



Innovation, Science and Economic Development Canada

Unsafe Canadian cell phones: the list finally released!

 Equipe Phonegate  29 Mar 2022  News  Press release

 **682**
SHARES



It took two years before Innovation, Science and Economic Development Canada (ISED) sent our local contact, Sharon Noble, the list of Specific Absorption Rate (SAR) levels of unsafe cell phones tested between 2016 and 2021 in Canada.

This is a new victory for [Phonegate Alert](#), our international NGO, as well as for **Dr. Marc Arazi** who revealed the scandal in 2016. Our deepest thanks go to **Sharon Noble**, whose tenacity finally made it possible to communicate this important data.

Transmission of the list of 90 smartphones controlled by the Canadian authorities


Sharon's work was made possible through the « Access to Information Act (The Act) ». In an [email dated March 25, 2022](#), the [ISED](#) finally sent her a [list of ninety tested smartphones](#). This number of 90 represents an annual average of about 20 tests – by comparison, France tests an average of 70 per year (i.e., barely 15% of the cell phones put on the French market!).

A large part of the cell phones tested in Canada came from manufacturers, the others were taken from the shelves of stores. Although many of the best-known brands were tested, only two smartphones from **Apple** were included, which, given the brand's leading position in the North American market, seems to us to be insufficient.

Year	Manufacturer	Model	IC	Max SAR	Limit	Averaging Mass	Assessment Type	Sample Source	Compliant	Non-compliance resolution steps
2015/2016	Huawei Technologies Co., Ltd.	Y330-U05	6369A-Y330U05	Head: 0.667 W/kg Body: 1.202 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2015/2016	HTC Corporation	OP1A110	4115A-OP1A110	Head: 0.636 W/kg Body: 1.281 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2015/2016	Acer Incorporated	5510	1754F-EM5510	Head: 0.922 W/kg Body: 0.747 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2015/2016	CT Asia	Neo 4.5	11492A-NEO45	Head: 0.795 W/kg Body: 1.528 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2015/2016	Motorola Mobility LLC	XT1563	1090-T56U82	Head: 0.775 W/kg Body: 1.599 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2015/2016	ZTE Corporation	Z850	5200E-Z850	Head: 0.705 W/kg Body: 1.553 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2016/2017	Bullitt Mobile	S40	11151A-S40	Head: 0.953 W/kg Body: 1.091 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Huawei Technologies Co., Ltd.	H1511	6369A-H1511	Head: 0.839 W/kg Body: 1.537 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Sony Mobile Communications Inc.	E6653	4170B-PM0900	Head: 0.575 W/kg Body: 0.673 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Kyocera Communications, Inc.	E4710C	3572A-E4710	Head: 0.847 W/kg Body: 0.705 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Hi-P Electronics Pte Ltd	H450R	20303-H450R	Head: 0.943 W/kg Body: 0.631 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2016/2017	OnePlus Technology (Shenzhen) Co., Ltd.	ONEPLUS A3000	12739A-A3000	Head: 0.977 W/kg Body: 0.745 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Bullitt Mobile	S60	11151A-S60	Head: 0.984 W/kg Body: 0.66 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2016/2017	Acer Incorporated	Z410	1754F-DMZ410	Head: 0.92 W/kg Body: 1.28 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2016/2017	Jethro Trading LTD.	SC628	11350A-SC628	Head: 1.364 W/kg Body: 1.130 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2016/2017	LG ELECTRONICS INC.	LG-K210	2703C-K210	Head: 0.771 W/kg Body: 1.348 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2017/2018	ZTE Corporation	Z828	5200E-Z828	Head: 0.615 W/kg Body: 1.126 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2017/2018	HTC Corporation	G-2PW2100	4115A-G2PW2100	Head: 0.744 W/kg Body: 1.146 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2017/2018	Samsung Electronics Co. Ltd	SM-A520W	649E-SMA520W	Head: 0.206 W/kg Body: 1.338 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	BLU Products, Inc.	R1 Plus	11492A-R1PLUS	Head: 0.970 W/kg Body: 1.452 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	Mobiwire Mobile	A400	20165-A400	Head: 0.467 W/kg Body: 0.664 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	ASUSTek COMPUTER INC.	ASUS_201BDC	3568A-201BDC	Head: 0.45 W/kg Body: 1.21 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	Signifi Mobile	U620	10600A-U620	Head: 0.54 W/kg Body: 1.536 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2017/2018	Huawei Technologies Co., Ltd.	VTR-L09	6369A-VTRL09	Head: 0.258 W/kg Body: 1.310 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	TCL Communication Ltd	6055A	9238A-0063	Head: 0.57 W/kg Body: 0.84 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Manufacturer	Yes	
2017/2018	Telecell Mobile (H.K) Co. Ltd.	F40G	22079-F40G	Head: 0.619 W/kg Body: 0.856 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	SAMSUNG ELECTRONICS CO. LTD.	SM-G390W	649E-SMG390W	Head: 0.455 W/kg Body: 0.638 W/kg	Head: 1.6 W/kg Body: 1.6 W/kg	Head: 1g Body: 1g	SAR	Off the shelf	Yes	
2017/2018	SONY MOBILE COMMUNICATIONS Inc.	F8132	N/A							

GOOGLE smartphones particularly unsafe

Of the ninety cell phones, **eight of them**, or nearly ten percent of the total, showed a non-compliant SAR above the regulatory level set by the **Federal Communications Commission (FCC)**. The head SAR for 1g of tissue must not exceed 1.6 W/kg, the same limit for the SAR trunk; for the SAR limb for 10 gr, the limit is 4W/kg.

 CANADA: List and details of measurements conducted on mobile phones with non-compliant SAR					
Year	Manufacturer	Model	IC	MAX SAR head and body measured	Sample source
2017/2018	BLU Products, Inc	GRAND MAX	11492A GRANDMAX	Head: 0.373 W/kg Body: 2.6 W/kg	Off-the-shelf
2017/2018	BLU Products, Inc	STUDIO G2 HD	11492A STG 2HD	Head: 0.477 W/kg Body: 2.33 W/kg	Off-the-shelf
2017/2018	Sky Phone	Platinum 4.0	20031-SKYPLAT 40	Head: 0.892 W/kg Body: 2.68 W/kg	Off-the-shelf

These limits are known, yet the results of two smartphones manufactured by **Google LLC** are particularly disturbing as the controls performed in 2019/2020 show **head SARs of 5.27 W/kg (Google Pixel 3a (2019) 64 GB) and 4.02 W/kg (Google Pixel 3a XL (G020C)) for 1gr** respectively. These are some of the highest levels we have found since we obliged the **French National Frequency Agency (ANFR)** to publish over [750 test reports](#). The trunk SARs are also above the regulatory levels (2.89 W/kg and 1.82 W/kg).

The **ISED** says a software update has been requested from **Google LLC** to allow a return to compliance levels, but without further details on the new SAR levels.

The manufacturers Xiaomi and Razer already pinned in France

For the Chinese manufacturer **Xiaomi**, the **Redmi Note 7** smartphone was pinned in 2019/2020 for exceeding the SAR trunk (2.33W/kg). The **ISED** has therefore decided not to allow the marketing of this device in Canada, extending the ban to various distributors. It should be noted in passing that the smartphone **Redmi Note 5** has been controlled for exceeding the SAR by ANFR, without having been withdrawn from the French market.

Finally, the control in 2020/2021 of the **Razer Phone 2** of the Californian manufacturer **Razer** has also shown particularly high SAR levels (trunk 4.35 W/kg, limbs 5.41W/kg). The **ISED** has requested a software update but to date there is no information on its progress. The **Razer Phone 2** was withdrawn in **France** and **Denmark**.

Health Canada is wrong about the safety factor

The **ISED** indicates that it has questioned **Health Canada** about these SAR exceedances. The latter would consider that the levels of SAR found would not affect the health of users. To reach this conclusion, the health agency continues to assume that there is a safety factor of 50 around the local SAR. This is **completely false and a lie of State(s)** as we now know!

In fact, this is what makes our Canadian contact, **Sharon Noble**, react:

« After the revelations of the SAR excesses by Phonegate Alert NGO in France in 2017, followed by those independent tests carried out in 2019 by the reporter Sam Roe for the Chicago Tribune on the best-selling cell phones in the USA, here is finally the communication by the ISED of the list of unsafe smartphones controlled in Canada. This is a step forward for more transparency. However,

we now must put an end to a 30-year-old false assurances given by governments and telecoms that exposure levels below ICNIRP's safety factor of up to 100 W/kg are safe.»

For Dr. Marc Arazi, who is at the origin of the revelations of the “Phonegate” scandal :

« The culture of secrecy that surrounds the SAR controls of cell phones speaks volumes about the economic, political and industrial stakes, which clearly take priority over public health issues. The most serious aspect of this case is that Canadian users of these non-compliant and unsafe cell phones have never been informed. It is high time they were! »

On the same subject :

List of mobile phones with non-compliant SARs removed or updated in France



1422sharesFacebook1410Twitter12LinkedInTo date, 30 different models of mobile phones with non compliant SARs have been either withdrawn from the French market or have had their Specific Absorption Rate (SAR) updated by software. Exceeding SAR for the XIAOMI REDMI NOTE 9 PRO New excess of SAR found during a control conducted by the National Agency ... Continue reading



Phonegate Alert