

## Supplementary Data

**Project Number:** 3543693

**Report Number:** 3543693EMC02\_SD      **Revision Level:** 1

**Client:** Digital Dream Labs, LLC, Inc.

**Equipment Under Test:** Ludos Gameboard

**Model:** cloudBoard

**Applicable Standards:** FCC Part 15 Subpart C, § 15.209

RSS-GEN, Issue 3, December 2010

ANSI C63.10: 2009

**Remarks:**

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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## 1 Summary

The cloudBoard's 13.56MHz RFID signaling is intended to operate most efficiently in the extreme near field of its antennas. For this reason, comparing the amplitude of the harmonics to that of the fundamental at a measuring distance of 3 meters is misleading. Therefore, in order to demonstrate compliance with the requirements in clause 15.209(c) of the FCC rules, conducted measurements are presented in this document.

## 2 Test Data

Analyzer settings:

1MHz-30MHz

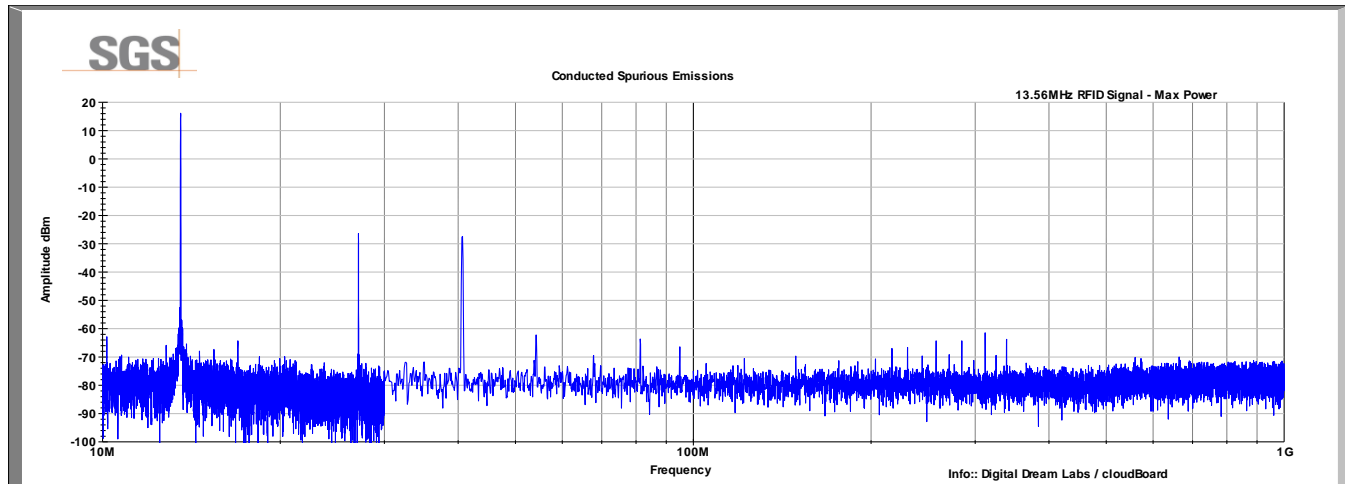
RBW: 10kHz

VBW: 30kHz

30MHz-1GHz

RBW: 100kHz

VBW: 300kHz



Harmonic	Frequency (MHz)	Peak Amplitude (dBm)
1 (Fundamental)	13.56	16.0
2	27.12	-26.5
3	40.68	-27.4
4	54.24	-62.3
5	67.8	-69.5
6	81.36	-63.7
7	94.92	-66.4
8	108.48	-72.4
9	122.04	-70.5
10	135.6	-74.8

## 2.1 Test Equipment

Test Date: 4-Sep-2014

Tester: JOP

Equipment	Model	Manufacturer	Asset Number	Cal Due Date
SIGNAL ANALYZER	FSV30	ROHDE & SCHWARZ	B085749	28-Aug-2015
MULTIFLEX COAXIAL CABLE	141	HUBER&SUHNER	B095587	5-Aug-2015