

TEST REPORT

| Report No. | SST240923020EF03 | | |
|-------------------------|---|--|--|
| Applicant: | SHENZHEN ELECTRON TECHNOLOGY CO., LTD. | | |
| Address of Applicant: | Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China. | | |
| Product Name: | Android Tablet | | |
| Trade Mark: | | | |
| | | | |
| Standard(s): | FCC CFR Title 47 Part 15 Subpart E Section 15.247 | | |
| FCC ID: | 2ABC5-E0078 | | |
| | | | |
| Test Report Form No: | SST-RD-7.5-02-E01(A/0) | | |
| Date of sample receipt: | 2024/9/23 | | |
| Date of Test: | 2024/9/23 - 2024/10/30 | | |
| Date of report issued: | 2024/11/1 | | |

*The equipment complies with the requirements according to the standard(s) or Specification above, it is applicable only to the tested sample identified in the report.



*The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



Revision History

| Version | Description | Date of Issue |
|---------|-------------|---------------|
| V1.0 | Original | 2024/11/1 |
| | | |
| | | |





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3 Test Summary

| Test items | Basics standards | Result |
|-------------------------------------|----------------------------|--------|
| Antenna requirement | FCC part 15.203/15.247 (c) | Pass |
| AC Power Line Conducted Emission | FCC part 15.207 | Pass |
| Conducted Peak Output Power | FCC part 15.247 (b)(3) | Pass |
| Channel Bandwidth & 99% OCB | FCC part 15.247 (a)(2) | Pass |
| Power Spectral Density | FCC part 15.247 (e) | Pass |
| Band Edge | FCC part 15.247(d) | Pass |
| Spurious Emission | FCC part 15.205/15.209 | Pass |

Notes:

1: NA =Not Applicable

2: Determining compliance based on the results of the compliance measurement, not taking into account measurement uncertainty. If necessary, the applicant shall informing test lab in advance 3: Additions, Deviations and Exclusions from Standards: None.

4 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| Item | Uncertainty (±) (k=2, 95%) | | |
|-----------------------------------|----------------------------|------|--|
| Output Power, Conducted | 0.54 | | |
| Power Spectral Density, Conducted | 1.: | 28 | |
| Spurious Emissions, Conducted | 1.: | 28 | |
| Radiated Emissions(<1GHz) | 9kHz~30MHz | 2.6 | |
| Radiated Emissions(<1GHz) | 30MHz~1GHz | 5.08 | |
| | 1GHz~6GHz | 4.02 | |
| Radiated Emissions(>1GHz) | 6GHz~18GHz | 4.62 | |
| | 18GHz~40GHz | 4.7 | |
| Occupied Bandwidth | 1. | 14 | |
| Conducted Emissions—AC mains | 9kHz~150KHz | 1.76 | |
| Conducted Emissions—AC mains | 150kHz~30MHz | 2.52 | |
| Conducted Emissions—Telecom | 2.0 | 64 | |



5 General Information

5.1 Client Information

| Applicant: Address of applicant: | SHENZHEN ELECTRON TECHNOLOGY CO., LTD. Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China. |
|-------------------------------------|---|
| Manufacturer: Address of | Same as applicant |
| Manufacturer: | Same as applicant |
| Factory: Address of Factory: | Same as applicant Same as applicant |

| Product Name: | Android Tablet | | |
|-------------------------|--|--|--|
| Model No.: | WF3288T, FA3288T, WF3288T-4K, FA3288T-4K | | |
| Test Model: | WF3288T | | |
| Test sample(s) ID: | 24092302001 | | |
| Sample(s) Status: | Continuously transmitter | | |
| S/N: | 1 | | |
| Hardware version: | 1 | | |
| Software version: | | | |
| Operation Frequency: | 2412MHz~2462MHz | | |
| Technic and Modulation: | 802.11b: DSSS 802.11g/802.11n: OFDM 802.11ax: OFDMA | | |
| Supported bandwidth: | 20MHz, 40MHz | | |
| Antenna gain: | Refer to section 5.7 for details | | |
| Power supply: | Adapter 1: Model: FJ-SW729S1205000N Input: AC 100-240V, 50/60Hz Output: DC 12V, 5A Adapter 2: Model: S06S-1A120500B3 Input: AC 100-240V, 50/60Hz Output: DC 12V, 5A | | |

5.2 General Description of EUT

List adapters were test and compliance with relevant requirement, the worst condition report (adapter 1)



5.3 Test mode(s)

| Mode 1: | continuously transmitting, with its lowest data rate which emit the max power level |
|---------|---|
| Mode 2: | |
| Mode 3: | |
| | |
| | |
| | |

| Channel list for 802.11 | | | | | | | |
|-------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2412MHz | 4 | 2427MHz | 7 | 2442MHz | 10 | 2457MHz |
| 2 | 2417MHz | 5 | 2432MHz | 8 | 2447MHz | 11 | 2462MHz |
| 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |





5.4 Test Facility

| | FCC Accredited Lab |
|---------------------------------------|---|
| The test facility is | Test Firm Registration Number: 638130 |
| recognized, certified, | Designation Number: CN1359 IC Registration Lab |
| or accredited by these organizations: | CAB Identifier No. CN0154 |
| | A2LA Accreditation Lab |
| | Certificate No.:7057.01 |

| | Name |
|--------------------|---|
| | GuangDong Set Sail Testing Co., Ltd. |
| Test Performed at: | Address |
| | 101, No.19, Tianxin Hudie 1st Road, Huangjiang Town, Dongguan, Guangdong, |
| | China |

5.5 Description of Support Units

| Device Type | Brand | Model | Series No. | Note |
|-------------|-------|----------|------------|------|
| Notebook PC | HP | ZHAN 66P | | |

5.6 Additional Instructions

| Test Software | Special test command used |
|-------------------|---------------------------|
| Power level setup | Default |

5.7 Antenna Information

| A | nt | Manufacturer | Model | Antenna Type | Antenna Gain (dBi) | Note |
|---|----|---|-------|-----------------|-----------------------|----------|
| 1 | 1 | Shenzhen Yishengbang Technology Co., Ltd | / | FPC | 1.67 | WiFi, BT |

All above information provided by the applicant which is fully responsible for those information.

5.8 Others

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver. The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



6 Technical Requirement and Measurement Data

6.1 Generally requirement

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

Reference to the appendix II for details



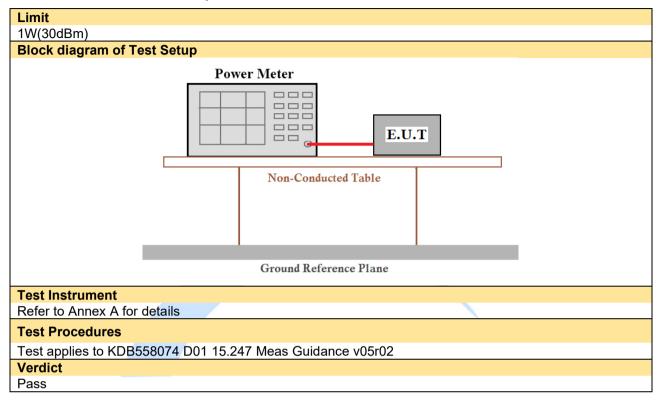


6.2 Duty Cycle

| Limit |
|--|
| Report for use |
| Block diagram of Test Setup |
| Spectrum Analyzer E.U.T Non-Conducted Table |
| Ground Reference Plane |
| Test Instrument |
| Refer to Annex A for details |
| Test Procedures |
| The transmitter output connected to the Spectrum Analyzer. Test according to Procedure 6.0)b in KDB 558074 v05r02. 1.RBW=8 MHz(the largest available value) 2.VBW=8 MHz(>RBW) 3.SPAN = 0 Hz 4.Detector = Peak 5.Number of points in sweep: 30001 6.Trace mode: Clear write 7.Measure T _{total} and T _{on} 8.Calculate Duty Cycle = T _{on} /T _{total} and Duty Cycle Factor = 10log(1/Duty Cycle) Verdict |
| Pass |
| |



6.3 Conducted Peak Output Power





6.4 Channel Bandwidth

| Limit |
|---|
| >500KHz |
| Block diagram of Test Setup |
| Spectrum Analyzer E.U.T Non-Conducted Table |
| Ground Reference Plane |
| Test Instrument Refer to Annex A for details |
| Test Procedures |
| Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 |
| Verdict |
| Pass |



6.5 Power Spectral Density

| Limit |
|---|
| 8dBm/3kHz |
| Block diagram of Test Setup |
| Spectrum Analyzer E.U.T Non-Conducted Table |
| Ground Reference Plane |
| Test Instrument Refer to Annex A for details |
| Test Procedures |
| Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 |
| Verdict |
| Pass |



6.6 Conducted Emission

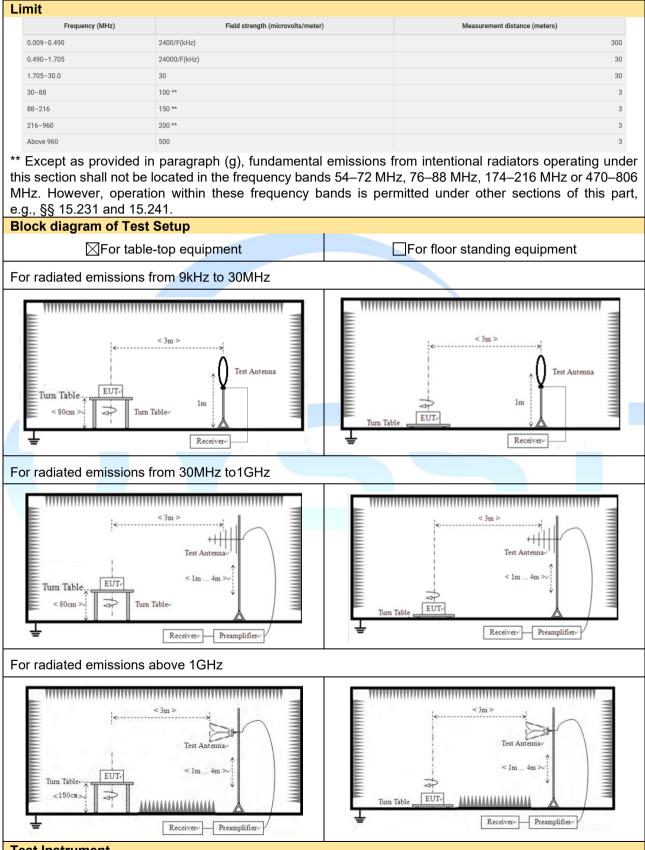
Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

| Block diagram of Test Setup |
|--|
| Spectrum Analyzer E.U.T Non-Conducted Table |
| Ground Reference Plane |
| Test Instrument Refer to Annex A for details |
| Test Procedures |
| Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 Verdict Pass |
| |
| Measurement Data: The detailed test data see Appendix |



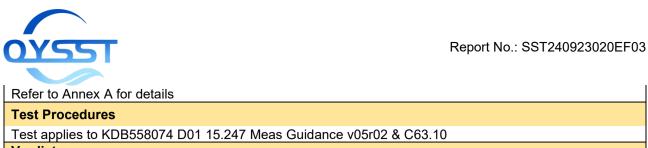
6.7 Radiated Spurious Emission



Test Instrument

GuangDong Set Sail Testing Co., Ltd.

101, No.19, Tianxin Hudie 1st Road, Huangjiang Town, Dongguan, Guangdong, China Tel: (86)-0769-26622875 Email: sst@sstesting.cn



Verdict Pass

Note: The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

Note2: For those undesirable emission (in the Restricted Bands and out-of-band spurious) above 1GHz, According to KDB 558074 and ANSI C63.10 subclause 11, as an alternative, antenna-port conducted measurements in conjunction with cabinet emissions tests will be permitted to demonstrate compliance.

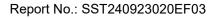




| tmode | | Mode 1 | | Polarity | | | Horizontal | | |
|-----------------------------------|--|---|--|---|--|--|---|--|--|
| t voltage | 9 | AC 120V/ | AC 120V/60Hz Temp. /Hum. 25 °C/60% | | | | | | |
| | | | | | | | | | |
| 90 | | | | | | | | | |
| 90 80 70 60 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| [m/\/rtgp]evel | | | | | | | | | |
|]exe [| | | | 345 | | | | | |
| 30 | | | - m | Mum | | Munthe Martin | Muran And M | | |
| 20 | | And and MANY MANAGER | W W | | Una Marine Marine | Mund warming | | | |
| 10 | abendangalise had the garage as your higher of h | PERSONAL MARKET | har har | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 0 30M | 1 | | 100M | | | | 1G | | |
| 0 | | Horizontal PK | 100M | Frequency[Hz] | | | 1G | | |
| 0 | | Horizontal PK | 100M | Frequency[Hz] | | | 1G | | |
| 0 | QP Limit | Horizontal PK | 100M | Frequency[Hz] | | | 16 | | |
| 0 | QP Limit | Horizontal PK | 100M | | | | 1G | | |
| 0 | QP Limit QP Detector | Factor | QP Value | QP Limit | QP Margin | Polarity | 1G Verdict | | |
| 0 30M | QP Limit QP Detector | | | | QP Margin [dB] | Polarity | | | |
| 0 30M | QP Limit QP Detector | Factor | QP Value | QP Limit | | Polarity Horizontal | | | |
| 0 30M | QP Limit QP Detector | Factor [dB] | QP Value [dBµV/m] | QP Limit [dBµV/m] | [dB] | | Verdict | | |
| NO. | QP Limit QP Detector Freq. [MHz] 171.3179 | Factor [dB] 9.85 | QP Value [dBµV/m] 36.12 | QP Limit [dBµV/m] 43.50 | [dB] | Horizontal | Verdict PASS | | |
| NO. | - QP Limit • QP Detector Freq. [MHz] 171.3179 175.574 | Factor [dB] 9.85 10.42 | QP Value [dBµV/m] 36.12 37.22 | QP Limit [dBµV/m] 43.50 43.50 | [dB] 7.38 6.28 | Horizontal Horizontal | Verdict PASS PASS | | |
| NO. 1 2 3 | - QP Limit • QP Detector Freq. [MHz] 171.3179 175.574 179.7783 | Factor [dB] 9.85 10.42 10.98 | QP Value [dBµV/m] 36.12 37.22 38.38 | QP Limit [dBµV/m] 43.50 43.50 43.50 | [dB] 7.38 6.28 5.12 | Horizontal Horizontal Horizontal | Verdict PASS PASS PASS | | |
| NO. 1 2 3 4 | - QP Limit • QP Detector Freq. [MHz] 171.3179 175.574 179.7783 183.2782 | Factor [dB] 9.85 10.42 10.98 11.19 | QP Value [dBµV/m] 36.12 37.22 38.38 39.26 | QP Limit [dBµV/m] 43.50 43.50 43.50 43.50 | [dB] 7.38 6.28 5.12 4.24 | Horizontal Horizontal Horizontal Horizontal | Verdict PASS PASS PASS PASS | | |
| NO. 1 2 3 4 5 | - QP Limit • QP Detector Freq. [MHz] 171.3179 175.574 179.7783 183.2782 183.2782 | Factor [dB] 9.85 10.42 10.98 11.19 11.39 | QP Value [dBµV/m] 36.12 37.22 38.38 39.26 38.94 | QP Limit [dBµV/m] 43.50 43.50 43.50 43.50 43.50 | [dB] 7.38 6.28 5.12 4.24 4.56 | Horizontal Horizontal Horizontal Horizontal Horizontal | Verdict PASS PASS PASS PASS PASS | | |
| NO. 1 2 3 4 5 6 | - QP Limit • QP Detector Freq. [MHz] 171.3179 175.574 179.7783 183.2782 183.2782 | Factor [dB] 9.85 10.42 10.98 11.19 11.39 12.61 | QP Value [dBµV/m] 36.12 37.22 38.38 39.26 38.94 37.16 | QP Limit [dBµV/m] 43.50 43.50 43.50 43.50 43.50 | [dB] 7.38 6.28 5.12 4.24 4.56 | Horizontal Horizontal Horizontal Horizontal Horizontal | Verdict PASS PASS PASS PASS PASS | | |



| t voltage | | | de 1 Polarity Vertical | | | | | |
|--|--|---|---|---|------------------------------|----------------------------------|---------------------------------|--|
| | | AC 120V/ | /60Hz | Temp. /H | lum. | 25 °C/60 | 25 °C/60% | |
| 90 80 70 60 60 40 30 20 | | | | | | | | |
| | QP Limit | • Vertical PK | 100M | Frequency[Hz] | | | 16 | |
| 0 30M - 0 + 0 | | Vertical PK Factor [dB] | 100M QP Value [dBµV/m] | Frequency[Hz] QP Limit [dBµV/m] | QP Margin [dB] | Polarity | 16 Verdict | |
| 0 30M • Q NO. | P Detector Freq. [MHz] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBµV/m] | | Polarity Vertical | Verdict | |
| 0 30M - 0 + 0 | P Detector | Factor | QP Value | QP Limit | [dB] | | | |
| 0 30M - 0 • 0 NO. 1 3 2 11 | Freq. [MHz] 2.7479 | Factor [dB] 11.36 | QP Value [dBµV/m] 30.28 | QP Limit [dBµV/m] 40.00 | [dB] 9.72 | Vertical | Verdict PASS | |
| NO. 1 3 2 12 3 12 | Freq. [MHz] 22.7479 15.6866 | Factor [dB] 11.36 11.64 | QP Value [dBµV/m] 30.28 39.49 | QP Limit [dBµV/m] 40.00 43.50 | [dB] 9.72 4.01 | Vertical Vertical | Verdict PASS PASS | |
| 0 30M • 0 • 0 | Freq. [MHz] 2.7479 15.6866 20.0243 | Factor [dB] 11.36 11.64 10.97 | QP Value [dBµV/m] 30.28 39.49 38.82 | QP Limit [dBµV/m] 40.00 43.50 43.50 | [dB] 9.72 4.01 4.68 | Vertical Vertical Vertical | Verdict PASS PASS PASS | |



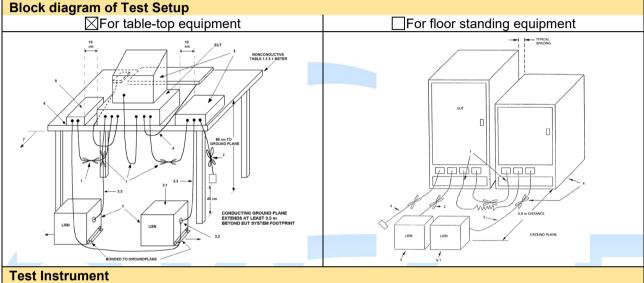


6.8 Conducted Emissions

| Limit | | |
|-----------------|------------|-----------|
| | | |
| Frequency (MHz) | Quasi-peak | Average |
| 0.15~0.50 | 66 to 56* | 56 to 46* |
| 0.50~5.0 | 56 | 46 |
| 5.0~30 | 60 | 50 |
| * 🗅 | | |

*Decreases with the logarithm of the frequency.

If the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector, the equipment under test shall be deemed to meet both limits and the measurement using the receiver with an average detector need not be carried out



Refer to Annex A for details

Test Procedures

The measurement was performed in a shield room.

Measured levels of ac power-line conducted emission shall be the radio-noise voltage from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), as terminated into a 50 Ω EMI receiver or spectrum analyzer. All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN, if used. The manufacturer shall test equipment with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended. For measurements using a LISN, the 50 Ω measuring port is terminated into a 50 Ω EMI receiver or spectrum analyzer. All other ports are terminated into 50 Ω loads.

Table top devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

The bandwidth of the test receiver is set at 9 kHz. Verdict Pass



| est mode | | Mode 1 | | | Polarity | | | Line | | | | |
|---|--------------------|--|-----------------------|---|-----------------------------|-----------------------|-----------------------|----------------------|---------|-----------|-----|--|
| est voltage | | | AC 120V/60Hz | | | Temp. /Hum. | | | 25 °C | 25 °C/60% | | |
| | 2 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | Mr. M. daym Aur M. | rymania Ny vonda Ny firm | | an de forma de series | موانية الوجو مواريم | | | | |
| 1504 | ← QP Li ◆ QP De | | AV Detector | 1M K — AV | F | requency[Hz] | | | 10M | | 30M | |
| - | NO. | Freq. [MHz] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Verdict | Туре | | |
| | 1 | 0.1545 | 41.71 | 65.75 | 24.04 | 17.35 | 55.75 | 38.40 | PASS | L | | |
| | 2 | 0.168 | 40.66 | 65.06 | 24.40 | 22.01 | 55.06 | 33.05 | PASS | L | | |
| | 3 | 0.375 | 32.41 | 58.39 | 25.98 | 25.48 | 48.39 | 22.91 | PASS | L | | |
| | 4 | 0.4335 | 31.17 | 57.19 | 26.02 | 22.21 | 47.19 | 24.98 | PASS | L | | |
| | 5 | 0.483 | 30.23 | 56.29 | 26.06 | 22.17 | 46.29 | 24.12 | PASS | L | | |
| | 6 | 0.546 | 29.31 | 56.00 | 26.69 | 21.80 | 46.00 | 24.20 | PASS | L | | |
| L bte: Final L actor= LISN nly the wor | l Fact | or + Cal | ole Loss | | | L | L | | | | | |



| est voltage AC 120V/60Hz Temp. /Hum. 25 °C/60% | st mode | | | Mode 1 | | | Polarity | / | | Neutra | | |
|---|--|--|--|---|--|---|--|--|---|--------------------------------------|-----------------------|-----|
| $\frac{1}{1} \underbrace{\int_{O} P L m}_{1 \text{ of } 10^{-1}} \underbrace{\int_{O} P L m}_{1 \text{ o } 10^{-1}} \underbrace{\int_{O} P L m}_{1 $ | st voltage | | | AC 120V/60Hz | | | | Temp. /Hum. | | | 25 °C/60% | |
| 10k 1 | 90 - 80 - 70 - 60 - 50 - 50 - 30 - 20 - 10 - | | 2 3 | | s y way y y | Mannado Millin | | | en an | | | |
| 100 101 1 | | | | | | | | | | | | |
| OP Limit - PK - AV • OP Detector • AV Detector | | lk | | | 1M | | | | | 10M | | 30M |
| Final Data List NO. Freq. [MHz] QP Value [dBµV] QP Limit [dBµV] QP Margin [dB] AV Value [dBµV] AV Limit [dBµV] AV Margin [dB] Verdict Margin [dBµV] Type 1 0.159 41.34 65.52 24.18 17.00 55.52 38.52 PASS N 2 0.2175 38.78 62.91 24.13 26.17 52.91 26.74 PASS N 3 0.3165 35.61 59.80 24.19 25.37 49.80 24.43 PASS N 4 0.429 37.74 57.27 19.53 31.88 47.27 15.39 PASS N 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | | | | | | | | | | | | |
| NO. Freq. [MHz] QP Value [dBµV] QP Limit [dBµV] QP Margin [dB] AV Value [dBµV] AV Limit [dBµV] AV Margin [dB] Verdict Margin [dB] Type 1 0.159 41.34 65.52 24.18 17.00 55.52 38.52 PASS N 2 0.2175 38.78 62.91 24.13 26.17 52.91 26.74 PASS N 3 0.3165 35.61 59.80 24.19 25.37 49.80 24.43 PASS N 4 0.429 37.74 57.27 19.53 31.88 47.27 15.39 PASS N 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | | | | | рк <u>—</u> АV | F | requency[Hz] | | | | | |
| NO. Freq. [MHz] Value [dBµV] Limit [dBµV] Margin [dB] Value [dBµV] Limit [dBµV] Margin [dB] Verdict Type 1 0.159 41.34 65.52 24.18 17.00 55.52 38.52 PASS N 2 0.2175 38.78 62.91 24.13 26.17 52.91 26.74 PASS N 3 0.3165 35.61 59.80 24.19 25.37 49.80 24.43 PASS N 4 0.429 37.74 57.27 19.53 31.88 47.27 15.39 PASS N 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | | | | | РК — АV | F | requency[Hz] | | | | | |
| 2 0.2175 38.78 62.91 24.13 26.17 52.91 26.74 PASS N 3 0.3165 35.61 59.80 24.19 25.37 49.80 24.43 PASS N 4 0.429 37.74 57.27 19.53 31.88 47.27 15.39 PASS N 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | [| • QP D | etector • | AV Detector | РК <u>—</u> AV | | requency[Hz] | | | | | |
| 3 0.3165 35.61 59.80 24.19 25.37 49.80 24.43 PASS N 4 0.429 37.74 57.27 19.53 31.88 47.27 15.39 PASS N 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | | • QP D | etector • al Data Freq. | AV Delector List QP Value | QP Limit | QP Margin | AV Value | Limit | Margin | Verdict | Туре | |
| 40.42937.7457.2719.5331.8847.2715.39PASSN50.49235.6156.1320.5226.8546.1319.28PASSN | | • QP D Fina NO. | al Data Freq. [MHz] | AV Detector List QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | Limit [dBµV] | Margin [dB] | | | |
| 5 0.492 35.61 56.13 20.52 26.85 46.13 19.28 PASS N | | • QP D Fina NO. | al Data Freq. [MHz] 0.159 | AV Detector List QP Value [dBµV] 41.34 | QP Limit [dBµV] 65.52 | QP Margin [dB] 24.18 | AV Value [dBµV] 17.00 | Limit [dBµV] 55.52 | Margin [dB] 38.52 | PASS | N | |
| | | • QPD Fina NO. 1 2 | elector • al Data Freq. [MHz] 0.159 0.2175 | AV Detector List QP Value [dBµV] 41.34 38.78 | QP Limit [dBµV] 65.52 62.91 | QP Margin [dB] 24.18 24.13 | AV Value [dBµV] 17.00 26.17 | Limit [dBµV] 55.52 52.91 | Margin [dB] 38.52 26.74 | PASS PASS | N N | |
| 6 0.6 32.74 56.00 23.26 22.82 46.00 23.18 PASS N | | • QPD Fina NO. 1 2 3 | Interview Interview Freq. [MHz] 0.159 0.2175 0.3165 0.3165 | AV Detector List QP Value [dBµV] 41.34 38.78 35.61 | QP Limit [dBµV] 65.52 62.91 59.80 | QP Margin [dB] 24.18 24.13 24.19 | AV Value [dBμV] 17.00 26.17 25.37 | Limit [dBµV] 55.52 52.91 49.80 | Margin [dB] 38.52 26.74 24.43 | PASS PASS PASS | N N N | |
| | | • QPD Fina NO. 1 2 3 4 | Image: Data Freq. [MHz] 0.159 0.2175 0.3165 0.429 | AV Detector List QP Value [dBµV] 41.34 38.78 35.61 37.74 | QP Limit [dBµV] 65.52 62.91 59.80 57.27 | QP Margin [dB] 24.18 24.13 24.19 19.53 | AV Value [dBμV] 17.00 26.17 25.37 31.88 | Limit [dBµV] 55.52 52.91 49.80 47.27 | Margin [dB] 38.52 26.74 24.43 15.39 | PASS PASS PASS PASS | N N N N | |
| | | OP D Fina NO. 1 2 3 4 5 | Freq. [MHz] 0.159 0.2175 0.3165 0.429 0.492 | AV Detector List QP Value [dBµV] 41.34 38.78 35.61 37.74 35.61 | QP Limit [dBµV] 65.52 62.91 59.80 57.27 56.13 | QP Margin [dB] 24.18 24.13 24.19 19.53 20.52 | AV Value [dBµV] 17.00 26.17 25.37 31.88 26.85 | Limit [dBµV] 55.52 52.91 49.80 47.27 46.13 | Margin [dB] 38.52 26.74 24.43 15.39 19.28 | PASS PASS PASS PASS PASS | N N N N N | |

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Test Setup Photo Reference to the appendix I for details.

EUT Constructional Details 8 Reference to the **appendix II** for details.





Annex A -- Test Instruments list

| Radiated Emission: | | | | | | | | | |
|--------------------|--------------------------------|--------------|---------------------|--------------|----------------------|------------|--|--|--|
| Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. cycle | Cal.Date | | | |
| SST-E-SAC001 | 3m Semi- Anechoic Chamber | BOST | 966 | 1 | 3 years | 2023.01.07 | | | |
| SST-E-SCC001 | Control Room | BOST | 333 | / | 3 years | 2023.01.07 | | | |
| SST-E-SAC002 | Breiband TRILOG Messantenne | Schwarzbeck | VULB 9162 | 00556 | 1 year | 2024.04.20 | | | |
| SST-E-SAC004 | Broad-band Horn Antenna | Schwarzbeck | BBHA 9120 D | 02783 | 1 year | 2024.04.16 | | | |
| SST-E-SCC003 | EMI Test Receiver | R&S | ESU 8 | 100372 | 1 year | 2024.04.16 | | | |
| SST-E-SCC004 | Amplifier | Schwarzbeck | BBV 9744 | 00327 | 1 year | 2024.04.16 | | | |
| SST-E-SCC015 | Amplifie (1-18GHz) | TSTPASS | LNA10180G45 | TSAM2303003 | 1 year | 2024.04.16 | | | |
| SST-E-SCC016 | Amplifier (40G) | RFsystem | TRLA- 180400G45B | 23060801 | 1 year | 2024.04.16 | | | |
| SST-E-SAC006 | Broadband Horn Antenna(40G) | Schwarzbeck | BBHA9170 | 01306 | 1 year | 2024.04.17 | | | |
| SST-E-RSC010 | Spectrum analyzer | R&S | FSV40-N | 1 | 1 year | 2024.04.16 | | | |
| SST-E-SAC007 | Loop Antenna | Schwarzbeck | FMZB 1513- 60B | 1513-60B 044 | 1 year | 2024.04.17 | | | |
| SST-E-SAC005 | 5W 6dB attenuator | 1 | DC-6GHz | 1 | Internal calibration | / | | | |
| SST-E-EMC006 | Thermohygrometer | KTJ | TA218A | 879030 | 1 year | 2024.04.18 | | | |
| 1 | EMI Test Software | Tonscend | TS+ | / | / | 1 | | | |

| Conducted Emission | | | | | | | | | |
|--------------------|-------------------------------|--------------|-----------|------------|----------------------|------------|--|--|--|
| Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. cycle | Cal.Date | | | |
| SST-E-CSC001 | Shielding Room | BOST | 854 | / | 3 year | 2023.01.07 | | | |
| SST-E-CSC002 | EMI Test Receiver | R&S | ESR3 | 103057 | 1 year | 2024.04.16 | | | |
| SST-E-CSC003 | LISN | R&S | ENV 216 | 102832 | 1 year | 2024.04.16 | | | |
| SST-E-CSC004 | ISN | R&S | NTFM 8158 | 00347 | 1 year | 2024.04.16 | | | |
| SST-E-CSC007 | Antenna port test assembly | / | DC-3GHz | 1 | Internal calibration | 1 | | | |
| SST-E-EMC011 | Thermohygrometer | КТЈ | TA218A | 879036 | 1 year | 2024.04.18 | | | |
| / | EMI Test Software | Tonscend | TS+ | V4.0 | / | 1 | | | |





| RF conducted | | | | | | | | | |
|--------------------|----------------------|--------------|-----------|------------|------------|------------|--|--|--|
| Equipment No. | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. cycle | Cal.Date | | | |
| SST-E-RSC001 | Shielding Room | BOST | 543 | / | 3 year | 2023.01.07 | | | |
| SST-E-RSC007 | Spectrum analyzer | keysight | N9020A | MY51280659 | 1 year | 2024.04.16 | | | |
| SST-E-RSC008 | Analog signal source | Agilent | N5181A | MY48180054 | 1 year | 2024.04.16 | | | |
| SST-E-RSC009 | Vector signal source | keysight | N5172B | MY57281610 | 1 year | 2024.04.16 | | | |
| SST-E-EMC007 | Thermohygrometer | KTJ | TA218A | 879032 | 1 year | 2024.04.18 | | | |
| SST-E-RSC010 | Spectrum analyzer | R&S | FSV40-N | / | 1 year | 2024.04.16 | | | |
| SST-E-RSC015- 1 | Power meter 1 | TST | TST V2 | / | 1 year | 2024.04.16 | | | |
| / | Test Software | TST PASS | TST PASS | V2.0 | / | 1 | | | |



