

Apparatus: NUCLEO-WL55JC1
RF Exposure Considerations for FCC ID: YCP-MB1389000

The calculation of the MPE is as following:

Prediction of MPE limit at a prediction distance:

$$S = \frac{P.G}{4.\pi.R^2} = \frac{E.I.R.P}{4.\pi.R^2}$$

S: Power density (mW/cm²)

P: Peak output power at antenna terminal (mW)

G: Numerical Antenna gain (GidB = 2.0dBi)

R: Distance of radiation to antenna (cm)

MPE

F = 902.5 / 925.0MHz

E.I.R.P = 199.5mW (21dBm + 2.0dBi)

R = 20cm

S=0.04mW/cm²

MPE limit for uncontrolled exposure: 0.6mW/cm²

→ Below MPE limit

Note: RF output power is taken as rated power including tune-up tolerances.

Conclusion: Therefore the device complies with FCC's RF radiation exposure limits for general population for a mobile device.

Certified By

Laurent CHAPUS (Agent for this device)

SMEE

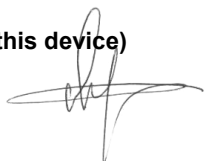
Rue de Taille

ZI des Blanchisseries

38500 Voiron - France

laurent.chapus@smeefr

FCC Registration Number: 0020356952 (FRN)



Applicant for this device:

STMicroelectronics SAS

190 Avenue Celestin Coq

13106 ROUSSET – France

Mr. Joel Huloux

Director Lobbying and Standardization

FRN: 0019756717

COORDONNEES

SMEE

Rue de Taille – ZI Des Blanchisseries

38500 VOIRON - France

TEL : 04 76 65 76 50

FAX : 04 76 66 18 30

SAS au capital de 50 000 € / RC Grenoble B534 796 453 / SIRET 534 796 453 00015 / code APE 7490B / n° TVA : FR 59 534 796 453