



RF Exposure Report

(Part 0: SAR Char Evaluation)

FCC ID : 2ATQRCA
Equipment : Controller
Brand Name : Skydio
Model Name : CA110
Applicant : Skydio, Inc
3000 Clearview Way San Mateo CA 94402
Standard : FCC 47 CFR Part 2 (2.1093)

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Approved by: Cona Huang / Deputy Manager

Sporton International Inc. EMC & Wireless Communications Laboratory
No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan



Table of Contents

1. Introduction 3

History of this test report

Report No.	Version	Description	Issued Date
FA572512A	01	Initial issue of report	May. 27, 2026
FA572512A	02	Update section 1	Jul. 30, 2026



1. Introduction

The RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with RF exposure limit over a defined time window. To control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement.

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device State Index DSI).

<Terminologies in this report>

Plimit	The time-averaged RF power which corresponds to SAR_design_target.
Pmax	Maximum target power level
SAR_design_target:	The design target for SAR compliance. It should be less than regulatory power density limit to account for all device design related uncertainties.
SAR char	Plimit for all the technologies/bands for all applicable DSI

<SAR Characterization>

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

<SAR design target>

To account for total uncertainty, SAR_design_target should be determined as:

$$SAR_{design_target} < SAR_{regulatory_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>
General Note:

1. P_{max} is used for RF tune up procedure. The maximum allowed output power is equal to P_{max} + device uncertainty.
2. All P_{limit} power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., GSM& LTE TDD & NR TDD).
3. The max allowed output power is the P_{limit} + device uncertainty, and if P_{limit} is higher than P_{max}, the device output power will be P_{max} instead.

Band	Antenna	Duty cycle(%)	P _{limit} (Time average power)	P _{max} (Time average power)	1g SAR Design Target (W/kg)	Power tolerance
LTE B2/25	0	100.00%	22.0	23	0.95	1.0
LTE B66/4	0	100.00%	22.0	23	0.95	1.0
LTE B12	0	100.00%	23.0	23	0.95	1.0
LTE B13	0	100.00%	23.0	23	0.95	1.0
LTE B14	0	100.00%	23.0	23	0.95	1.0
LTE B26	0	100.00%	23.0	23	0.95	1.0
LTE B30	0	100.00%	19.0	22	0.95	1.0
LTE B41/38(PC3)	0	63.30%	21.9	20.5	0.95	1.0
LTE B41 (PC2)	0	43.30%		21.9	0.95	1.0
LTE B48	3	63.30%	15.0	20.5	0.95	1.0
LTE B71	0	100.00%	23.0	23.0	0.95	1.0
n5	0	100.00%	23.5	23.5	0.95	1.0
n25/2	0	100.00%	23.5	23.5	0.95	1.0
n66	0	100.00%	23.5	23.5	0.95	1.0
n71	0	100.00%	23.5	23.5	0.95	1.0
n41/n38(PC3)	0	100.00%	19	19	0.95	1.0
n41/n38(PC2)	0	50.00%		19	0.95	1.0
n41/n38(PC3)	2	100.00%	22.0	22.0	0.95	1.0
n41/n38(PC2)	2	50.00%		22.0	0.95	1.0
n48	1	100.00%	13.5	18.5	0.95	1.0
n48	3	100.00%	13.5	21.5	0.95	1.0
n77 (PC3)	1	100.00%	14.5	23.5	0.95	1.0
n77 (PC2)	1	50.00%		23.5	0.95	1.0
n77 (PC3)	3	100.00%	14.5	23.5	0.95	1.0
n77 (PC2)	3	50.00%		23.5	0.95	1.0