

RF Exposure evaluation report

Applicant:	Filisia Interfaces
Address of Applicant:	71-75 Shelton Street, London, WC2H 9JQ, UK
Manufacturer:	Filisia Interfaces
Address of Manufacturer:	71-75 Shelton Street, London, WC2H 9JQ, UK
Product name:	Electronic Accessibility Device
Model:	COSMO V2
Rating(s):	DC 3.7V, 850mAh Battery
Trademark:	/
Standards:	47 CFR Part 1.1310 (2013) 47 CFR Part 2.1091 (2013) KDB447498D01 General RF Exposure Guidance v06
FCC ID:	2AT90-COSMO2
Date of Receipt:	2019-07-12
Date of Test:	2019-07-12~2019-08-07
Date of Issue:	2019-08-08
Test Result	Pass*

* In the configuration tested, the test item complied with the standards specified above.

Authorized for issue by:

Test by:

Reviewed by:

Aug.08, 2019 Eleven Liang

Project Engineer



Aug.08, 2019

Pauler Li

Project Manager




Date

Name/Position

Signature

Date

Name/Position

Signature

Possible test case verdicts:

test case does not apply to the test object ...: N/A

test object does meet the requirement: P (Pass)

test object does not meet the requirement ...: F (Fail)

Testing Laboratory information:

Testing Laboratory Name: ITL Co., Ltd

Address.....: No. 8 Jinqianling Street 5, Huangjiang Town, Dongguan,
Guangdong, 523757 P.R.C.

Testing location : Same as above

Tel : 0086-769-39001678

Fax : 0086-20-62824387

E-mail : itl@i-testlab.com

General remarks:

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

General product information:

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2 General Information

2.1 Client Information

Applicant: Filisia Interfaces
 Address of Applicant: 71–75 Shelton Street, London, WC2H 9JQ, UK

2.2 General Description of E.U.T.

Name: Electronic Accessibility Device
 Model No.: COSMO V2
 Trade Mark: /
 Operating Frequency: 2402 MHz to 2480 MHz for bluetooth
 40 channels with 2MHz step

Channels:

channel	Frequency	channel	Frequency	channel	Frequency	channel	Frequency
1	2402	11	2422	21	2442	31	2462
2	2404	12	2424	22	2444	32	2464
3	2406	13	2426	23	2446	33	2466
4	2408	14	2428	24	2448	34	2468
5	2410	15	2430	25	2450	35	2470
6	2412	16	2432	26	2452	36	2472
7	2414	17	2434	27	2454	37	2474
8	2416	18	2436	28	2456	38	2476
9	2418	19	2438	29	2458	39	2478
10	2420	20	2440	30	2460	40	2480

Type of Modulation: GFSK
 Antenna Reference: Chip Antenna with 1.3dBi peak Gain
 Function: Electronic Accessibility Device

2.3 Details of E.U.T.

EUT Power Supply: DC 3.7V (Battery)
 Test mode: T The program used to control the EUT for staying in continuous transmitting and receiving mode is programmed. Channel lowest (2402MHz), middle (2440MHz) and highest (2480MHz) are chosen for full testing.

2.4 Description of Support Units

The EUT has been tested as an independent unit for fixed frequency by testing lab.

2.5 Test Location

All tests were performed at:

ITL Co., Ltd

No. 8 Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, 523757 P.R.C.

0086-769-39001678

itl@i-testlab.com

No tests were sub-contracted.

2.6 Deviation from Standards

Biconical and log periodic antennas were used instead of dipole antennas.

2.7 Abnormalities from Standard Conditions

None.

2.8 Other Information Requested by the Customer

None.

2.9 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS Lab code:L9342**
- **FCC Designation No.:CN5035**
- **IC Registration NO.: 12593A**
- **NVLAP LAB CODE: 600199-0**

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310
Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure

3.1.2 EUT RF Exposure

The Max Output Power is -2.14dBm in channel (2440MHz);

Antenna gain: 1.3dBi

R=20cm

$$S = PG/4\pi R^2 < 1 \text{ (limits)}$$