MPE Calculation: RFID

RF function or Mode	Frequency range (MHz)			Measured Average power (dBm)	Max. power with tune-up tolerance (dBm) ^{Note 1}	ANT Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Maximum power density (mW/cm²)	Requriment (mW/cm²)
RFID	917.10	~	926.90	24.67	25.00	3.72	28.72	744.732	0.149	0.611
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Note 1. Please refer to the operation description for Max. tune-up power.

Note 2.

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

The MPE sample calculation for this exposure is shown below.

Limits for Maximum Permissible Exposure (MPE)

Frequ	uency (MHz)	•	Electric Field strength (V/m)	Magnetic field strength (A/m)	Power Density (mW/cm²)	Averageing time (minutes)	
0.3	~	1.34	614	1.63	*100	30	
1.34	~	30	824/f	2.19 / f	*180 / f ²	30	
30	~	300	27.5	0.073	0.2	30	
300	~	1,500			f / 1500	30	
1,500	~	100,000			1.0	30	

Conclusion: The exposure condition of this device is compliant with FCC