Compliance Testing, LLC
Previously Flom Test Lab
EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268
fax: (480) 926-3598
http://www.ComplianceTesting.com
info@ComplianceTesting.com

Test Report

Prepared for: sci_Zone, Inc.

Model: LinkStar-STX3-ME

Description: Radio for Low Earth Orbit Communication

Serial Number: 0-2357850

FCC ID: 2ANKS-LINKSTAR-STX3

To

FCC Part 25

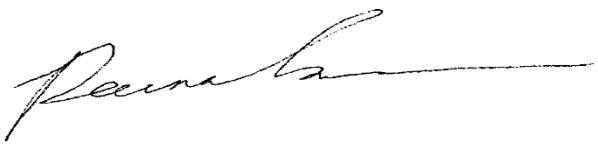
To

FCC Part 1.1310

Date of Issue: October 13, 2017

On the behalf of the applicant:	**sci_Zone, Inc.** **5108 Alberta Avenue** **Rio Rancho, New Mexico 87144**
Attention of:	**Andrew Santangelo** **Ph: (505)205-8315** **Email: andrew_santangelo@mac.com**

Prepared By
Compliance Testing, LLC
1724 S. Nevada Way
Mesa, AZ 85204
(480) 926-3100 phone / (480) 926-3598 fax
www.compliancetesting.com
Project No: p1780007



Poona Saber
Project Test Engineer

Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	October 12, 2017	Poona Saber	Original Document

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

Please refer to http://www.compliancetesting.com/labscope.html for current scope of accreditation.

Testing Certificate Number: **2152.01**

FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description
Model: LinkStar-STX3-ME
Description: LinkStar is a radio designed for use in space that interfaces with the GlobalStar Satellite network
Firmware: NA
Software: QuickSAT/VMS 4.0
Serial Number: 0-2357850

Source Based Time Averaged Power Calculation

Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Conducted Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
1618.75	97.72	100	97.72

MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)	0.3-1.234 MHz:	Limit [mW/cm²] = 100
	1.34-30 MHz:	Limit [mW/cm²] = (180/f²)
	30-300 MHz:	Limit [mW/cm²] = 0.2
	300-1500 MHz:	Limit [mW/cm²] = f/1500
	1500-100,000 MHz	Limit [mW/cm²] = 1.0

Test Data

Test Frequency, MHz	1618.75
Power, Conducted, mW (P)	97.72
Antenna Gain Isotropic	4.25 dBi
Antenna Gain Numeric (G)	2.66
Antenna Type	Patch
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm^2

Power Density (S) =0.051
Limit = (from above table) = 1