Willow Run (WR) Test Labs, Inc.
7117 Fieldcrest Drive
Brighton, MI 48116
Phone: (734) 252-9785, Fax (734) 926-9785
e-mail: info@wrtest.com

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.

USA REF: 1.1310, 2.1091/1093, 447498 D01 General RF Exposure Guidance v06
IC REF: RSS-102 Issue 5, Safety Code 6
Min. Sep. Distance: 10 mm

Test Date: 13-Jul-23
Test Engineer: J. Nantz
EUT: Vitesco SLA
EUT Mode: Active
Meas. Distance: 3m

R0		Frequency Band		Po (Pk)		EIRP + Duty (RMS)		Canada ISED RSS-102 MPE		USA FCC 1.1310 MPE		
		Start	Stop					EIRP Limit Table 1	MPE Ratio	SAR Threshold	Minimum 1g SAR Threshold Limit	MPE Ratio
	Mode	MHz	MHz	dBm	mW	dBm	mW	mW				
R1	DTS	2405.00	2480.00	5.8	4	8.4	7	7.0	0.99	0.620	3	0.21
#	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12

(ROW)	(COLUMN)	NOTE:
R1	C10	SAR Threshold = 4 mW / 10mm * sqrt(2.405 GHz) = 0.62
R1	All	TUNE UP – The manufacturer declares the product employs a fixed power setting without tune-up.
R1	C9, C12	MPE Ratio provided for reference only, single radio product.

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