

7. Measurement Data (continued)

7.11. Public Exposure to Radio Frequency Energy Levels (15.247(i) (1.1307 (b)(1)) RSS-GEN, ISSUE 5, section 3.4, RSS 102)

7.11.2. RSS-102 Issue 5 Requirements

Requirement: Requirement: RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz.

Results: Compliant

Frequency	Separation Distance	Maximum Power ¹		RSS-102 Exemption Limit ²	Result
(MHz)	(cm)	(mW)	(W/m ²)	(W/m ²)	
903	≥ 20	6.68	0.01056	1.37	Compliant
915	≥ 20	8.04	0.01270	1.38	Compliant
927	≥ 20	6.87	0.01086	1.40	Compliant

¹ Reference Section 6.2 of this report.

² Reference RSS-102, § 2.5.2 Exemption Limits for Routine Evaluation – RF Exposure Evaluation for distances greater than 20 cm.

The following formula was used to determine the exemption limit (W):

$$1.31 \times 10^{-2} f^{0.6834} \quad (f = \text{frequency (MHz)})$$