



Exhibit: RF Exposure – FCC

FCC ID: AS57705SARHMC-2
Contain FCC ID:2AU8H-MG401

RF Exposure - FCC

The EUT transmits in several bands as depicted in the table below.

Table 1. Worst-Case Scenario of Maximum Power Output – dBm/10MHz

Radio Type	Band	47 CFR Rule Part	Frequency (MHz)	Max Power (dBm)	Max Power (mW)
LTE	48	96	3560.0	16.87	48.64
			3557.5	18.03	63.53
			3695.0	20.42	110.2
			3697.5	19.38	86.70

Radiofrequency Radiation Exposure Evaluation: Mobile Devices

Mobile devices shall be evaluated for RF radiation exposure according to the provisions of [FCC §2.1091 \(d\) \(2\)](#) (with Amendment 85 [FR18146](#), April 1, 2020) and the MPE guidelines identified in [FCC §1.1310](#).

As per FCC §1.1310 Table 1(B), the limit for Maximum Permissible Exposure (MPE) to radiofrequency electromagnetic fields for General Population/Uncontrolled Exposure in the frequency range of:

✓ 1.5GHz to 100GHz is 1.0 mW/cm².

The power density can be calculate using the formula:

$$P_d = (P_{out} * G) / (4 * \pi * R^2)$$

where,

f = frequency in MHz

P_d = Power density in mW/cm²

P_{out} = Conducted output power to antenna in mW

G = Numeric Antenna Gain

Pi = 3.1416

R1 = 20 cm

G = 7.2dBi

MPE Calculation:

For user general use at 20 cm distance, the maximum conducted output power of 18.32dBm, the EUT complies with limits of General Population/Uncontrolled Exposure according to Table 2.

Table 2. Uncontrolled Exposure at 20cm distance and 2dBm Power Output

Type	Lower (MHz)	Upper (MHz)	Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Calculated (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
LTE	3560	3670	20.42	7.0	27.42	552.1	0.110	1.00 <Note 1>	Pass
WLAN2.4GHz Band	2412	-	23 <Note 2>	5.0 <Note 2>	28	630.96	0.126	1.00 <Note 1>	Pass
WLAN5GHz Band	5180	-	23 <Note 2>	5.0 <Note 2>	28	630.96	0.126	1.00 <Note 1>	Pass
Bluetooth	2401	-	23 <Note 2>	5.0 <Note 2>	28	100.00	0.020	1.00 <Note 1>	Pass
Note 1. Limit according to the General Uncontrolled Exposure: Table 1 Clause 1.1310(e)(2) Note 2. Page 9 in RF Exposure Evaluation Report (2AU8H-MG401)									

The EUT meets the requirements