Test Report

Applicant:	I.R.I.S.S.A.	Number:	161228033SZN-003
	Rue du Bosquet 10, 1348 Louvain-La-Neuve, Belgium	Date:	10 January 2017

Sample Description

Product	:	Portable Auto Feed Scanner
Model No.	:	IRIScan™ Anywhere 3 Wifi
Additional Model No.	:	IRIScan™ Anywhere 5 Wifi
Electrical Rating	:	Rechargeable battery DC 3.7V and charged by Adapter
Date Received	:	14 April 2016
Date Test Conducted	:	14 April 2016 to 24 April 2016
Test Requested	:	Test for compliance with EN 62311: 2008
Test Method	:	EN 62311: 2008
Test Result	:	See the attached sheets
Conclusion	:	The submitted samples **Complied** with the above safety standard. But the note should be noted.

This report bases on the previous report with report number 160414019SZN-004 dated 26 April 2016 (original signature Sunny Zhou, Hardy Suo on the file), due to add the new model in this report, no additional test after engineering evaluation.

The Model: IRIScan™ Anywhere 5 Wifi is the same as the Model: IRIScan™ Anywhere 3 Wifi in hardware aspect. The difference in model number serves as marketing strategy.

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Prepared and Checked By:

Sign On File
Jackson Yang
Engineer

Approved By:

Digitally signed by Sunny Zhou
Location: Intertek Testing Services

Sunny Zhou
Project Engineer
Date: 10 January 2017

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Test Results: Number : 161228033SZN-003

EN 62311: 2008

Clause	Title/Description	Result
1	Scope	
2	Normative references	--
3	Terms and definitions	--
4	Compliance criteria	Complied (See Note)
5	Assessment report	--

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(1) When determining the test conclusion, the Measurement Uncertainty of test has been considered.

(2) According to EN 62311: 2008, the apparatus shall comply with the basic restriction specified in Council Recommendation 1999/519/EC. The reference levels in the Council Recommendation 1999/519/EC on public exposure to electromagnetic fields are derived from the basic restrictions using worst-case assumptions about exposure. The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields
(0Hz to 300GHz, unperturbed rms values)

Frequency Range	E-Field Strength (V/m)	H-Field Strength (A/m)	B-Filed (uT)	Equivalent plane wave power density Seq (W/m2)
0-1 Hz	-	3.2 * 104	4 * 104	-
1-8 Hz	10000	3.2 * 104 / f2	4 * 104 / f2	-
8-25 Hz	10000	4000 / f	5000 / f	-
0.025-0.8 kHz	250 / f	4 / f	5 / f	-
0.8-3 kHz	250 / f	5	6.25	-
3-150 kHz	87	5	6.25	-
0.15-1 MHz	87	0.73 / f	0.92 / f	-
1-10 MHz	87 / f1/2	0.73 / f	0.92 / f	-
10-400 MHz	28	0.073	0.092	2
400-2000 MHz	1375 f1/2	0.0037 f1/2	0.0046 f1/2	f / 200
2-300 GHz	61	0.16	0.020	10

From above table, the maximum power density limits is 10 W/m^2 for Portable Auto Feed Scanner operation at 2400-2483.5MHz.

Power density (S) is calculated by the following formula:
$S = (P * G)/4\pi R^2$
E.I.R.P=P*G
Where, S = Power density (mW/cm^2)
P = Output power to antenna (mW)
R = Distance between radiating structure and observation point (cm)
G = Gain of antenna in numeric
$\pi = 3.14$

802.11.b

Channel	Channel Frequency (MHz)	Maximum antenna gain (dBi)	Maximum antenna gain (numeric)	E.I.R.P (mW)	Power density (W/m2)	Limit of power density (W/m^2)
1	2413.29	0	1	6.50	0.013	10
7	2443.32	0	1	6.62	0.013	10
13	2472.62	0	1	6.35	0.013	10

802.11.g

Channel	Channel Frequency (MHz)	Maximum antenna gain (dBi)	Maximum antenna gain (numeric)	E.I.R.P (mW)	Power density (W/m2)	Limit of power density (W/m2)
1	2418.36	0	1	6.30	0.013	10
7	2445.50	0	1	5.70	0.011	10
13	2478.31	0	1	5.43	0.011	10

802.11.n-HT20

Channel	Channel Frequency (MHz)	Maximum antenna gain (dBi)	Maximum antenna gain (numeric)	E.I.R.P (mW)	Power density (W/m2)	Limit of power density (W/m2)
1	2414.20	0	1	4.99	0.010	10
7	2448.27	0	1	4.86	0.010	10
13	2475.49	0	1	4.76	0.009	10

802.11.n-HT40

Channel	Channel Frequency (MHz)	Maximum antenna gain (dBi)	Maximum antenna gain (numeric)	E.I.R.P (mW)	Power density (W/m2)	Limit of power density (W/m2)
3	2415.69	0	1	4.92	0.010	10
7	2435.69	0	1	4.63	0.009	10
11	2459.53	0	1	4.49	0.009	10

The Notice in Installation Manual should state as below:
The user must maintain a minimum distance of 20 cm from the device at all time.

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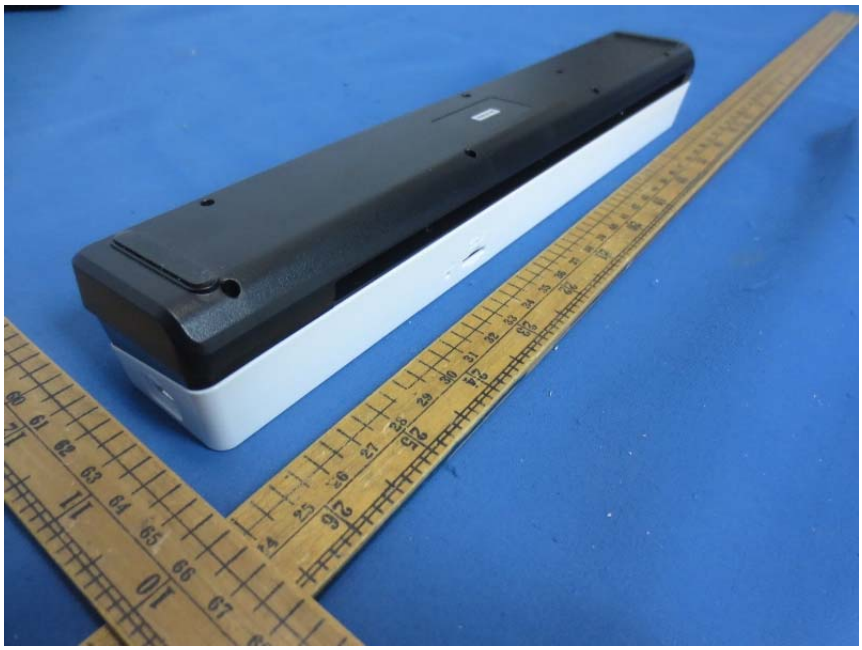
APPENDIX: Number : 161228033SZN-003

EUT Photo:



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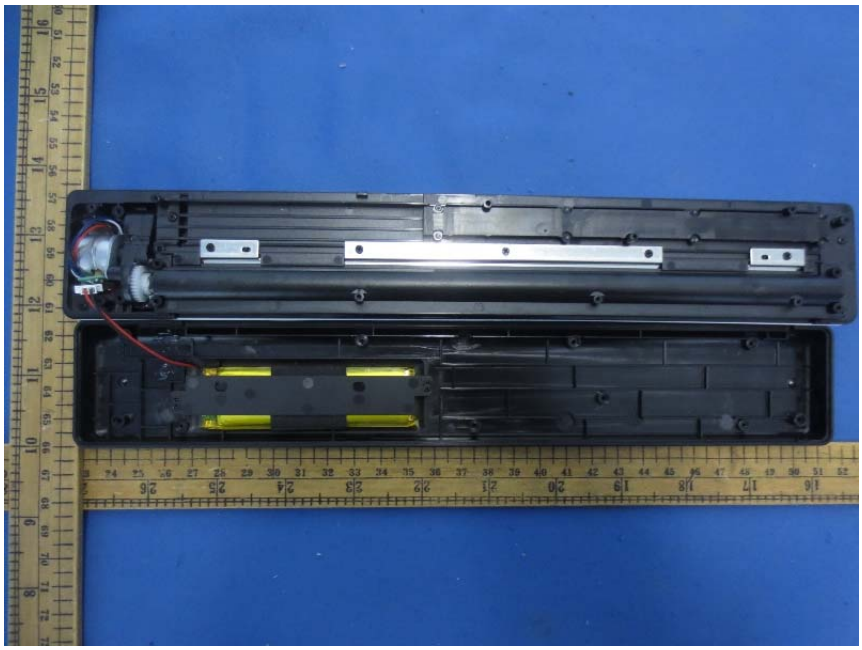

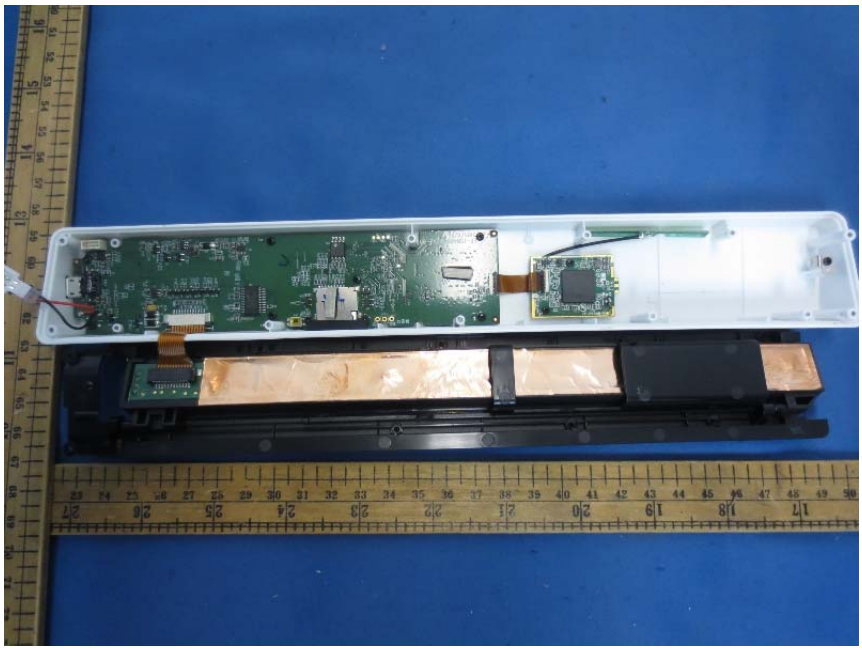

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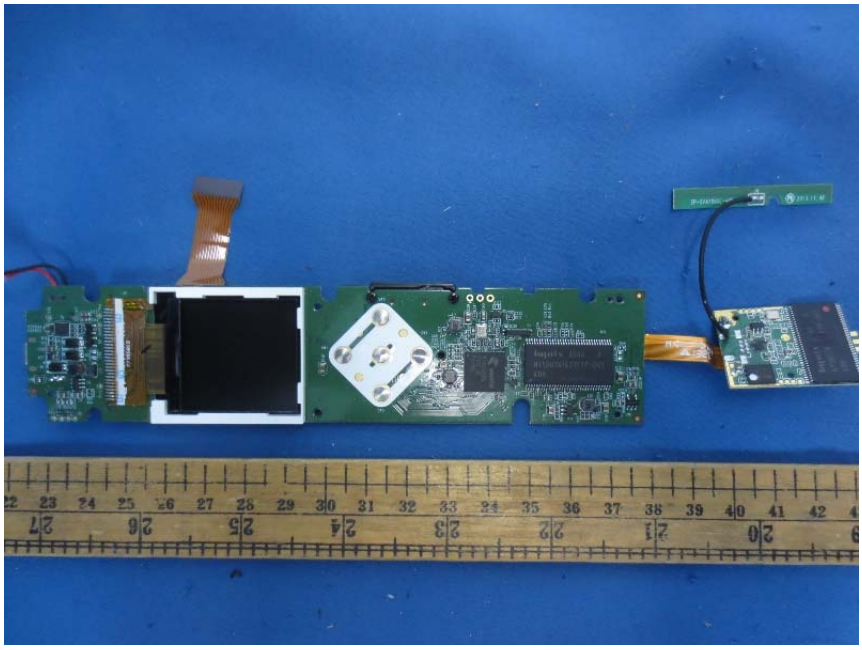

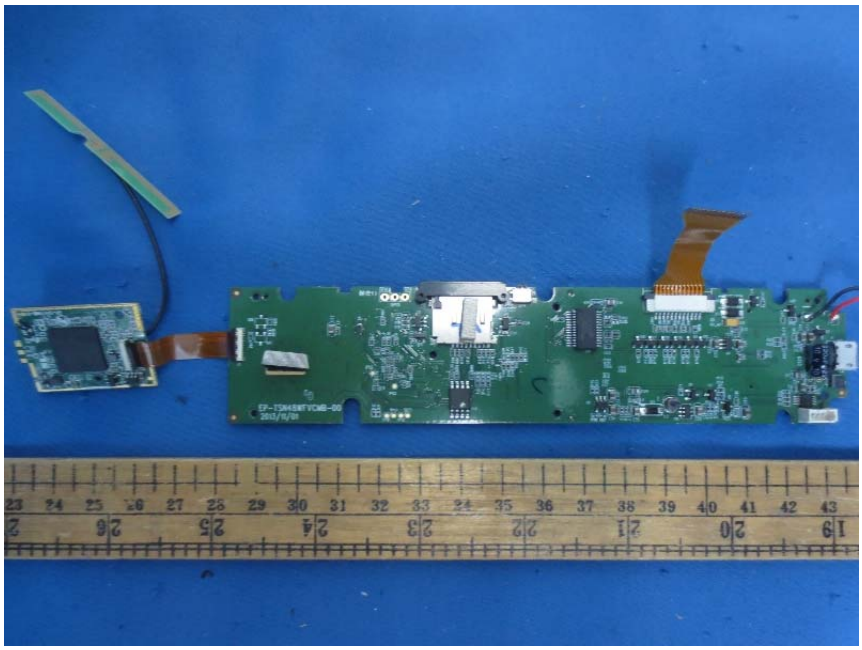

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