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## RF EXPOSURE CALCULATIONS

## **Requirement:**

According to USA CFR 15 §1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. For Canada, RSS-102 sets out the requirements and measurement techniques used to evaluate radio frequency (RF) exposure compliance of radiocommunication apparatus designed to be used within the vicinity of the human body.

## **Maximum Permissible Exposure Calculations:**

USA REF: 2.1091/1093, 447498 D01 General RF Exposure Guidance v06 IC REF: RSS-102 Issue 5 Min. Sep. Distance: <5mm

l est Date:	20-Jui-21		
Test Engineer:	J. Brunett	EUT Mode:	Worst Case
EUT:	S2NA1	Meas. Distance:	Cond

10-g SAR Power Threshold Exclusion Limit (Avg)
7.5
7.5
7.5
Pass/Fail
Pass

<sup>\*</sup>As Measured / Computed from highest fundamental emission, see fundamental emission section of this
\*\*Only RMS level is required, RMS/6min << Pk, Peak emission employed to demonstrate compliance.
Worst Case Ratio = SAR Threshold / 1-g SAR Threshold Exclusion

Total Accumulated Ratio = UHF Worst Case Ratio + BLE Worst Case Ratio

## **Summary:**

The EUT with all transmitters is compliant with both the FCC power density limit and the ISED Exposure Evaluation limits.