REGULATORY COMPLIANCE REPORT

TITLE: FCC & IC Conducted measurement Test Report for 15.231(a) (952-960 MHz) & RSS-210 Annex 1 (952-953 MHz), Momentary Operated Devices.

FC300SR

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REV	CCO	DESCRIPTION OF CHANGE	DATE	APPROVALS	
001		INITIAL RELEASE		Engineering	
				Regulatory	

REVISION HISTORY

a		initial upload	18nov11	Engineering	
				Regulatory	
b		inputs from 1st questions	18dec11	Engineering	
				Regulatory	
				Engineering	
				Regulatory	

Test Data Summary

FCC 15.231(a) / IC RSS-210 Annex1; Momentary Operated Devices Transmitter;

FC300 SR 952 - 953 MHz for EUT
FCC ID: EO9FC300SR
IC: 864A-FC300SR
IC Device Models (for IC):FC300
Serial Numbers – see below

Rule	Description	Spec Limit	Max. Reading	Pass/Fail
Part 15.203	Antenna Requirement	see below	n/a	Pass
Part 15.31(e)	Variation of Input Voltage – Conducted	n/a	94.5 dBuV	n/a
15.231(A) / RSS 210 A1.1.1 (b)	Periodic Operation	5 seconds	5 S	Pass

Rule versions: FCC Part 1 (01-2006), FCC Part 2 (01-2006), FCC Part 15 (05-04-2007), RSS-102 Issue 2 (11-2005), RSS-210 Issue 8 (12-2010), RSS-Gen Issue 3 (12-2010).
Reference docs: ANSI C63.4-2003, DA 00-705 (03-30-2000), OET65 (08-1997), OET65C (06-2001), IEEE C95.3-2002.

Cognizant Personnel	
Name William Stoner	Title Test Engineer
Name Jay Holcomb	Title Regulatory Manager
Name Drew Rosenberg	Title Project Lead

CONDITIONS DURING TESTING

No Modifications to the EUT were necessary during the testing.

NOTE: This report contains only conducted emission measurements. All radiated emissions measurements and AC Line conducted emission measurements are found in the radiated emission report.

FCC 15.31(m) – IC _n/a_; Number of Channels
This transmitter operates centered on one frequency at 952 MHz. Therefore, the transmitter was tested on that frequency only.

ANSI C63.4 - Temperature and Humidity During Testing
The temperature during testing was within +10º C and +40º C.
The Relative humidity was between 10% and 90%.
RSS-Gen 4.3: Tests shall be performed at ambient temperature

EQUIPMENT UNDER TEST (EUT) DESCRIPTION
Itron declares that the EUT tested was representative of a production unit.

EQUIPMENT UNDER TEST

EUT Module

Manuf:	Itron, Inc.
Model:	FC300SR
Serial Number(s)	FC30011242858
Power source	Fully charged battery running on AC battery charger

Peripheral Devices
The EUT was tested with the following peripheral devices:

15VDC Power Supply Battery Charger

Manuf:	GlobTek, Inc
Model:	GT-81081-6015-T3
Serial:	RoHS100187103/09

15.203

Antenna Requirements

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

The antenna is removable and has a unique Reverse Sex SMA connector; therefore the EUT complies with these FCC rules.

15.31(e)

Variation of Supply Voltage

Vary the supply voltage from 85% to 115% of the nominal voltage. If the power level of the fundamental signal varies with supply voltage, record the voltage level at which the fundamental signal is at its highest and use that voltage level for all further testing.

Equipment Used	Serial Number	Cal Date	Due
Agilent 4440A	MY44022578	04/20/2011	04/20/2012
Fluke 75 Multimeter	84011050	3/23/2011	3/31/2012
Staco energy products Variac	NA	NA	NA
Date	**Tested by**		
11/2/2011	William Stoner		

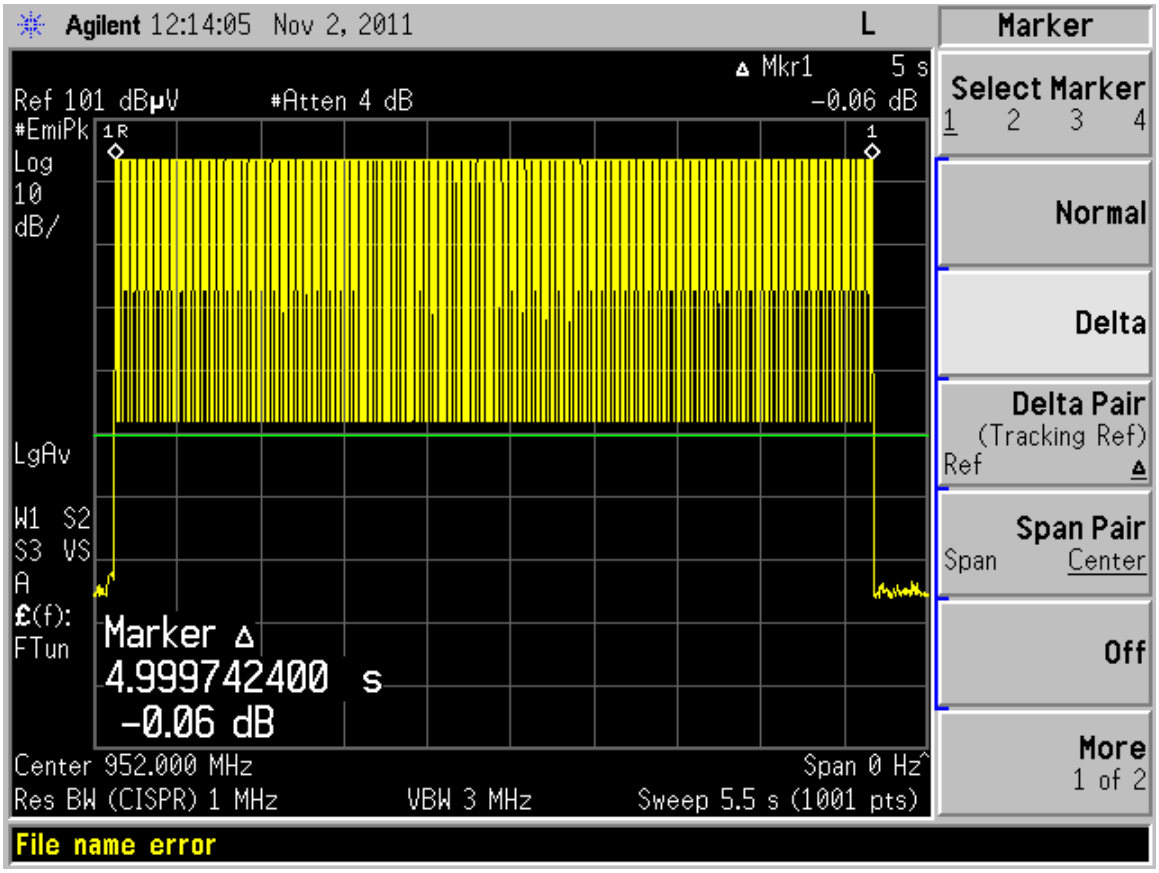
Voltage	Level (dBuV)
115V	94.5
97.75V	94.5
132.25V	94.5

15.231(a) / RSS-210 A1.1.1

Periodic Operation

The following conditions shall be met to comply with the provisions for this periodic operation: (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released. (2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

Equipment Used	Serial Number	Cal Date	Due
Agilent 4440A	MY44022578	04/20/2011	04/20/2012
Date	Tested by		
11/2/2011	William Stoner		



This plot is the longest message that is sent.

The programming sequence is initiated by keyboard or receiving device, then the transmission is triggered automatically.