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Project No: CB10511132

RF Exposure Evaluation Report

Applicant's company	Dana Innovations
Applicant Address	212 Avenida Fabricante San Clemente, CA 92672 USA
FCC ID	2ACSD-140657
Manufacturer's company	Dana Innovations
Manufacturer Address	212 Avenida Fabricante San Clemente, CA 92672 USA

Product Name	xPRESS Audio Keypad
Brand Name	iPort
Model Name	xPRESS Audio Keypad 70800
Ref. Standard(s)	47 CFR FCC Part 2 Subpart J, section 2.1093
Received Date	Apr. 18, 2016
Final Test Date	Nov. 11, 2016
Submission Type	Original Equipment


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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA641926-01	Rev. 01	Initial issue of report	Jan. 04, 2017

1. GENERAL DESCRIPTION

1.1. EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
2.4GHz WLAN	2400-2483.5	2412-2462	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)

Note: The EUT supports 20MHz only.

1.2. Testing Location

Testing Location		
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2. RF EXPOSURE EVALUATION

2.1. Applicable Standard

In accordance with FCC 47 CFR part 2 (2.1093) this device has been defined as a portable device which is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

Portable devices must be evaluated using the specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2003.

2.2. SAR evaluation

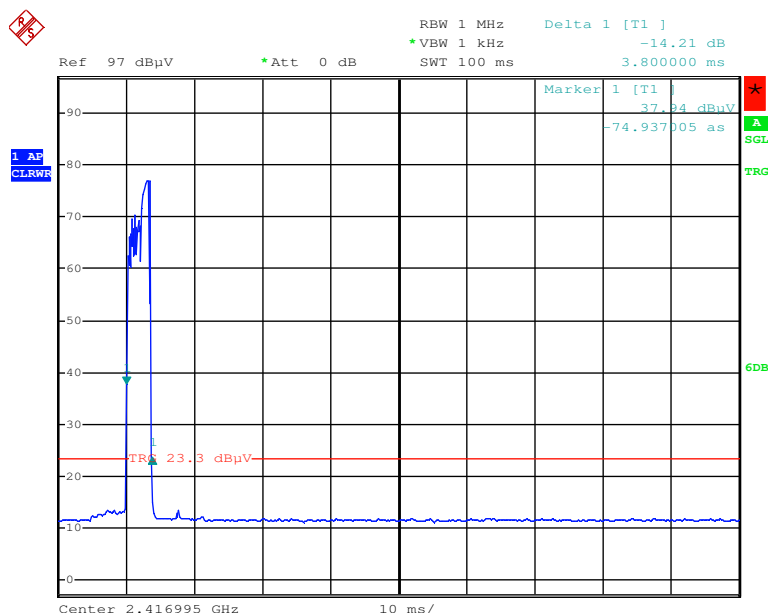
- Per FCC KDB 447498 D01 v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f_{\text{GHz}}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

- f_{GHz} is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

•Note: This EUT belongs to a remote-controlled product. The transmissions are sporadic and the duty cycle within a 100ms observation time is 3.8%.



Date: 8.NOV.2016 09:45:03

Max. Power		Duty Cycle (%)	Tune-up Max. Power		Test Distance (mm)	Frequency (GHz)	Exclusion Thresholds
(dBm)	(mW)		(dBm)	(mW)			
21.87	153.8	3.8	8.2	6.6	5	2.437	2.06

- Per FCC KDB 447498 D01 v06 exclusion thresholds is $2.06 < 3$, RF exposure evaluation is not required.