



FCC Form 442 Experiment Resubmission Explanation

1 Introduction

GE (NYSE:GE) is in the process of creating a new era in productivity that we call the "Industrial Internet." True to its name, the Industrial Internet is about connecting industrial machines, infrastructure ecosystems and people at work to the internet in order to derive unprecedented value through analytics, machine automation, and the ability to predict and prevent critical issues. In short, the Industrial Internet is a war on downtime, waste and guesswork within industries. These innovations promise to bring greater speed and efficiency to diverse industries. The Industrial Internet will deliver new efficiency gains, accelerate productivity growth the way the Industrial Revolution and Internet Revolution did. For more information please visit our website: <https://www.ge.com/digital/>

2 Resubmission Explanation

GE Digital has communicated directly with the Navy and Marine Corps Spectrum Offices to coordinate usage of the below spectrum at the coordinates described below. We have been advised to resubmit the application. The test location site listed in our previous application is the same as the test site location of this current application as we have been assured that the Navy Marine Corps Spectrum Center has already provided approval.

3 Transmitter Information

One or two 20 MHz LTE RF channels will be operated within the requested frequency range at any one time.

The maximum EIRP for mobile and fixed sites is listed in Table 1. The fixed sites and small cells also support MIMO and the defined power is with respect to each antenna element.

Table 2 defines the deployment radiuses where all fixed and small cell sites will be located within during the testing.

Table 1 Transmitter Information

Type	Transmit Frequency (MHz)	EIRP (dBm)	EIRP (W)	ERP (W)	Maximum Transmission Bandwidth (MHz)	Emissions Designator
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Fixed	3550-3650	30	1	0.7	20	20M0W7W
Mobile	3550-3650	23	0.2	0.33	20	20M0W7W

Table 2 Fixed and Small Cell Transmitter Deployment Radius

		Operational Center Point		Fixed Site Location and Mobile Operational Radius	
Location Description	Location #	Lat	Long	Miles	km
2623 Camino Ramon, San Ramon, CA 94583	1	37 46 1 N	121 57 32 W	0.25	0.4