

Verification Report

No. CANEC1207730301

Date: 09 Jul 2012

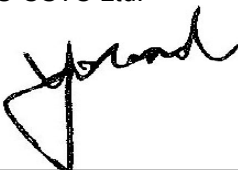
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10GTEK TRANSCEIVERS CO., LTD

7 FLOOR WEST, ANLE WUYE BUILDING, SHUNFENG ROAD, AREA 44, BAOAN DISTRICT, SHENZHEN,
GUANGDONG PROVINCE, CHINA

Sample Name : DAC Cable Assembly
 SGS Job No. : CP12-028397 - SZ
 Internal Reference No. : 2.1
 Tested Basic Model No. (P.O. No.) : CAB-XFP/XFP-P3M(24AWG)
 Client Ref. Info. : According to declaration from client, the materials in model CAB-XFP/XFP-P1M, CAB-XFP/XFP-P2M, CAB-XFP/XFP-A1M, CAB-XFP/XFP-A3M, CAB-XFP/XFP-A5M, CAB-XFP/XFP-A7M, CAB-XFP/XFP-A10M are the same as those in model CAB-XFP/XFP-P3M(24AWG).
 Date of Sample Received : 14 Jun 2012
 Verification Period : 14 Jun 2012 - 09 Jul 2012
 Verification Requested : With reference to RoHS Directive 2011/65/EU recasting 2002/95/EC.
 Verification Method : Please refer to next page(s).
 Verification Result : Please refer to next page(s).
 Verification Conclusion : Based on the review of previous reports and verification results of the submitted samples, the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU recasting 2002/95/EC.
 Note : The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of
SGS-CSTC Ltd.



Yoland Yan

Approved Signatory

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Verification Method :

1. Review was performed for the samples disjointed from the submitted articles and the related test reports submitted by the Applicant
2. Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321:2008: Procedures for the Determination of Levels of Six Regulated Substances in Electrotechnical Products
 - (1) Screening by XRF Spectroscopy
 - (2) Wet Chemical Test Method
 - a. Determination of Lead & Cadmium by ICP-OES or AAS
 - b. Determination of Mercury by ICP-OES
 - c. Determination of Hexavalent Chromium by Spot test or Colorimetric Method
 - d. Determination of PBBs and PBDEs by GC-MS

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In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified.

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
1	Black plastic tube w/ white printing		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	14 Jun 2012
2	Black plastic tape (on No.1)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	14 Jun 2012
3	Silvery metal shell (connected w/ No.1)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	14 Jun 2012
4	Black fiber w/ loop (on No.2)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	14 Jun 2012

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
5	Transparent plastic tube (on No.1)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	14 Jun 2012
6 -C	White adhesive plastic sheet w/ black printing (in No.5)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	14 Jun 2012 28 Jun 2012
7	Silvery metal screw (on No.3)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	14 Jun 2012
8	Green "PCB" (in No.3)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	14 Jun 2012

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date	
9	Silvery metal part (connected w/ No.3)		Pb	BL	---	Comply	14 Jun 2012	
			Cd	BL	---			Comply
			Hg	BL	---			Comply
			Cr(VI)	IN	Negative			Comply
			PBBs	---	---			---
			PBDEs	---	---			---
10	Black plastic part (connected w/ No.9)		Pb	BL	---	Comply	14 Jun 2012	
			Cd	BL	---	Comply		
			Hg	BL	---	Comply		
			Cr(VI)	BL	---	Comply		
			PBBs	BL	---	Comply		
			PBDEs	BL	---	Comply		
11	Silvery metal spring (on No.3)		Pb	BL	---	Comply	14 Jun 2012	
			Cd	BL	---	Comply		
			Hg	BL	---	Comply		
			Cr(VI)	BL	---	Comply		
			PBBs	---	---	---		
			PBDEs	---	---	---		
12 -C	Black body (small) (on No.8)		Pb	BL	---	Comply	14 Jun 2012 28 Jun 2012	
			Cd	BL	---	Comply		
			Hg	BL	---	Comply		
			Cr(VI)	BL	---	Comply		
			PBBs	BL	---	Comply		
			PBDEs	BL	---	Comply		

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
13	Black body (big) (on No.8)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	14 Jun 2012
14	Brown translucent glue (connected w/ No.8)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	Comply Comply Comply Comply Comply Comply	14 Jun 2012
15	Black plastic tube (on No.1)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	Comply Comply Comply Comply Comply Comply	14 Jun 2012
16	Copper-colored metal foil (on No.15)		Pb Cd Hg Cr(VI) PBBs PBDEs	BL BL BL BL --- ---	--- --- --- --- --- ---	Comply Comply Comply Comply --- ---	14 Jun 2012

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF (1)	Result of Wet Chemical Testing(2) (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
17	Silvery/ blue metal foil (in No.1)		Pb	BL	---	Comply	14 Jun 2012
			Cd	BL	---	Comply	
			Hg	BL	---	Comply	
			Cr(VI)	BL	---	Comply	
			PBBs	---	---	---	
			PBDEs	---	---	---	
18	White plastic (wire insulation) (in No.17)		Pb	BL	---	Comply	14 Jun 2012
			Cd	BL	---	Comply	
			Hg	BL	---	Comply	
			Cr(VI)	BL	---	Comply	
			PBBs	BL	---	Comply	
			PBDEs	BL	---	Comply	

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Remark :

(1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).

(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321(unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not Regulated.

(d) The XRF screening test for RoHS elements - The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) (a) mg/kg = ppm = 0.0001%, ND = Not Detected (<MDL), --- = Not Conducted, - = Without BOM.

(b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg
Units	mg/kg	mg/kg	mg/kg
MDL	2	2	2

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr(VI) for polymer & composite sample is 2 mg/kg.

* Due to the few amount of sample, MDL of Cr(VI) in Polymer and Composite Materials is 10 mg/kg.

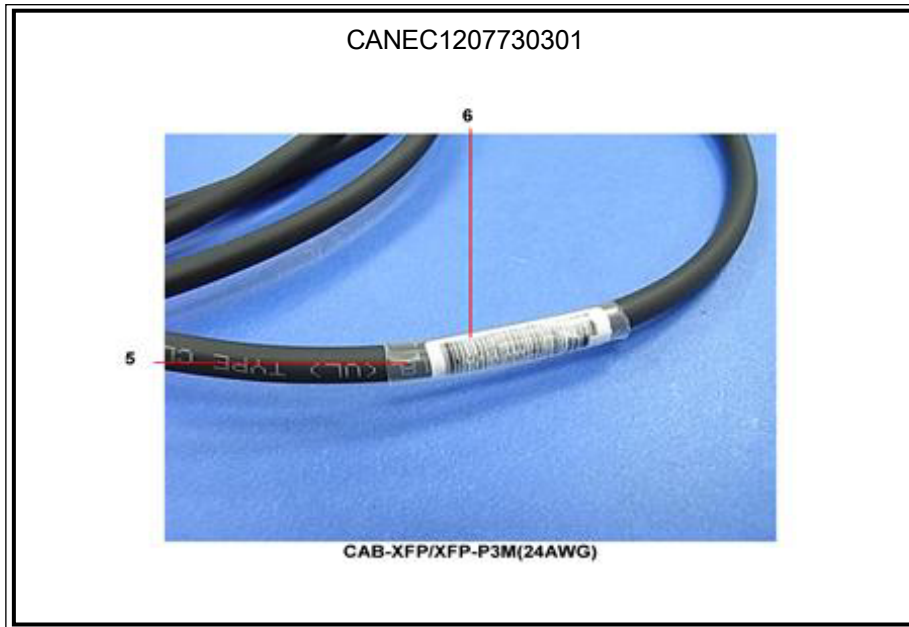
(c) According to IEC 62321, result on Cr(VI) for metal sample is shown as Positive/Negative.
Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating.

Sample photo:

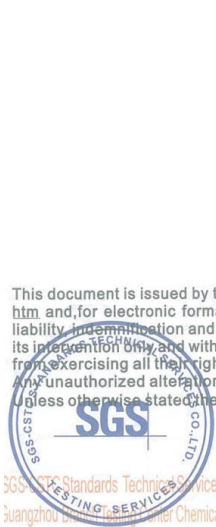


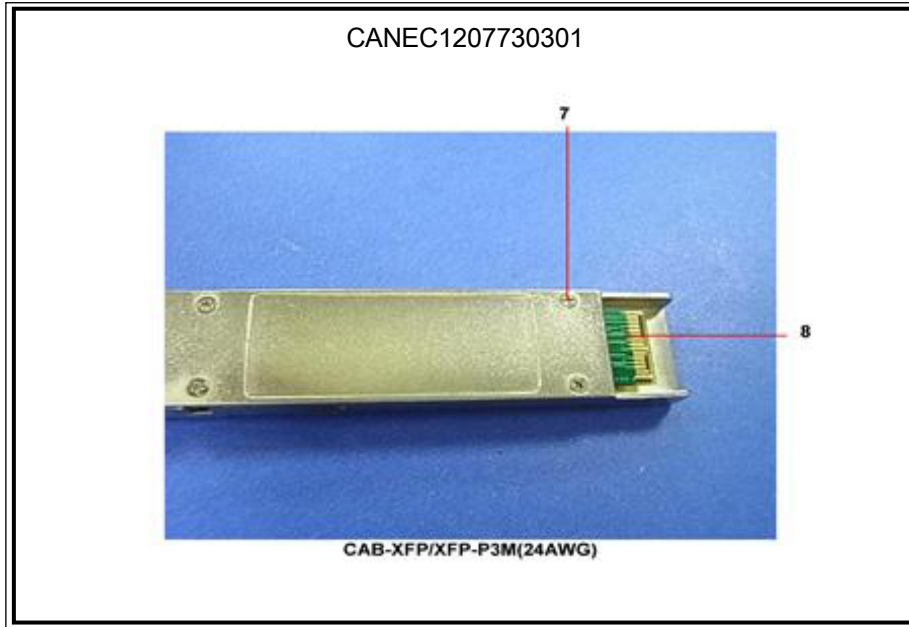
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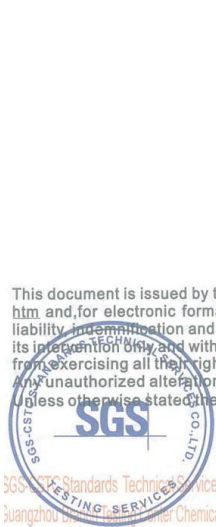


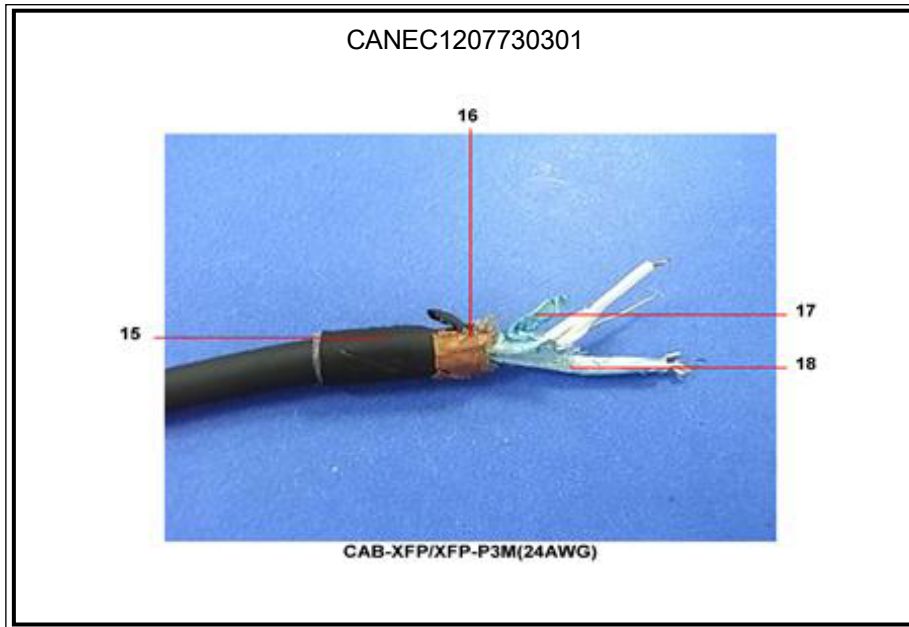
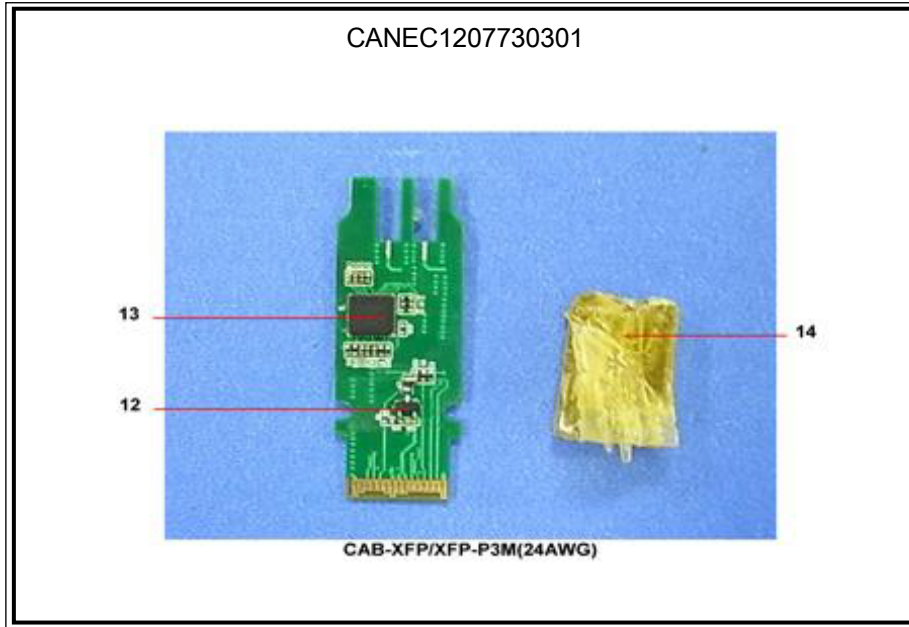
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