

TEST REPORT

Report Number: 100169885ATL-001

July 28, 2010

Product Designation: Remote Control Model G0795

Standard: 47 CFR Part 15, Subpart C (15.231 - Periodic operation in the band 40.66-40.70 MHz and above 70 MHz) RSS-210, Issue 7, 2007

Tested by: Intertek Testing Services NA Inc. 1950 Evergreen Blvd., Suite 100 Duluth, GA 30096 Client: Hunter Fan 7130 Goodlett Farms Pkwy Suite 400 Memphis, TN 38016 Contact: Robert Davis Phone: 901.248.2212

Tests performed by:

Richard C. Bianco EMC Project Engineer

Report reviewed by:

Jeremy O. Pickens EMC Department Manager

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1.0 Introduction and Conclusion

The tests indicated in section 2.0 were performed on the product constructed as described in section 3.0. The remaining test sections are the verbatum text from the actual data sheets used during the investigation. These test sections include the test name, the specified test Method, a list of the actual Test Equipment Used, documentation Photos, Results and raw Data. No additions, deviations, or exclusions have been made from the standard(s) unless specifically noted.

Based on the results of our investigation, we have concluded the product tested complies with the requirements of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) tested.

2.0 Test Summary

Section	Test Full Name	Test Date	Result
4.0	System setup including cable interconnection details, support equipment and simplified block diagram. (System Setup)		
5.0	Overview of EUT (Low Power Transmitters) (FCC 15C - EUT Overview)		
6.0	Restrictions (FCC 15C - 15.231(a))	07/15/2010	PASS
7.0	Duty Cycle Determination (FCC 15A - 15.35(c))	07/15/2010	PASS
8.0	Radiated Emissions (FCC 15C - 15.231(b))	07/16/2010	PASS
9.0	Bandwidth Requirements (FCC 15C - 15.231(c))	07/16/2010	PASS
NA	Conducted emissions on AC power lines (Conducted Emissions) was waived due to the EUT does not connect to the AC mains.		

NA Conducted Emissions for Intentional Radiators (FCC 15C - 15.207) was waived due to the EUT does not connect to the AC mains.

3.0 Description of Equipment Under Test

Equipment Under Test					
Description Manufacturer Model Number Serial Number					
Fan/Light remote control	Hunter Fan	G0795	3		

EUT receive date:	07/15/2010
EUT receive condition:	Good

Description of EUT provided by Client:

The G0795 is a remote control for a lighted ceiling fan.

Description of EUT exercising:

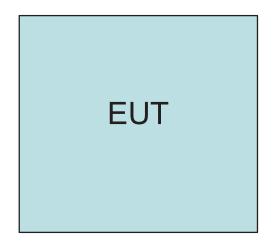
The remote control was powered with a new battery and placed in a rapid transmit mode with normal modulation.

4.0 System setup including cable interconnection details, support equipment and simplified block diagram. (System Setup)

Method:

Record the details of EUTcabling, document the support equipment, and show the interconnections in a block diagram.

Drawing:



Simplified Block Diagram

4.0 System setup including cable interconnection details, support equipment and simplified block diagram. (System Setup)

Data:

	EUT Cabling					
Connection					ection	
ID	Description	Length	Shielding	Ferrites	From	То
				No cablin	g required	
	Support Equipment					

Support Equipment						
Description Manufacturer Model Number Serial Number						
No support equipment required						

5.0 Overview of EUT (Low Power Transmitters) (FCC 15C - EUT Overview)

Method:

Complete the overview spreadsheet.

Related Submittal(s) Grants: This report is for use with an application for certification of a low power transmitter. One transmitter is included in the application.

Data:

	Hunter Fan
Applicant	7130 Goodlett Farms Pkwy Ste. 400
	Memphis TN 38016
Trade Name & Model No.	G0795
FCC Identifier	IN2TX29
Frequency Range (MHz)	350
Antenna Type (15.203)	Internal
	Hunter Fan
Manufacturer name & address	7130 Goodlett Farms Pkwy Ste. 400
	Memphis TN 38016
Related Submittals and Grants:	This report is for use with an application for certification of a low power transmitter. One transmitter is included in the application.
Additions, deviations and	
exclusions from standards	None

6.0 Restrictions (FCC 15C - 15.231(a))

Method:

15.231(a) The provisions of this section are restricted to periodic operation within the band 40.66-40.70 MHz and above 70 MHz. Except as shown in paragraph (e) of this section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Continuous transmissions, voice, video and the radio control of toys are not permitted. Data is permitted to be sent with a control signal. 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.

(3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

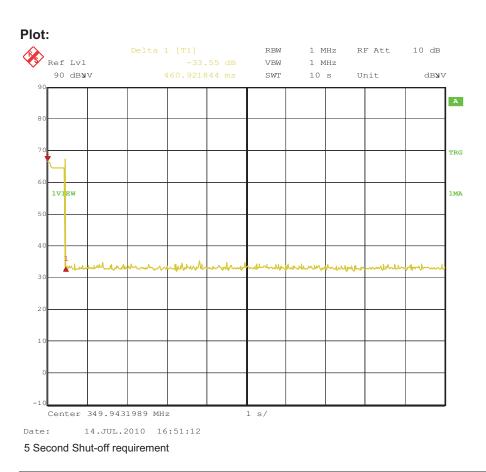
(4) Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition

(5) Transmission of set-up information for security systems may exceed the transmission duration limits in paragraphs (a)(1) and (a)(2) of this section, provided such transmissions are under the control of a professional installer and do not exceed ten seconds after a manually operated switch is released or a transmitter is activated automatically. Such set-up information may include data.

Test Equipment Used:

Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Cable E201, 18 GHz, N, 3m	Megaphase	TM18 NKNK 118	E201	02/02/2010	02/02/2011
Spectrum Analyzer, 20Hz-40GHz	Rohde & Schwarz	FSEK30	200062	10/19/2009	10/19/2010

Results: The sample tested was found to Comply.



6.0 Restrictions (FCC 15C - 15.231(a))

Data:

15.231(a)	Response	Requirement
Frequency Range (Mhz, max) 350	40.66-40.70 MHz and > 70MHz
Frequency Range (MHz, min) 350	40.66-40.70 MHz and > 70MHz
Transmit only control signal	? Yes	Only control signal allowed
Continuous transmission	? No	No
Voice transmission	? No	No
Video transmission	? No	No
Radio control of toy	? No	No

15.231(a)(1)

Manually operated?	Yes	
Deactivates within 5 seconds?	Yes	Yes
Show plot (10 second sweep)	Yes	

15.231(a)(2)

Automatically operated?	No	
Deactivates within 5 seconds?	Yes	Yes

15.231(a)(3)

Periodically transmits at predetermined intervals?	No	Allowed, with restrictions
Polling signals?	No	Allowed, with restrictions

7.0 Duty Cycle Determination (FCC 15A - 15.35(c))

Method:

(c) Unless otherwise specified, e.g. §15.255(b), when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subject to notification or verification.

Determine the period of the pulse train, T, in mSec and record the results. T is defined as the time from the beginning of one pulse train to the beginning of the next pulse train.

Count the number of different types of pulses, N and record the results.

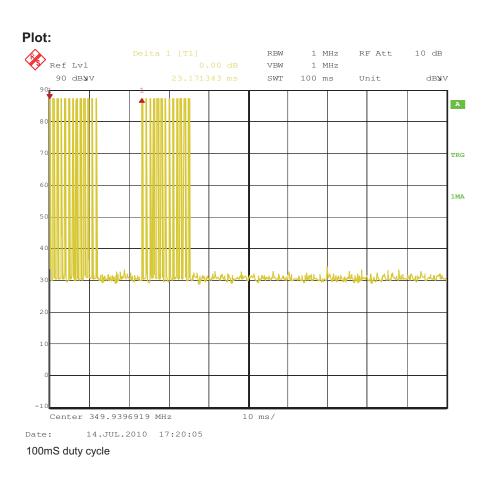
For each of the different types of pulses, count the number of occurrences within one pulse train.

Use the Duty Cycle Correction Factor, DCCF, from the results table and use it to adjust the field strength measurements recorded for radiated emissions.

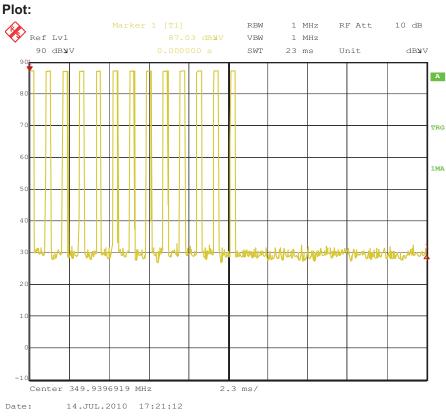
Test Equipment Used:

Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Cable E201, 18 GHz, N, 3m	Megaphase	TM18 NKNK 118	E201	02/02/2010	02/02/2011
Spectrum Analyzer, 20Hz-40GHz	Rohde & Schwarz	FSEK30	200062	10/19/2009	10/19/2010

Results: The sample tested was found to Comply.

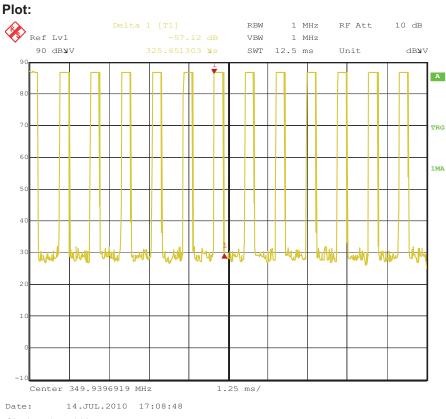


7.0 Duty Cycle Determination (FCC 15A - 15.35(c))



23mS duty cycle

7.0 Duty Cycle Determination (FCC 15A - 15.35(c))



Single pulse width

1

7.0 Duty Cycle Determination (FCC 15A - 15.35(c))

Data:

Duration of Pulse Train, T (mSec): 23.171 23.171

Averaging Interval, A_I (mSec):

Number of different Pulses, N:

	Number	Pulse Width, mSec	Product
	(#P _x)	(PW _x)	(#P _x)*(PW _x)
Pulse Width 1	13	0.325651	4.233463
Pulse Width 2			
Pulse Width 3			
Pulse Width 4			
Pulse Width 5			
Pulse Width 6			
Pulse Width 7			
Pulse Width 8			
Pulse Width 9			
Pulse Width 10			

Duty Cycle:	0.182705235
Duty Cycle Correction Factor, dB:	-14.8

 $T_{on} = (P W_1 * \# P)_1 + (P W_2 * \# P_2) + \dots + (P W_n * \# P_n)$ $DutyCycle = T_{on} \div A_I$ $DCCF = 20 * Log_{10}(DutyCycle)$

Method:

(b) In addition to the provisions of §15.205, the field strength of emissions from intentional radiators operated under this section shall not exceed the limits specified in FCC Part 15.231(b).

Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation.

The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

For radiated emission measurements, the EUT is attached to a styro-foam block and placed on a non-conductive table whose top is 80cm above the ground plane. If the EUT is handheld, the signal shall be aximized through rotation and placement in the three orthogonal axes.

During the test the EUT is rotated and the antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters.

Radiated emissions are taken at 3 meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance. All readings are extrapolated back to the equivalent 3-meter reading using inverse scaling with distance.

Radiated emission measurements were performed from 30 MHz to 10 times the highest frequency generated in the EUT. When provided, emissions plots are taken with a peak detector unless otherwise indicated.

Analyzer resolution is:

□ 100 kHz or greater for frequencies 1000 MHz and below, □ 1 MHz for frequencies above 1000 MHz.

Equipment setup for radiated disturbance tests shall follow the guidelines of ANSI C63.4:2003.

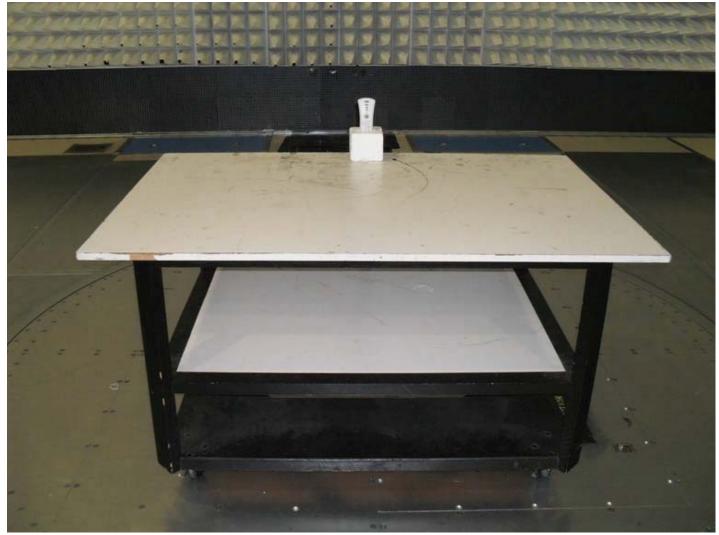
The Peak value of the Field Strength was measured. The Average value was obtained from the Peak by subtracting the Duty Cycle Correction Factor or by using an average detector.

Test Equipment Used:

Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Antenna, BiLog, 20-2000MHz	Chase	CBL6112B	211386	10/02/2009	10/02/2010
Antenna, Horn, <18 GHz	EMCO	3115	213061	05/07/2010	05/07/2011
Cable E201, 18 GHz, N, 3m	Megaphase	TM18 NKNK 118	E201	02/02/2010	02/02/2011
Cable MP3, 18 GHz, N, 10m	Megaphase	G919-NKNK-394	MP3	05/04/2010	05/04/2011
Cable TW2	Andrews	Cable TW2	TW2 211411	05/04/2010	05/04/2011
Cable, 7 meters, 1-18GHz	Storm Products Co.	PR90-241-7MTR	ST-2	08/18/2009	08/18/2010
Cable, 7 meters, 1-18GHz	Storm Products Co.	PR90-195-7MTR	ST-3	08/18/2009	08/18/2010
Cable, N-N 3 meters, 18GHz	Megaphase	TM18 NKNK 118	E203	05/04/2010	05/04/2011
Cable, N-N, 3 meters, 18GHz	Megaphase	TM18-NKNK-118	E204	05/04/2010	05/04/2011
EMI Receiver	Hewlett Packard	8546A	211505	02/02/2010	02/02/2011
EMI Receiver, Preselector section	Hewlett Packard	85460A	015762	02/02/2010	02/02/2011
Excel spreadsheet for radiated emissions	Software	Excel - RE Worksh	SW004	12/09/2009	12/09/2010
Preamplifier, 10 MHz to 2000 MHz, 30 dB gain	Mini-Circuits	ZKL-2	200069	04/20/2010	04/20/2011
Preamplifier, 20 MHz to 18 GHz, 40 dB	A.H. Systems	PAM-0118	200108	04/21/2010	04/21/2011
Spectrum Analyzer, 20Hz-40GHz	Rohde & Schwarz	FSEK30	200062	10/19/2009	10/19/2010
Tile - software profile for radiated and conducted emissions testing.	Software	Tile - Emissions	SW006	12/09/2009	12/09/2010

Results: The sample tested was found to Comply.

Photo:



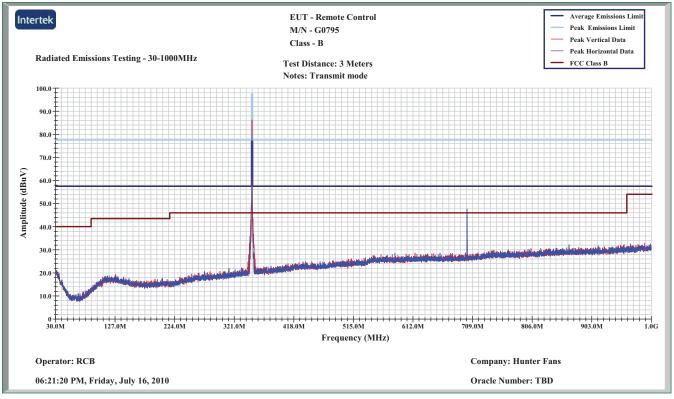
Test Setup - Front view

Photo:



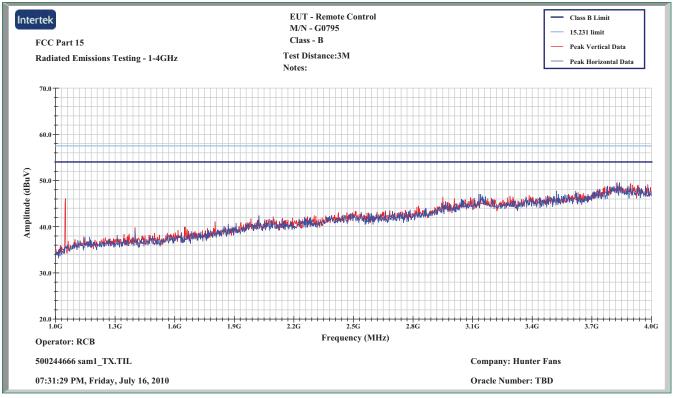
Test Setup - Rear view

Plot:



Radiated Emissions from 30-1000MHz

Plot:



Radiated Emissions from 1000-4000MHz

Data:

Frequency Range (MHz): 30-350

Input power: New battery

Test Distance (m): 3

Modifications for compliance (y/n): $\ensuremath{\mathsf{n}}$

Notes:		-				•	• /			
А	В	С	D	Е	F	G	Н	Ι	J	K
Ant.			Antenna	Cable	Pre-amp	Duty Cycle		3m		Axis /
Pol.	Frequency	Reading	Factor	Loss	Factor	Factor	Net	Limit	Margin	Detector
(V/H)	MHz	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)	dB(uV/m)	dB	
V	349.893	97.8	14.8	3.6	27.6	0.0	88.5	97.5	-9.0	XP
V	349.893	97.8	14.8	3.6	27.6	14.8	73.7	77.5	-3.8	XA
Н	349.893	87.7	14.5	3.6	27.6	0.0	78.1	97.5	-19.4	XP
Н	349.893	87.7	14.5	3.6	27.6	14.8	63.3	77.5	-14.2	XA
V	349.893	86.9	14.8	3.6	27.6	0.0	77.6	97.5	-19.9	YP
V	349.893	86.9	14.8	3.6	27.6	14.8	62.8	77.5	-14.7	YA
Н	349.893	99.1	14.5	3.6	27.6	0.0	89.5	97.5	-8.0	YP
Н	349.893	99.1	14.5	3.6	27.6	14.8	74.7	77.5	-2.8	YA
V	349.893	88.8	14.8	3.6	27.6	0.0	79.5	97.5	-18.0	ZP
V	349.893	88.8	14.8	3.6	27.6	14.8	64.7	77.5	-12.8	ZA
Н	349.893	95.8	14.5	3.6	27.6	0.0	86.2	97.5	-11.3	ZP
Н	349.893	95.8	14.5	3.6	27.6	14.8	71.4	77.5	-6.1	ZA
Calcu	lations	G=C+	D+E-F	I=0	G-H					

Radiated Emissions from 30-350MHz

Data:

Frequency Range (MHz): 350-1000 Input power: New battery Test Distance (m): 3 Modifications for compliance (y/n): n

input power. New buttery						funce (g/ ii).			
В	С	D	Е	F	G	Н	Ι	J	K
		Antenna	Cable	Pre-amp	Duty Cycle		3m		Axis /
Frequency	Reading	Factor	Loss	Factor	Factor	Net	Limit	Margin	Detector
MHz	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)	dB(uV/m)	dB	
699.866	63.7	19.2	4.8	27.5	0.0	60.2	77.5	-17.3	XP
699.866	63.7	19.2	4.8	27.5	14.8	45.4	57.5	-12.1	XA
699.866	57.2	19.4	4.8	27.5	0.0	54.0	77.5	-23.6	XP
699.866	57.2	19.4	4.8	27.5	14.8	39.2	57.5	-18.4	XA
699.866	55.5	19.2	4.8	27.5	0.0	51.9	77.5	-25.6	YP
699.866	55.5	19.2	4.8	27.5	14.8	37.1	57.5	-20.4	YA
699.866	61.3	19.4	4.8	27.5	0.0	58.0	77.5	-19.5	YP
699.866	61.3	19.4	4.8	27.5	14.8	43.2	57.5	-14.3	YA
699.866	50.8	19.2	4.8	27.5	0.0	47.3	77.5	-30.2	ZP
699.866	50.8	19.2	4.8	27.5	14.8	32.5	57.5	-25.0	ZA
699.866	64.0	19.4	4.8	27.5	0.0	60.7	77.5	-16.8	ZP
699.866	64.0	19.4	4.8	27.5	14.8	45.9	57.5	-11.6	ZA
ilations	G=C+	D+E-F	I=C	G-H					
	B Frequency MHz 699.866 699.866 699.866 699.866 699.866 699.866 699.866 699.866 699.866 699.866 699.866	B C Frequency MHz Reading dB(uV) 699.866 63.7 699.866 63.7 699.866 57.2 699.866 57.2 699.866 55.5 699.866 61.3 699.866 50.8 699.866 50.8 699.866 50.8 699.866 64.0	B C D Frequency MHz Reading dB(uV) Antenna Factor dB(1/m) 699.866 63.7 19.2 699.866 63.7 19.2 699.866 57.2 19.4 699.866 55.5 19.2 699.866 55.5 19.2 699.866 55.5 19.2 699.866 61.3 19.4 699.866 61.3 19.4 699.866 50.8 19.2 699.866 50.8 19.2 699.866 50.8 19.2 699.866 50.8 19.2 699.866 50.8 19.2 699.866 64.0 19.4 699.866 64.0 19.4	B C D E Frequency MHz Reading dB(uV) Antenna Factor Cable Loss 699.866 63.7 19.2 4.8 699.866 63.7 19.2 4.8 699.866 57.2 19.4 4.8 699.866 55.5 19.2 4.8 699.866 55.5 19.2 4.8 699.866 55.5 19.2 4.8 699.866 55.5 19.2 4.8 699.866 50.5 19.2 4.8 699.866 50.5 19.2 4.8 699.866 50.5 19.2 4.8 699.866 50.5 19.2 4.8 699.866 50.8 19.2 4.8 699.866 50.8 19.2 4.8 699.866 50.8 19.2 4.8 699.866 64.0 19.4 4.8 699.866 64.0 19.4 4.8 699.866 64.0	B C D E F Frequency MHz Reading dB(uV) Antenna Factor dB(1/m) Cable Loss Pre-amp Factor dB 699.866 63.7 19.2 4.8 27.5 699.866 63.7 19.2 4.8 27.5 699.866 57.2 19.4 4.8 27.5 699.866 57.2 19.4 4.8 27.5 699.866 55.5 19.2 4.8 27.5 699.866 55.5 19.2 4.8 27.5 699.866 55.5 19.2 4.8 27.5 699.866 61.3 19.4 4.8 27.5 699.866 50.5 19.2 4.8 27.5 699.866 61.3 19.4 4.8 27.5 699.866 50.8 19.2 4.8 27.5 699.866 50.8 19.2 4.8 27.5 699.866 50.8 19.2 4.8 27.5 699.866	B C D E F G Frequency MHz Reading dB(uV) Antenna Factor dB(1/m) Cable Loss dB Pre-amp Factor dB Duty Cycle Factor dB 699.866 63.7 19.2 4.8 27.5 0.0 699.866 63.7 19.2 4.8 27.5 14.8 699.866 57.2 19.4 4.8 27.5 14.8 699.866 57.2 19.4 4.8 27.5 14.8 699.866 57.2 19.4 4.8 27.5 14.8 699.866 55.5 19.2 4.8 27.5 14.8 699.866 55.5 19.2 4.8 27.5 14.8 699.866 51.3 19.2 4.8 27.5 14.8 699.866 61.3 19.4 4.8 27.5 14.8 699.866 61.3 19.4 4.8 27.5 14.8 699.866 50.8 19.2 4.8 27.5 14.8	B C D E F G H Frequency MHz Reading dB(uV) Antenna Factor dB(1/m) Cable Loss Pre-amp factor dB Duty Cycle Factor dB Net dB(uV/m) 699.866 63.7 19.2 4.8 27.5 0.0 60.2 699.866 63.7 19.2 4.8 27.5 14.8 45.4 699.866 57.2 19.4 4.8 27.5 14.8 39.2 699.866 57.2 19.4 4.8 27.5 14.8 39.2 699.866 55.5 19.2 4.8 27.5 14.8 39.2 699.866 55.5 19.2 4.8 27.5 0.0 51.9 699.866 51.3 19.2 4.8 27.5 0.0 58.0 699.866 61.3 19.4 4.8 27.5 0.0 58.0 699.866 61.3 19.4 4.8 27.5 0.0 43.2 699.866 50.8 1	B C D E F G H I Frequency MHz Reading dB(uV) Antenna Factor dB(1/m) Cable Loss Pre-amp dB Duty Cycle dB Met dB Jimit dB(uV/m) 699.866 63.7 19.2 4.8 27.5 0.0 60.2 77.5 699.866 63.7 19.2 4.8 27.5 14.8 45.4 57.5 699.866 57.2 19.4 4.8 27.5 14.8 39.2 57.5 699.866 57.2 19.4 4.8 27.5 0.0 51.9 77.5 699.866 55.5 19.2 4.8 27.5 14.8 39.2 57.5 699.866 55.5 19.2 4.8 27.5 0.0 51.9 77.5 699.866 61.3 19.4 4.8 27.5 14.8 37.1 57.5 699.866 61.3 19.4 4.8 27.5 0.0 58.0 77.5 699.866	B C D E F G H I J Frequency Reading Factor Loss Pre-amp Duty Cycle 3m Jmit Margin 699.866 63.7 19.2 4.8 27.5 0.0 60.2 77.5 -17.3 699.866 63.7 19.2 4.8 27.5 0.0 60.2 77.5 -17.3 699.866 63.7 19.2 4.8 27.5 14.8 45.4 57.5 -12.1 699.866 57.2 19.4 4.8 27.5 14.8 39.2 57.5 -18.4 699.866 57.2 19.4 4.8 27.5 10.0 51.9 77.5 -23.6 699.866 55.5 19.2 4.8 27.5 10.0 51.9 77.5 -25.6 699.866 51.3 19.2 4.8 27.5 10.0 51.9 77.5 -25.6 699.866 61.3 19.4

Radiated Emissions from 350-1000MHz

Data:

Frequency Range (MHz): 1000-4000 Input power: New battery Test Distance (m): 3 Modifications for compliance (y/n): n

-							sits for compranie (j/ii).				
Notes:											
А	В	С	D	Е	F	G	Н	Ι	J	K	
Ant.			Antenna	Cable	Pre-amp	Duty Cycle		3m		Axis /	
Pol.	Frequency	Reading	Factor	Loss	Factor	Factor	Net	Limit	Margin	Detector	
(V/H)	MHz	dB(uV)	dB(1/m)	dB	dB	dB	dB(uV/m)	dB(uV/m)	dB		
V	1049.660	55.1	23.7	5.0	37.5	0.0	46.3	77.5	-31.2	XP	
V	1049.660	55.1	23.7	5.0	37.5	14.8	31.5	57.5	-26.0	XA	
Н	1049.660	46.2	23.7	5.0	37.5	0.0	37.4	77.5	-40.1	XP	
Н	1049.660	46.2	23.7	5.0	37.5	14.8	22.6	57.5	-34.9	XA	
V	1049.660	48.2	23.7	5.0	37.5	0.0	39.4	77.5	-38.1	YP	
V	1049.660	48.2	23.7	5.0	37.5	14.8	24.7	57.5	-32.9	YA	
Н	1049.660	52.8	23.7	5.0	37.5	0.0	44.0	57.5	-13.5	YA	
Н	1049.660	52.8	23.7	5.0	37.5	14.8	29.2	57.5	-28.3	YA	
V	1049.660	48.3	23.7	5.0	37.5	0.0	39.6	57.5	-17.9	ZA	
V	1049.660	48.3	23.7	5.0	37.5	14.8	24.8	57.5	-32.8	ZA	
Н	1049.660	53.7	23.7	5.0	37.5	0.0	44.9	57.5	-12.6	ZA	
Н	1049.660	53.7	23.7	5.0	37.5	14.8	30.1	57.5	-27.4	ZA	
Calcu	lations	G=C+	D+E-F	I=C	Ъ-Н						

Radiated Emissions from 1000-4000MHz

9.0 Bandwidth Requirements (FCC 15C - 15.231(c))

Method:

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

- Center Frequency is set to the fundamental of transmitter.

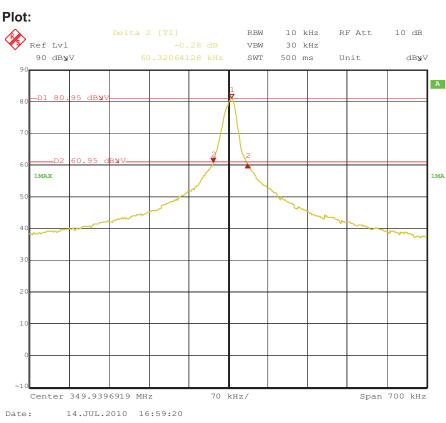
- Resolution Bandwidth is set to approximately 1% of the emission bandwidth.

- Video Bandwidth is set greater than or equal to the Resolution Bandwidth.

Test Equipment Used:

Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Cable E201, 18 GHz, N, 3m	Megaphase	TM18 NKNK 118	E201	02/02/2010	02/02/2011
Spectrum Analyzer, 20Hz-40GHz	Rohde & Schwarz	FSEK30	200062	10/19/2009	10/19/2010

Results: The sample tested was found to Comply.



20dB down Bandwidth

9.0 Bandwidth Requirements (FCC 15C - 15.231(c))

Data:

Fundamental	Measured	Bandwidth
Frequency	Bandwidth	Limit
MHz	MHz	MHz
350	0.0603	0.875

Suggested Instrument Settings					
RBW (kHz):	9				
VBW (kHz):	26				
Span (MHz):	0.875				
Sweep time (s):	>1				