ISED approved TAS algorithms list

Supplementary Procedure SPR-004 (Time-Averaged Specific Absorption Rate (TAS) Assessment Procedures for Wireless Devices Operating in the 4 MHz – 6 GHz Frequency Band) sets out the general test methods to be followed when carrying out an RF exposure compliance assessment of wireless devices implementing device-based time averaging methods for the management and/or mitigation of Specific Absorption Rate (SAR) in the 4 MHz – 6 GHz frequency band. Only ISED-approved TAS algorithms, listed below, can be implemented into wireless devices, including RF modules, for the purpose of equipment certification. This list will be updated on an ongoing basis, as new TAS algorithms are approved by ISED.

Wireless Network	Manufacturer	Algorithm Name	Approval Date
Wireless Wide Area Network (WWAN)	Semtech Corporation	PerSe™ time-Averaged Proximity Sensor (TA-PS)	September 2022
	Mediatek Inc.	Time Average SAR (TA-SAR) algorithm	September 2022
	Qualcomm	Smart Transmit GEN2	June 2021
	Samsung S.LSI	Time Average SAR (TAS) algorithm	April 2021
	Intel	Time Average SAR (TAS) algorithm	September 2020
	Qualcomm	Smart Transmit	January 2020
Wireless Local Area Network (WLAN)	Semtech Corporation	PerSe™ time-Averaged Proximity Sensor (TA-PS)	September 2022
	Intel	Time Average SAR (TAS) algorithm / Dynamic Power Control and SAR Averaging (DPCSA)	March 2021
	Apple/Broadcom	WLAN DSA -Dynamic SAR Averaging (DSA)	September 2020

TAS algorithm approval is a lengthy process which takes **several weeks and in some cases months**, especially, when a physical evaluation is warranted. Applicants and other responsible parties (e.g. manufacturers, product integrators, recognized test laboratories/certification bodies) should consult Notice 2020-DRS0007 and contact ISED as early as possible.