

RF Exposure Evaluation declaration

Product Name : HYBRID INSTANT CAMERA
Model No. : INSTAX MINI HM1
FCC ID : W2Z-03000006

Applicant : FUJIFILM CORPORATION

Address : 7-3,Akasaka 9-chome,Minato-ku,Tokyo 107-0052,Japan

Date of Receipt : Feb. 11, 2019
Date of Declaration : Mar. 06, 2019
Report No. : 1920024R-SAUSP03V00
Report Version : V0.2-Draft



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Issued Date: Mar. 06, 2019

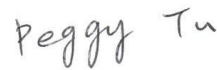
Report No.: 1920024R-SAUSP03V00



Product Name	HYBRID INSTANT CAMERA
Applicant	FUJIFILM CORPORATION
Address	7-3,Akasaka 9-chome,Minato-ku,Tokyo 107-0052,Japan
Manufacturer	ABILITY ENTERPRISE CO., LTD.
Model No.	INSTAX MINI HM1
FCC ID.	W2Z-03000006
Trade Name	FUJIFILM
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By

:



(Adm. Assistant / Peggy Tu)

Tested By

:



(Senior Engineer / Vorana Chen)

Approved By

:



(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	HYBRID INSTANT CAMERA
Model No.	INSTAX MINI HM1
Trade Name	FUJIFILM
FCC ID	W2Z-03000006
Frequency Range	2402-2480MHz
Number of Channels	V2.1+EDR:79, V4.2:40
Data Speed	BT: 3Mbps, BLE: 1Mbps
Type of Modulation	V2.1+EDR: GFSK(1Mbps) / π /4DQPSK(2Mbps) / 8DPSK(3Mbps) V4.2: GFSK(1Mbps)
Antenna Type	Print on PCB Antenna
Channel Control	Auto
Antenna Gain	Refer to the table "Antenna List"

1.2. Antenna List :

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Ability	N/A	Print on PCB Antenna	1.5dBi for 2.4GHz

1.3. Conducted Power Measurement (Including tolerance allowed for production unit):

Bluetooth mode maximum output power	Standard	Mode	BW	SISO-Main(TX1)				SISO-Aux(TX2)			
				CH	PK Power	AV Target	AV Power	CH	PK Power	AV Target	AV Power
				15.247 (2.4GHz)	Normal	GFSK	0	6.48	6	5.19	0
39	7.31	6	5.91				39	N/A	N/A	N/A	
78	7.27	6	5.92				78	N/A	N/A	N/A	
EDR	8DPSK	0	8.13		6	4.45	0	N/A	N/A	N/A	
		39	8.73		6	5.17	39	N/A	N/A	N/A	
		78	8.69		6	5.18	78	N/A	N/A	N/A	
BLE	GFSK	0	6.71		7.5	6.20	0	N/A	N/A	N/A	
		19	7.46		7.5	7.00	19	N/A	N/A	N/A	
		39	7.54		7.5	7.10	39	N/A	N/A	N/A	

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 ($\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

- 1.) Operation frequency = 2480MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum AV output power Peak Gain: 1.5dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	Target (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2480	7.5	9	7.94	10	2.502

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted maximum peak output power is refer to report No.: 1920024R-SACAP01V00 from the DEKRA.