Test report

23P-006972

Verify Report

Overall result PASS

Please refer to the following pages for test result summary and notes.

Client information

Client: Polyconcept GBS

Address: 4th Floor, Hongqiao Rongguang Building, 11 Changshun Road, Changning District, Shanghai
200051
China

Sample information

Description: Savvy recycled plastic modular charging cable with phone holder / Whiz recycled plastic modular charging cable

Article #: 12436101 - WH/12436190 - BK/12436201 - WH/12436290 - BK

Factory #: #12529

Vendor #: #10376

Country of origin: China

Country of distribution: Europe

Quantity submitted: 4 pcs per style

Purchase order #: 660137/660138

Toy Co./Agency: -

Labeled age grade: -

Requested age grade: -

Tested age grade: -

General information

Sample receipt date: 06-Nov-2023

Testing period: 07-Nov-2023 to 21-Nov-2023

Report date: 22-Nov-2023

Hansecontrol Technical Testing Service (Shanghai) Company Limited

Joyce Liu
Manager, Electrical & Electronic Laboratory

Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
EN 55032:2015+A11:2020‘ϕ’	PASS
EN 55035:2017+A11: 2020‘ϕ’	PASS

Note:
Test(s) marked with ‘ϕ’ indicate tests performed in external laboratories.

Detailed results

General description of test item(s)

Description .....:	Savvy recycled plastic modular charging cable with phone holder / Whiz recycled plastic modular charging cable
Article Number.....:	12436101 - WH/12436190 - BK/12436201 - WH/12436290 - BK
Project Number.....:	--
Order Number.....:	--
General product information.....:	The product tested in this report are plastic modular charging cables.

Rated power supply .....:

	Voltage and Frequency	Reference poles			
		N	L1	L2	L3
☐	AC: 220-240V 50Hz	☒	☒	☐	☐
☐	AC:230W	☐	☐	☐	☐
☒	DC: powered by USB				

Rated Power.....:	-
Protection Class .....:	Class III
Clock frequencies.....:	<108MHz
Other parameters .....:	--
Software version .....:	--
Hardware version.....:	--

Mounting position:

☐	*Table top equipment*
☐	*Wall/Ceiling mounted equipment*
☐	*Floor standing equipment*
☐	*Hand-held equipment*
☒	*Other:*

Modules/parts .....:

Module/parts of test item	Type	Manufacturer
none	--	--

Operating modes .....:

No.	Operating mode of test item	Applied for testing	
		Emission	Immunity
1	On	☒	☒

Supplemental information to the operating modes .....:	---

Accessories (not part of the test item) :

Accessory	Type	Manufacturer
--	--	--

Modifications to the test item during testing .....:	none
General remarks.....:	The EUTs in this report are all same except different shape and length.

Detailed results

Verdict summary section

EN 55032:2015+A11:2020		
Requirement – Test	Result	Verdict
Limits of mains terminal disturbance voltage	-	N/A
Limits of conducted common mode (asymmetric mode) disturbance	-	N/A
Limits of conducted differential voltage disturbance	-	N/A
OUTDOOR UNITS – Limits of conducted disturbance between 1 GHz to 18 GHz	-	N/A
Limits for Radiated disturbance below and above 1GHz (OATS/SAC + FSOATS)	-	N/A
Limits for radiated disturbance below and above 1GHz (FAR + FSOATS)	See detail test result	P
OUTDOOR UNITS – Limits for radiated disturbance between 1 GHz to 18 GHz (FSOATS)	-	N/A

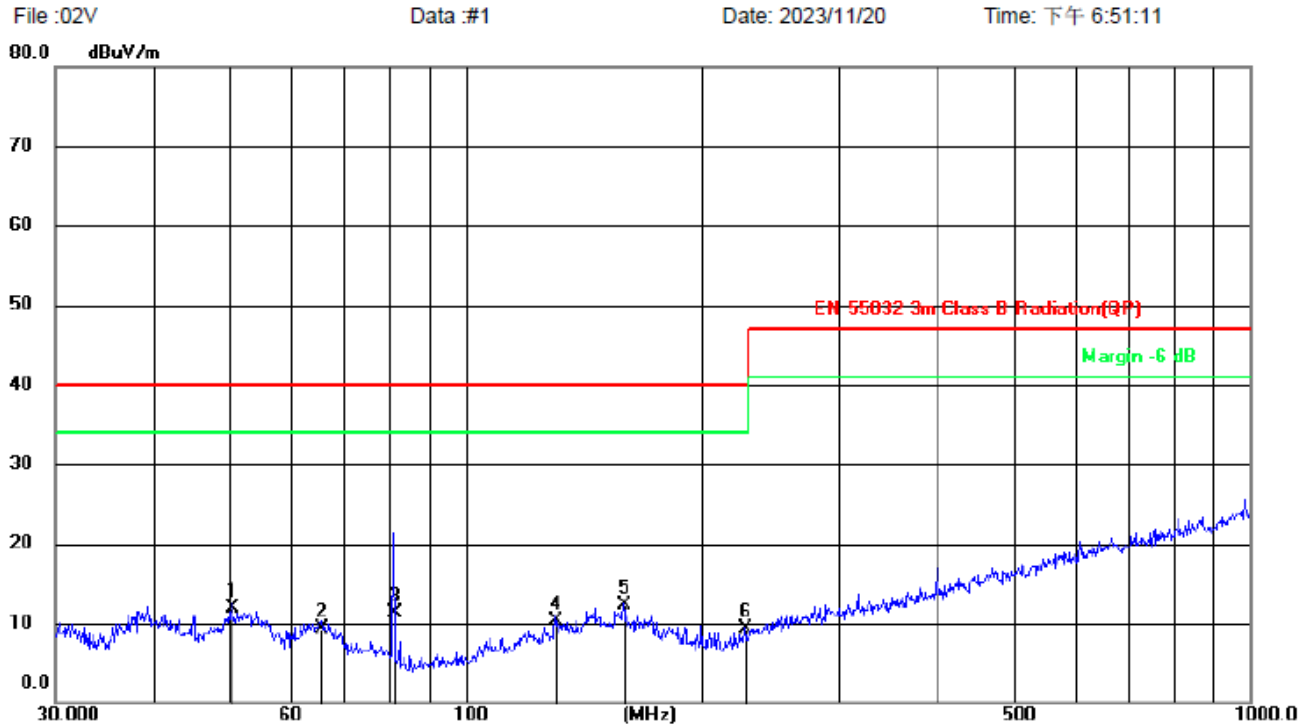
EN 55035:2017+A11:2020		
Requirement – Test case	Basic standard	Verdict
Electrostatic discharge	EN 61000-4-2	P
Fast transients	EN 61000-4-4	N/A
Injected currents, 0,15 MHz to 80 MHz	EN 61000-4-6	N/A
Radio frequency electromagnetic fields	EN 61000-4-3	P
Surges	EN 61000-4-5	N/A
Voltage dips and interruptions	EN 61000-4-11	N/A
Power magnetic fields	EN 61000-4-8	N/A
Supplementary information:--		

Detailed results

Radiated electromagnetic disturbances (30 MHz to 1000 MHz)

Test date ..... :	2023-11-20	
Applied limit class..... :	☒	Table 3b Radiated disturbance limits
	☐	Table B.1 Common mode terminal voltage, CDN method
	☐	Other:
Test set-up description ..... :	☒	Equipment on a table of 80 cm height
	☐	Equipment on the floor (insulated from ground plane)
	☐	Equipment on a 10 cm support over the ground plane according CISPR 15 Annex B
	☐	Other:
Supplementary test set-up description ..... :	---	
Test method applied..... :	☒	OATS or SAC with measurement distance [m]: 3 m
	☐	FAR with measurement distance [m]:
	☐	TEM Waveguide
	☐	CDN(E) according to CISPR 15 Annex B
Supplementary information ..... :	---	

Test result - H



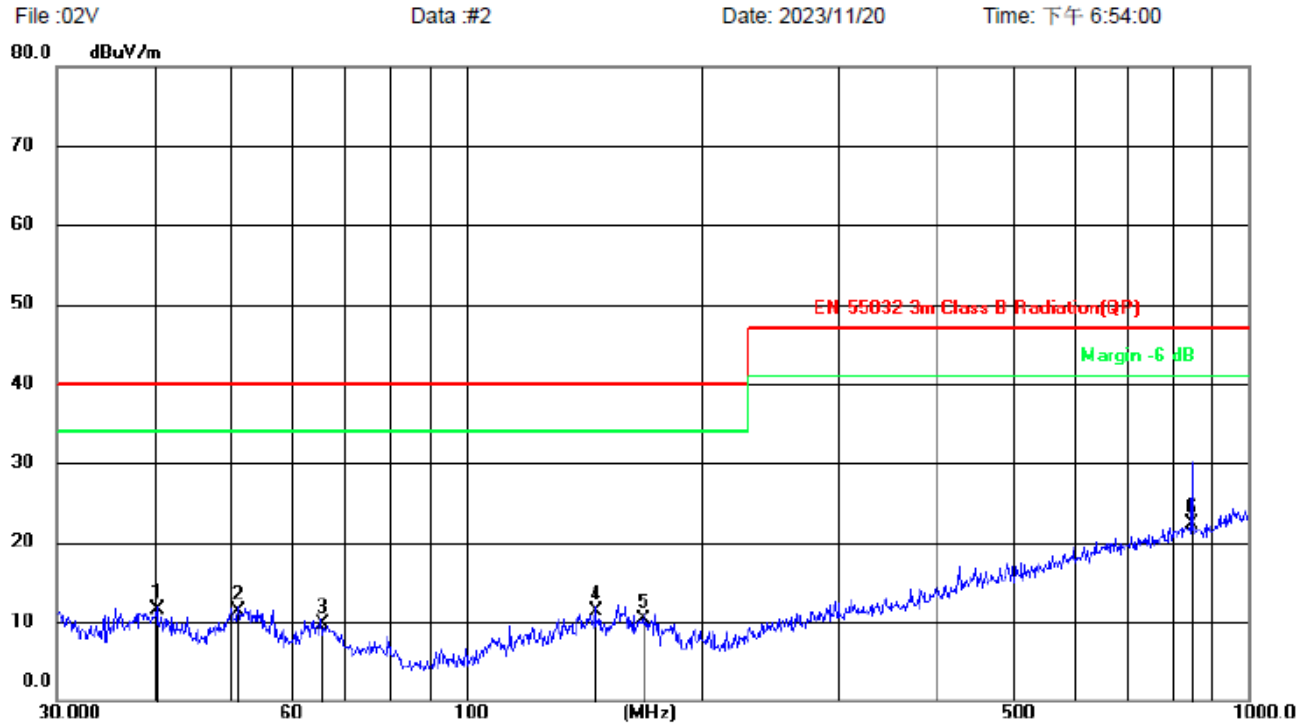
Site 966 3m Site LAB
Limit: EN 55032 3m Class B Radiation(QP)
EUT: 23P-006972
M/N:
Mode:
Note:

Polarization: *Horizontal*
Power: AC230V/50Hz
Distance: 3m

Temperature: 21
Humidity: 40 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		50.3559	31.83	-19.87	11.96	40.00	-28.04	QP	200	19	
2		65.5727	30.60	-21.24	9.36	40.00	-30.64	QP	100	324	
3		80.9557	35.70	-24.44	11.26	40.00	-28.74	QP	100	294	
4		130.2875	30.99	-20.74	10.25	40.00	-29.75	QP	100	66	
5	*	158.9462	31.36	-19.01	12.35	40.00	-27.65	QP	200	108	
6		226.9732	30.78	-21.40	9.38	40.00	-30.62	QP	100	0	

Test result - V



Site 966 3m Site LAB
Limit: EN 55032 3m Class B Radiation(QP)
EUT: 23P-006972
M/N:
Mode:
Note:

Polarization: *Vertical*
Power: AC230V/50Hz
Distance: 3m

Temperature: 21
Humidity: 40 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		40.2757	31.87	-20.33	11.54	40.00	-28.46	QP	100	112	
2		51.1209	31.14	-19.91	11.23	40.00	-28.77	QP	100	251	
3		65.3432	30.84	-21.20	9.64	40.00	-30.36	QP	100	311	
4		146.3735	30.61	-19.35	11.26	40.00	-28.74	QP	100	141	
5		168.4138	29.75	-19.38	10.37	40.00	-29.63	QP	100	63	
6	*	845.9772	27.58	-5.24	22.34	47.00	-24.66	QP	100	0	

Detailed results

Performance criteria as defined by the standard	
Criterion	Description from standard
A	The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
B	During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test. After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended
C	Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost
Other:	--

Detailed results

Electrostatic discharge

Test date ..... :	2023-11-20	
Test set-up ..... :	☒	Table top equipment
	☐	Floor standing equipment
	☐	Wall or ceiling mounted equipment (Treated as table top)
Supplementary test set-up description ..... :	--	
Size of horizontal coupling plate . :	1,6 x 0,8 m	
Size of vertical coupling plate..... :	0,5 x 0,5 m	
Number of discharges for each test point ..... :	10	
Discharge interval..... :	1/s	
Performance criterion ..... :	B	
Supplementary information ..... :	---	

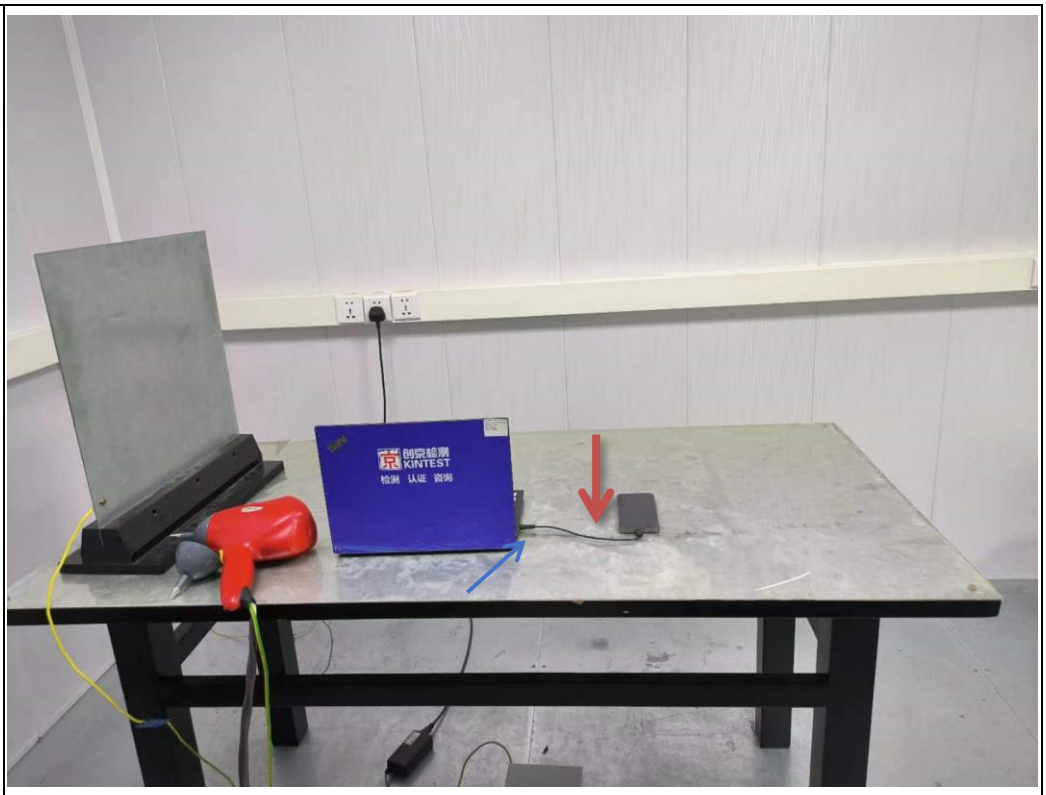
Photo of selected test points ..... :	 Air discharge: switch, button, caps in the enclosure, display (red arrow) Contact discharge: metal parts, screws, (blue arrow)

Table: Test results for electrostatic discharges

No.	Location of discharge	Polarity	Discharge	Number of discharges	Test level [kV]	Operating mode	Observations
1	HCP top side	P	C	10	4	1	Criterion A
2	HCP top side	N	C	10	4	1	Criterion A
3	HCP bottom side	P	C	10	4	1	Criterion A
4	HCP bottom side	N	C	10	4	1	Criterion A
5	VCP right side	P	C	10	4	1	Criterion A
6	VCP right side	N	C	10	4	1	Criterion A
7	VCP left side	P	C	10	4	1	Criterion A
8	VCP left side	N	C	10	4	1	Criterion A
9	Points on conductive surface as indicated in the picture above	P	C	10	4	1	Criterion A
10	Points on conductive surface as indicated in the picture above	N	C	10	4	1	Criterion A
11	Points on non-conductive surface as indicated in the picture above	P	A	10	8	1	Criterion A
12	Points on non-conductive surface as indicated in the picture above	N	A	10	8	1	Criterion A

HCP = Horizontal coupling plate
VCP = Vertical coupling plate
N = Negative
P = Positive
A = Air discharge
C = Contact discharge

Supplementary information:

Detailed results

Radio frequency electromagnetic fields

Test date :	2023-11-20	
Test set-up :	☒	Equipment on the table (0,8 m height)
	☐	Equipment standing on floor (0,05 – 0,15 m height)
Supplementary test set up description :	--	
Exposed side of EUT :	☒	0° (Front)
	☒	90 °
	☒	180 ° (Rear)
	☒	270 °
Reason for not exposing a side :	--	
Distance Antenna to EUT :	150 cm	
Test method :	☒	IEC 61000-4-3
	☐	IEC 61000-4-22
Step size [%] :	1%	
Performance criterion :	A	
Mains voltage / frequency during test :	--	
Supplementary information :	--	

Test results for radiated electromagnetic field

Frequency range	Test Level [V/m]	Polari-zation	Modulation	Operation mode	Dwell time [s]	Observations
80-1000 MHz	3	H/V	80% AM 1kHz	1 and 2	3	Criterion: A

H = Horizontal
V = Vertical

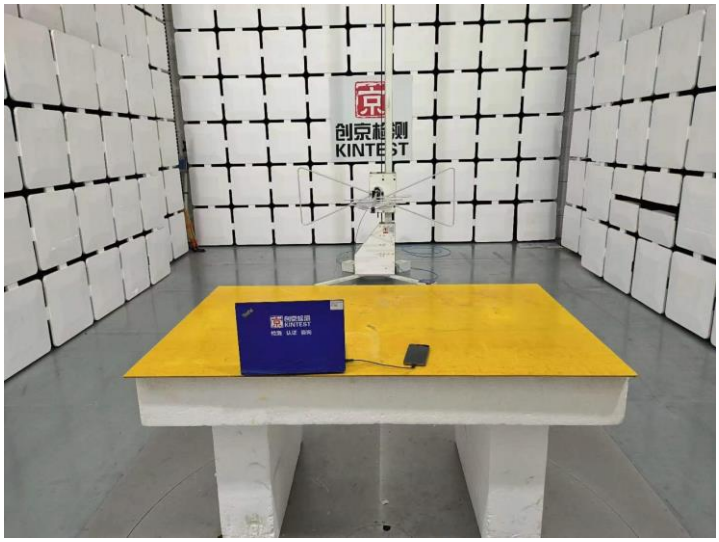
Supplementary information:

Pictures

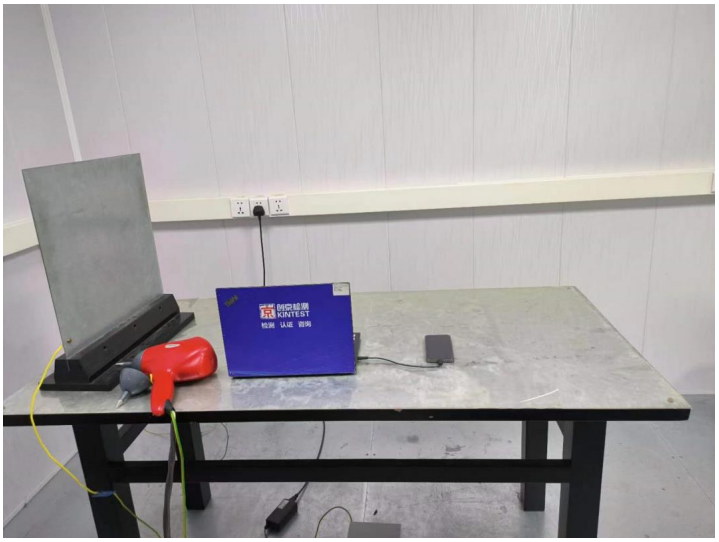
Sample photo:

Pictures

Setup photo:



Radiated electromagnetic disturbances (30 MHz to 1000 MHz)



Electrostatic discharge

Radio-frequency electromagnetic fields

End of the report