	Risk Assessment							
Equipment：	Smart Band							
Manufacturer:	Xiaomi Communications Co., Ltd.							
Product Model：	M2459B1							
Date：	2025/1/9							
Article	**Scope**	**Risk Item**	**Risk Description**	***Risk Level**	**** Risk Probability Level**	***** Risk Impact Level**	**Applicable standard**	**Risk Solution**
3.1(a)	Health & Safety	Electric shock	No electric shock	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	1. Keep the device away from rain or moisture. Clean the device only with a clean and dry cloth.
		Energy related hazards	No energy related hazards	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	
		Fire	No Fire	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	1. Do not use and leave the product near a heat source as fire or heater.
		Heat related hazards	No heat related hazards	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	1. Do not use and leave the product near a heat source as fire or heater. 2. Do not cover the device or block the airflow to the device.
		Mechanical hazards	No mechanical hazards	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	
		Chemical hazards	No chemical hazards	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	
		Operating Temperature	The product definition operating temperature is from 0 ℃ to 40℃. Once over the temperature range, the product might affect the function.	R1	1	I	IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	1. Do not use and leave the product in a place with extreme high or low temerature. The product might not function and might lead to a fire or an explosion.
		Antenna Signal Radiated Measurements	This wireless communication antennas all pass the RF exposure testing.The value was measured by qualified equipments. Any abnormal operating method might impact on the antenna performance.	R1	1	I	EN 62209-2: 2010+A1:2019 EN 62479: 2010 EN 50663: 2017 EN IEC/IEEE 62209-1528:2021 IEC 62368-1: 2018 EN IEC 62368-1: 2020+A11: 2020	1. The device has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards. 2. User manual contains RF exposure warning statement for the device. 3. (SAR) Carry this device at least 5 mm away from a human body to ensure exposure levels remain at or below the as-tested levels. 4. (EN62479) The device passes the low power exclusion criteria and thus complies with EMF basic restrictions.
3.1(b)	EMC	EMI	We suggest the product should use accessories accompanying the product inbox. If this product is used with other accessories, it might be impacted by other electronic devices. And this might let the product work abnormally.	R1	1	I	ETSI EN 301 489-1 V2.2.3(2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09) EN 55032:2015+A1:2020 EN IEC 61000-3-2: 2019+A2:2024 EN 61000-3-3: 2013+A2 :2021	1. The device passes EMC testing.
		EMS	We suggest the product should use accessories accompanying the product inbox. If this product is used with other accessories, it might be impacted by other electronic devices. And this might let the product work abnormally.	R1	1	I	ETSI EN 301 489-1 V2.2.3(2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09) EN 55035:2017+A11:2020	1. The device passes EMC testing.
		Radiation	Bluetooth	R1	1	I	ETSI EN 301 489-1 V2.2.3(2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09) EN 55032:2015+A1:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2: 2019+A2:2024 EN 61000-3-3: 2013+A2 :2021	1. The device passes EMC testing.
3.2	RF	Conducted Power	The wireless conducted powers all follow related RF standards. Once the voltage or temperature is too low or high, or any abnormal operating method, it might let the wireless conducted power become unstable, and might impact the performance.	R1	1	I	ETSI EN 300 328 V2.2.2 (2019-07)	1. The device passes RF testing 2. Max power transmitted for each band is included in user manual.
		Radiated Spurious Emission	The wireless conducted powers all follow related RF standards. Once the voltage or temperature is too low or high, or any abnormal operating method, it might let the wireless conducted power become unstable, and might impact the performance.	R1	1	I	ETSI EN 300 328 V2.2.2 (2019-07)	1. The device passes RF testing 2. Use the supplied accessories only. Do not use the product or accessories if they are not working properly or have been damaged, cracked, or dropped. 3. If the device malfunctions or fails to perform as expected, stop using it immediately.

		Short Range Wireless Communication	The short range wireless communication function is controlled via software or firmware to satisfy the standard which is related to the data transfer security. If software or firmware is modified or changed without correct process, it might make the data transfer security work abnormally.	R1	1	I	ETSI EN 300 328 V2.2.2 (2019-07)	1. The device passes RF testing.
3.3	a	radio equipment interworks with accessories, in particular with common chargers		N/A	N/A	N/A	N/A	N/A
	b	radio equipment interworks via networks with other radio equipment		N/A	N/A	N/A	N/A	N/A
	c	radio equipment can be connected to interfaces of the appropriate type throughout the Union		N/A	N/A	N/A	N/A	N/A
	d	radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service		N/A	N/A	N/A	N/A	N/A
	e	radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected		N/A	N/A	N/A	N/A	N/A
	f	radio equipment supports certain features ensuring protection from fraud		N/A	N/A	N/A	N/A	N/A
	g	radio equipment supports certain features ensuring access to emergency services		N/A	N/A	N/A	N/A	N/A
	h	radio equipment supports certain features in order to facilitate its use by users with a disability		N/A	N/A	N/A	N/A	N/A
	i	radio equipment supports certain features in order to ensure that software can only be loaded into the radio equipment where the compliance of the combination of the radio equipment and software has been demonstrated		N/A	N/A	N/A	N/A	The RF parameters are embedded at the time of production in the factory and users has no access to modify the RF parameters or DFS features.
Other	Other	Unknown Risk	The product has been tested with safety / RF / EMC / RF exposure standards. The product was tested by qualified laboratory and obtained the pass report. However, any abnormal operating method or condition might also make the product stop working or function error.	R1	1	I		1. Use the product for its intended purposes only. 2. Danger of explosion if battery is incorrectly replaced.

* Note: Risk Level has five categories; it is R1 / R2 / R3 / R4 / R5 from low to high risk.
** Note: Risk Probability Level has ten categories; it is 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 from low to high probability.
*** Note: Risk Impact Level has ten categories; it is I / II / III / IV / V / VI / VII / VIII / IX / X from low to high impact.

Above assessment has been confirmed by our company and we guarantee that it conforms to the actual condition of the device. Points for attention have been shown in the user guide to warn the end-users.

Signature: Zeng Qing yao

Contact Person: Zengqingyao
Applicant: Xiaomi Communications Co., Ltd.
Tel: +010-60606666-8088
E-Mail: mi-compliance@xiaomi.com