

## RoHS TEST REPORT No.I14Z49240-SEM01

Applicant Name:

Shanghai Simcom Limited

Applicant Address:

Building A. SIM Technology Building, No.633 Jinzhong Road,

Changning District, Shanghai, P.R. China

Manufacture Name:

Shanghai Simcom Limited

Manufacture Address:

Building A, SIM Technology Building, No.633 Jinzhong Road,

Changning District, Shanghai, P.R. China

Product Name:

Wireless Module

Product Model:

SIM5360A/SIM5360E/SIM5360J/SIM5360JD/SIM5360JE

Date of Sample received:

2014-12-29

Date of Test Finished:

2015-01-09

Test Requested:

With reference to RoHS Directive 2011/65/EU recasting 2002/95/EC

Test Method:

Please refer to next page(s)

Test Result:

Please refer to next page(s)

Test Conclusion:

Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyl (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive

2011/65/EU Annex II; recasting 2002/95/EC.

Chief tester:

Audited by: Hao Xu

Approved by: Lu Chungen

Date: 2015, 1.9

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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#### **Reference Method**

- 1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
- 2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in the report.
- (1) With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy;
- (2) Wet Chemical Test Method:
- a. With reference to IEC 62321-5:2013, determination of Cadmium and Lead by ICP-OES;
- b. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES;
- c. With reference to IEC 62321:2008, determination of Hexavalent Chromium by spot test / Colorimetric Method using UV-Vis;
- d. With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.



## **Test Results**

				Test results (Unit: mg/	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	15	. ,		
				20	Cd	N.D.			
	0402WG	RES MF 0R +/-5%			Hg	N.D.			
1	J0000TC	1/16W CH 0402	Composite	240-1	Cr	38	_	_	_
			Materials	The same of the sa	Br	N.D.			
	E	RO		09	Cr6+				
					PBB PBDE	-			
					Pb	42			
				20	Cd	N.D.			
	RC0201	RES MF 100K	Composite		Hg	N.D.			
2	FR-0710	+/-1% 1/20W		240-2	Cr	107	-	-	-
	0141	CUIDODA DO	Materials	09	Br	N.D.			
	0KL	CH0201 RO		2) 02 0E 0F 09 02	Cr6+ PBB	_			
					PBDE	-			
					Pb	320			
				<u>u</u>	Cd	N.D.			
	0201WM	RES MF 100K		9	Hg	N.D.	1		
3	F1003TC	. / 40/ 4/20\\	Composite	240-3	Cr	15			
3	F10031C	+/-1% 1/20W	Materials	The second secon	Br	N.D.	_	_	-
	E	CH0201 RO		20 00 00 00 00 00 00 00 00 00 00 00 00 0	Cr <sup>6+</sup>				
				PBB	-				
					PBDE				
			Composite 2.4.0	20	Pb Cd	21 N.D.			
		RES MF 0R +/-5%		rials 09	<u>Ca</u> Hg	N.D. N.D.			
	RC0201J				Cr	36		-	
4	R-070RL	1/20W CH0201	Materials		Br	N.D.	-		-
	K-070KL	RO	Waterials		Cr6+				
					PBB	-			
					PBDE				
				LO LO	Pb	11			
		RES MF 0R +/-5%			Cd	N.D.			
	RM02JT	KES WIF UK +/-5/6	Composite	240-5	Hg Cr	N.D. N.D.	+		
5	No	1/20W CH0201		240-9	Br	N.D.	-	-	-
	N0	RO	Materials	09	Cr6+	14121			
					PBB	-			
					PBDE				
					Pb	141	1		
	DC0004	DEC ME 54D ./		E. 47	Cd	26			
	RC0201J	RES_MF_51R_+/-	Composite	0.40	Hg	N.D.	-		
6	R-0751R	5%_1/20W_CH02		240-6	Cr Br	56 N.D.	-	-	-
	L	01 RO	Materials	09	Cr6+	N.D.	1		
		0.10		5. 32 or 00 or 01	PBB	_			
					PBDE				
					Pb	157			
				NO W	Cd	N.D.	1		
		RES_MF_51R_+/-	RES_MF_51R_+/-		Hg	N.D.			
7		TC 5%_1/20W_CH02 C	Composite	240-7	Cr Pr	10 N.D.	-	_	-
			Materials	24U-/	Br Cr6+	N.D.	1		
	E	01 RO	waterials	2 02 02 03 03 03 03 03 03 03 03 03 03 03 03 03	PBB	_			
					PBDE	1 -			
	1			. DUL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	

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				Test results (Unit: mg/	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
		2000	type	g	Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	278	CI(VI)	Fb/Hg/Cu	FBB/FBDE
				20	Cd	N.D.			
	RC0201J	RES_MF_51K_+/-			Hg	N.D.			
	R-0751K		Composite	240-8	Cr	76			
8	K-0/51K	5%_1/20W_CH02	Materials		Br	N.D.	-	-	-
	L	01 RO		09	Cr6+				
					PBB	-			
					PBDE	200			
				0	Pb Cd	260 9			
	0201WM	RES_MF_51K_+/-		0	Hg	N.D.			
_			Composite	0.40	Cr	10			
9	J0513TC	5%_1/20W_CH02	Materials	240-9	Br	N.D.	-	-	-
	E	01 RO	materiale	09	Cr6+				
					PBB	-			
					PBDE				
				E IA	Pb	42			
	D000041	DEC ME 400D /		· ·	Cd	N.D.			
	RC0201J	RES_MF_100R_+/	Composite	01010	Hg	N.D.			
10	R-07100	5%_1/20W_CH02	•	240-10	Cr Br	575 N.D.	-	-	-
	RL	01 RO	Materials	09	Cr6+	N.D.			
					PBB	-			
					PBDE				
					Pb	165			
			Composite	<u>v</u>	Cd	N.D.			
	RC0201J	RES_MF_15K_+/-		Hg	N.D.				
11	R-0715K	5%_1/20W_CH02	-	240-11	Cr Br	418 N.D.	-	-	-
	L	01 RO	Materials	09	Cr6+	N.D.			
	_	01110			PBB	_			
				511111111111111111111111111111111111111	PBDE				
					Pb	224			
				20	Cd	N.D.			
	0201WM	RES_MF_15K_+/-	Composite	-	Hg	N.D.			
12	J0153TC	5%_1/20W_CH02	•	240-12	Cr	24	-	-	-
	E	01 RO	Materials	09	Br	N.D.			
	_	UIKO		03 0 0 0 0 0	Cr6+ PBB	_			
					PBDE	-			
					Pb	74			
				20	Cd	46	]		
	RC0201J	RES MF 10R	O ''		Hg	N.D.	]		
13	R-0710R	+/-5% 1/20W	Composite	240-13	Cr	59	_	_	_
			Materials	09	Br	N.D.	-		
	L	CH0201 RO			Cr6+				
					PBB PBDE	-			
					Pb	46			
				20	Cd	N.D.	1		
	0201WM	RES MF 10R		4	Hg	N.D.	]		
14	4 J0100TC +/-5% 1/20W Composite Materials	Composite	2 4 0 - 1 4	Cr	204	_	_	_	
		240-14	Br	N.D.	ļ		-		
	E	CH0201 RO Materials	OS 05	Cr6+					
			The installate and the installate and installate an	PBB	-				
	L	L			PBDE	l .	İ	<u> </u>	

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I I Material I X-ray Screening I ICP-OFS I					Test results (Unit: mg/	/kg)				
RC0201J   RES MF 22R   A-5% 176W CH   Accomposite   A-5% 176W CH   Accom	No	Part No.	Description	Material	Figure	X-ray S	creening	_	ICP-OES	GC/MS for PBB/PBDE
RC0201J RES MF 22R	140.	i dit ito.	Description	type	riguio	Elomont	Data		DP/Ha/C4	DDD/DDDE
RC0201J   RES MF 22R								CI(VI)	Fb/Hg/Cu	FBB/FBDE
RES MF 22R					0					
15		RC0201J	RES MF 22R		_ v					
Reduce   R	45			Composite	210 15					
CHO201 RO	15	R-0/22R	+/-5% 1/20VV	Materials	240-15			-	-	-
RES MF 22R		L	CH0201 RO		09	Cr6+				
Pb   209   Cd   N.D.   Hg   N.D.   Cr6+   PBB   PBDE   P							-			
Cad   N.D.   Hg   N.D.   Cr   12   Br   N.D.   Cr   148   Dr   Dr   Dr   Dr   Dr   Dr   Dr   D										
16					<u> </u>					
16		0204\WM	DEC ME 22D		-					
16		UZU I VVIVI	RES WIF 22R	Composite	240-16					
RC0201	16	J0220TC	+/-5% 1/20W		240-10			-	-	-
RC0201J   RES MF 4.7KR   -1-5% 1/20W   CH0201 RO		E	CH0201 RO	Materials	09					
RC0201J   RES MF 4.7KR   H-5% 1/20W   CH0201 RO							-			
RC0201J										
RC0201J   RES MF 4.7KR   4/-5% 1/20W   CH0201 RO							38			
17					20					
17		RC0201J	RES MF 4.7KR	Composito	9					
Cr6+   PBB   - PBB	17	R-074K7	+/-5% 1/20W	Composite	240-17			_	-	-
RES MF 4.7KR			OLIOCOA DO	Materials			N.D.			
RC0402   RES MF 4.02KR   H-/5% 1/16W   CH0402 RO   RES MF 47R   L   Composite Materials   RC0201J   RES MF 47R   L   Composite Materials   RC0201J   RC0201RO   RES MF 47R   H-/5% 1/16W CH   L   Composite Materials   RC0201J   RES MF 47R   H-/5% 1/16W CH   L   RC0201J   RES MF 130R   H-/5% 1/16W CH   RC0201J   RC0201J   RES MF 130R   RC0201J   RES MF 130R   H-/5% 1/16W CH   RC0201J   RC0201J   RES MF 130R   H-/5% 1/16W CH   RC0201J   RC0201J   RES MF 130R   H-/5% 1/16W CH   RC0201J		L	CH0201 RO				-			
RC0201J   RES MF 47R   L   0201 RO   RO   RES MF 47R   L   0201 RO   RO   RO   RO   RO   RO   RO   RO							-			
18							155			
18					0					
18		0201WM	RES MF 4.7KR							
RC0402   RES MF 4.02KR   PBDE   PBD	19	10472TC	+/-5% 1/20W	Composite			98	-	_	_
RC0402   RES MF 4.02KR	10			Materials			N.D.		-	_
RC0402   RES MF 4.02KR   PBDE   PPD   102   Cd   N.D.   Hg   N.D.   Cr   116   Br   N.D.   Cr6+   PBB   PBDE   PPBB   PBDE   P		E	CH0201 RO		09 8 8 8 8 8 8					
RC0402 RES MF 4.02KR							-			
RC0402   RES MF 4.02KR							400			
RC0402   RES MF 4.02KR										
19 FR-074K		RC0402	RES ME 4 02KR		<u> </u>					
RC0201J   RES MF 47R   L   D201 RO   RC0201J   RES MF 130R   Composite   Materials   Materials   Materials   D301   D302   D302				Composite	0.40.40					
Cr6+   PBB   - PBDE	19	FR-074K	+/-1% 1/16W	Materials	240-19			-	-	-
RC0201J   RES MF 47R   Hg   N.D.   Composite   Hg   N.D.   Cr   N.D.   Cr6+   PBB   PBDE   RC0201J   RES MF 130R   RC0201J   RES MF 130R   Hg   N.D.   Cd   N.D.   RC0201J   RES MF 130R   Hg   N.D.   Cd   N.D.   Hg   N.D.   Cd   N.D.   Hg   N.D.   Cr   30   Hg   N.D.   Cr   30   Br   N.D.   Cr6+   Cr   30   Br   N.D.   Cr6+   Cr		02L	CH0402 RO	Waterials						
RC0201J RES MF 47R L 0201 RO  Composite Materials  Composite Materials  RC0201J RES MF 130R RRC0201J RES MF 130R RRC0201J RES MF 130R RL 0201 RO  Composite Materials  Composite Materials  Pb 89 Cd 5 Hg N.D. Cr ND. Br N.D. Cr6+ PBB - PBDE  Pb 145 Cd N.D. Hg N.D. Cr 30 Hg N.D. Cr 30 Br N.D. Cr 30 Br N.D. Cr 30 Br N.D. Cr 30 Br N.D. Cr 30 Cr 30 Br N.D. Cr 30						PBB	-			
20 RC0201J RES MF 47R	ļ									
RC0201J   RES MF 47R					0					
20 R-0747R L +/-5% 1/16W CH		DC0004 !	DEC ME 47D		LO L			1		
20 R-0747R			KES WIF 4/K	Composite	0.40.00			1		
L 0201 RO	20	R-0747R	+/-5% 1/16W CH		240-20			-	-	-
PBB - PBDE  RC0201J RES MF 130R R-07130 +/-5% 1/16W CH RL 0201 RO  PBB - PBDE  Cd N.D. Hg N.D. Cr 30 Br N.D. Cr6+		L	0201 RO	waterials			14.0.	1		
PBDE  PBDE  PBDE  PBDE  PB 145  Cd N.D.  Hg N.D.  Cr 30  Br N.D.  Cr6+	1						_			
21 RC0201J RES MF 130R							<u> </u>			
RC0201J RES MF 130R					- IA			]		
21 R-07130 +/-5% 1/16W CH RL 0201 RO Composite Materials					-					
21 R-07130 +/-5% 1/16W CH RL 0201 RO Materials 05 ST		21 R-07130 +/-5% 1/16W CH Composite Materials	Composito	21001			1			
RL 0201 RO Materials 09 Cr6+	21		+/-5% 1/16W CH		240-21			<b>-</b>	-	-
112 0201 NO			Materials	erials 240-21		N.D.				
				09		_				
PBDE					· -					

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				Test results (Unit: mg	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type	_	Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	141	- ( )	J - 1	
				200	Cd	N.D.			
	0201WM	RES MF 49.9R		9	Hg	N.D.			
22	F499JTC	+/-1% 1/20W?	Composite	240-22	Cr	14	_	_	_
			Materials		Br	N.D.			
	E	CH0201 RO		0 <b>9</b>	Cr6+ PBB				
					PBDE	-			
					Pb	N.D.			
				20	Cd	N.D.			
			_		Hg	N.D.			
23	HK1005	IND HIGH 10NH	Composite	240-23	Cr	N.D.	_	_	_
	10NJ-T	+/-5% CH0402 RO	Materials		Br	N.D.			
				0 <b>9</b>	Cr6+				
					PBB PBDE	-			
					Pb	N.D.			
		IND 5.6NH		[ V	Cd	N.D.			
		חווס כי טווו		=	Hg	N.D.			
24	HK0603	+/-0.3NH 0.4R	Composite	240-24	Cr	N.D.			
24	5N6S-T	150MA CH0201	Materials		Br	N.D.	Ī -	-	-
		PO.		0 S	Cr6+				
	RO			PBB	-				
					PBDE Pb	N.D.			
				L CO	Cd	10			
	LQP03T	IND HQ 1NH		Materials Z4U-Z9	Hg	N.D.			
25	N1N0B0		Composite		Cr	N.D.	<b>_</b>	_	
25	NINUBU	+/-0.1NH CH0201	Materials		Br	N.D.	-	-	-
	2D	RO		09	Cr6+				
				Balantalahahahahaha	PBB	-			
					PBDE	NB			
				U	Pb Cd	N.D. N.D.			
	LQP03T	IND HQ CHIP		-9	Hg	N.D.			
			Composite	240-26	Cr	N.D.			
26	N3N9B0	COIL 3.9NH +/-1%	Materials	Accompany of the Control of the Cont	Br	N.D.	-	-	-
	2D	CH0201 RO		.09	Cr6+				
				Bellevintelandeteleisteleniet	PBB	-			
					PBDE Pb	N.D.			
				2	Cd	N.D. N.D.	-		
	LQP03T	IND HQ CHIP		8	Hg	N.D.	†		
27			Composite	240-27	Cr	N.D.	1		
27	N8N2H0	COIL 8.2NH +/-3%	Materials		Br	N.D.	] -	-	-
	2D	CH0201 RO		0G	Cr6+				
				Statistic trade and a trade and a series	PBB	-			
					PBDE	ND			
				<u>V</u>	Pb Cd	N.D. N.D.	1		
	LQP03T	IND HQ CHIP			Hg	N.D.	1		
			Composite	240-28	Cr	N.D.	=		
28	28 N7N5H0	COIL 7.5NH +/-3%	Materials		Br	N.D.	] -	-	-
	2D	CH0201 RO		iais	Cr6+				
		55251 110			PBB	-			
<u></u>				PBDE					

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				Test results (Unit: mg/	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	N.D.	- ( )	J - 1	-
				20	Cd	14			
	LQP03T				Hg	N.D.			
29	N9N1H0	IND FILM 9.1NH	Composite	240-29	Cr	N.D.			
25	NSINTIO	+/-3% CH0201 RO	Materials	240 20	Br	52	<u> </u>	-	-
	2D			09	Cr6+				
				White is a land and and and and and and and a land a land a land a	PBB PBDE	-			
					Pb	N.D.			
		IND FILM HQ		20	Cd	N.D.			
	LQP03T	2 2 2 1 1 . / 50/	Commonito	-	Hg	N.D.			
30	N2N2B0	2.2NH +/-5%	Composite	240-30	Cr	N.D.	_	_	-
		220MA CH0201	Materials	09	Br	N.D.			
	2D	RO		2 2 3 4 4 4	Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
				20	Cd	N.D.	_		
				_ · ·	Hg	N.D.			
	LLS0603	IND HIGH 12NH	Composite	0.40.01	Cr	N.D.			
31	-FH12NT	+/-3% CH0201 RO	Materials	240-31	Br	N.D.	-	-	-
	-11112141	+/-3 /6 CH0201 NO	Waterials	09	Cr6+				
					PBB	-			
					PBDE				
					Pb	N.D.			
			- · · · · · · · · · · · · · · · · · · ·	Cd	N.D.				
	LLS0603	IND HQ CHIP	Composite	Z4U-3Z	Hg	N.D.			
32		COIL 10NH +/-3%			Cr Br	N.D. 36		-	-
	-FH10NT	CH0201 RO	Materials		Cr6+	30	_		
		0110201110			PBB	_			
					PBDE				
					Pb	N.D.			
		BEAD		00 00	Cd	N.D.			
	BLM18P			-	Hg	N.D.			
33	G221SN	220OHM@100MH	Composite	240-33	Cr	N.D.	_	_	_
		Z 1400MA 0.1R	Materials	09	Br	N.D.			
	1	CH0603 RO			Cr6+				
		0110000110		Property and the second	PBB	-			
					PBDE Pb	N.D.			
				20	Cd	N.D.	-		
	LQP03T	IND HIGH 2.7NH			Hg	N.D.	1		
			Composite	210-21	Cr	N.D.	1		
34	N2N7B0	+/-0.1NH CH0201	Materials	240-34	Br	N.D.	Ī -	-	-
	2D	RO	matorialo	09	Cr6+				
					PBB	-			
					PBDE				
					Pb	N.D.	1		
	1.0000=	IND I COLL C COLL		- "	Cd	N.D.	4		
	LQP03T	IND HIGH 3.3NH	Composite	040 05	Hg	N.D.	1		
35	35 N3N3B0	Con B0 +/-0.1NH CH0201		ials 09	Cr Br	N.D.	-	-	-
	2D		Materials		Cr6+	29	+		
					PBB	-			
İ				l	ĺ	Ĩ	l		

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No.   Parl No.   Description   Description   Description   Parl No.   Description   Parl No.   Description   Parl No.   Description   Vype   Parl No.   Element   Data   Cr(VI)   Ph/Hg/Cd   PB/PBDE					Test results (Unit: mg	/kg)														
Lapost   IND HQ CHIP   Coll 1 NN +/3% CH0201 RO	No.	Part No.	Description		Figure	X-ray S	creening		ICP-OES											
LQP03T   IND HQ Cill 10NH 4/-3%   Composite   Compos				type		Element	Data	Cr(VI)	Pb/Hq/Cd	PBB/PBDE										
Cad   N.D.   N.D.   Composite					Pb	N.D.	, ,													
Composite   Materials   Composite   Materials   Composite   Materials   Composite   Comp					10															
CH0201 RO		LQP03T	IND HQ CHIP			Hg	N.D.													
CH0201 RO	36	N10NH0	COII 10NH ±/-3%	Composite	240-36			_	_	_										
Composite   PBB			Materials			N.D.														
Composite   PBDE   PB		2D	CH0201 RO																	
LQP03T   NON-HO   2D							-													
Cd   N.D.   Hg   N.D.   Cr   N.D.   Sr   N.D.   Cr							ND													
April					LO .															
Norman		LQP03T						1												
2D	27	NCNOLIO	IND HQ 6.8NH	Composite	240-37		N.D.													
A	31	INDINOFIU	+/-3% CH0201 RO	Materials	The second secon	Br	N.D.	_	_	-										
Page		2D			09															
Composite   Pb   N.D.   Cd   N.D.   N.D.   Cress   N.D.   Cd   N.D.   Cress   N					<b>Finksteintnintnintnintnintnin</b>		-													
Composite   Comp							NB													
August   Composite   Composi					_ u			-												
NAM3HO   NAM3HO   H/GH 4.3NH   H/-3% CH0201 RO   Materials		I OP03T						1												
PSE2520			IND HIGH 4.3NH	Composite	240-38			-												
2D	38	N4N3H0	±/-3% CH0201 RO	Materials	The state of the s			1 -	-	-										
PSE2520 IND LOW 2.2UH 4/-20% CH2520 MS-39 RH  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 T T R LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T N68NJ02 D  LQP03T NDD HIGH 68NH 4/-5% CH0201 RO  Materials  Composite Materials  LQP03T NDD HIGH 68NH 4/-5% CH0201 RO  Materials  Composite Materials  Composite Materials  Composite Materials  PD  R  R  R  Composite Materials  Composite Materials  PBB PBB  PBB  PBB  PBB  PBB  PBB  PB		2D	1, 0,0 0110201110		09	Cr6+														
PSE2520 IND LOW 2.2UH 4/-20% CH2520 RH  Materials  LQP03T N68NJ02 D  PZ1608U 221-1R4 220R/100MHZ TF 1.4A 0603 RO  LQM2M IND LOW 4.7UH PN4R7M GOL CM2016 RO  LQM2M CH2016 RO  PSE2520 IND LOW 2.2UH 4/-20% CH2520 Materials  Composite Materials  PBD RPBD RPBD RPBD RPBD RPBD RPBD RPBD R					Sician beautiful and the state of the	PBB	-													
PSE2520																				
PSE2520								_												
The composite   The composit		DSESSO	IND LOW 2 211H		posite			_												
Materials   Mate																				
MS-39   RH	39	1B-2R2	+/-20% CH2520										-		-	240-39			<u> </u>	-
LQP03T		MS-39	RH	Waterials	09		-													
LQP03T					Britanina hardanin dan		-													
LQP03T   IND HIGH 68NH						PBDE														
LQP03T   N68NJ02   Hg   N.D.   Cr   N.D.   Br   N.D.   Cr6+   PBB   PBDE					10															
N68NJ02		LODGOT			•			_												
D		LQP031	IND HIGH 68NH	Composite	240 40															
D    Cr6+   PBB   PBDE	40	N68NJ02		•	240-40			-	-	-										
PBB		D	+/-5% CHUZUI RU	waterials	09		14.5.													
PZ1608U   BEAD   Composite   PB   N.D.   Cd   20   Hg   N.D.   Cr   22   Br   N.D.   Cr6+   PBB   -   PBDE     PBDE   Cd   N.D.   Cr6+   PB   N.D.   Cd   N.D.					Bright Andrews		-													
PZ1608U   BEAD   Composite   PZ1608U   BEAD   220R/100MHZ   TF   1.4A 0603 RO						PBDE														
PZ1608U   BEAD   Composite   Materials   PZ1-1R4   220R/100MHZ   TF   1.4A 0603 RO																				
A1   221-1R4   220R/100MHZ   TF   1.4A 0603 RO		D74000:	55.5		(1) A			1												
TF 1.4A 0603 RO Materials		PZ1608U	BEAD	Composite	240 41			1												
TF 1.4A 0603 RO	41	221-1R4	220R/100MHZ		240-41			-	-	-										
PBB   - PBDE   PBDE		TF	1.4A 0603 RO	Materials	09		N.D.	1												
LQM2M							-													
LQM2M IND LOW 4.7UH +/-20% 1100MA G0L CH2016 RO    Composite   Pb   N.D.   Cd   N.D.   Hg   N.D.   Cr   N.D.   Br   N.D.   Cr6+   PBB   -					A STATE OF THE PARTY OF THE PAR		1													
LQM2M					in the second se	Pb														
LQM2M IND LOW 4.7UH					20			1												
42 PN4R7M +/-20% 1100MA G0L CH2016 RO Materials Materials PBB -		2 PN4R7M +/-20% 1100MA Composite Materials	Composite				1													
G0L CH2016 RO Waterials OS Cr6+ PBB -	42			ials 240-42 —			-	-	-											
C10+   PBB			Materials			N.D.	1													
			09		_															
				PBDE	1															

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				Test results (Unit: mg	/kg)				
No.	Part No.	Description	Material	Figure		creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	N.D.	. ,		
				9 2	Cd	N.D.			
	01/7001	IND LOW 4.7UH		\$ 100 mm	Hg	N.D.			
43	CKP201	+/-20% 900MA	Composite	240-43	Cr	N.D.	_	_	_
	64R7M-T		Materials	470 40	Br	205	_		
		CH2016 RO			Cr6+				
					PBB PBDE	-			
					PBDE	N.D.			
				- O Blow	Cd	N.D.	_		
	MAKK25	IND COIL 2.2UH		20	Hg	N.D.	1		
			Composite	0.40.44	Cr	505			
44	20T2R2	+/-20% 1900MA	Materials	240-44	Br	N.D.	Ī -	-	-
	M	CH2520 RO		09	Cr6+				
				Market depulomalistic between the objects	PBB	-			
					PBDE				
					Pb	N.D.	_		
	004540	0DV V0 40 0MUZ		95	Cd	N.D.	-		
	Q24FA2	CRY XO 19.2MHZ	Composite	240-45	Hg	99	4		
45	0H00297	10PPM 7PF			Cr Br	N.D.	-	-	-
	00	CH2520 RO	Materials	8 09	Cr6+	-	_		
	5.12520 NO			PBB	-				
					PBDE				
					Pb	N.D.			
				LO CALL	Cd	N.D.			
	SC-32S(	CRY 32.768K 9PF	0	4 190	Hg	N.D.			
46	9PF,20P	+/-20PPM 3.2*1.5	Composite	240-46	Cr	N.D.	] .	_	_
	-	DO.	Materials	09	Br	-	4		
	PM)	RO		7 7 7 7 9 9 9 9	Cr6+ PBB				
					PBDE	-			
					Pb	N.D.			
				- W	Cd	N.D.			
				-9	Hg	N.D.	1		
47	ESD9X5.	ESD VRWM=5.0V	Composite	240-47	Cr	N.D.			
47	0ST5G	65PF SOD923 RO	Materials	20	Br	88		_	-
					Cr6+				
					PBB	-			
					PBDE	FO			
				<u> </u>	Pb Cd	58 12	+		
		ESD VRWM=5.0V			Hg	N.D.	1		
	PESD5V		Composite	240-48	Cr	N.D.	1		
48	0S1BL	CD(TYP)=35PF	Materials	270 40	Br	N.D.	1 -	-	-
	UUIDE	SOD882 RO	materials	09	Cr6+		1		
				Spiriteletakundatakuntakuntak	PBB	-			
					PBDE				
				0	Pb	N.D.	4		
	DE0000	ESD		20	Cd	N.D.	4		
	DF2S6.8	VZ(TYP)=6.8V	Composite	0.40.40	Hg	N.D.	-		
49				240-49	Cr Br	N.D. 53	-	-	-
	(TL3,T)	CT=25PF N	Materials	als 240-49 —	Cr6+	აა	-		
	,.,	1.0X0.6MM RO		09	PBB	-			
	1.0X0.6MM RO			PBDE					

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Email: <a href="mailto:cttl\_terminals@catr.cn">cttl\_terminals@catr.cn</a>, website: <a href="mailto:www.chinattl.com">www.chinattl.com</a> ©Copyright. All rights reserved by CTTL.



				Test results (Unit: mg/	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type	<b></b>	Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	N.D.	CI(VI)	Fb/Hg/Cu	FBB/FBDE
				05	Cd	N.D.			
		NPN VCEO=12V		, v	Hg	N.D.	1		
50	2SC5585	IC=500MA	Composite	210 50	Cr	99			
50	TL	IC—300IVIA	Materials	240-50	Br	63	-	-	-
		SOT523 RO		0.00	Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
				900 000	Cd	N.D.			
	SIM5360	PCB SIM5360			Hg	N.D.			
			Composite		Cr	N.D.	-		
51	_V1.03_	MAIN HDI PCB	Materials	S LINES LINES L	Br	3.80×10 <sup>3</sup>		-	-
	PCB	V1.03 RO		240-51	Cr6+				
				The state of the s	PBB	-	N.D.		
					PBDE		N.D.		
				0	Pb	N.D.			
	CC0201	CAP X5R 1UF		- v	Cd Hg	N.D. N.D.			
			Composite	210 50	Cr	N.D.			
52	MRX5R5	+/-20% 6.3V	Materials	240-52	Br	100	-	-	-
	BB105		Waterials	09	Cr6+				
					PBB	-			
					PBDE				
				E (0)	Pb	N.D.			
	CC0201	CAP X5R 47NF		9	Cd Hg	N.D. N.D.			
			Composite	240-53	Cr	N.D.			
53	KRX5R5	+/-10% 6.3V	Materials	0°	Br	N.D.	-	-	-
	BB473	CH0201 RO		09 0 0 × 0 0 0 0	Cr6+				
					PBB	-			
					PBDE				
				2	Pb Cd	N.D. N.D.			
	C0201X5	CAP X5R 47NF			Hg	N.D.	1		
F.4			Composite	240-54	Cr	N.D.			
54	R473K6	+/-10% 6.3V	Materials	21001	Br	N.D.	-	-	-
	R3NTA	CH0201 RO			Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
				0	Cd	N.D. 26	1		
	GRM033	CAP X7R 1.5NF		9	Hg	N.D.			
55	R71E152	+/-10% 25V	Composite	240-55	Cr	N.D.	_	_	_
33			Materials	41000	Br	N.D.	_	]	-
	KA01D	CH0201 RO		0 S 0 S	Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
				0	Cd	N.D.	†		
	C0201C0	CAP COG 6.8PF		9	Hg	N.D.	1		
EG.	56 G6R8C5 +/-0.25PF 50V 00NTA CH0201 RO		Composite	240-56	Cr	N.D.	]		_
36		5 +/-0.25PF 50V	Materials	Z4U-90	Br	N.D.	ļ <u>-</u>	_	-
		Iviateriais	als OS	Cr6+					
				PBB	-				
·					PBDE		L	İ	

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				Test results (Unit: mg	/kg)							
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE			
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE			
					Pb	N.D.	, ,					
				0	Cd	N.D.						
	LMK105	CAP X5R 4.7UF		-	Hg	N.D.						
57	BBJ475	+/-20% 10V	Composite	240-57	Cr	N.D.						
31	DD3473	+/-20 /6 10 V	Materials	-8	Br	N.D.	_	_	-			
	MVLF	CH0402 RO		09	Cr6+							
					PBB	-						
					PBDE	ND						
				0	Pb Cd	N.D. N.D.						
	JMK105	CAP X5R 10UF		9	Hg	N.D.	-					
			Composite	0.40 50	Cr	N.D.	_					
58	CBJ106	+/-20% 6.3V	Materials	240-58	Br	N.D.	-	-	-			
	MV-F	CH0402 RO	Waterlais	09	Cr6+		_					
					PBB	-						
					PBDE							
					Pb	N.D.						
				20	Cd	N.D.						
	CL10A2	CAP X5R 22UF	Cammaaita		Hg	N.D.						
59	26MQ8N	6.3V +/-20% 0603	Composite	240-59	Cr	N.D.	<u> -</u>	_	-			
	DNO	80	Materials	09	Br	N.D.						
	RNC	RO			Cr6+ PBB	-						
			5	PBDE	-							
					Pb	N.D.						
				20	Cd	N.D.						
	CL10A2	CAP X5R 22UF		240-60	Hg	N.D.						
60	26MQ8N	+/-20% 6.3V	Composite		Cr	22	<b>_</b>					
00		+/-20 /6 0.3 V	Materials	•	•	Materials	09	Br	N.D.	] -	-	-
	RNE	CH0603*0.8 RO		2 00 00 00 00	Cr6+							
					PBB	-						
					PBDE							
				20	Pb	N.D.						
	GRM155	CAP X5R 10UF		LO TANK	Cd Hg	N.D. N.D.						
			Composite	0.40.01	Cr	N.D.	_					
61	R60J106	+/-20% 6.3V	Materials	240-61	Br	N.D.	<del> </del> -	-	-			
	ME44D	CH0402 RO	Waterials	09	Cr6+							
					PBB	-						
					PBDE							
					Pb	N.D.	4					
		048 255 5555		20	Cd	N.D.	_					
	JMK107	CAP X5R 22UF	Composite		Hg	N.D.	-					
62	BBJ226	+/-20% 6.3V		240-62	Cr Pr	N.D.	-	-	-			
	MA-T	CH0603 RO	Materials	09	Br Cr6+	N.D.	-					
	111/7-1	0110000110			PBB	_						
				S	PBDE	· -						
					Pb	N.D.						
				200	Cd	N.D.	1					
	C0603X5	CAP X5R 10UF			Hg	N.D.						
63	63 R106M6 +/-20% 6.3V R3NTK CH0603 RO  Composite Materials	C	Composite	240-63	Cr	12	_		_			
33		Materials		Br	N.D.	_		-				
		als 09	Cr6+									
			PBB	-								
	<u> </u>	<u> </u>	<u> </u>		PBDE	<u> </u>	<u> </u>	<u> </u>	<u> </u>			

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				Test results (Unit: mg.	/kg)																	
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE													
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE													
					Pb	N.D.																
					Cd	10																
	C0201C0	CAP COG 10PF		010 01	Hg	N.D.																
64	G100J50	+/-5% 50V	Composite	240-64	Cr	N.D.	_	_	_													
04			Materials	20	Br	N.D.																
	0NTA	CH0201 RO			Cr6+																	
					PBB PBDE	-																
					PBDE	N.D.																
				20	Cd	N.D.																
	C0201C0	CAP COG 22PF		40	Hg	N.D.																
65	C220 IE0	. / F0/ F0V	Composite	940 CF	Cr	N.D.																
65	G220J50	+/-5% 50V	Materials	240-65	Br	N.D.	<u> </u>	_	-													
	0NTA	CH0201 RO		09	Cr6+																	
				Substitute du trada de la descripción de la descripción de la descripción de la descripción de la deligión deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión de la deligión deligión de la deligión de la deligión de la deligión deligión de la deligión deligió	PBB	-																
					PBDE	NB																
					Pb Cd	N.D. N.D.																
	C0201C0	CAP COG 39PF			Hg	N.D.																
			Composite	240-66	Cr	N.D.	_															
66	G390J25	+/-5% 50V	Materials	09	Br	N.D.	-	-	-													
	0NTA	CH0201 RO		7 7 7 7 7 7	Cr6+																	
				PBB	-																	
	+ + +			PBDE																		
				l v	Pb	N.D.																
	C0201X5	CAP X5R 220NF			Cd         15           Hg         N.D.																	
			Composite	240-67	Cr	N.D.	$\dashv$															
67	R224M6	+/-20% 6.3V		-									-	Materials	-		21001	Br	67		-	-
	R3NTJ	CH0201 RO	Waterials	0 <b>9</b>	Cr6+																	
					PBB	-																
					PBDE																	
				6	Pb	N.D.	_															
	C0201X5	CAP X5R 100NF			Cd	N.D.	_															
	CUZUTAS	CAP ASK TOURF	Composite	210-69	Hg Cr	N.D. N.D.																
68	R104K10	+/-10% 10V	Materials	240-68	Br	88	-	-	-													
	0NTA	CH0201 RO	Waterials	0 <b>9</b>	Cr6+																	
					PBB	-																
					PBDE																	
					Pb	193	_															
	C0204V7	CAR VZR COORE		47	Cd	13 N.D.	_															
	C0201X7	CAP X7R 220PF	Composite	210-60	Hg Cr	N.D. 127	-															
69	R221K25	+/-10% 25V	Composite Materials	240-69	Br	N.D.	-	-	-													
	0NTA	CH0201 RO	widterials	09	Cr6+																	
					PBB	-																
					PBDE																	
					Pb	N.D.																
	000040	040 000 4 000		- °	Cd	N.D.	4															
	70	Composite	010.70	Hg	N.D. N.D.	4																
70			aterials 240-70	Cr Br	N.D.	-	-	-														
		iviateriais		Cr6+	11.0.	1																
			The state of a distribution of the state of	PBB	-																	

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Composite   Comp					Test results (Unit: mg	/kg)				
Element   Data   Cr(VI)   Pb/Hg/Cd   PBB/PBDE	No.	Part No.	Description	Material	Figure	X-ray S	creening		ICP-OES	GC/MS for PBB/PBDE
C0201C0				type		Element	Data	Cr(VI)	Pb/Hq/Cd	PBB/PBDE
Composite   Fig.   Composite   Fig.   Composite   Fig.								()	1	
Cr   N.D.   Green   N.D.   Crest					LO .					
ONTA   RO   Materials   OS   Cr6+   PBB		C0201C0	CAP CM1 100PF			Hg	N.D.			
ONTA   RO   Materials   OC   Cr6+   PBB	71	G101 I25	±/5% 25V CH0201	Composite	240-71	Cr	N.D.		_	_
CC0201	''	G101323	+/3 /6 23 V CHUZU1	Materials	The state of the s	Br	N.D.		-	-
CC0201J   CAP CM1 22PF   PB   N.D.   Cd   N.D.   N.D.   Cd   N.D.   Cd   N.D.   N.D.   N.D.   Cd   N.D.   N.D.   Cd   N.D.   N.D.   N.D.   Cd   N.D.   N.D.   N.D.   N.D.   Cd   N.D.		0NTA	RO							
CC0201J CAP CM1 22PF							-			
CC0201										
CC02011   CAP CM1 22PF   H-5% 25V   Materials   CM201 RO										
T2		CC0201 I	CAP CM1 22PF							
N220				Composite	240.79					
N220	72	RNPO8B	+/-5% 25V	Matarials	Z4U-1Z			-	-	-
CC0201		N220	CH0201 RO	Waterials	09					
CC0201 CAP X7R 1NF					A in the land of t	PBB	-			
CC0201 CAP X7R 1NF						PBDE				
CC0201										
Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Materials   Composite   Composite   Materials   Composite   Comp					5					
BB102   CH0201 RO   Materials   CH0201 RO   Br   N.D.   Cr6+   PBB   PBDE   PBDE   N.D.   Cd   19   N.D.   Cd   19   N.D.   Cr   N.D.		CC0201	CAP X7R 1NF	Composite	2/0-73					
CO201X7	73	KRX7R8	+/-10% 25V		240-73			-	-	-
C0201X7		DD102	CH0201 BO	Materials	09		N.D.			
CO201X7		DD 102	5110201 NO				_			
CO201X7 CAP X7R 1NF R102K25						_				
CO201X7							N.D.			
C0201X7				0						
R102k25		C0201X7	CAP X7R 1NF			Hg	N.D.			
ONTA CH0201 RO  Materials  OS  Cr6+ PBB - PBDE PBDE PB N.D. Cd N.D. Hg N.D. Cr 11 Br N.D. Cr6+ PBB - PBDE  OS  Cr6+ PBB - PBDE  N.D. Cr 11 Br N.D. Cd N.D. Hg N.D. Cr6+ PBB - PBDE  OS  Cr6+ PBB - PBD	74	R102K25	+/-10% 25V	Composite			N.D.	╡.	_	_
C0201C0 CAP COG 33PF 75 G330J25 +/-5% 25V 0NTA CH0201 RO  CM05CG CAP COG 2PF 76 2R0C50 +/-0.25PF 50V AH CH0402 RO  CM05CG CAP X5R 2.2UF 77 25MQ5N +/-20% 6.3V  CM05CG CAP X5R 2.2UF Materials	'-			Materials	The second secon		N.D.			
C0201C0   CAP COG 33PF   Composite   Composite   Composite   Composite   Cap Cog 2PF   Composite   Cap Cog 2PF   Cap Cog Cog Cog Cog Cog Cog Cog Cog Cog Cog		0NTA	CH0201 RO		4 4 4 4 4 4					
C0201C0 CAP COG 33PF  FB N.D.  Cd N.D.  Hg N.D.  Cr 11  Br N.D.  Cr6+  PBB -  PBDE  CM05CG CAP COG 2PF  4/-0.25PF 50V  AH CH0402 RO  CMaterials  CM05CG CAP COG 2PF  4/-0.25PF 50V  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG CAP COG 2PF  AH CH0402 RO  CM05CG N.D.  Br N.D.  Cd N.D.  Cr N.D.  Br N.D.  Cd 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 49  Hg N.D.  CG 19  CG 49  Hg N.D.  CG 19							-			
C0201C0 CAP COG 33PF 4/-5% 25V 0NTA CH0201 RO  CM05CG CAP COG 2PF 76 2R0C50							ND			
CO201C0					00					
To   G330J25		C0201C0	CAP COG 33PF							
ONTA CH0201 RO    Materials				Composite	2/0-75					
ONTA CH0201 RO  Cr6+ PBB PBDE PBDE  CM05CG CAP COG 2PF 4/-0.25PF 50V AH CH0402 RO  Composite Materials  Cr6+ PBB PBDE PD  RD  Cd N.D. Hg N.D. Cr N.D. Br N.D. Cr6+ PBB PBDE  Cr6+ PBB PBDE Pb N.D. Cr6+ PBB PBDE  Cr6+ PBB PD  Cr6+ PBB PD  Cr6+ PBB PD  Cr6+ PBB PD  Cr6 PBB PBD  Cr6+ PBB PD  Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB PBD  Cr6+ PBB PBD  Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB PBD  Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB N.D. Cr6+ PBB PBD  Cr6+ PBB N.D. Cr6+ PBB	/5	G330J25	+/-5% 25V	Materials		Br	N.D.	_	-	-
CM05CG		0NTA	CH0201 RO		7 7 7 7 7 7					
CM05CG CAP COG 2PF 2R0C50							-			
CM05CG										
CM05CG								-		
76 2R0C50		CM05CG	CAP COG 2PF					1		
AH CH0402 RO				Composite	210.76			1		
AH CH0402 RO  CC6+ PBB - PBDE  CL05A2 CAP X5R 2.2UF 25MQ5N +/-20% 6.3V  Composite Materials  CC6+ PBB - PBDE  Cd 49 Hg N.D. Cr N.D. Br N.D.	76	2R0C50	+/-0.25PF 50V		240-70			-	-	-
PBB - PBDE  CL05A2 CAP X5R 2.2UF  77 25MQ5N +/-20% 6.3V Composite Materials  CL05A2 CAP X5R 2.2UF  Br N.D.  Cr N.D.  Br N.D.		АН	CH0402 RO	waterials				1		
CL05A2 CAP X5R 2.2UF 77 25MQ5N +/-20% 6.3V Composite Materials  CL05A2 CAP X5R 2.2UF  Materials  Composite Materials  Composite Materials					Bakonde salata latakatakatakataka		-			
CL05A2 CAP X5R 2.2UF +/-20% 6.3V Composite Materials Cd 49 Hg N.D. Cr N.D. Br N.D.										
77 CL05A2 CAP X5R 2.2UF 25MQ5N +/-20% 6.3V Composite Materials Com					10			_		
77 25MQ5N +/-20% 6.3V Composite Materials 240-77 Br N.D		01.65.5	0.1 D. V.F.D. 0.11.		*			1		
Materials Br N.D.		CL05A2	CAP X5R 2.2UF	Composite	210 77			4		
materials	77	25MQ5N	+/-20% 6.3V		240-11			-	-	-
I SITE I SUUTUE INC. I I I I I I I I I I I I I I I I I I I		SNC	CH0402 RO		als 09	Cr6+	N.D.	-		
PBB -		5.10					-			
PBDE PBDE										

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				Test results (Unit: mg	/kg)				
No.	Part No.	Description	Material	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
			type		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	N.D.	- ( )	<b>J</b>	
				- W	Cd	8			
	C0402X5	CAP X5R 2.2UF			Hg	N.D.			
78	R225M6	+/-20% 6.3V	Composite	240-78	Cr	N.D.	<u> </u>	_	_
			Materials	09	Br	N.D.			
	R3NTB	CH0402 RO		1 2 × 4 0 0	Cr6+ PBB				
					PBDE	-			
					Pb	N.D.			
				40	Cd	N.D			
	C0201C0	CAP COG 4.7PF		E*	Hg	N.D.			
79	G4R7C5	+/-0.25PF 50V	Composite	240-79	Cr	N.D.		_	_
,,,			Materials	09	Br	N.D.			
	00NTA	CH0201 RO			Cr6+				
					PBB PBDE	-			
					Pb	N.D.			
				20	Cd	N.D.			
	GRM033	CAP COG 2.2PF			Hg	N.D			
80	5C1H2R	+/-0.25PF 50V	Composite	240-80	Cr	N.D.			
80	SCIHZK	+/-U.25PF 3UV	Materials		Br	N.D.	_	-	-
	2CA01D CH0201 RO		0 <b>9</b>	Cr6+					
				PBB	-				
					PBDE Pb	N.D.			
			0	Cd	N.D. 22				
	C0201C0	CAP COG 0.5PF	Composite	24U-01	Hg	N.D.			
					Cr	N.D.	Ⅎ ຺	_	
81	G0R5B5	+/-0.1PF 50V	Materials		Br	N.D.	Ī -	-	-
	00NTA	CH0201 RO			Cr6+				
					PBB	-			
					PBDE				
				LO CO	Pb Cd	N.D. 10			
	GRM033	CAP COG 82PF		-	Hg	N.D.			
			Composite	240-82	Cr	15			
82	5C1E820	5% 25V CH0201	Materials		Br	N.D.	-	-	-
	JA01D	RO		0G	Cr6+				
				Sichenderforbilden bei der bei bei bei bei bei bei bei bei bei bei	PBB	-			
					PBDE	N.D.			
				TO CO	Pb Cd	N.D. 12	+		
	C0201C0	CAP COG 82PF		-	Hg	N.D.	-		
			Composite	240-83	Cr	N.D.	1		
83	G820J25	5% 25V CH0201 Materials	The second secon	Br	N.D.	1 -	-	-	
	0NTA	RO		09	Cr6+		]		
				Similar de la companya della companya de la companya de la companya della company	PBB	-			
					PBDE				
				10	Pb	N.D.	4		
	C0201C0	CAP COG 7PF			Cd	N.D. N.D.	-		
			Composite	240-84	Hg Cr	N.D. N.D.	-		
84		+/-0.25PF 50V		TO NOT THE THE PARTY OF THE PAR	Br	N.D.	† -	-	-
	00NTA	CH0201 RO	Materials	als	Cr6+		1		
		A CHUZUI KU		Z 0 4 0 0 0	PBB	-			
				PBDE					

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				Test results (Unit: mg	/kg)				
No.	Part No.	Description	Material type	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
					Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE
					Pb	10	. ,		
				LO .	Cd	17			
	C0201C0	CAP COG 2.7PF		240-85	Hg	N.D.			
85	G2R7C5	+/-0.25PF 50V	Composite		Cr	N.D.	_	_	-
	CONTA	CUMMA DO	Materials	09	Br	N.D.	1		
	00NTA	CH0201 RO		F2 2 2 9 9 2	Cr6+ PBB				
					PBDE	-			
					Pb	N.D.			
		PMU FOR		8	Cd	N.D.			
	PM8015-				Hg	N.D.			
86	0-136NS	MDM6200	Composite	240-86	Cr	N.D.	_	_	_
		NSP-136	Materials	09	Br	N.D.			
	Р	5*7*0.89MM RO			Cr6+				
					PBB PBDE	-			
					Pb	N.D.			
		MEMO		240-87	Cd	5	-		
	FM64D1 G12A-5B AGE	1G16NAND+512M	Composite Materials		Hg	232		-	
87					Cr	N.D.			-
01					Br	N.D.			
					Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
	ESD9L5. 0ST5G	TVS 5V 0.5PF SOD-923 RO	Composite Materials	240-88	Cd	12	- - - - -	-	-
					Hg	N.D.			
88					Cr	N.D.			
00					Br	N.D.			
					Cr6+				
					PBB	-			
					PBDE Pb	N.D.	<u> </u>		<del> </del>
				u)	Cd	N.D.	-	-	-
				240-89	Hg	N.D.			
89	ESD9M5		Composite Materials		Cr	N.D.			
09	.0ST5G				Br	N.D.			
					Cr6+				
					PBB	-			
					PBDE Pb	N.D.			
1				20	Cd	N.D.			
				-	Hg	N.D.	1		
00	ESD9X5	ESD 5.0V 50PF	Composite	240-90	Cr	N.D.	]		
90	VD-2/TR	SOD923 RO	Materials		Br	59	] -	_	-
		_		0 <b>9</b>	Cr6+				
1					PBB	-			
					PBDE	ND	1		
1		4014 0707		0	Pb Cd	N.D. N.D.	- - - 		
	LMSP2P	ASM SP9T		I. "	Hg	N.D.			
		Q-BAND	Composite Materials	240-91	Cr	N.D.			
91	QK-857T				Br	N.D.		-	-
	EMP			09	Cr6+				
1		2.5*2.5 RO		30 international and internati	PBB	-			
					PBDE				

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				Test results (Unit: mg	/kg)					
No.	Part No.	Description	Material type	Figure	X-ray S	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE	
					Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE	
					Pb	N.D.				
		SAW		0	Cd	N.D.				
	SAFFB1			*	Hg	163				
92	G58FA0	GPS/GLONASS	Composite	240-92	Cr	181	_	_	_	
32		50/100R 1.1*0.9	Materials	The state of the s	Br	N.D.		-	-	
	F0AR15	RO		0 <b>S</b>	Cr6+					
		KO .			PBB	-			i	
					PBDE	N.D.				
				[ N	Pb Cd	N.D.	_			
	SAFFB2	SAW RX WCDMA			Hg	218	_			
			Composite	240-93	Cr	165	1			
93	G14FA0	BAND1 50/100R	Materials	240 99	Br	N.D.		-	-	
	F0AR15	1.1*0.9MM RO	Materiais	09	Cr6+		-			
				and the state of t	PBB	-				
					PBDE					
					Pb	20				
		SAW RX GSM900 50/150R 1.1X0.9 RO	Composite Materials	240-94	Cd	N.D.	-	-		
	42MFL0 5				Hg	182				
94					Cr	147			_	
					Br	N.D.				
	F0AR15				Cr6+					
					PBB	-				
					PBDE	NB				
		SAW FILTER FOR GSM 1800/1900 1.5*1.1 RO	Composite Materials	240-95	Pb Cd	N.D.	- - - - -	-	-	
	SAWFD1 G84BH0 F0A				Hg	N.D. 90				
					Cr	80				
95					Br	N.D.				
					Cr6+					
					PBB	-				
					PBDE					
					Pb	27		-	-	
		SAW DPX UMTS		- W	Cd	N.D.	-			
	D6PE2G		0	240-96	Hg	N.D.				
96	140P3A	BAND1	Composite		Cr	138				
		50/100/50R	Materials		Br	-				
	W-Z	2.0*1.6 RO			Cr6+					
					PBB	-				
					PBDE Pb	11				
	EAD DE	CAM DDV I MATC		2	Cd	N.D.	1			
	FAR-D5	SAW DPX UMTS			Hg	N.D.	1		-	
	PE-881M	BAND5	Composite	240-97	Cr	117	1			
97	50-P3EZ	50/100/50R	Materials		Br	-	-	-		
			materials	09	Cr6+		1			
	-Z	2.0*1.6 RO		Market relected and a stacket relected as party	PBB	-				
					PBDE					
					Pb	N.D.				
				u) do	Cd	N.D.	- - - -			
	SAFFB8	B5 RX SAW	Composito	0.40.00	Hg	N.D.				
98	81MFM0		Composite	240-98	Cr	180		_	-	
30		1.1*0.9MM RO	Materials	09	Br Cr6+	N.D.				
	F0A			0 <b>S</b>	Cr6+	I				
				0, 00 00 00 01	PBB					

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				Test results (Unit: mg/	/kg)				
No.	Part No.	Description	Material type	Figure	X-ray So	creening	Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE
		2000 i piloti		- I iguic	Element	Data	Cr(VI)	Ph/Ha/Cd	PBB/PBDE
					Pb	N.D.	Ci(VI)	Pb/Hg/Cd	PDD/PDVE
				9 #	Cd	N.D.			
	SAFFB1				Hg	152	-		
		B2 RX SAW	Composite	240-99	Cr	104			
99	G96FN0	1.1*0.9MM RO	Materials	The second secon	Br	160	-	-	-
	F0A			09	Cr6+				
				5. dieniminateinistatut (h.)	PBB	-			
					PBDE				
		RF			Pb	30			
		DUAL DROADDA		0 3	Cd	54 N.D.			
	TQM7M6	DUAL-BROADBA	Composite		Hg Cr	N.D. 52	-		
100		ND	-	240-100	Br	N.D.	-	-	-
	125	WCDMA/CDMA	Materials	09	Cr6+	II.D.	1		
				<b>Scholadorical</b> stabilità de la constantina del constantina de la constantina de la constantina del constantina de la constantina de la constantina de la constantina de la constantina del constantina del constantina de la constantina de la constantina del constantina de la constantina del consta	PBB	_			
		PA 3*4MM RO			PBDE				
					Pb	33			
		SAW DPX UMTS		200	Cd	N.D.			
	D6PE1G 960P3B P-Z	BAND2 50/100/50R 2.0*1.6 RO	Composite Materials	240-101	Hg	N.D.	-	-	
101					Cr	57			-
					Br	•			
					Cr6+				
					PBB	-			
					PBDE	NB	<del>                                     </del>		
				Line Control of the C	Pb Cd	N.D. 5			-
	SAFFB8 81MFL0 F0A	GSM850 RX SAW 1.1*0.9MM RO	Composite Materials	240-102	Hg	164	- - - -	-	
					Cr	120			
102					Br	75			
					Cr6+	-			
					PBB	-			
					PBDE				
		B8 RX SAW		240-103	Pb	N.D.	-	-	-
					Cd	N.D.			
	SAFFB9		Composite		Hg	150			
103	42MFM0				Cr	123			
	F0A	1.1*0.9MM RO	Materials	09	Br Cre.	233			
	104				Cr6+ PBB	_			
					PBDE	-			
					Pb	15			
		SAW DPX UMTS		200	Cd	N.D.	1		
	D5PE94				Hg	N.D.	]		
104	2M5P3G	BAND8	Composite	240-104	Cr	N.D.	1 -	_	_
.54		50/100/50R	Materials	ng	Br	-	1		
	Т	2.0*1.6 RO		2 2 2 3 4 3	Cr6+				
		∠.U"1.6 KU			PBB	-			
					PBDE Pb	N.D.			
				10 Mg	Cd	N.D.	- - - - -		
	DPX162	DIPLEXER FOR		240-105	Hg	N.D.			
			Composite Materials		Cr	173		-	
105	170DT-8				Br	N.D.			-
	022B1	1.6*0.8MM RO	atoriais	0 <b>9</b>	Cr6+		1		
1				Section to the section of the sectio	PBB	-			
					PBDE				

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	Test results (Unit: mg/kg)									
No.	Part No.	Description	Material type	Figure	X-ray Screening		Spot-test /UV-vis	ICP-OES	GC/MS for PBB/PBDE	
			турс		Element	Data	Cr(VI)	Pb/Hg/Cd	PBB/PBDE	
					Pb	N.D.				
		RF PA		00	Cd	N.D.				
	TQM7M5	QUAD-BAND	Composito		Hg	N.D.				
106	I QIVI / IVIO	QUAD-BAND	Composite	240-106	Cr	N.D.	_	_	-	
	050	GSM/EDGE 5X3.5	Materials	00	Br	N.D.				
		RO			Cr6+					
		1.0			PBB	-				
					PBDE					
				1	Pb Cd	22 N.D.				
	MDM620	BB+RF TRX		20	Hg	N.D.				
	0-0-486N SP HSPA+/WCDMA/ GSM DM NSP486 RO	Composite	n a	п <u>у</u> Сr	N.D.	•				
107		GSM DM NSP486	Materials	240-107	Br	N.D.	- - -	-	-	
					Cr6+	14.5.				
					PBB	_				
					PBDE					
	SIM5360				Pb	42				
		CIMESCO CHIELDI		Cd	N.D.					
	SHIELDI			Metal 240-108	Hg	N.D.	N.D.	- -	-	
	NG	SINDSOU_SHIELDI	Metal		Cr	1.90×10 <sup>5</sup>				
108	201/22	NG_COVER_1003			Br	-				
	COVER	20 RO			Cr6+					
	100320	20.1.0			PBB	_				
	RO				PBDE		-			
	SIM5360				Pb	N.D.				
				- 5 E	Cd	N.D.				
	SHIELDI	SIM5360_SHIELDI		20	Hg	N.D.				
109	NG FRM	NG_FRM_NEW_1	Metal	0.10.100	Cr	123	_	-	-	
	NEW			240-109	Br	-				
	NEW	00320 RO		09	Cr6+					
	100320				PBB	-				
			]		PBDE					

### Note:

- (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<sup>6+</sup>.
  - (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Pb、Cd、Hg); UV-VIS(for Cr<sup>6+</sup>) and GC-MS (for PBBs, PBDEs) is recommended to be performed.
  - (c) The XRF screening test for RoHs elements-The reading may be different to the actual content in the sample be of non-uniformity composition.
  - (d) With reference to 2006/66/EC Batteries Instruction method, Lead and Cadmium analysis are performed by AAS; Mercury analysis is performed by ICP-OES.
- (2) (a) mg/kg=ppm=0.0001%, N.D.= not detected(<MDL), —— = not available, /= not conducted.
  - (b) Unit and Method Detection Limit (MDL) in wet chemical test and XRF



Test Items	Pb	Cd	Hg	Cr	Br
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
XRF MDL	10.0	5.0	20.0	10.0	50.0
Wet Chemical Test MDL	1	1	1	_	_

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr<sup>6+</sup> for polymer & composite sample is 1 mg/kg.

#### (c) Spot-test:

Negative = Not Detected of Cr<sup>6+</sup> coating, Positive = Presence of Cr<sup>6+</sup> coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed or negative)

#### Boiling-water-extraction:

Negative = Not Detected of Cr<sup>6+</sup> coating

Positive = Presence of  $Cr^{6+}$  coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with  $50 \text{cm}^2$  sample surface area used.

Storage conditions and production date of the tested sample are unavailable and thus results of Cr<sup>6+</sup> represent status of the sample at the time of testing.

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# Sample photo:



Photo 1 The front of SIM5360A



Photo 2 The front of SIM5360E





Photo 3 The front of SIM5360J

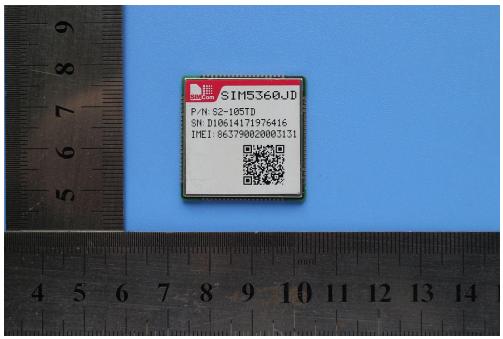


Photo 4 The front of SIM5360JD



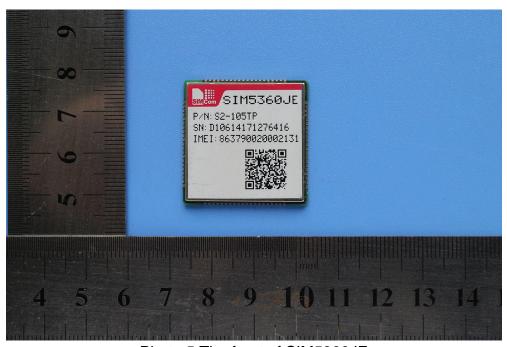


Photo 5 The front of SIM5360JE

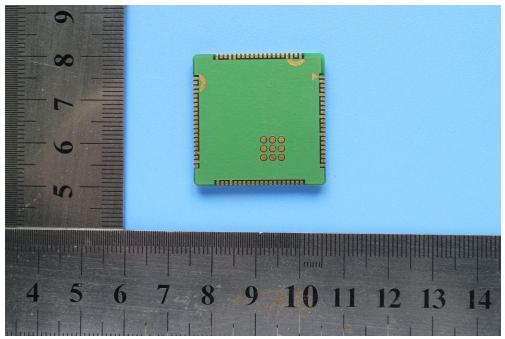


Photo 6 The back of SIM5360

Email: <a href="mailto:cttl\_terminals@catr.cn">cttl\_terminals@catr.cn</a>, website: <a href="mailto:www.chinattl.com">www.chinattl.com</a>

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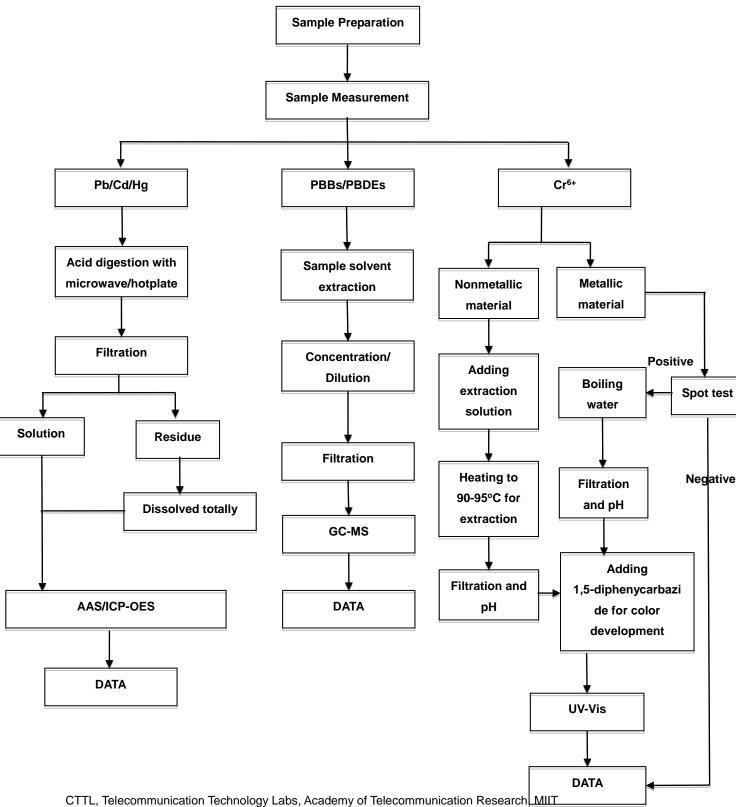
# The Main Testing Equipment list

No.	Equipment Name	Model/spec	Equipment Serial Number	Calibration valid date	(√)
1.	XRF analyzer	Ux-310	F2008AA6	2015-07-01	<b>√</b>
2.	XRF analyzer	Ux-310	F2009521	2015-07-01	
3.	XRF analyzer	Ux-310	F1162	2015-07-01	
4.	XRF analyzer	XLT-797WZ	10740	2015-07-01	
5.	XRF analyzer	SEA6000VX	106004050001	2015-07-02	<b>√</b>
6.	ICP-AES	5300DV	077N5072703	2015-07-09	
7.	GC-MS	Clarus500	GC:650N5081051 MS:651N5072702	2015-07-21	<b>√</b>
8.	HPLC	e2695	G09SM4892A	2016-07-22	
9.	LC-MSMS	API3200	LC:L20104611696AE MS:AA20320807	2015-11-07	
10.	UV-VIS	Lambda 35	101N5081605	2015-10-18	
11.	IC	ICS2000	09090780	2015-12-19	
12.	Electronic balance	CP225D	50861713	2015-11-14	
13.	Electronic balance	CPA225D	26192007	2015-04-03	<b>√</b>



## Measurement Flow-Chart of Chemical Testing

These samples were dissolved totally by pre-conditioning method according to below flow chart.

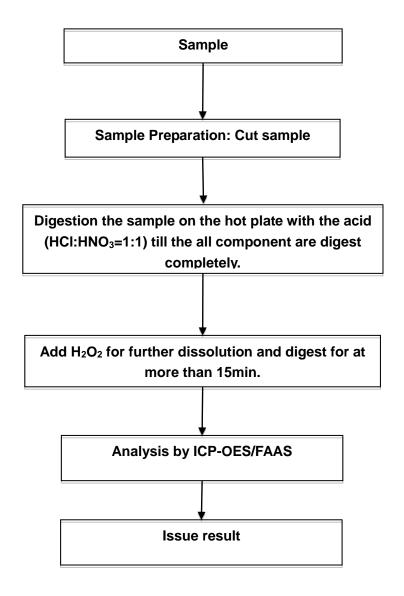


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### **Test Flow Chart**



\*\*\*END OF REPORT\*\*\*

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