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EMC VERIFICATION SUMMARY

Report No. 17050841HKG-001

Electric household products

ITE

Others _____

| Model: Refer to P.2 of Report | | | | Applicant: Global Connect Electronics Ltd. Unit 1508, 15/F., Telford House, 16 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong. | | | |
|--|-------------------------------------|--------------------------|--------------------------|---|-------------------------------------|--------------------------|--------------------------|
| Product Description: Corded Phone | | | | Sample Receipt Date: 03 Mar 2017 | | | |
| Test Conducted Date: 06 Mar 2017 to 06 Apr 2017 | | | | | | | |
| <input checked="" type="checkbox"/> 1 st TEST <input type="checkbox"/> 2 nd TEST (after modification) | | | | ALL TESTS WERE CONDUCTED IN ACCORDANCE WITH: * EN 55032 : 2012 * EN 55024 (EN 61000-4-2) : 2010 * EN 55024 (EN 61000-4-3) : 2010 * EN 55024 (EN 61000-4-4) : 2010 * EN 55024 (EN 61000-4-6) : 2010 | | | |
| Test Result | OK | Not OK | See Remark | Test Result | OK | Not OK | See Remark |
| EN 55032 : 2012 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | EN 61000-4-4 : 2004+A1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EN 61000-3-2 : 2014 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | EN 61000-4-5 : 2006 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EN 61000-3-3 : 2013 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | EN 61000-4-6 : 2009 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EN 61000-4-2 : 2009 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | EN 61000-4-11 : 2004 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EN 61000-4-3 : 2006+A1+A2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| When determining the test conclusion, the Measurement Uncertainty of test has been considered. | | | | | | | |

Remark: All technical data is referred to previous report 17030124HKG-005 dated 06 Apr 2017.

Prepared and Checked by:

Approved by:

Signed On File
Kwong Kwok Fung
Assistant Engineer

Chan Chi Hung, Terry
Assistant Manager

31 May 2017 **Date**

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EMC VERIFICATION SUMMARY

Report No. 17050841HKG-001

(Cont'd)

Model: GCE6231,
GCE2100, GCE2101, GCE2122, GCE2155, GCE2177, GCE2188, GCE2311, GCE2322, GCE2355,
GCE2366, GCE2388, GCE2399, GCE2511, GCE2522, GCE2700, GCE2701, GCE2900, GCE2901,
GCE2911, GCE2922, GCE2933, GCE2951, GCE2955, GCE2966, GCE2977, GCE2988, GCE3011,
GCE3033, GCE3100, GCE4001, GCE5004, GCE5004T, GCE5206, GCE5218, GCE5220, GCE5912,
GCE5916, GCE5928, GCE5933, GCE6008, GCE6009, GCE6010, GCE6011, GCE6012, GCE6012T,
GCE6013, GCE6019, GCE6019TAD, GCE6020, GCE6020TAD, GCE6026, GCE6028, GCE6029,
GCE6030, GCE6030T, GCE6031, GCE6031T, GCE6033, GCE6052, GCE6081, GCE6083,
GCE6085, GCE6087, GCE6088, GCE6088T, GCE6095, GCE6096, GCE6097, GCE6099, GCE6101,
GCE6103, GCE6105, GCE6108, GCE6109, GCE6110, GCE6112, GCE6113, GCE6115, GCE6116,
GCE6117, GCE6118, GCE6119, GCE6120, GCE6122, GCE6123, GCE6126, GCE6127, GCE6128,
GCE6129, GCE6130, GCE6131, GCE6131W, GCE6132, GCE6133, GCE6134, GCE6135,
GCE6136, GCE6136SOS, GCE6137, GCE6138, GCE6139, GCE6201, GCE6202, GCE6203,
GCE6205, GCE6206, GCE6206C, GCE6207, GCE6208, GCE6210, GCE6211, GCE6211T,
GCE6212, GCE6213, GCE6215 GCE6216, GCE6217, GCE6218, GCE6219, GCE6220, GCE6223,
GCE6225, GCE6226, GCE6227, GCE6228, GCE6229, GCE6232, GCE6233, GCE6235, GCE6236,
GCE6237, GCE6238, GCE6239, GCE6251, GCE6252, GCE6253, GCE6255, GCE6256, GCE6257,
GCE6258, GCE6259, GCE6260, GCE6261, GCE6262, GCE6266, GCE6267, GCE6268, GCE6269,
GCE6270, GCE6263, GCE6265, GCE6031W, GCE6097W, GCE6131Q, GCE6219B, GCE6019W,
GCE6212W, GCE6257TAD, GCE6271, GCE6272, GCE6273, GCE6275, GCE6276, GCE6277,
GCE6278, GCE6279, GCE6280, GCE1101, GCE3055, GCE3066, GCE4002, GCE5913,
GCE5928P, GCE5931, GCE5931FM, GCE5931P, GCE6019SD, GCE6020W, GCE6028W,
GCE6087P, GCE6087W, GCE6092, GCE6122W, GCE6122TAD, GCE6219W, GCE6265TAD,
GCE6265SOS, GCE6268TAD, GCE6268SOS, GCE6207TAD, GCE6083TAD, GCE6136TAD,
GCE6223TAD, GCE3077, GCE3088, GCE3122, GCE3133, GCE3155, GCE3166, GCE3177,
GCE3188, GCE3199, GCE3200, SIRIO CLASSICO, TK-6105, TK-6085, TK-6101, TK-6116, TK-3800,
TK-4800, TK-2800, TK-2900, TK-2355, TK-2366, TK-2700, TK-6103, TK-6109, TK-6117, 3804N,
3606N, 3609N, 3609R, 3604N, 3608B, 3607N, 3294B, 3293B, 3287, 3606O, 3606T, 3606R, TLC4,
3288N, 3803, 3803R, 3610N, 3610B, 3611N, A24Class

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Report No.: 17050841HKG-001

EMC Results Conclusion (with Justification)

RE: EMC Testing Pursuant to EMC Directive 2014/30/EU Performed On the
Corded Phone,

Model: GCE6231

GCE2100, GCE2101, GCE2122, GCE2155, GCE2177, GCE2188,
GCE2311, GCE2322, GCE2355, GCE2366, GCE2388, GCE2399,
GCE2511, GCE2522, GCE2700, GCE2701, GCE2900, GCE2901,
GCE2911, GCE2922, GCE2933, GCE2951, GCE2955, GCE2966,
GCE2977, GCE2988, GCE3011, GCE3033, GCE3100, GCE4001,
GCE5004, GCE5004T, GCE5206, GCE5218, GCE5220, GCE5912,
GCE5916, GCE5928, GCE5933, GCE6008, GCE6009, GCE6010,
GCE6011, GCE6012, GCE6012T, GCE6013, GCE6019,
GCE6019TAD, GCE6020, GCE6020TAD, GCE6026, GCE6028,
GCE6029, GCE6030, GCE6030T, GCE6031, GCE6031T, GCE6033,
GCE6052, GCE6081, GCE6083, GCE6085, GCE6087, GCE6088,
GCE6088T, GCE6095, GCE6096, GCE6097, GCE6099, GCE6101,
GCE6103, GCE6105, GCE6108, GCE6109, GCE6110, GCE6112,
GCE6113, GCE6115, GCE6116, GCE6117, GCE6118, GCE6119,
GCE6120, GCE6122, GCE6123, GCE6126, GCE6127, GCE6128,
GCE6129, GCE6130, GCE6131, GCE6131W, GCE6132, GCE6133,
GCE6134, GCE6135, GCE6136, GCE6136SOS, GCE6137, GCE6138,
GCE6139, GCE6201, GCE6202, GCE6203, GCE6205, GCE6206,
GCE6206C, GCE6207, GCE6208, GCE6210, GCE6211, GCE6211T,
GCE6212, GCE6213, GCE6215, GCE6216, GCE6217, GCE6218,
GCE6219, GCE6220, GCE6223, GCE6225, GCE6226,
GCE6227, GCE6228, GCE6229, GCE6232, GCE6233, GCE6235,
GCE6236, GCE6237, GCE6238, GCE6239, GCE6251, GCE6252,
GCE6253, GCE6255, GCE6256, GCE6257, GCE6258, GCE6259,
GCE6260, GCE6261, GCE6262, GCE6266, GCE6267, GCE6268,
GCE6269, GCE6270, GCE6263, GCE6265, GCE6031W,
GCE6097W, GCE6131Q, GCE6219B, GCE6019W, GCE6212W,
GCE6257TAD, GCE6271, GCE6272, GCE6273, GCE6275, GCE6276,
GCE6277, GCE6278, GCE6279, GCE6280, GCE1101, GCE3055,
GCE3066, GCE4002, GCE5913, GCE5928P, GCE5931, GCE5931FM,
GCE5931P, GCE6019SD, GCE6020W, GCE6028W, GCE6087P,
GCE6087W, GCE6092, GCE6122W, GCE6122TAD, GCE6219W,
GCE6265TAD, GCE6265SOS, GCE6268TAD, GCE6268SOS,
GCE6207TAD, GCE6083TAD, GCE6136TAD, GCE6223TAD,
GCE3077, GCE3088, GCE3122, GCE3133, GCE3155, GCE3166,
GCE3177, GCE3188, GCE3199, GCE3200, SIRIO CLASSICO, TK-
6105, TK-6085, TK-6101, TK-6116, TK-3800, TK-4800, TK-2800, TK-
2900, TK-2355, TK-2366, TK-2700, TK-6103, TK-6109, TK-6117,
3804N, 3606N, 3609N, 3609R, 3604N, 3608B, 3607N, 3294B, 3293B,
3287, 3606O, 3606T, 3606R, TLC4, 3288N, 3803, 3803R, 3610N,
3610B, 3611N, A24Class

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Tel: (852) 2173 8888 Fax: (852) 2785 5487 Website: www.hk.intertek-eltsemko.com

EMC Results Conclusion (with Justification)

(Cont'd)

We tested the previous submitted sample, Corded Phone (as refer to our previous report number 17030124HKG-005 dated 06 Apr 2017), to determine if it was in compliance with the relevant EN standards as marked on the EMC Verification Summary. We found that the unit met the requirement of EN 55032 and EN 55024 standards when tested as received.

The Models: GCE2100, GCE2101, GCE2122, GCE2155, GCE2177, GCE2188, GCE2311, GCE2322, GCE2355, GCE2366, GCE2388, GCE2399, GCE2511, GCE2522, GCE2700, GCE2701, GCE2900, GCE2901, GCE2911, GCE2922, GCE2933, GCE2951, GCE2955, GCE2966, GCE2977, GCE2988, GCE3011, GCE3033, GCE3100, GCE4001, GCE5004, GCE5004T, GCE5206, GCE5218, GCE5220, GCE5912, GCE5916, GCE5928, GCE5933, GCE6008, GCE6009, GCE6010, GCE6011, GCE6012, GCE6012T, GCE6013, GCE6019, GCE6019TAD, GCE6020, GCE6020TAD, GCE6026, GCE6028, GCE6029, GCE6030, GCE6030T, GCE6031, GCE6031T, GCE6033, GCE6052, GCE6081, GCE6083, GCE6085, GCE6087, GCE6088, GCE6088T, GCE6095, GCE6096, GCE6097, GCE6099, GCE6101, GCE6103, GCE6105, GCE6108, GCE6109, GCE6110, GCE6112, GCE6113, GCE6115, GCE6116, GCE6117, GCE6118, GCE6119, GCE6120, GCE6122, GCE6123, GCE6126, GCE6127, GCE6128, GCE6129, GCE6130, GCE6131, GCE6131W, GCE6132, GCE6133, GCE6134, GCE6135, GCE6136, GCE6136SOS, GCE6137, GCE6138, GCE6139, GCE6201, GCE6202, GCE6203, GCE6205, GCE6206, GCE6206C, GCE6207, GCE6208, GCE6210, GCE6211, GCE6211T, GCE6212, GCE6213, GCE6215, GCE6216, GCE6217, GCE6218, GCE6219, GCE6220, GCE6223, GCE6225, GCE6226, GCE6227, GCE6228, GCE6229, GCE6232, GCE6233, GCE6235, GCE6236, GCE6237, GCE6238, GCE6239, GCE6251, GCE6252, GCE6253, GCE6255, GCE6256, GCE6257, GCE6258, GCE6259, GCE6260, GCE6261, GCE6262, GCE6266, GCE6267, GCE6268, GCE6269, GCE6270, GCE6263, GCE6265, GCE6031W, GCE6097W, GCE6131Q, GCE6219B, GCE6019W, GCE6212W, GCE6257TAD, GCE6271, GCE6272, GCE6273, GCE6275, GCE6276, GCE6277, GCE6278, GCE6279, GCE6280, GCE1101, GCE3055, GCE3066, GCE4002, GCE5913, GCE5928P, GCE5931, GCE5931FM, GCE5931P, GCE6019SD, GCE6020W, GCE6028W, GCE6087P, GCE6087W, GCE6092, GCE6122W, GCE6122TAD, GCE6219W, GCE6265TAD, GCE6265SOS, GCE6268TAD, GCE6268SOS, GCE6207TAD, GCE6083TAD, GCE6136TAD, GCE6223TAD, GCE3077, GCE3088, GCE3122, GCE3133, GCE3155, GCE3166, GCE3177, GCE3188, GCE3199, GCE3200, SIRIO CLASSICO, TK-6105, TK-6085, TK-6101, TK-6116, TK-3800, TK-4800, TK-2800, TK-2900, TK-2355, TK-2366, TK-2700, TK-6103, TK-6109, TK-6117, 3804N, 3606N, 3609N, 3609R, 3604N, 3608B, 3607N, 3294B, 3293B, 3287, 3606O, 3606T, 3606R, TLC4, 3288N, 3803, 3803R, 3610N, 3610B, 3611N and A24Class are the same as the Model: GCE6231 in hardware aspect. The models are difference in model number and brand name only.

EMC Results Conclusion (with Justification)

(Cont'd)

The production units are required to conform to the initial sample as received when the units are placed on the market.

Standard against which no testing has been conducted of the captioned model and the engineering judgement is stated as follow:

EN 61000-3-2 According to EN 61000-3-2 : 2006+A1+A2 clause 7, equipment with a rated power less than or equal to 75W is deemed to fulfil all relevant requirements of this standard without testing.

Ctrl. No.: 1.2.1

INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

LABORATORY MEASUREMENTS

Configuration Information

| | |
|------------------------------------|--|
| Equipment Under Test (EUT): | Corded Phone |
| Model: | GCE6231 |
| Serial No.: | Not Labelled |
| Support Equipment: | 1) Telephone Line Simulator Model: TLS-5 2) 1 x Corded Phone (Supplied by Intertek) |
| Cables: | 1 x 3m telephone line |
| AC-DC Adaptor: | N/A |
| Rated Voltage: | Powered by PSTN |
| HW Version: | 6231ETIT-AMB VER:A/0 6231ETIT-LB VER:A/0 6231ETIT-KB VER:A/0 |
| SW Version: | 61A |

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

EN 55032 Emissions Test

Used Test Equipment

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------|---|--------------|------------------------------|------------|
| EW-2666 | EMI Test Receiver (9kHz to 7GHz) | R&S | ESC17 | 100792 |
| EW-2188 | Spectrum Analyser | Agilent | E4407B | MY45103609 |
| EW-0954 | Biconical Antenna | EMCO | 3104C | 9911-4872 |
| EW-0446 | Log Periodic Antenna | EMCO | 3146 | 9905-5219 |
| EW-2528 | 14m Double Shield RF Cable (20MHz - 6GHz) | RADIALL | nm / br5d / sma 14m | Nil |
| EW-2074 | 14m Double Shield RF Cable (20MHz to 6GHz) | RADIALL | N(m)-RG142- BNC(m) L= 14M | Nil |

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

Data Table

Radiated Scan Pursuant to EN 55032 : Class B Emissions Requirement

| Polarization | Frequency (MHz) | Net at 3m (dB μ V/m) | Limit at 3m (dB μ V/m) | Margin (dB) |
|--------------|-----------------|--------------------------|----------------------------|-------------|
| V | 34.134 | 23.5 | 40 | -16.5 |
| V | 75.763 | 24.6 | 40 | -15.4 |
| V | 96.894 | 25.7 | 40 | -14.3 |
| V | 127.566 | 26.8 | 40 | -13.2 |
| H | 188.986 | 25.9 | 40 | -14.1 |
| H | 245.784 | 24.0 | 47 | -23.0 |

Notes: 1. Quasi-Peak Detector Data

2. Negative sign (-) in the margin column signify levels below the limit
3. Frequency range scanned: 30 MHz to 1000 MHz
4. Only emissions significantly above equipment noise floor are reported
5. Measurement Uncertainty: ± 5.3 dB

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

Data Table

Asymmetric Mode Conducted Emission Test for Wired Network Port Pursuant to EN 55032

Used Test Equipment

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------|-------------------------------------|--------------|-----------------------------------|------------|
| EW-2666 | EMI Test Receiver | R&S | ESC17 | 100792 |
| EW-0192 | Artificial Mains | R&S | ESH3-Z5 | 828874/016 |
| EW-3248 | Pulse Limiter | R&S | ESH3-Z2 | 102339 |
| EW-2458 | Impedance Stabilization Network ISN | TESEQ | ISN T400A | 25653 |
| EW-2451 | RF Cable 80cm (RG142) | RADIALL | bnc m st / 142 / bnc m st 80cm | Nil |

1. The attached graph and table were recorded for the tests on the wired network port.
2. A graph of Ctrl. No.: 3.3.1 is attached.

Ctrl. No.: 3.3

INTERTEK TESTING SERVICES

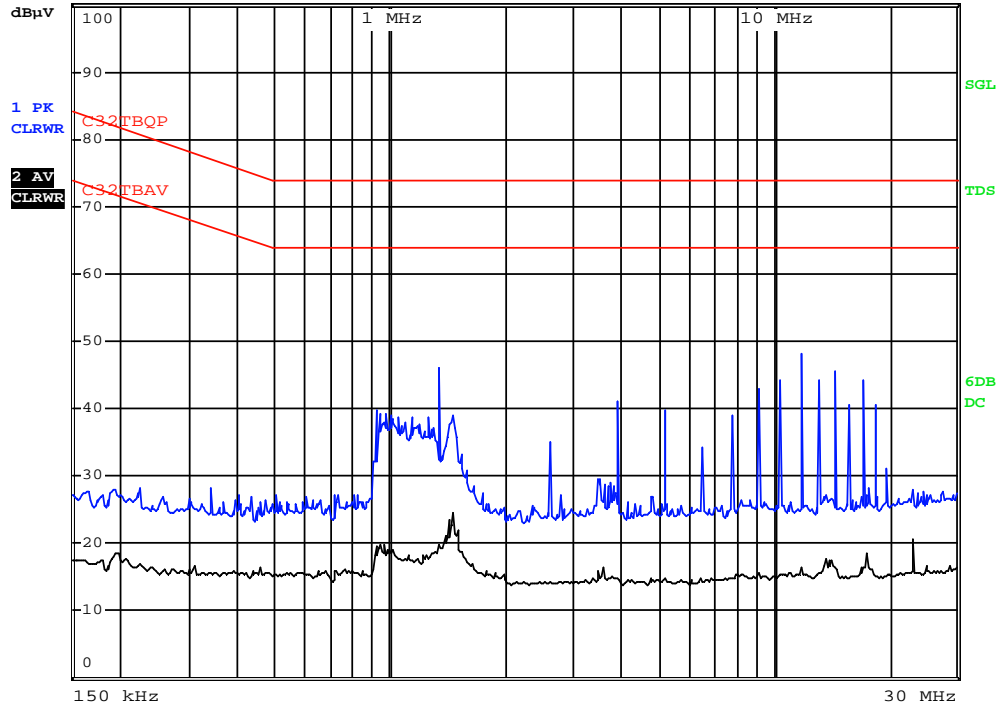
Applicant: Global Connect Electronics Ltd.
Model: GCE6231
Tested Mode: Ringing
Tested Port: Wired Network Port

Report No.: 17050841HKG-001



RBW 120 kHz
MT 20 ms

Att 10 dB AUTO PREAMP OFF



Date: 6.MAR.2017 18:11:15

Ctrl. No.: 3.3.1

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

EN 61000-4-2 Electrostatic Discharge

Test Summary (Pursuant to EN 55024)

| | | |
|---------------------------------|--|---|
| Basic Standard: | EN 61000-4-2 | |
| Port: | Enclosure | |
| Required Performance Criterion: | B | |
| Level: | ±8.0 kV (Air Discharge) ±4.0 kV (Contact Discharge) ±4.0 kV (Indirect Contact Discharge) | |
| Time Between Each Discharge: | 1 second | |
| Temperature: | 23°C | |
| Relative Humidity: | 55% | |
| Atmospheric Pressure: | 100kPa | |
| Test Mode: | Standby, Speakerphone On Line, Ringing, Redial, Handset On Line | |
| Test Setup: | Table-top | |
| Test of Post-installation: | N/A | |
| Test Point: | Air Discharge: | All insulated enclosure and seams All the points where contact discharge cannot be applied |
| | Contact: | All conductive surfaces of the EUT |
| | HCP: | All sides of the EUT |
| | VCP: | Four faces of the EUT |

Used Test Equipment

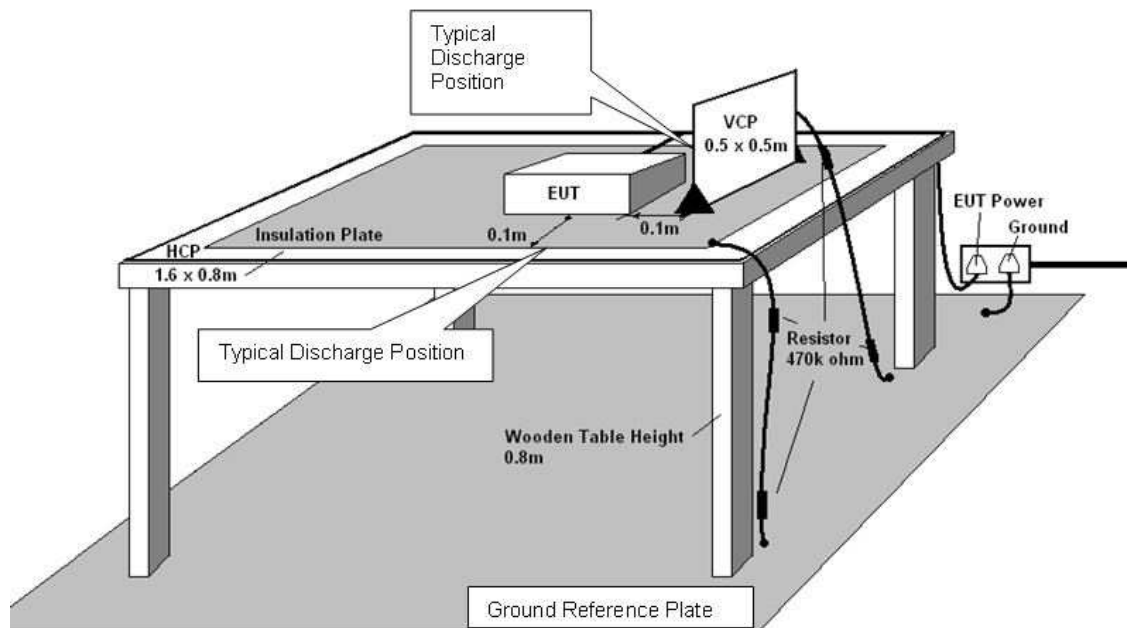
| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------|-----------|--------------|-----------|------------|
| EW-2756 | ESD Gun | Kikusui | KES4021A | RG004234 |

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

The typical table-top test setup is as follow:



INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

Test Results

EN 61000-4-2 Electrostatic Discharge

| Discharge Type | No. of discharge | Applied Voltage | Result (Pursuant to EN 55024 criterion B) |
|------------------------|------------------|-----------------|--|
| Contact Discharge | 25 | +4kV | OK |
| | 25 | -4kV | OK |
| Air Discharge | 10 | +8kV | OK |
| | 10 | -8kV | OK |
| Indirect HCP Discharge | 25 | +4kV | OK |
| | 25 | -4kV | OK |
| Indirect VCP Discharge | 25 | +4kV | OK |
| | 25 | -4kV | OK |

Additional Information

See additional information

Meet particular performance criteria stated in the relevant Annex(s) of EN 55024.

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

EN 61000-4-3 Radiated Immunity

Test Summary (Pursuant to EN 55024)

| | |
|---------------------------------|---|
| Basic Standard: | EN 61000-4-3 |
| Port: | Enclosure |
| Required Performance Criterion: | A |
| Level: | 3.0 V/m (rms) |
| Test Modulation: | 1kHz, 80% AM |
| Frequency: | 80 MHz to 1000 MHz |
| Dwell Time: | 1s |
| Frequency Step: | 1% |
| Temperature: | 24°C |
| Relative Humidity: | 43% |
| Test Facility: | Full Anechoic Chamber |
| Antenna Polarization: | Horizontal and Vertical |
| Type of Antenna: | Bi-Conic Log-Periodic (Hybrid) |
| Test Distance: | 3m |
| Test Mode: | Standby, Speakerphone On Line, Ringing, Redial, Handset On Line |
| Test Setup: | Table-top |
| Size of the EUT: | 22.0 (cm) x 17.5 (cm) x 9.5 (cm) |

Used Test Equipment

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------|---|--------------|-----------|---------------|
| EW-2110 | RF Power Amplifier | OPHIR RF | 5127FE | 1011 |
| EW-3251 | Signal Generator | R&S | SMB100A | 113690 |
| EW-1902 | Trilog Super Broadband Test Antenna 30MHz-3000MHz | SCHWARZBECK | VULB 9163 | VULB 9163-199 |
| EW-3292 | UPV Audio Analyzer | R&S | UPV | 103261 |
| EW-1637 | Feeding Bridge (Own Made) | UNKNOWN | EN 55024 | Nil |

Ctrl. No.: 8.1

INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

Test Results

EN 61000-4-3 Radiated Immunity

| Frequency (MHz) | Exposed Side | Field Strength (V/m) | Result (Pursuant to EN 55024 criterion A) |
|--------------------|--------------|-------------------------|--|
| 80 to 1000 | Front | 3V/m (rms) | OK |
| 80 to 1000 | Left | 3V/m (rms) | OK |
| 80 to 1000 | Rear | 3V/m (rms) | OK |
| 80 to 1000 | Right | 3V/m (rms) | OK |

- Additional Information
 - No observable change
 - See attached figures with Ctrl. No.: 12.2
 - EUT stopped operation and could/ could not be reset by operator at _____V/m of frequency _____MHz.
 - Meet particular performance criteria stated in the relevant Annex(s) of EN 55024.

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

EN 61000-4-4 Electrical Fast Transient/Burst

Test Summary (Pursuant to EN 55024)

| | | |
|---------------------------------|---|--|
| Basic Standard: | EN 61000-4-4 | |
| Port: | A.C. Power Lines | D.C. Power Lines, Signal Lines and Telecommunication Ports |
| Required Performance Criterion: | B | |
| Level: | ±1.0kV | ±0.5kV |
| Test Duration: | 1 minute | |
| Temperature: | 24°C | |
| Relative Humidity: | 37% | |
| Test Mode: | Standby, Speakerphone On Line, Ringing, Redial, Handset On Line | |
| Test Setup: | Table-top | |
| Generator Drive: | Internal | |
| Sequence of Application: | Each One | |

Used Test Equipment

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------|---|--------------|-----------|------------|
| EW-3167 | CE Immunity Compact Tester : EN61000-4-X | TESEQ | NSG3060 | 1821 |

INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

Test Results

EN 61000-4-4 Electrical Fast Transient/Burst

| Port | Level | Result (Pursuant to EN 55024 criterion B) |
|-------------------------|--------|--|
| A.C. Power Lines | +1kV | N/A |
| | -1kV | N/A |
| Telecommunication Ports | +0.5kV | OK |
| | -0.5kV | OK |

Additional Information

No observable change

EUT stopped operation and could/ could not be reset by operator at ___ kV of Burst.

EUT was in abnormal operation:
- operation mode was changed from _____ to _____ at _____ kV of Burst.

Meet particular performance criteria stated in the relevant Annex(s) of EN 55024.

At Ringing and Speakerphone On Line mode, burst of tone was heard while ± 0.5 kV of burst was injected at Telecommunication port. It could resume to normal after the test.

INTERTEK TESTING SERVICES

Applicant: Global Connect Electronics Ltd.
Model: GCE6231

Report No.: 17050841HKG-001

EN 61000-4-6 Injected Current (0.15 MHz to 80 MHz)

Test Summary (Pursuant to EN 55024)

| | | |
|--------------------------------------|---|--|
| Basic Standard: | EN 61000-4-6 | |
| Port: | A.C. Power Lines | D.C. Power Lines, Signal Lines and Telecommunication Ports |
| Required Performance Criterion: | A | |
| Level: | 3.0V (rms) | |
| Cable Length between CDN and EUT: | 30cm | |
| Used coupling and decoupling device: | EW-0992 | |
| CDN terminated by 50Ω load: | N/A | |
| Test Modulation: | 1 kHz, 80% AM | |
| Frequency: | 0.15 MHz to 80 MHz | |
| Dwell Time: | 1s | |
| Frequency Step: | 1% | |
| Temperature: | 21°C | |
| Relative Humidity: | 66% | |
| Coupling Factor of CDN: | -1.0dB ~ -1.7dB | |
| Test Mode: | Standby, Speakerphone On Line, Ringing, Redial, Handset On Line | |
| Test Setup: | Table-top | |
| Size of the EUT: | 22.0 (cm) x 17.5 (cm) x 9.5 (cm) | |

Used Test Equipment

| Equipment No. | Equipment | Manufacturer | Model No. | Serial No. |
|---------------------|----------------------------------|--------------|--------------|------------|
| EW-0611 | AM/FM Signal Generator | MARCONI | 2024 | 112139/025 |
| EW-2986 | RF Amplifier | AMP SEARCH | 75A250A | 0554502 |
| EW-0992 for TC port | 2 Wire ISN for CISPR22 | R&S | ENY22 | 833823/004 |
| EW-1468 | Measuring Amplifier | BK | 2636 | 2285233 |
| EW-1001 | Digital Phosphor Oscilloscope | TEKTRONIX | TDS3012 | B016817 |
| EW-1636 | Artificial Hand for EN 61000-4-6 | UNKNOWN | EN 61000-4-6 | Nil |
| EW-1637 | Feeding Bridge (Own Made) | UNKNOWN | EN 55024 | Nil |

INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

Test Results

EN 61000-4-6 Injected Current (0.15 MHz to 80 MHz)

| Port: | Frequency (MHz) | Level | Result (Pursuant to EN 55024 criterion A) |
|----------------------------|--------------------|----------|--|
| A.C. Power Lines | 0.15 to 80 | 3V (rms) | N/A |
| D.C. Power Lines | 0.15 to 80 | 3V (rms) | N/A |
| Signal Lines | 0.15 to 80 | 3V (rms) | N/A |
| Telecommunication Ports | 0.15 to 80 | 3V (rms) | OK |

- Additional Information
 - No observable change
 - See attached figures with Ctrl. No.: 8.1.3
 - Meet particular performance criteria stated in the relevant Annex(s) of EN 55024.

INTERTEK TESTING SERVICES

Report No.: 17050841HKG-001

Appendix : EUT Photos

External Photos





Valued Quality. Delivered.

Guidelines On Issuing EC Declaration Of Conformity Pursuant To EMC Directive

To attest the compliance of apparatus with the relevant EMC Directive, an EC Declaration of Conformity shall be issued by the manufacturer or his authorised representative in the European Community, and the attached EC Declaration of Conformity template contains all mandatory requirements pursuant to EMC Directive 2014/30/EU. Please follow the steps listed below when preparing an EC Declaration of Conformity:

1. Provide the name and address of the manufacturer;
2. Provide the name and address of the authorised representative in the European Community, where applicable;
3. For Apparatus' Description, specify the brand name and any other information allowing for the description of the apparatus to which the EC Declaration of Conformity refers;
4. For Apparatus' Identification, specify the type, batch, serial number or any other information allowing for the identification of the apparatus to which the EC Declaration of Conformity refers;
5. Specify the relevant EMC Directive with which the apparatus are in compliance;
6. List all dated specifications under which conformity is declared to ensure the conformity of the apparatus with the relevant EMC Directive, you may refer the standards shown in the Test Verification of Conformity issued by Intertek;
7. Sign the EC Declaration of Conformity by the person empowered to bind the manufacturer or his authorised representative in the European Community. The Name, Position and Company of this person shall be specified for identification;
8. State the date of issuing the EC Declaration of Conformity.

NOTES:

- a. The EC Declaration of Conformity shall be held by the manufacturer or his authorised representative in the European Community at the disposal of the competent authorities for a period of at least ten years after the date on which such apparatus was last manufactured. If neither the manufacturer nor his authorised representative is established within the European Community, the obligation to hold the EC Declaration of Conformity at the disposal of the competent authorities shall lie with the person who places the apparatus on the European Community market.
- b. If EMC Directive 2014/30/EU is applied, the manufacturer shall draw up technical documentation according to Annex IV of this EMC Directive; and in addition to CE Marking, the apparatus shall also meet other marks and information as stated in Article 9 of the same EMC Directive.
- c. The EC Declaration of Conformity guidelines and template are for your reference only, you shall ensure that the EMC Directive 2014/30/EU is applied correctly.

EC Declaration of Conformity

I, the undersigned,

Manufacturer's Name: _____

Manufacturer's Address: _____

Authorised Representative's Name: _____

Authorised Representative's Address: _____

certify and declare under our sole responsibility that the following apparatus:

Apparatus' Description: _____

Apparatus' Identification: _____

conforms with the essential requirements of

Directive: _____

based on the following specifications applied:

Dated Specifications: _____

and therefore complies with the essential requirements and provisions of the EMC Directive.

Signature: _____

Full Name: _____

Position: _____

Company: _____

Date: _____