Radio Frequency exposure was evaluated on the EUT to determine compliance with FCC 15.247(b)(5) and RSS-102.

The FRIIS transmission formula was applied to the peak power measurements obtained in section 2 of the test report.

FCC 1.1307(b) cites the limits for maximum permissible exposure (MPE) from 1.1310 and must be used to evaluate the impact of human exposure to radio frequency energy. The limits from 1.1310 are listed below:

Frequency MHz	Power Density (mW/cm^2)	Average Time (Minutes)
Limits for Occupational / Controlled Exposures		
30-300	1.0	6
300-1500	f/300	6
1500-100,000	5	6
Limits for General Population / Uncontrolled Exposures		
30-300	0.2	30
300-1500	f/1500	30
1500-100,000	1.0	30

$$PowerDensity = \frac{P_t * G}{4 * \pi * r^2}$$

Exposure

Frequency (MHz)	Calculated EIRP Power (dBm)	Linear Power (mW)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2405	-17.4	0.018	1	0.0163	1.0

Result: The EUT meets the Maximum Permissible Exposure Limits. This demonstrates compliance with FCC 15.247(b)(5) and RSS-102.

SAR Threshold Assessment

Frequency (MHz)	Power Density (mW/cm^2)	SAR Threshold mW
2405	0.0163	24.56

Result: The EUT power density is below the SAR threshold. This demonstrates compliance with FCC 15.247(b)(5) and RSS-102.