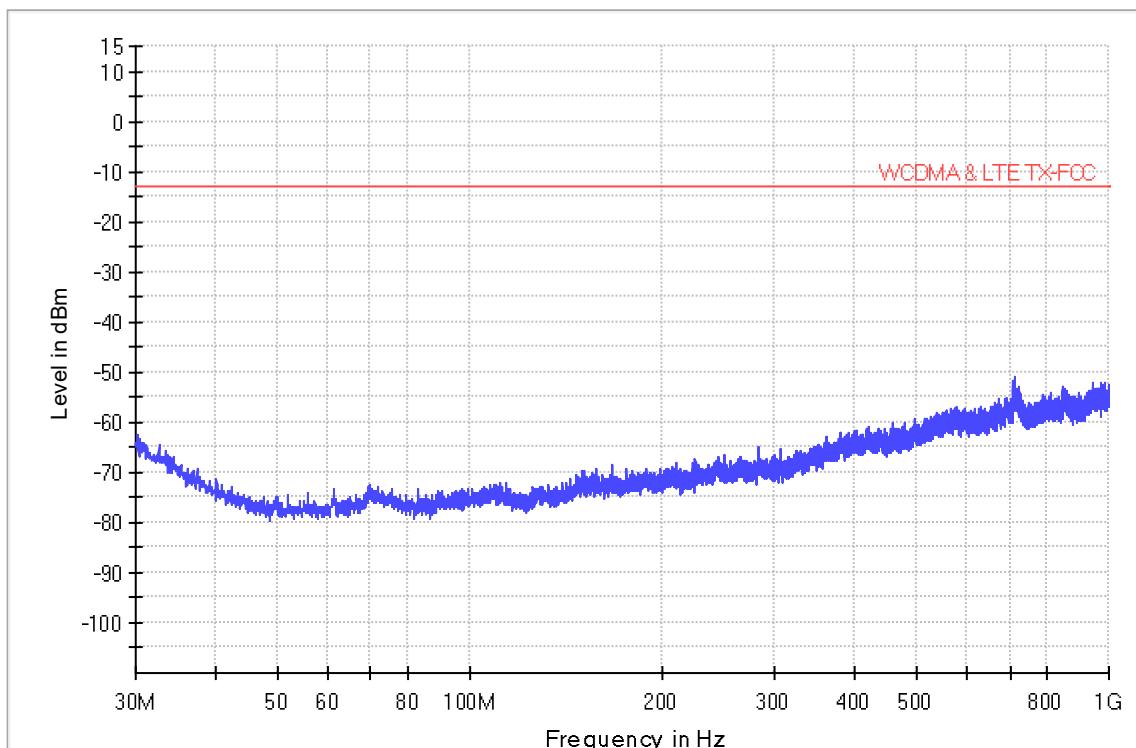
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA1900)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

Applicant: Zepcam B.V.

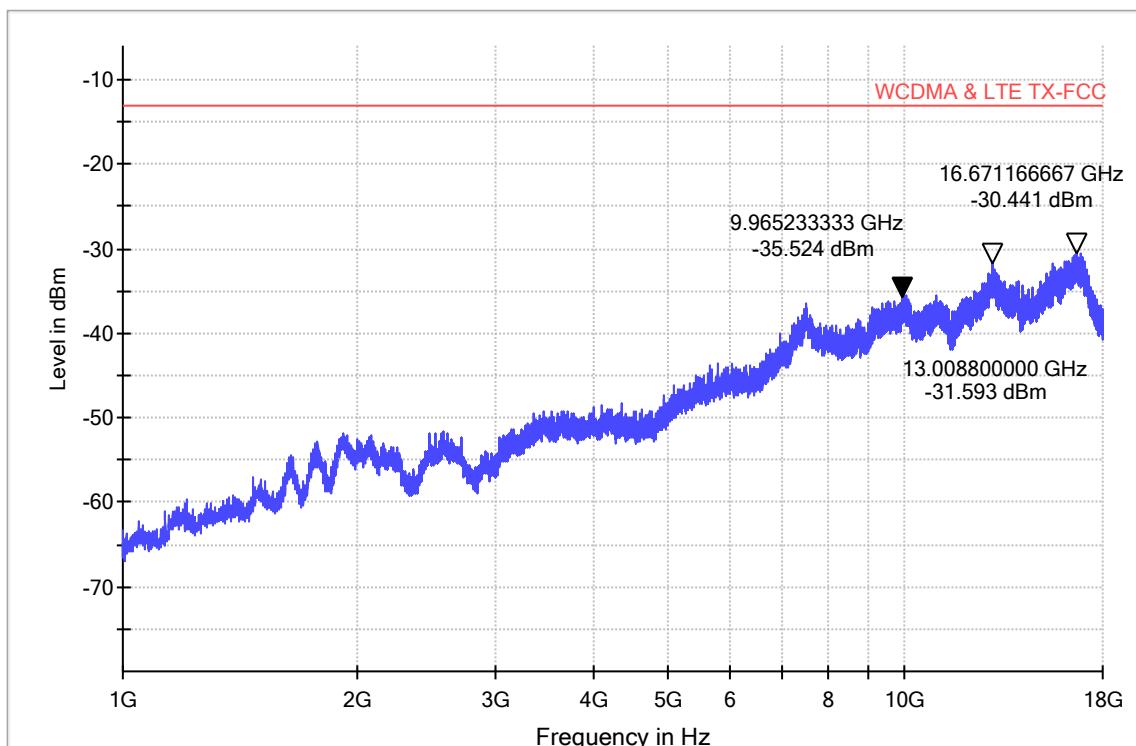
Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA1900)

Worst Case ANT Polarity: Horizontal

WCDMA & LTE TX FCC 1-12.75G dBm



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

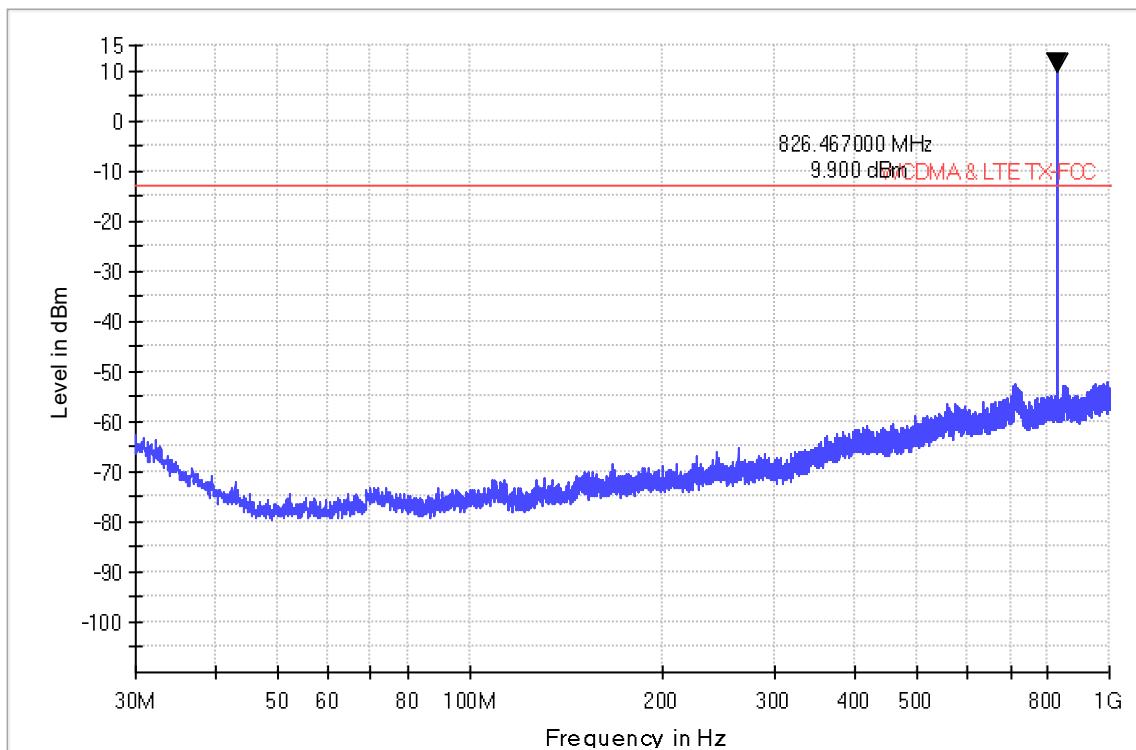
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA850)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

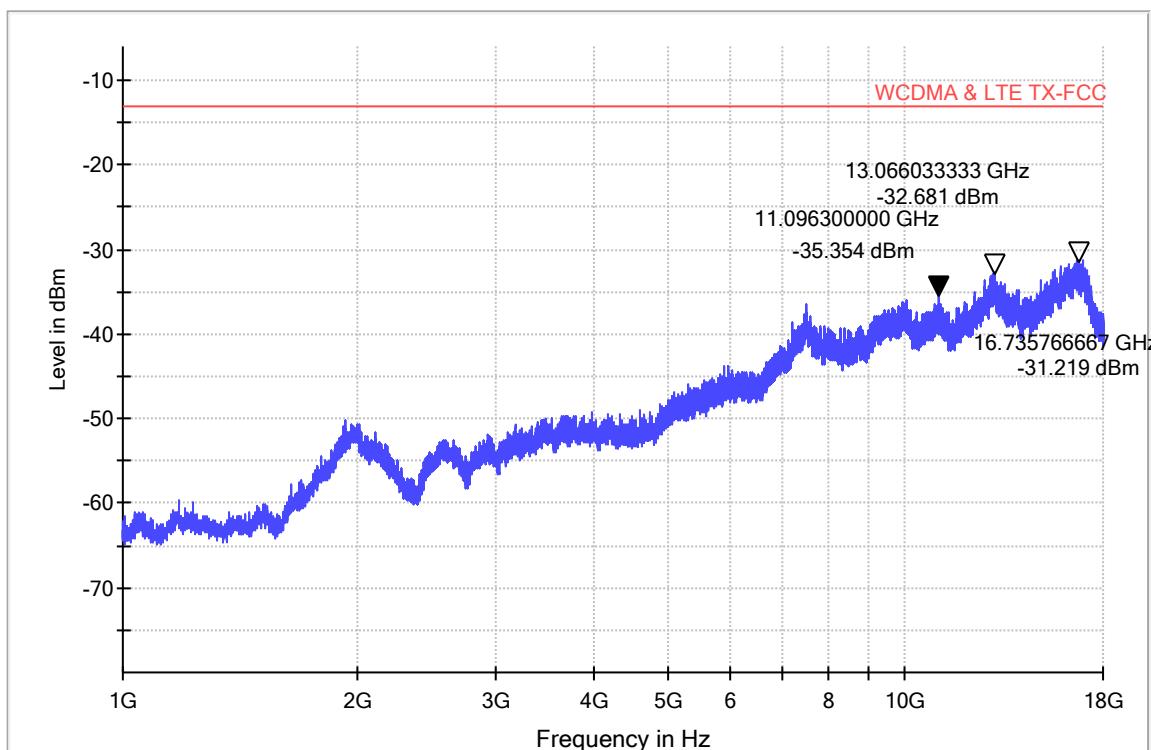
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA850)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

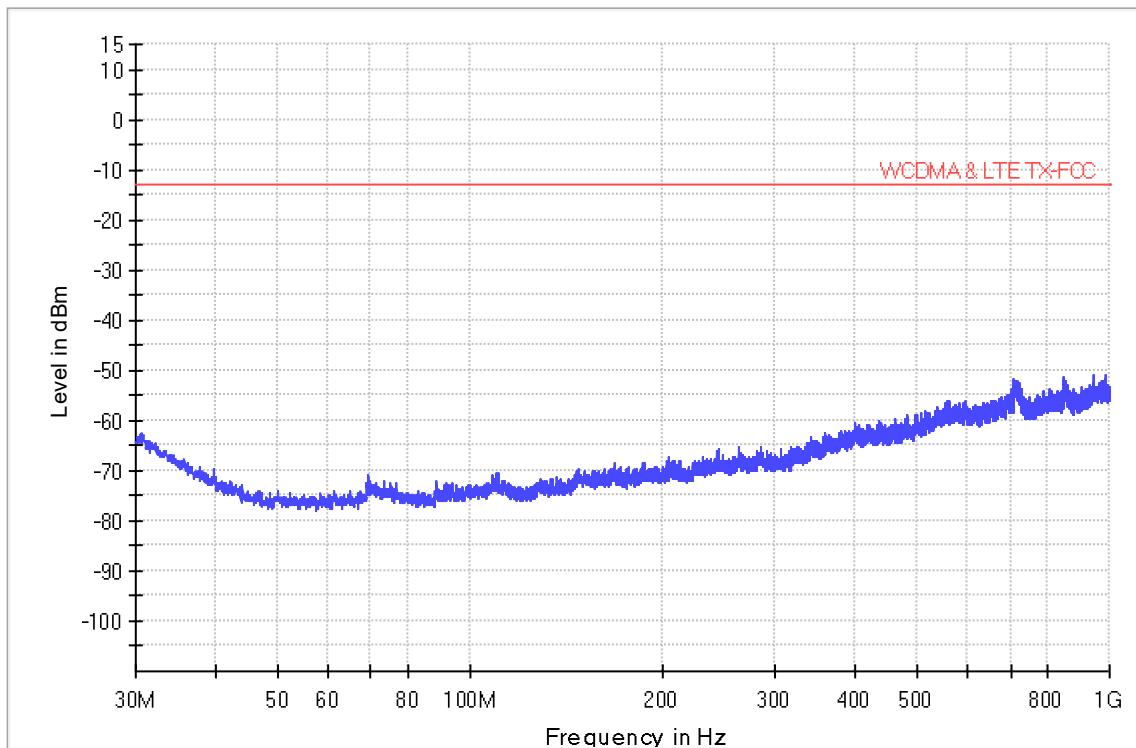
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA1700)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

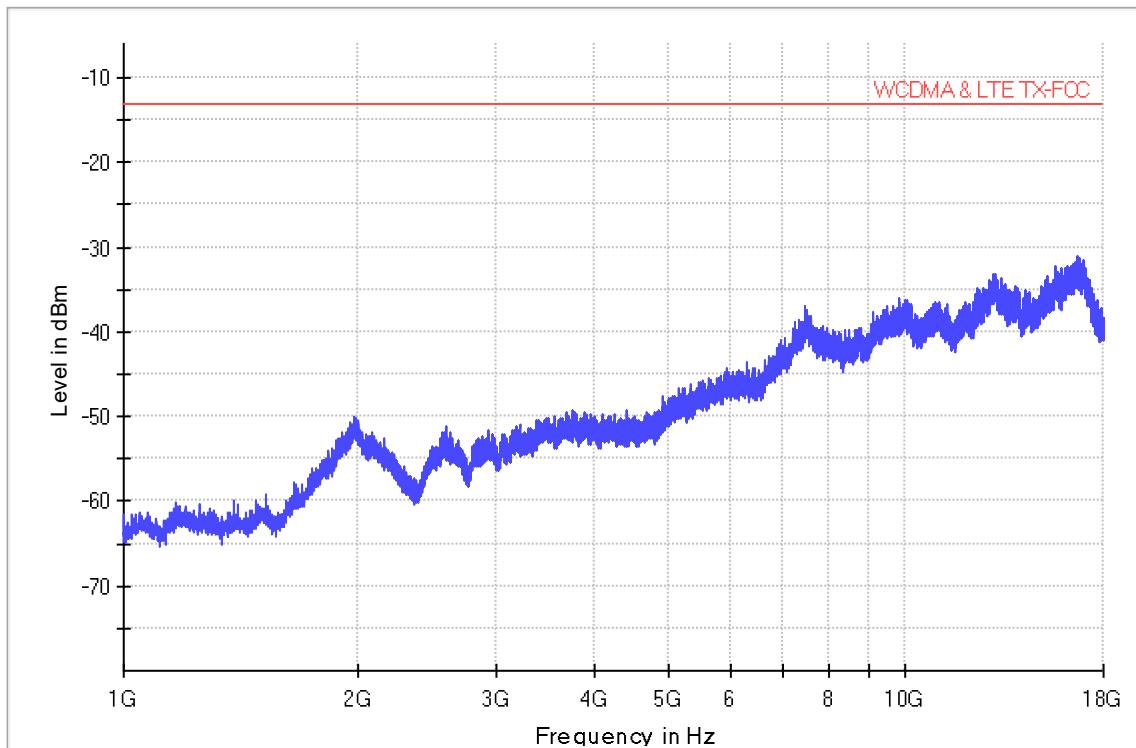
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (UMTS/TM1 WCDMA1700)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

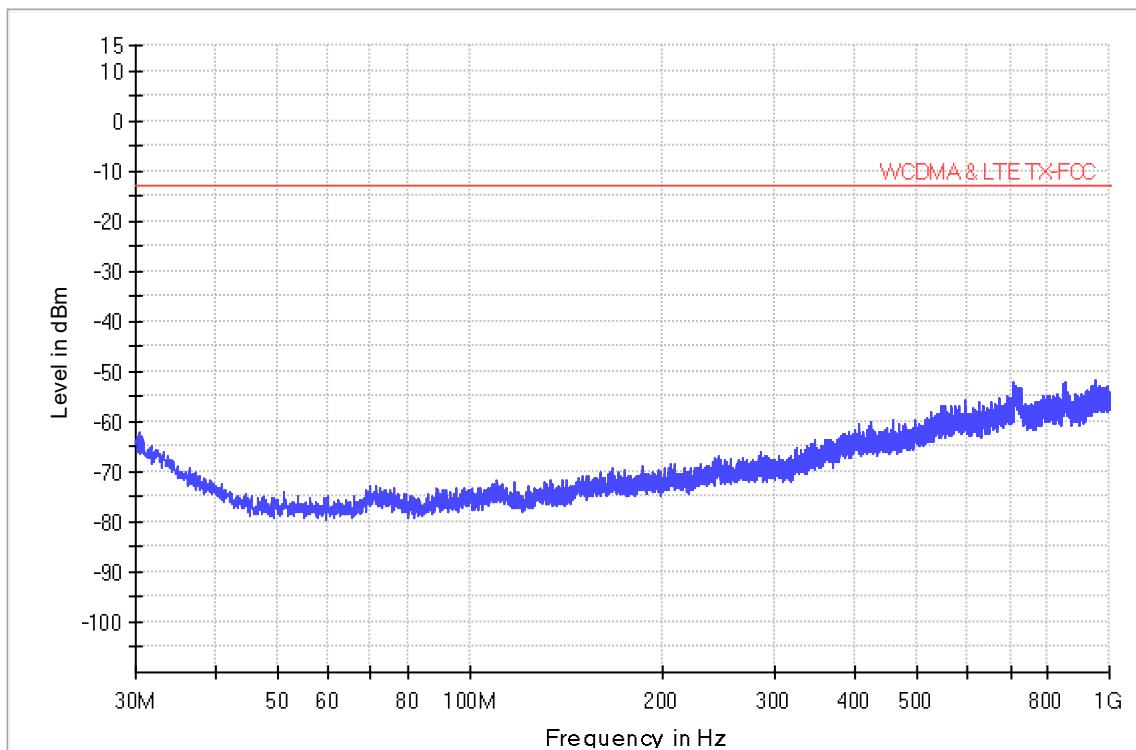
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 2, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

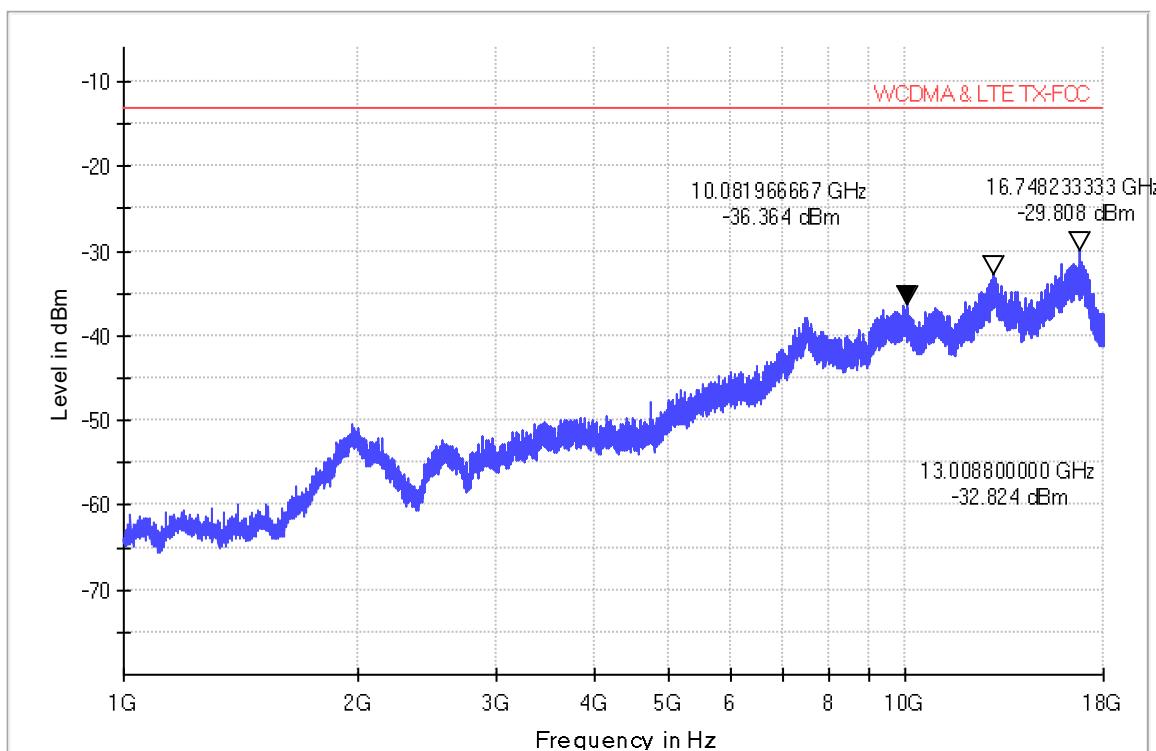
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 2, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

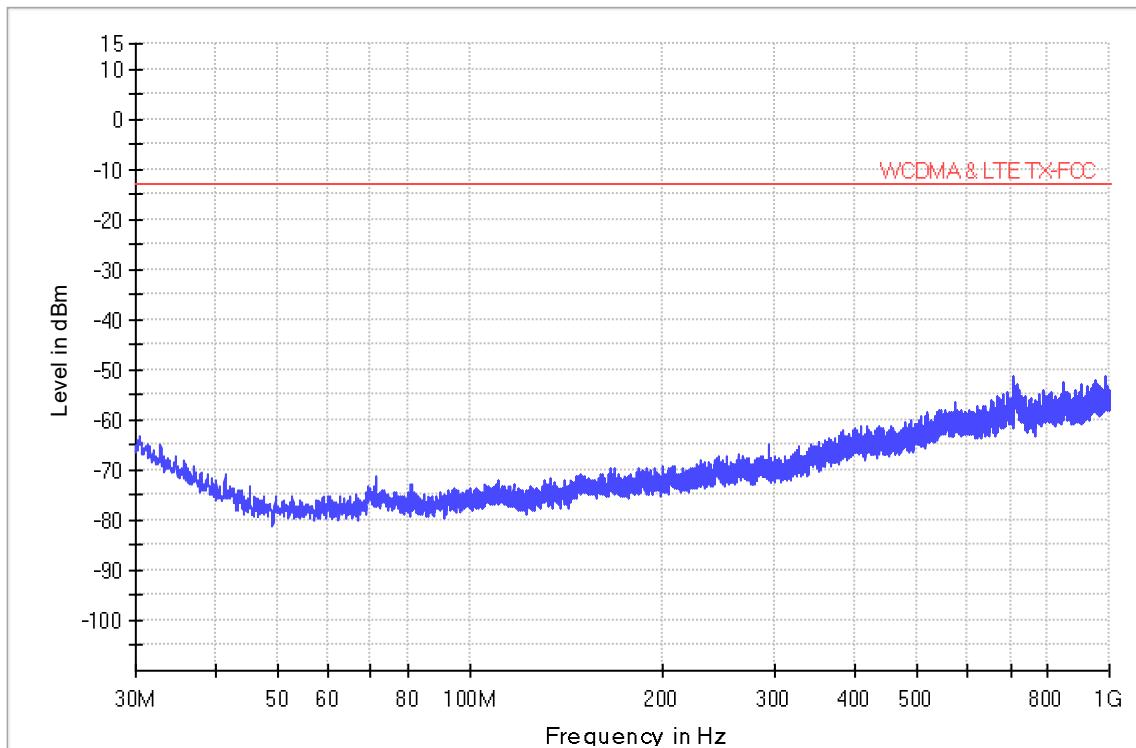
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 4, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

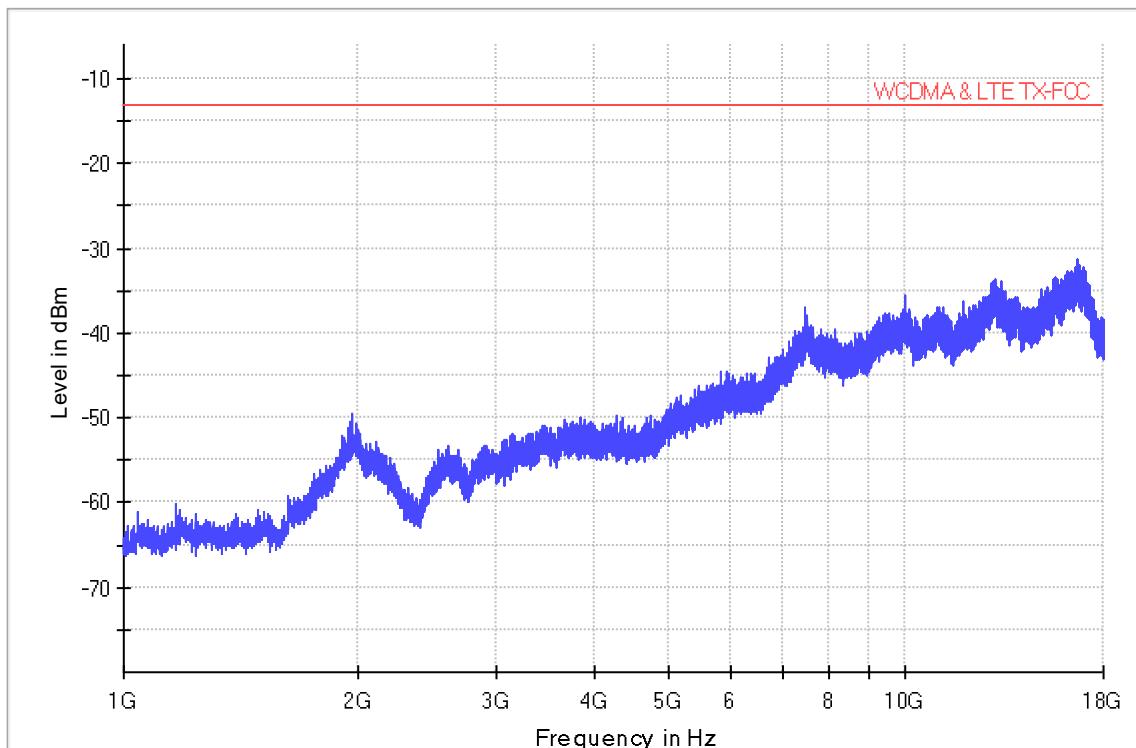
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 4, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

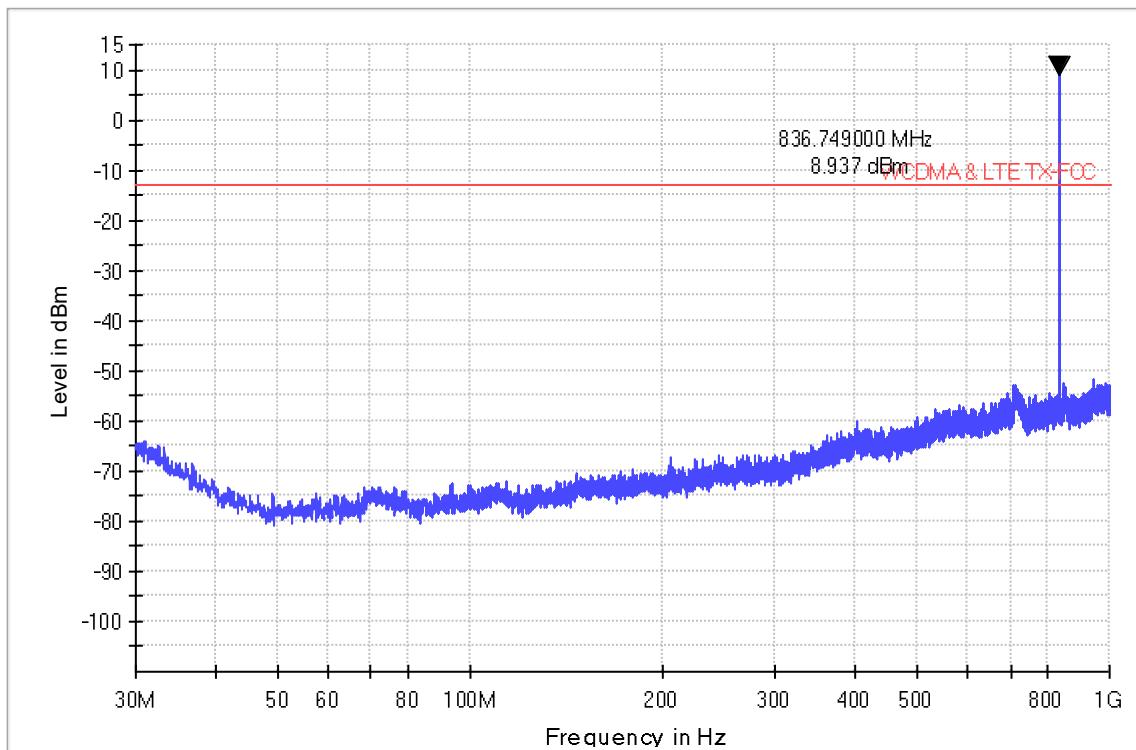
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 5, 10MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

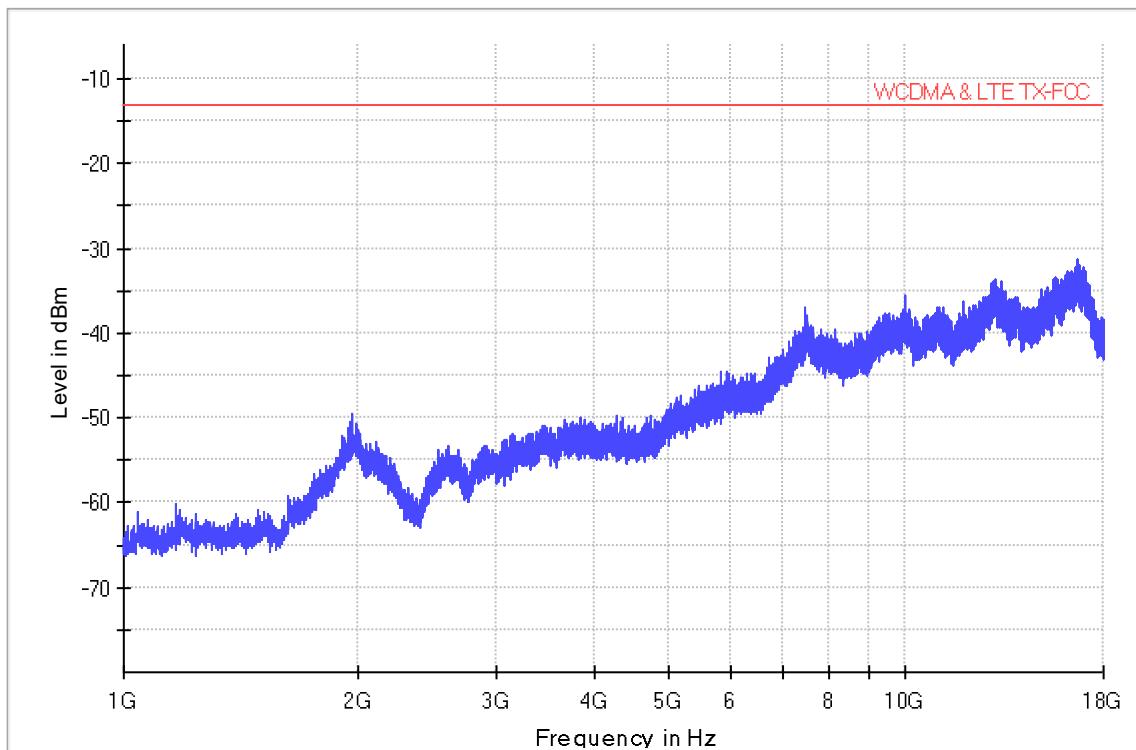
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 5, 10MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

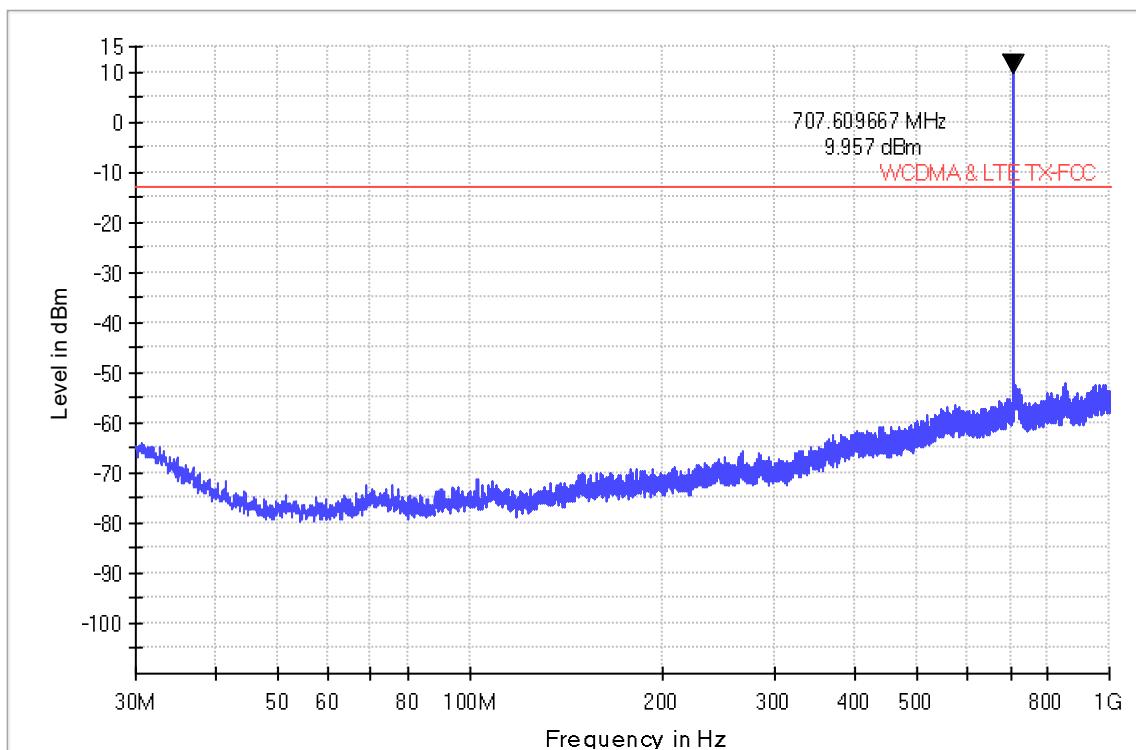
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 12, 10MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

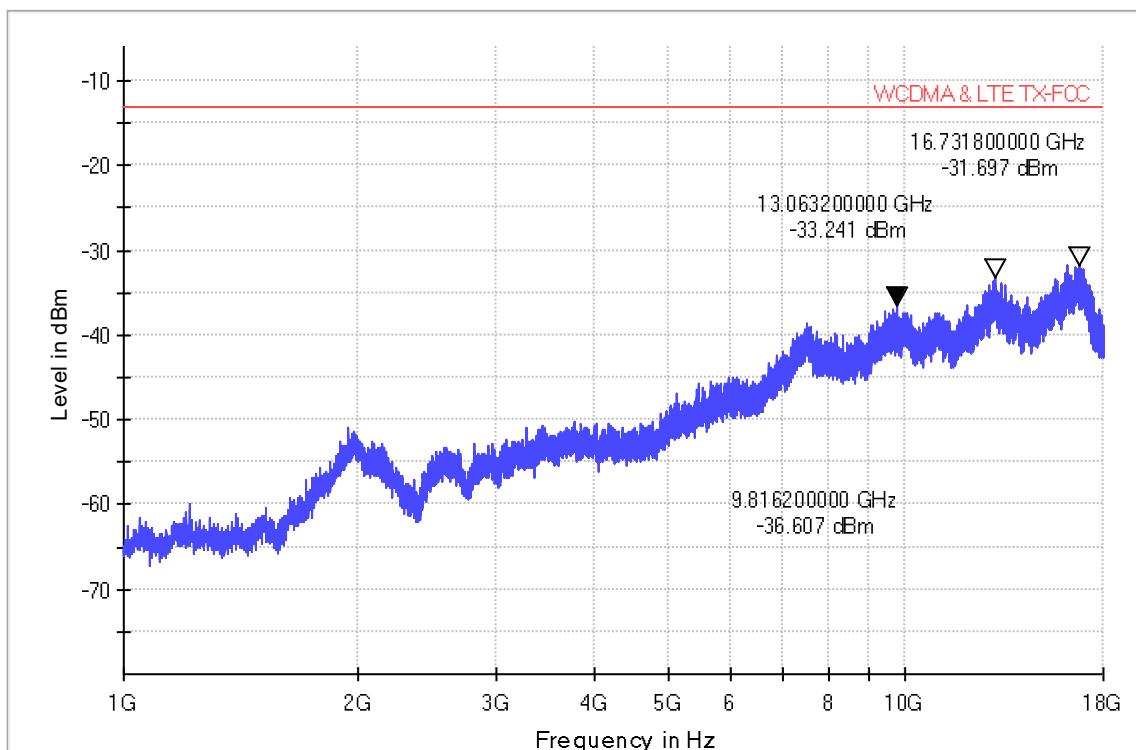
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 12, 10MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

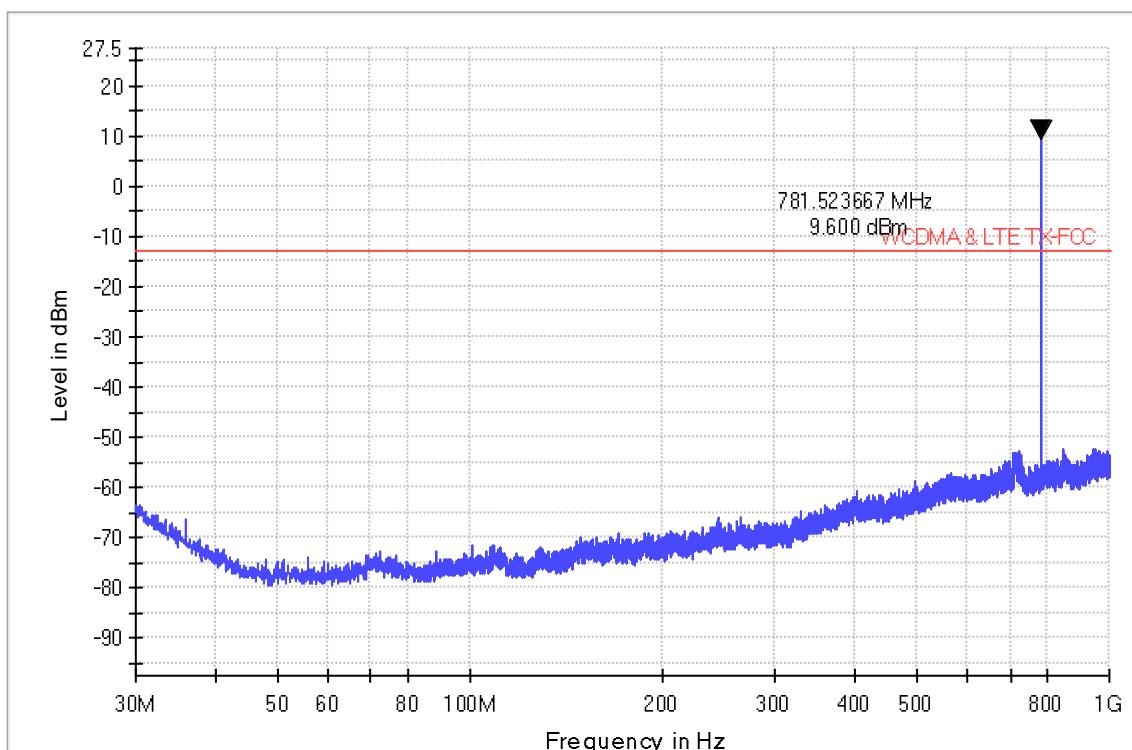
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 13, 10MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

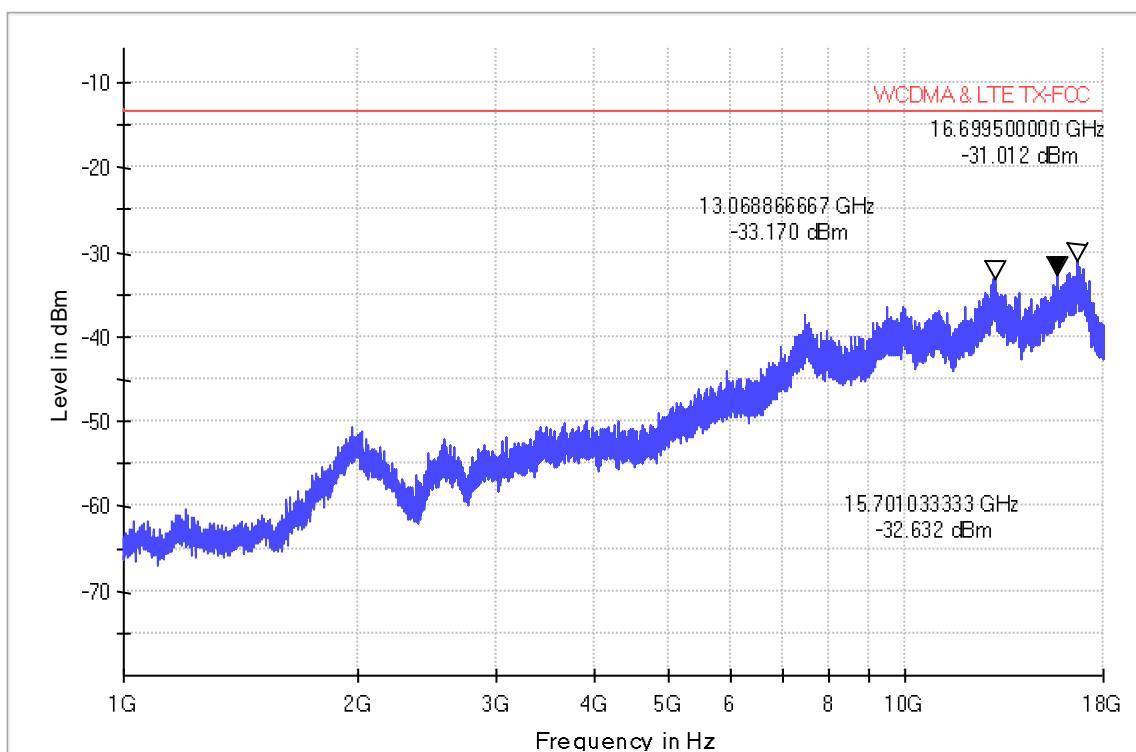
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 13, 10MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

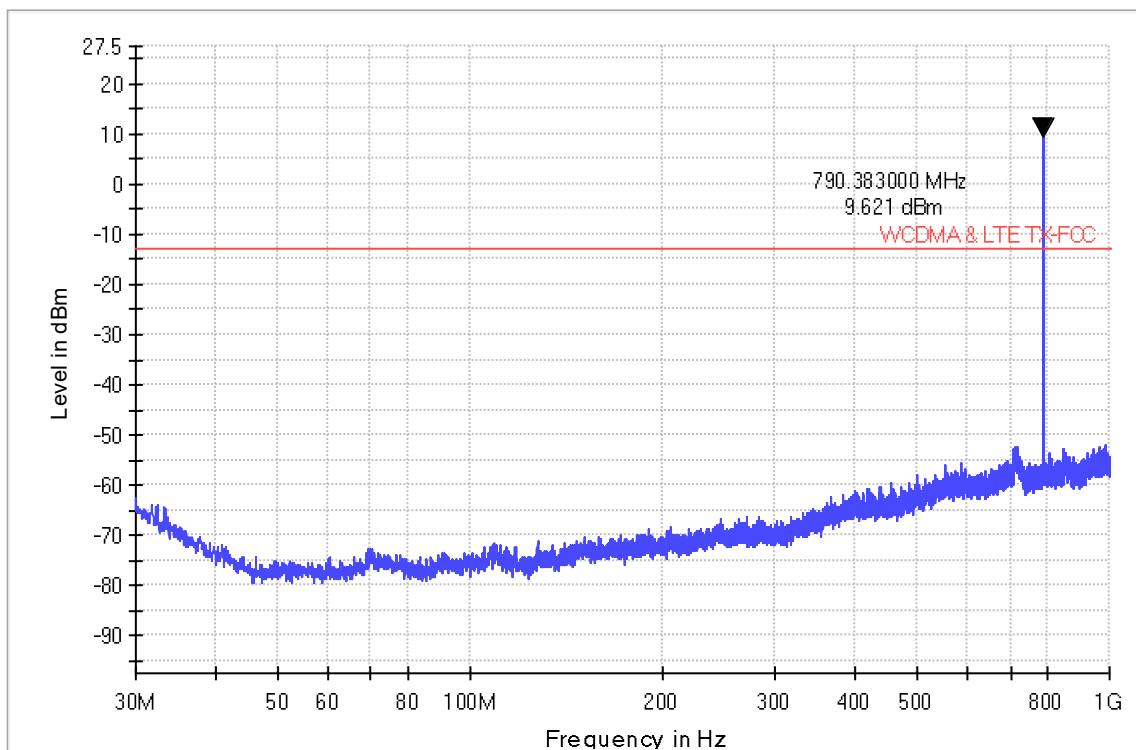
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 14, 10MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

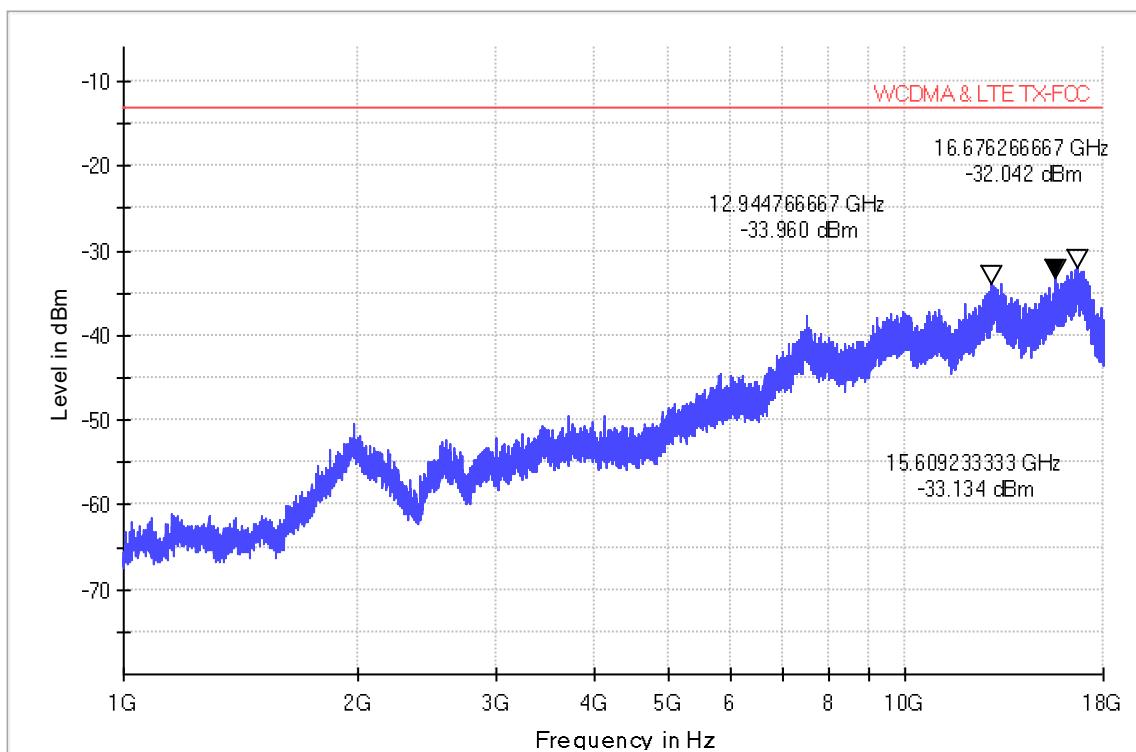
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 14, 10MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

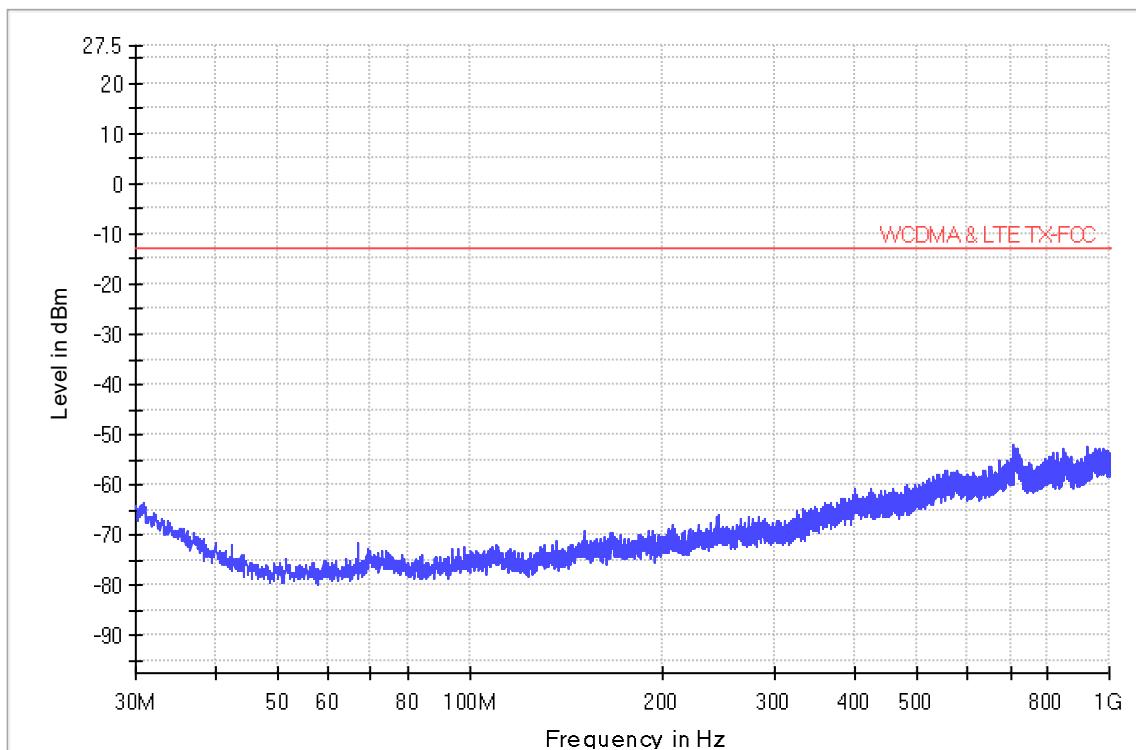
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 66, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

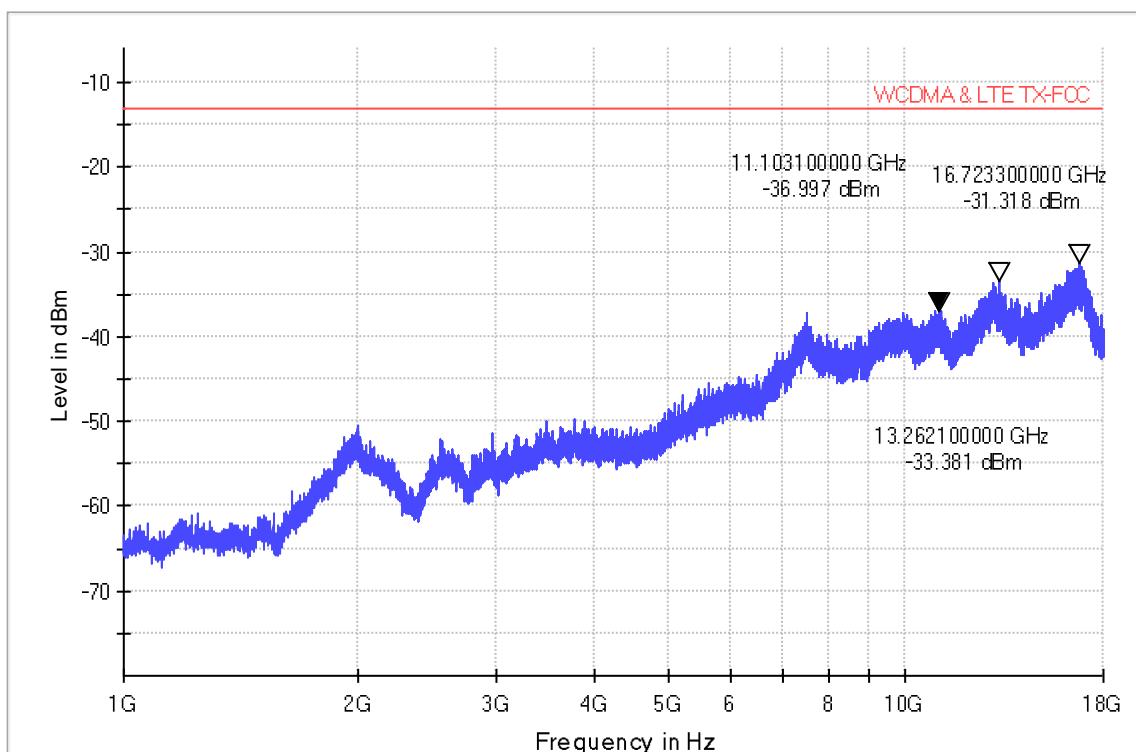
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 66, 20MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

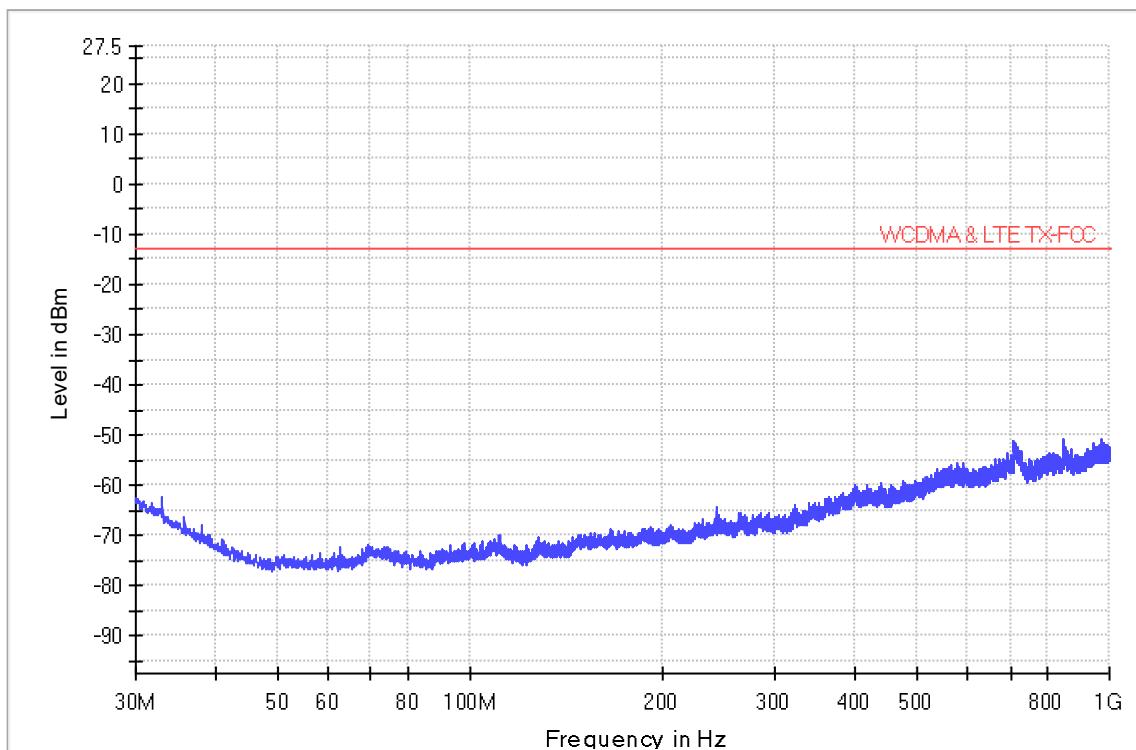
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 71, 20MHz)

Worst Case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency range 30 MHz ~ 1 GHz.

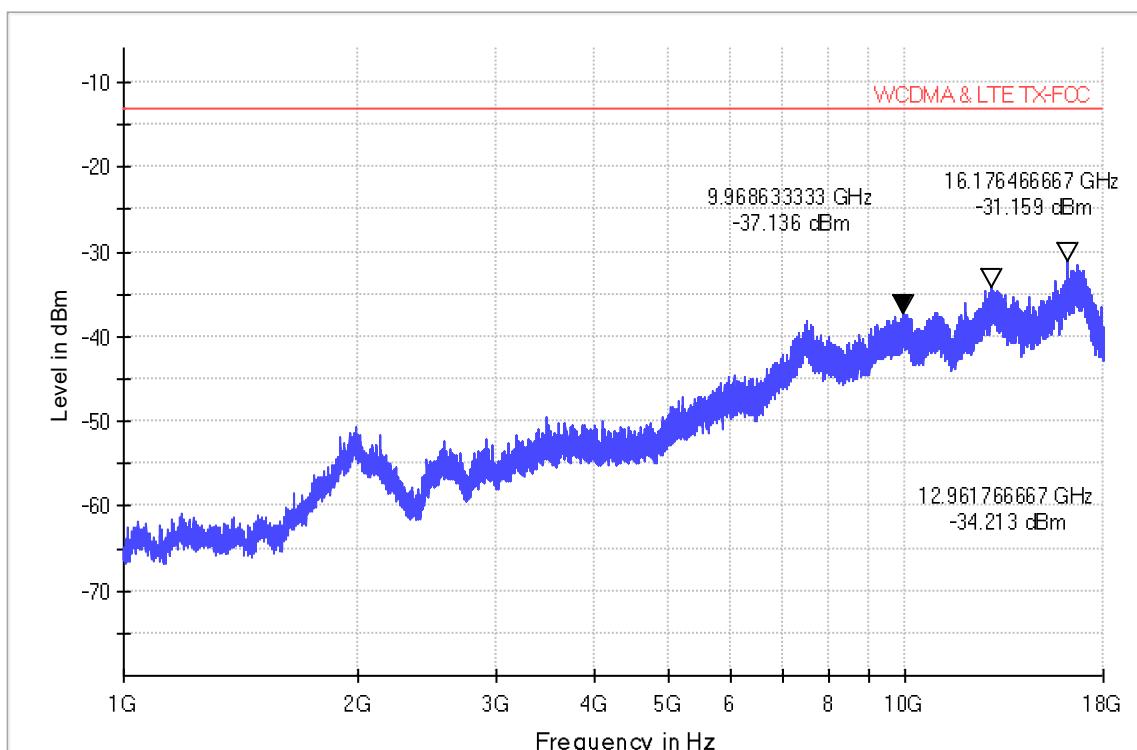
Applicant: Zepcam B.V.

Model: T3

Date of Test: 30 March 2025

Worst Case Operating Mode: Transmitting (LTE/TM1 Band 71, 20MHz)

Worst-case ANT Polarity: Horizontal



Remark: The emissions were very low against the limit in the frequency above 1 GHz.

7. Main Test Instruments

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. | Cal. Date | Due Date |
|---------------|---|-----------------|--------------|--------------------|------------|------------|
| SZ006-27 | DC Power Supply | Keysight | E3648A | MY56096119 | 2024-12-03 | 2025-12-03 |
| SZ047-35 | Digital Temperature-Humidity Recorder | Yijie | RS210 | 0045340A15 | 2024-08-08 | 2025-08-08 |
| SZ065-08 | Wideband Radio Communication Tester | R&S | CMW500 | 144665 | 2024-09-29 | 2025-09-29 |
| SZ056-07 | Signal Analyzer | R&S | FSV 40 | 101214 | 2024-12-05 | 2025-12-05 |
| SZ061-13 | BiConiLog Antenna | ETS | 3142E | 00217919 | 2022-07-13 | 2025-07-13 |
| SZ061-06 | Active Loop Antenna | Electro-Metrics | EM-6876 | 217 | 2024-05-05 | 2027-05-05 |
| SZ185-03 | EMI Receiver | R&S | ESR7 | 101975 | 2025-04-13 | 2026-04-13 |
| SZ061-08 | Double - Ridged Waveguide Horn Antenna | ETS | 3115 | 00092346 | 2024-09-13 | 2027-09-13 |
| SZ056-06 | Signal Analyzer | R&S | FSV 40 | 101101 | 2024-12-06 | 2025-12-06 |
| SZ181-08 | Microwave System Amplifier | keysight | 83017A | MY57280108 | 2024-07-29 | 2025-07-29 |
| SZ188-05 | Anechoic Chamber | ETS | FACT 3-2.0 | CT001880-Q13914102 | 2021-05-25 | 2026-05-25 |
| SZ062-02 | RF Cable | RADIALL | RG 213U | -- | 2025-05-01 | 2025-11-01 |
| SZ062-05 | RF Cable | RADIALL | 0.04-26.5GHz | 0833254 | 2025-05-01 | 2025-11-01 |
| SZ062-12 | RF Cable | RADIALL | 0.04-26.5GHz | 083387 | 2025-05-01 | 2025-11-01 |
| SZ016-12 | Programmable Temperature & Humidity Chamber | Taili | MHK-120NK | AB0105 | 2024-12-04 | 2025-12-04 |

| Software Information | | | |
|----------------------|-----------------------|------------------------------|------------|
| Test Item | Software Name | Manufacturer | Version |
| RSE | EMC32 | R&S | V8.40.0 |
| Conducted RF | JS1120 RF Test System | Shenzhen JS tonsend co., Ltd | 2.6.9.0518 |

8. Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with

the recommendations of ISO 17025 as following:

| Test Item | Extended Uncertainty |
|--------------------------------------|---|
| Transmit Output Power Data | Power [dBm] $U = 0.42 \text{ dB}$ |
| Bandwidth | Magnitude [%] $U = 0.2\%$ |
| Band Edge Compliance | Disturbance Power [dBm] $U = 1.24 \text{ dB}$ |
| Spurious Emissions, Conducted | Disturbance Power [dBm] $U = 1.62 \text{ dB}$ |
| Field Strength of Spurious Radiation | ERP [dBm] For 3 m Chamber: $U = 4.9 \text{ dB}$ (30 MHz to 26.5GHz) |
| Frequency Stability | Frequency Accuracy [ppm] $U = 0.017 \text{ ppm}$ |

9. Appendices

| Appendix No. | Description |
|-----------------------------|--------------------|
| 250428053SZN-003_Appendix A | Appendix for WCDMA |
| 250428053SZN-003_Appendix B | Appendix for LTE |

***** End of Report *****