

Report Number: 23111088HKG-001

Application For Class II Permissive Change of 47 CFR Part 15 Certification

Unlicensed Personal Communication Service Devices / 2 GHz License-exempt Personal Communications Service Devices

(Handset)

FCC ID: EW780-1363-00

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GENERAL INFORMATION

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Hong Kong.

FCC Specification Standard: FCC Part 15, October 1, 2021 Edition

FCC ID: EW780-1363-00

FCC Model(s): SB67208

Type of EUT: Unlicensed Personal Communications Service Devices

Description of EUT: DECT 6.0 Expansion Handset

Sample Receipt Date: November 28, 2023

Date of Test: November 28, 2023 to December 6, 2023

Report Date: March 27, 2024

Environmental Conditions: Temperature: +10 to 40°C

Relative Humidity: 10 to 90%

Conclusion: Test was conducted by client submitted sample. The submitted

sample as received complied with the 47 CFR Part 15 Certification.



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1.0 TEST RESULTS SUMMARY & STATEMENT OF COMPLIANCE

1.1 Summary of Test Results

| General Technical Requirements | | | | | |
|--|------------------------|---|----------------|--|--|
| Test Items | FCC Part 15 Section | Test Procedure ANSI C63.17 / ANSI C63.4* | Results | | |
| Antenna Requirement | 15.317 | | Complied | | |
| Digital Modulation Techniques | 15.319(b) | 6.1.4 | Complied | | |
| Occupied/Emission Bandwidth | 15.323(a) | 6.1.3 | Complied | | |
| Directional Gain of the Antenna | 15.319(e) | 4.3.1 | Complied | | |
| Peak Transmit Power | 15.319(c) | 6.1.2 | Complied | | |
| Power Spectral Density | 15.319(d) | 6.1.5 | Complied | | |
| Automatic Discontinuation of Transmission | 15.319(f) | | Complied | | |
| AC Power Line Conducted Emissions from EUT | 15.315 | 7 * | Not Applicable | | |
| Security Code Information | | | Complied | | |
| Specific Requirements | for UPCS Device | | | | |
| Test Items | FCC Part 15 | Test | Results | | |
| | Section | Procedure | | | |
| | | ANSI C63.17 | | | |
| Unwanted Emission Inside the Sub-Band | 15.323(d) | 6.1.6.1 | Complied | | |
| Emissions Outside the Sub-Band | 15.323(d) | 6.1.6.2 | Complied | | |

1.2 Statement of Compliance

The equipment under test is found to be complying with the following standards:

FCC Part 15, October 1, 2021 Edition



2.0 GENERAL DESCRIPTION

2.1 Product Description

The SB67208 is a DECT 6.0 Cordless Handset. It operates at frequency range of 1921.536MHz to 1928.448MHz with 5 channels (1921.536MHz, 1923.264MHz, 1924.992MHz, 1926.720MHz and 1928.448MHz). The Handset is powered by a Ni-MH type rechargeable battery pack (2.4V 550mAh).

The handset is charged by a charge cradle only.

There is no DECT Transmission during charging the handset.

The antennas used in Handset is PCB type Dipole Antenna, and the test sample is a prototype.

2.2 Purpose of Change

The purpose of change is saved with filename: product change.pdf.

2.3 Test Methodology

The radiated emission measurements for unintentional radiator was performed according to the test procedures specified in ANSI C63.4 (2014). The radiated emission measurements for intentional radiator contained in UPCS device, conducted emission measurements, were performed according to the test procedures specified in ANSI C63.17 (2013). All radiated measurements were performed in radiated emission test site. Preliminary scans were performed in the radiated emission test site only to determine worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "Justification Section" of this Application. All other measurements were made in accordance with the procedures in 47 CFR Part 2.

2.4 Test Facility

The radiated emission test site and antenna port conducted measurement facility used to collect the radiated data and conductive data are at Intertek Testing Services Hong Kong Limited, which is located at Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong SAR, China. This test facility and site measurement data have been fully placed on file with FCC designation no. "HK0005".



3.0 SYSTEM TEST CONFIGURATION

3.1 Justification

For emissions testing, the equipment under test (EUT) was set up to transmit continuously in burst mode with pseudo-random data to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables (if any) were manipulated to produce worst-case emissions.

The Handset was powered by a fully charged battery.

For the measurements, the EUT was attached to a plastic stand if necessary and placed on the wooden turntable. If the EUT is attached to accessories, they were connected and operational (as typical as possible).

The signal was maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization were varied during the search for maximum signal level. The antenna height was varied from 1 to 4 meters. Detector function was in peak mode. Radiated emissions are taken at three meters unless the signal level was too low for measurement at that distance. If necessary, a preamplifier was used and/or the test was conducted at a closer distance.

For UPCS transmitter radiated measurement, the spectrum analyzer resolution bandwidth was approximately 1% of EUT emission bandwidth, unless otherwise specified.

Radiated emission measurements for UPCS transmitter were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

RF module for Handset of SB67208 is the same with the original granted model VDP651. Therefore, conducted emission measurement for jitter, frame repetition stability, carrier stability and listen before transmit requirements for SB67208are skipped

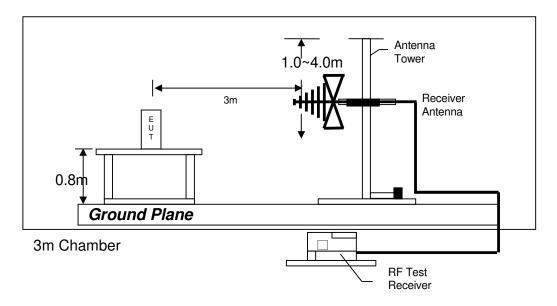
All connecting cables of EUT and peripherals were manipulated to find the maximum emission.

All relevant operation modes have been tested, and the worst case data is included in this report.

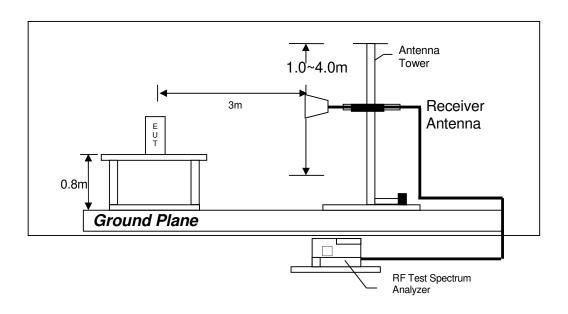


3.2 Radiated Emission Test Setup

The figure below shows the test setup, which is utilized to make these measurements.



Test setup of radiated emissions up to 1GHz



Test setup of radiated emissions above 1GHz

Figure 3.2.1



3.3 AC Line Conducted Emission Test Setup

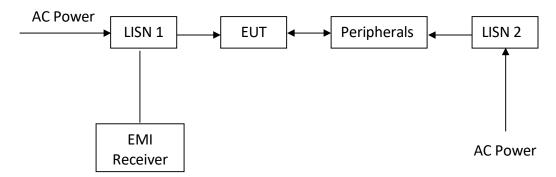


Figure 3.3.1

3.4 Conducted Emission Test Configuration

The setup and equipment setting were made in accordance with ANSI C63.17. The antenna of EUT transmitter was replaced by a coaxial cable. The impendence matching of connection, cable loss and external RF attenuator are taken into account. The EUT was arranged to communicate via a fixed carrier frequency between its transmitter and a companion device. The transmission was configured in burst mode with pseudo-random data as typical as normal operation.

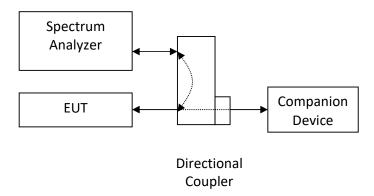


Figure 3.4.1



3.5 Conducted Monitoring and Operation Test Configuration

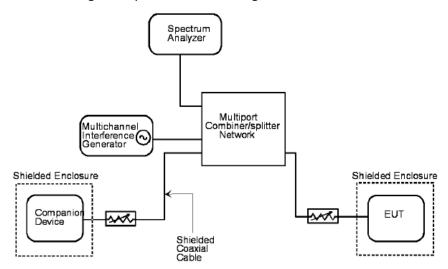


Figure 3.5.1

3.6 EUT Exercising Software

The EUT exercise program (Unit tools V4.9.1) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.



3.7 Details of EUT and Description of Accessories

Details of EUT:

A battery (provided with the unit) was used to power the device. Their descriptions are listed as below:

- (1) NI-MH type rechargeable battery pack(2.4V 550mAh, Model: BT164392/BT264392, Brand: Corun)(Provided by Applicant)
- (2) NI-MH type rechargeable battery pack (2.4V 550mAh, Model: BT164392/BT264392, Brand: GPI) (Provided by Applicant)

Description of Accessories:

- (1) Base Unit, Model: SB67258, FCC ID: EW780-6887-00 (Provided by Applicant)
- (2) Telecommunication cable with RJ11C connectors (1m, unshielded), terminated. (Provided by Intertek)
- (3) Telephone Headset, Model: M110, Brand: PLANTRONICS (Provided by Intertek)

3.8 Measurement Uncertainty

Decision Rule for compliance: For FCC/IC standard, the measured value must be within the limits of applicable standard without accounting for the measurement uncertainty. For EN/IEC/HKTA/HKTC standard, conformity rules will be used as per standard directly excepted EN/IEC 61000-3-2, EN/IEC 61000-3-3, HKTA1004, HKCA1008, HKTA1019, HKTA1020, HKTA1041 and HKTA1044. The values of the Measurement uncertainty for radiated emission test, AC line conducted emission test and RF conducted test are ± 5.3 dB, ± 4.2 dB, ± 1 dB respectively.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.



4.0 MEASUREMENT RESULTS

4.1 Antenna Requirement, FCC Rule 15.317:

EUT must meet the antenna requirement of FCC Rule 15.203.

- [X] EUT uses permanently attached antenna(s) which is considered sufficient to comply with the provisions of this rule. Please refer to internal photos.pdf for more details.
- [] EUT uses unique antenna jack(s) or electrical connector(s) which is considered sufficient to comply with the provisions of this rule. Please refer to internal photos.pdf for more details.
- 4.2 Digital Modulation Techniques, FCC Rule 15.319(b):

All transmissions must use only digital modulation techniques.

The requirements are made in accordance with ANSI C63.17 sub-clause 6.1.4.

Attestation:

Please refer to the technical description (descri.pdf) or relevant DECT standards for more details.

4.3 Emission Bandwidth, FCC Rule 15.323(a):

Operation shall be contained within the 1920 - 1930 MHz band. The emission bandwidth (B) shall be less than 2.5 MHz and greater than 50 kHz.

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.3.

Test setup is shown in section 3.4 Figure 3.4.1.

Test Results:

I. Handset Unit - Traffic Carrier

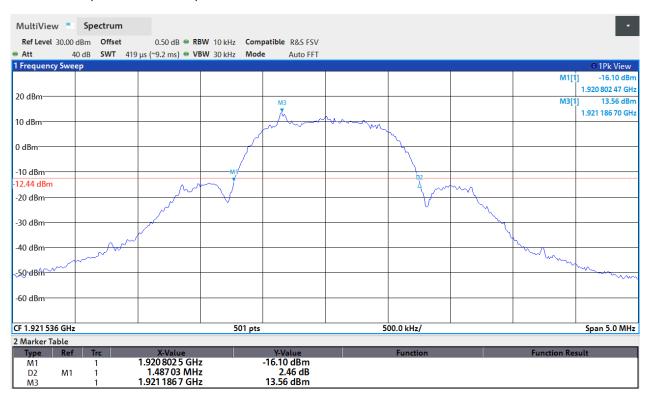
| Channel | Channel Frequency (MHz) | Measuring Signal Level | Measured Emission Bandwidth (MHz) | Results |
|---------|-------------------------|------------------------|--------------------------------------|---------|
| Lowest | 1921.536 | 26 dB down | 1.49 | Pass |
| Highest | 1928.448 | 26 dB down | 1.50 | Pass |

The plots of emission bandwidth are saved as below.

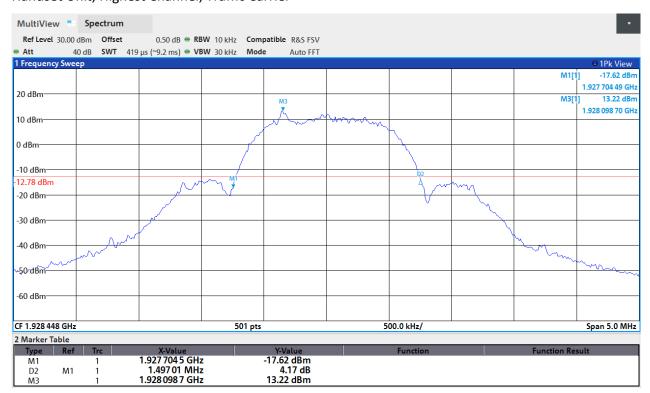


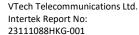
PLOTS OF EMISSION BANDWIDTH

Handset Unit, Lowest Channel, Traffic Carrier



Handset Unit, Highest Channel, Traffic Carrier







4.4 Directional Gain of the Antenna, FCC Rule FCC 15.319(e):

transmit power limit shall be reduced by _____ dB.

The peak transmit power limit shall be reduced by the amount in dB that the maximum directional gain of the antenna exceeds 3 dBi.

The requirements are made in accordance with ANSI C63.17 sub-clause 4.3.1.
[X] Manufacturer declares that the directional gain of the antenna is less than or equal to 3dBi. No peak transmit power limit reduction is required.
[] Manufacturer declares that the directional gain of the antenna is greater than 3dBi. The peak



4.5 Power Spectral Density, FCC Rule 15.319(d):

Power spectral density shall not exceed 3 mW (4.8dBm) in any 3 kHz bandwidth as measured with a spectrum analyzer having a resolution bandwidth of 3 kHz.

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.5.

Test setup is shown in section 3.4 Figure 3.4.1.

Test Results:

I. Handset Unit - Traffic Carrier

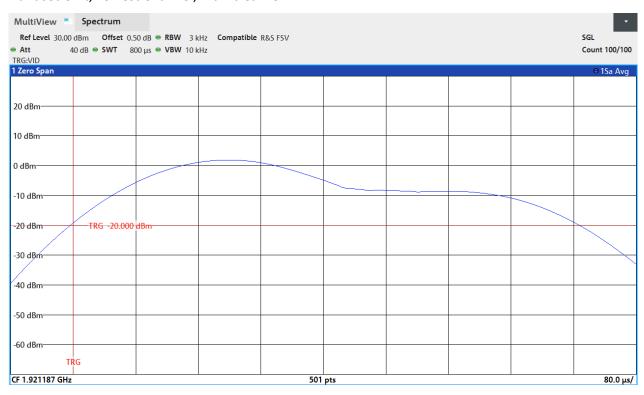
| Channel | Channel Frequency (MHz) | Measured Power Spectral Density (dBm/3kHz) | Limit (dBm/3 kHz) | Results |
|---------|----------------------------|--|----------------------|---------|
| Lowest | 1921.536 | -4.57 | 4.8 | Pass |
| Highest | 1928.448 | -4.92 | 4.8 | Pass |

The plots of the power spectral density are as below.

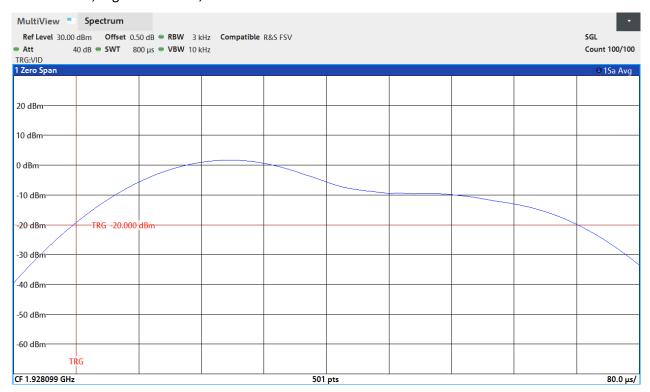


PLOTS OF THE POWER SPECTRAL DENSITY

Handset Unit, Lowest Channel, Traffic Carrier



Handset Unit, Highest Channel, Traffic Carrier





4.6 Automatic Discontinuation of Transmission, FCC Rule 15.319(f):

The EUT shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude transmission of control and signaling information or use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

The manufacturer declares that the EUT can automatically discontinue transmission in case of either absent information to transmit or operational failure. Please refer to the declaration letter for details, which is saved with filename: declaration.pdf.



4.7 Unwanted Emission Inside the Sub-Band, FCC Rule 15.323(d):

Emissions inside the sub-band must comply with the following emission mask:

- (1) In the bands between 1B and 2B measured from the center of the emission bandwidth, emission shall be at least 30 dB below the permitted peak transmit power.
- (2) In the bands between 2B and 3B measured from the center of the emission bandwidth, emission shall be at least 50 dB below the permitted peak transmit power.
- (3) In the bands between 3B and the band edge, emission shall be at least 60 dB below the permitted peak transmit power.

Where B = emission bandwidth in Hz

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.6.1.

Test setup is shown in section 3.4 Figure 3.4.1.

Test Results:

I. Handset Unit - Traffic Carrier

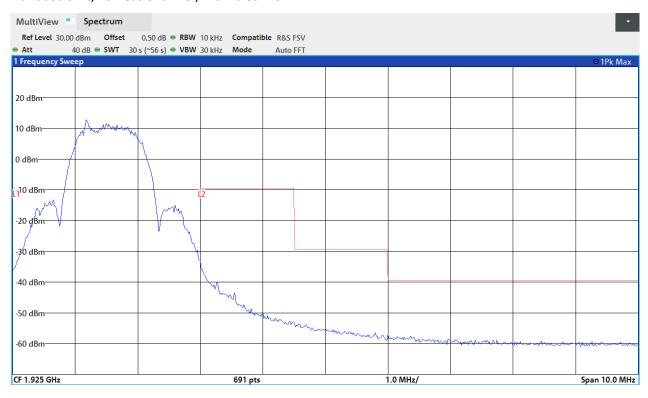
| Channel | Channel Frequency (MHz) | Results |
|---------|-------------------------|---------|
| Lowest | 1921.536 | Pass |
| Middle | 1924.992 | Pass |
| Highest | 1928.448 | Pass |

The plots of the unwanted emission inside the sub-band are as below.

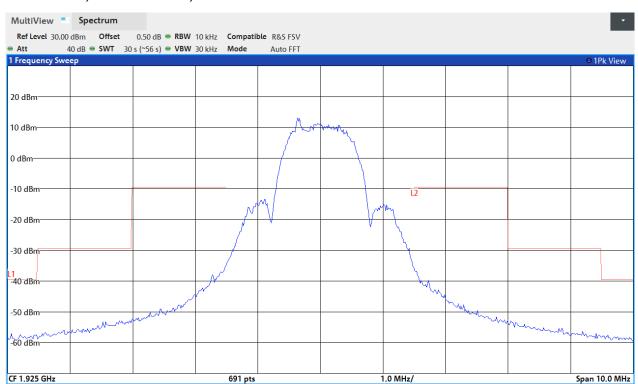


PLOTS OF THE UNWANTED EMISSION INSIDE THE SUB-BAND

Handset Unit, Lowest Channel, Traffic Carrier



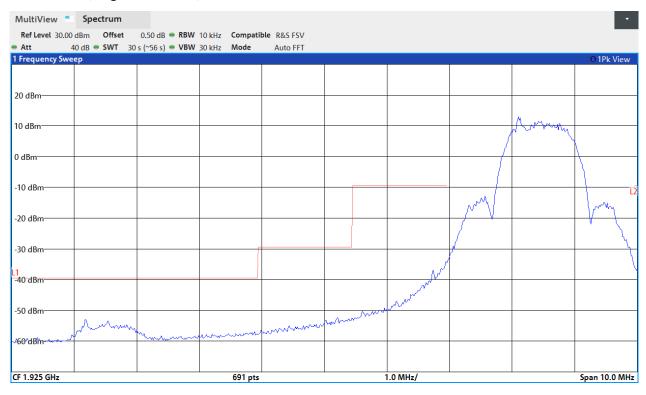
Handset Unit, Middle Channel, Traffic Carrier





PLOTS OF THE UNWANTED EMISSION INSIDE THE SUB-BAND

Handset Unit, Highest Channel, Traffic Carrier





4.8 Emissions Outside the Sub-Band, FCC Rule 15.323(d):

Emissions outside the sub-band shall be attenuated below a reference power of 112 mW (20.5 dBm) as follows:

- (1) 30 dB between the band edge and 1.25 MHz above or below the band;
- (2) 50 dB between 1.25 and 2.5 MHz above or below the band; and
- (3) 60 dB at 2.5 MHz or greater above or below the band, or shall meet the requirement of FCC Rule 15.319(g) which shall not exceed the limits of FCC Rule 15.209.

Example:

Calculation of Limit for emissions between the band edge and 1.25 MHz (1920.000 – 1918.750 MHz)

The emissions shall not exceed the Limit: 20.5 dBm – 30 dB = -9.5 dBm

Measurements are made in accordance with ANSI C63.17 sub-clause 6.1.6.2. Radiated emissions test method is used. Emissions that are directly caused by digital circuits in the transmit path and transmitter portion are measured.

Test setup is shown in section 3.2 Figure 3.2.1

Test Results:

| Channel | Carrier Frequency (MHz) | Measured Band (MHz) | Limit (dBm) | Results |
|---------|----------------------------|--|-------------------------|---------|
| | | 1920.000 - 1918.750 | -9.5 | Pass |
| Lowest | 1921.536 | 1918.750 - 1917.500 | -29.5 | Pass |
| Lowest | 1921.536 | 0.009 - 1917.500 & | -39.5 / FCC Rule 15.209 | Pass |
| | | 1932.500 - 19300.000 | | Pd55 |
| | | 1930.000 - 1931.250 | -9.5 | Pass |
| Highort | 1928.448 | 1931.250 - 1932.500 | -29.5 | Pass |
| Highest | 1920.440 | 0.009 – 1917.500 & 1932.500 - 19300.000 | -39.5 / FCC Rule 15.209 | Pass |



4.8.1 Radiated Emissions Configuration Photographs:

Worst Case Radiated Emission at

7686.144 MHz

The worst case radiated emission configuration photographs are saved with filename: config photos.pdf

4.8.2 Radiated Emissions Data:

Data are included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data in table 1-3 list the significant emission frequencies, the limit and the margin of compliance.

Judgement:

Passed by 5.5 dB margin



RADIATED EMISSIONS DATA

Mode: DECT Transmission

Table 1

Pursuant to FCC Part 15 Section 15.323(d) Emissions Requirements

Lowest Channel

| Polarization | Frequency | Measured | Power | Margin |
|--------------|-----------|----------|-------|--------|
| | (MHz) | Power | Limit | (dB) |
| | | (dBm) | (dBm) | |
| V | 1916.875 | -57.7 | -39.5 | -18.2 |
| V | 1918.125 | -52.6 | -29.5 | -23.1 |
| V | 1919.375 | -40.7 | -9.5 | -31.2 |
| Н | 3843.072 | -51.7 | -39.5 | -12.2 |
| V | 5764.608 | -49.7 | -39.5 | -10.2 |
| Н | 7686.144 | -45.0 | -39.5 | -5.5 |
| V | 9607.680 | -55.1 | -39.5 | -15.6 |
| Н | 11529.216 | -58.4 | -39.5 | -18.9 |

Notes: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters.
- 3. Negative value in the margin column shows emission below limit.



RADIATED EMISSIONS DATA

Mode: DECT Transmission

Table 2
Pursuant to FCC Part 15 Section 15.323(d) Emissions Requirements

Highest Channel

| Polarization | Frequency | Measured | Power | Margin |
|--------------|-----------|----------|-------|--------|
| | (MHz) | Power | Limit | (dB) |
| | | (dBm) | (dBm) | |
| V | 1930.625 | -43.1 | -9.5 | -33.6 |
| V | 1931.875 | -53.9 | -29.5 | -24.4 |
| V | 1933.125 | -59.4 | -39.5 | -19.9 |
| Н | 3856.896 | -56.5 | -39.5 | -17.0 |
| V | 5785.344 | -55.5 | -39.5 | -16.0 |
| Н | 7713.792 | -54.8 | -39.5 | -15.3 |
| V | 9642.240 | -53.7 | -39.5 | -14.2 |
| Н | 11570.688 | -52.0 | -39.5 | -12.5 |

Notes: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters.
- 3. Negative value in the margin column shows emission below limit.



RADIATED EMISSIONS DATA

Mode: Speakerpphone Mode

Table 3

Pursuant to FCC Part 15 Section 15.323(d) Emissions Requirements

| Polarization | Frequency | Measured | Power | Margin |
|--------------|-----------|----------|-------|--------|
| | (MHz) | Power | Limit | (dB) |
| | | (dBm) | (dBm) | |
| V | 171.984 | -76.3 | -39.5 | -36.8 |
| V | 290.203 | -72.0 | -39.5 | -32.5 |
| V | 414.726 | -61.2 | -39.5 | -21.7 |
| V | 518.395 | -63.6 | -39.5 | -24.1 |
| Н | 921.309 | -63.5 | -39.5 | -24.0 |
| V | 961.685 | -60.5 | -39.5 | -21.0 |

Notes: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters.
- 3. Negative value in the margin column shows emission below limit.



4.8.3 Field Strength Calculation:

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD + AV

Where FS = Field Strength in $dB\mu V/m$

RA = Receiver Amplitude (including preamplifier) in $dB\mu V$

AF = Antenna Factor in dB

CF = Cable Attenuation Factor in dB

AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

FS = RA + AF + CF - AG + PD + AV

Example:

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29.0 dB is subtracted. The pulse desensitization factor of the spectrum analyzer is 0.0 dB, and the resultant average factor is -10.0 dB. The net field strength for comparison to the appropriate emission limit is 32.0 dB μ V/m. This value in dB μ V/m is converted to its corresponding level in μ V/m.

RA = $62.0 \text{ dB}\mu\text{V}$ AF = 7.4 dBCF = 1.6 dBAG = 29.0 dBPD = 0.0 dB

AV = -10.0 dB

 $FS = 62.0 + 7.4 + 1.6 - 29.0 + 0.0 + (-10.0) = 32.0 \, dB\mu V/m$

Level in μ V/m = Common Antilogarithm [(32.0 dB μ V/m)/20] = 39.8 μ V/m Level in dBm (EIRP) = FS - 95.23 = 32 - 95.23 = -63.23 dBm Level in dBm (ERP) = FS - 95.23 -2.15 = 32 - 95.23 -2.15 = -65.38 dBm



| 4.8.4 | Average Factor Calculation and Transmitter ON Time Measurements, FCC Rule 15.35(b, c): |
|-------|--|
| [] | The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SPAN function on the analyzer was set to ZERO. The transmitter ON time was determined from the resultant time-amplitude display: |
| | Please refer to the attached plots for more details: |
| | The plots of Transmitter ON Time Measurements are as below. |
| [] | Please refer to the attached transmitter timing diagram that are provided by manufacturer. |
| [X] | Not Applicable - No average factor is required. |
| [] | Please refer to Technical Description (descri.pdf) for more details. |



4.9 AC Power Line Conducted Emissions, FCC Rule 15.315:

The AC power line conducted emission shall not exceed the limits of FCC Rule 15.207.

Measurements are made in accordance with ANSI C63.4 sub-clause 7. Emissions that are directly caused by digital circuits in the transmit path and transmitter portion are measured.

Test setup is shown in section 3.3 Figure 3.3.1.

| [X] | | Not Applicable – EUT is only powered by battery for operation. |
|-------|---|--|
| |] | EUT connects to AC power line. Emission Data is listed in following pages. |
| [. |] | Base Unit connects to AC power line and has transmission. Handset connects to AC power line (indirectly) but has no transmission. Emission Data of Base Unit is listed in following pages. |
| |] | Handset connects to AC power line (indirectly) only during charging. Emission Data is listed in following pages. |



5.0 EQUIPMENT LIST

1) Radiated Emissions Test

| Equipment | EMI Test Receiver | Signal and Spectrum Analyzer (10Hz to 30GHz) | BiConiLog Antenna (30MHz - 6GHz) |
|----------------------|--------------------|--|-------------------------------------|
| Registration No. | EW-3156 | EW-2466 | EW-3061 |
| Manufacturer | ROHDESCHWARZ | ROHDESCHWARZ | EMCO |
| Model No. | ESR | FSP | 3142E |
| Calibration Date | September 26, 2022 | October 10, 2023 | August 23, 2023 |
| Calibration Due Date | December 26, 2023 | October 10, 2024 | August 23, 2025 |

| Equipment | 14m Double Shield RF Cable (9kHz - 6GHz) | 14m Double Shield RF Cable (1GHz - 26GHz) | Double Ridged Guide Antenna |
|----------------------|---|--|--------------------------------|
| Registration No. | EW-2376 | EW-2781 | EW-0194 |
| Manufacturer | RADIALL | RADIALL | EMCO |
| Model No. | N(m)-BR56-BNC(m) L= | SMA(m)-SHF5MPU- | 3115 |
| | 14M | SMA(m) R.A 14m, 26G | |
| Calibration Date | September 19, 2023 | December 12, 2022 | May 10, 2023 |
| Calibration Due Date | September 19, 2024 | December 12, 2023 | November 10, 2024 |

| Equipment | Log Periodic Antenna (200MHz - 2GHz) | Biconical Antenna (30MHz – 300MHz) | RF Pre-Amplifier (9kHz to 40GHz) |
|----------------------|---|---------------------------------------|-------------------------------------|
| Registration No. | EW-3244 | EW-3241 | EW-3229 |
| Manufacturer | EMCO | EMCO | BONN ELEKTRO |
| Model No. | 3148B | 3110C | BLMA 0118-5G |
| Calibration Date | August 30, 2022 | February 26, 2022 | September 26, 2023 |
| Calibration Due Date | May 30, 2024 | May 26, 2024 | September 26, 2024 |

| 1.9GHz Notch Filter | Pyramidal Horn Antenna (18.0 - 26.5)GHz | |
|---------------------|---|---|
| EW-3434 | EW-1679 | |
| Microwave | EMCO | |
| N0319501 | 3160-09 | |
| December 12, 2022 | September 14, 2023 | |
| December 12, 2023 | March 14, 2025 | |
| | EW-3434 Microwave N0319501 December 12, 2022 | (18.0 - 26.5)GHzEW-3434EW-1679MicrowaveEMCON03195013160-09December 12, 2022September 14, 2023 |



5.0 EQUIPMENT LIST (CONT'D)

2) AC Line Conducted Emissions Test

| Equipment | EMI Test Receiver | RF Cable RG142 (9kHz- 30MHz) 2.4m length | LISN |
|----------------------|--------------------|---|----------------|
| Registration No. | EW-3156 | EW-2454 | EW-3360 |
| Manufacturer | ROHDESCHWARZ | RADIALL | R&S |
| Model No. | ESR | bnc m st/ 142/ bnc mra 240cm | ENV-216 |
| Calibration Date | September 26, 2022 | June 13, 2023 | April 25, 2023 |
| Calibration Due Date | December 26, 2023 | June 13, 2024 | April 25, 2024 |

3) Conductive Measurement Test

| Equipment | Coaxial Directional | Signal and Spectrum | Digital |
|----------------------|----------------------------|--------------------------|--------------------|
| | Coupler | Analyzer (10Hz to 44GHz) | Radiocommunication |
| | | | Tester for DECT |
| Registration No. | EW-2168 | EW-3604 | EW-2250 |
| Manufacturer | MAGNA | ROHDESCHWARZ | ROHDESCHWARZ |
| Model No. | 4222-16 | FSV | CMD60 |
| Calibration Date | September 26, 2023 | January 04, 2023 | December 13, 2022 |
| Calibration Due Date | September 26, 2024 | January 04, 2024 | December 13, 2023 |

| Equipment | Digital Multimeter | RF Cable SMA-SMA (18GHz) | |
|----------------------|--------------------|-----------------------------|--|
| Registration No. | EW-1183 | EW-3102-01/ EW-3102-02 | |
| | | /EW-3102-03 | |
| Manufacturer | FLUKE | RADIALL | |
| Model No. | 79-3 | SMA m /SMA m, 18G 1m | |
| Calibration Date | February 21, 2023 | October 05, 2023 | |
| Calibration Due Date | July 18, 2024 | October 05, 2024 | |
| | | | |

END OF TEST REPORT