## FCC 1.1307 (B) & §2.1091- MPE-BASED EXEMPTION

## **Applicable Standard**

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Report No.: 2401Y38761E-RF-00B

According to KDB 447498 D04 Interim General RF Exposure Guidance

## MPE-Based Exemption:

General frequency and separation-distance dependent MPE-based effective radiated power (ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)				
0.3-1.34	1,920 R <sup>2</sup> .				
1.34-30	3,450 R <sup>2</sup> /f <sup>2</sup> .				
30-300	3.83 R <sup>2</sup> .				
300-1,500	0.0128 R <sup>2</sup> f.				
1,500-100,000	19.2R <sup>2</sup> .				

Ris the minimum separation distance in meters f = frequency in MHz

## Result

Mode	Frequency (MHz)	Tune up conducted power <sup>#</sup> (dBm)	Antenna Gain <sup>#</sup>		ERP		Evaluation Distance	ERP Limit
			(dBi)	(dBd)	(dBm)	(W)	(m)	(W)
Lora- Hybrid	902.3-914.9	12	-2.3	-4.45	7.55	0.006	0.2	0.462
Lora-DTS	903-914.2	11.5	-2.3	-4.45	7.05	0.005	0.2	0.462

Note: The tune up conducted power and antenna gain was declared by the applicant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

**Result: Compliant.**