

From: Kristi Key

To: Hung Le

Date: May 03, 2019

Subject: Request for Info - File # 0694-EX-ST-2019

Message:

a) The purpose of the testing is for the validation of the GPS receivers.

b) See calculations below:

Output Power over 24 MHz	100	pW
1.00E-10	W	
-100	dBW	
Antenna Gain	7	dB
EIRP	-93	dBW
5.01E-10	W	
501	pW	
Frequency	1.57542E+09	Hz
Distance	30	m
FSPL	66	dB
Building Shielding	20	dB
Received Power from Isotropic Ant.	-179	dBW
1.28E-18	W	https://en.wikipedia.org/wiki/Free-space_path_loss
0.000001	pW	