

TEST REPORT

Report Number: 100766024ATL-009

June 29, 2012

Product Designation: G01764 Transmitter Hand Held

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 8, 2010

Tested by: Intertek Testing Services NA Inc. 1950 Evergreen Blvd., Suite 100 Duluth, GA 30096 Client: Hunter Fan 7130 Goodlett Farms Parkway, Ste 400 Memphis, TN 38016 Contact: Robert Davis Phone: 901-248-2212 Fax: 901-248-2382 rdavis@hunterfan.com

Tests performed by:

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Report reviewed by:

Jeremy O. Pickens Senior Staff Engineer

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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))	06/29/2012	PASS
7.0	Duty Cycle Determination (FCC 15A - 15.35(c))	06/27/2012	PASS
8.0	Radiated Emissions (FCC 15C - 15.231(b))	06/04/2012	PASS
9.0	Bandwidth Requirements (FCC 15C - 15.231(c))	06/29/2012	PASS
NA	Conducted emissions on AC power lines (Conducted Emissions) was waived due to		

3.0 Description of Equipment Under Test

Equipment Under Test						
Description Manufacturer Model Number Serial Number						
Hand Held RemoteHunter FanG01764N/A						

EUT receive date:	05-31-2012
EUT receive condition:	Good

Description of EUT provided by Client:

The EUT was a hand held wireless transmitter used for remote control of a ceiling fan and light assembly..

Description of EUT exercising:

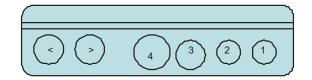
During testing, the device was powered from a new internal CR2032 battery and configured to transmit continuously.

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:



Block Diagram

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

Data:

	EUT Cabling						
	Connection						
ID	Description	Length	Shielding	Ferrites	From	То	
	None						

Support Equipment						
Description Manufacturer Model Number Serial Number						
None						

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.

exclusions from standards

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

None

Data:

	Hunter Fan Company
Applicant	7130 Goodlett Parkway, Suite 400
	Memphis, TN 38016
Trade Name & Model No.	G01764
FCC Identifier	IN2TX35
Frequency Range (MHz)	433.9
Antenna Type (15.203)	Integral
	Ansen Electronics Company
	Chen Tung Industrial Zone
Manufacturer name & address	Ning Tau Administrative District
	Qiao Tau Zhen
	DONGGUAN
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	

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.

Results: The sample tested was found to Comply.

Plot:

🔆 Agile	ent 04	4:59:38	Jun 27, 2	012						
Ref20	dBm		#A	tten 0 dE	3					215.2 ms 33.63 dB
Peak 🍫 Log ^{1 R}	m									
10 dB/										
W1 S2 S3 VS_	-	ulenjelaa, fe skreve	walnum	nalutud Haamaa	and the hast and the	wannadaya	مراجع روان روان المراجع	Hoto, and the Albert	awerd dates and	n mar marken and
AA –										
Center 4 Res BW 1				l	'BW 100 k	(Hz		Swee	s) 10 p 5 s (10	pan 0 Hz 000 pts)

5 Second Deactivation Plot

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

Data:

15.231(a)	Response	Requirement
Frequency Range (Mhz, max)	433.9	40.66-40.70 MHz and > 70MHz
Frequency Range (MHz, min)	433.9	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 (5 second sweep)	Present	

15.231(a)(2)

Automatically operated?	No	
Deactivates within 5 seconds?	N/A	
Show plot (10 second sweep)	N/A	

15.231(a)(3)

Periodically transmits at predetermined intervals? No	Allowed, with restrictions

Method:

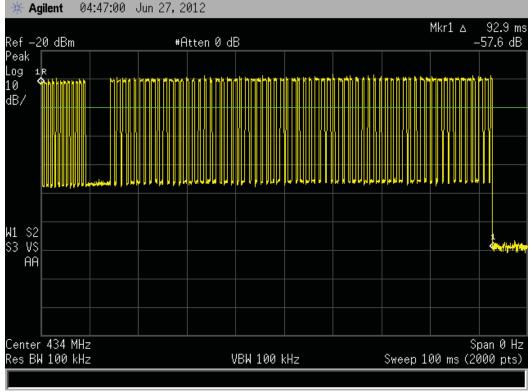
(c) Unless otherwise specified, e.g. §15.255(b), when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, 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.

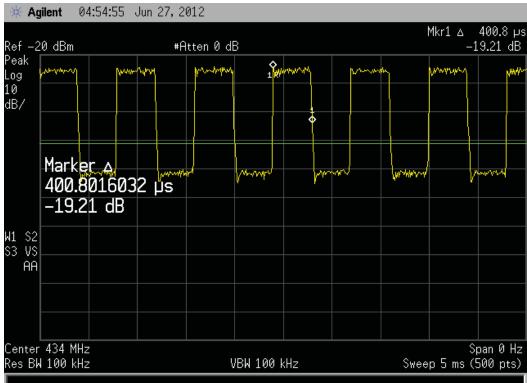
Use the Duty Cycle Correction Factor, DCCF, from the results table and use it to adjust the field strength measurements recorded for radiated emissions.



Plot:

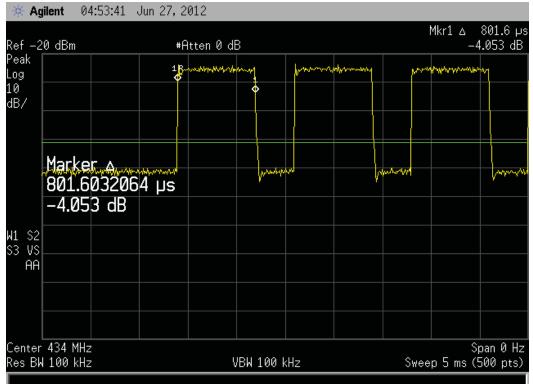
100ms Plot





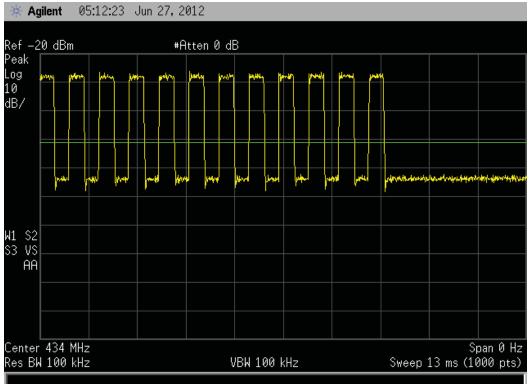
Narrow Pulse Width

Plot:



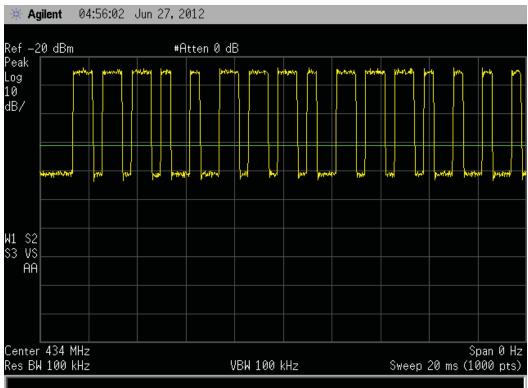
Wide Pulse Width

Plot:



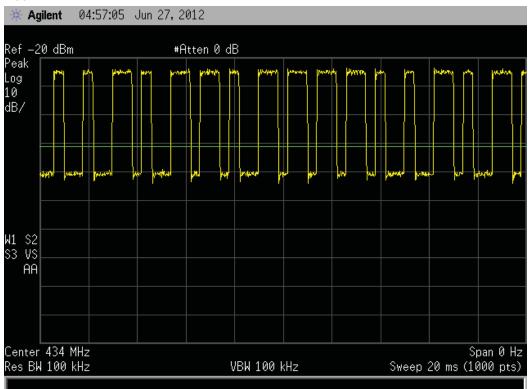
Pulse Train - 0-13ms





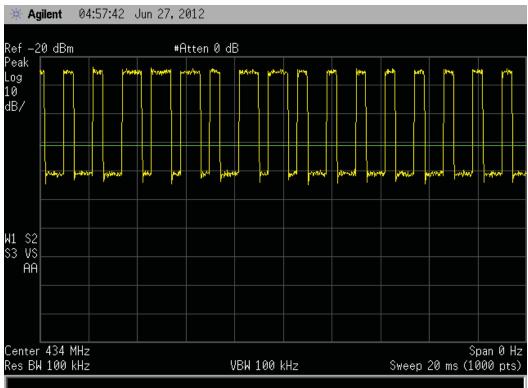
Pulse Train - 13-33ms





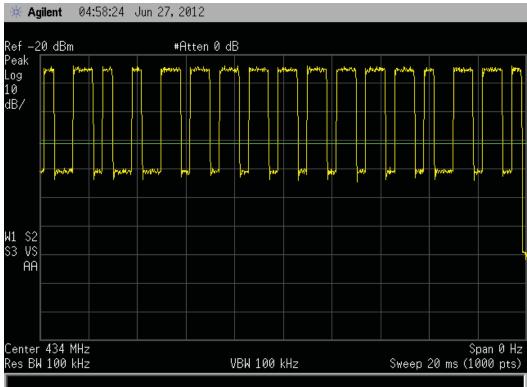
Pulse Train - 33-53ms





Pulse Train - 53-73ms





Pulse Train - 73-93ms

Data:

Duration of Pulse Train, T (mSec):93Averaging Interval, A_I (mSec):93Number of different Pulses, N:2

	Number	Pulse Width, mSec	Product
	(#P _x)	(PW _x)	(#P _x)*(PW _x)
Pulse Width 1	43	0.401	17.243
Pulse Width 2	35	0.802	28.07
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:	0.487236559
Duty Cycle Correction Factor, dB:	-6.2

 $T_{on} = (PW_1 * \#P)_1 + (PW_2 * \#P_2) + \dots + (PW_n * \#P_n)$ 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.

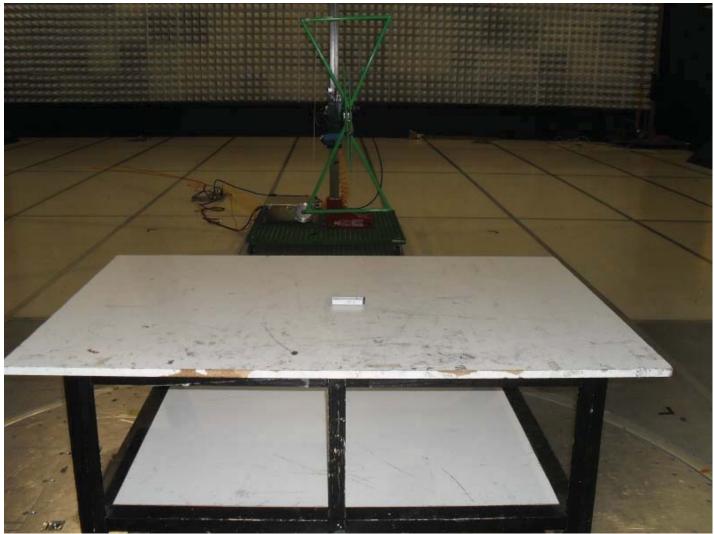
The Peak value of the Field Strength was measured. The Average value was obtained from the Peak by subtracting the Duty Cycle Correction Factor or by using an average detector.

Test Equipment Used:

Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Antenna, BiLog, 20-2000MHz	Chase	CBL6112B	211386	10/25/2011	10/25/2012
Cable MP3, 18 GHz, N, 10m	Megaphase	G919-NKNK-394	MP3	05/07/2012	05/07/2013
Cable, 7 meters, 1-18GHz	Storm Products Co.	PR90-195-7MTR	ST-3	09/07/2011	09/07/2012
Cable, N-N 3 meters, 18GHz	Megaphase	TM18 NKNK 118	E203	05/07/2012	05/07/2013
Cable, N-N, 3 meters, 18GHz	Megaphase	TM18-NKNK-118	E206	05/07/2012	05/07/2013
EMI Receiver	Hewlett Packard	8546A	213109	12/29/2011	12/29/2012
EMI Receiver, Preselector section	Hewlett Packard	85460A	213108	12/29/2011	12/29/2012
Excel spreadsheet for radiated emissions	Software	Excel - RE Worksh	SW004	12/08/2011	12/08/2012
Preamplifier, 10 MHz to 2000 MHz, 27 dB gain	Mini-Circuits	ZKL-2	200074	03/20/2012	03/20/2013
Tile - software profile for radiated and conducted emissions testing.	Software	Tile - Emissions	SW006	12/08/2011	12/08/2012

Results: The sample tested was found to Comply.

Photo:



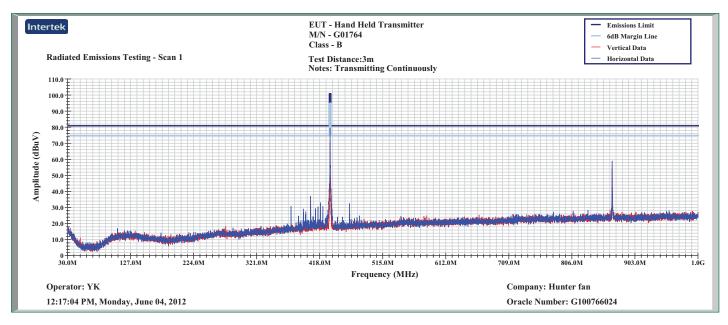
Test Setup

Photo:



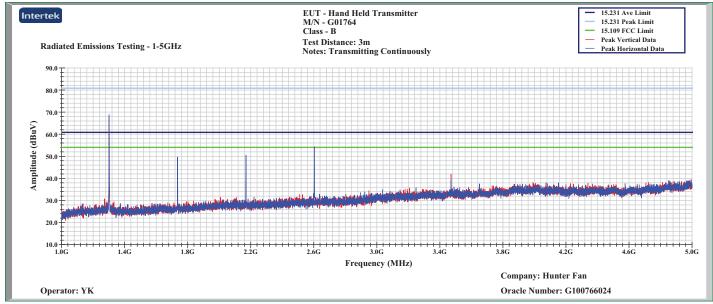
Test Setup

Plot:



Peak Plot - 30-1000MHz

Plot:



Peak Plot - 1-5GHz

Data:

Frequency Range (MHz): 30~1000 Input power: DCV Battrey Limit: 15_231 Avg Limit at 434MHz-3m Test Distance (m): 3

Modifications for compliance (y/n): N

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	433.500	88.9	16.8	3.7	36.4	0.0	73.0	100.8	-27.8	X / Pk
V	433.500	88.9	16.8	3.7	36.4	5.2	67.8	80.8	-13.0	X / Pk
Н	433.500	94.2	17.1	3.7	36.4	0.0	78.6	100.8	-22.2	X / Pk
Н	433.500	94.2	17.1	3.7	36.4	5.2	73.4	80.8	-7.4	X / Pk
V	433.500	93.8	16.8	3.7	36.4	0.0	77.9	100.8	-22.9	Y/Pk
V	433.500	93.8	16.8	3.7	36.4	5.2	72.7	80.8	-8.1	Y/Pk
Н	433.500	94.6	17.1	3.7	36.4	0.0	79.0	100.8	-21.8	Y/Pk
Н	433.500	94.6	17.1	3.7	36.4	5.2	73.8	80.8	-7.0	Y/Pk
V	433.500	92.2	16.8	3.7	36.4	0.0	76.3	100.8	-24.5	Z / Pk
V	433.500	92.2	16.8	3.7	36.4	5.2	71.1	80.8	-9.7	Z / Pk
Н	433.500	93.2	17.1	3.7	36.4	0.0	77.6	100.8	-23.2	Z / Pk
Н	433.500	93.2	17.1	3.7	36.4	5.2	72.4	80.8	-8.4	Z / Pk
Calcu	lations	G=C+	D+E-F	I=0	Э-Н					

Tabular Data - Fundamental

Data:

	Date: 06-07-2012 Limit: 15_231 Avg Limit at 434MHz-3m								4MHz-3m		
	iency Range (MHz): 1000 ~5000 Test Distance (m): 3										
]	Input power:			Modifications for compliance (y/n): N							
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	867.900	53.4	23.9	2.3	37.5	0.0	42.1	80.8	-38.7	X / Pk	
V	867.900	53.4	23.9	2.3	37.5	6.1	36.0	60.8	-24.8	X / Pk	
Н	867.900	58.0	24.2	2.3	37.5	0.0	47.1	80.8	-33.7	X / Pk	
Н	867.900	58.0	24.2	2.3	37.5	6.1	41.0	60.8	-19.8	X / Pk	
V	867.900	55.8	23.9	2.3	37.5	0.0	44.5	80.8	-36.3	Y/Pk	
V	867.900	55.8	23.9	2.3	37.5	6.1	38.4	60.8	-22.4	Y/Pk	
Н	867.900	51.7	24.2	2.3	37.5	0.0	40.8	80.8	-40.0	Y/Pk	
Н	867.900	51.7	24.2	2.3	37.5	6.1	34.7	60.8	-26.1	Y/Pk	
V	867.900	51.2	23.9	2.3	37.5	0.0	39.9	80.8	-40.9	Z / Pk	
V	867.900	51.2	23.9	2.3	37.5	6.1	33.8	60.8	-27.0	Z / Pk	
Н	867.900	55.0	24.2	2.3	37.5	0.0	44.1	80.8	-36.7	Z / Pk	
Н	867.900	55.0	24.2	2.3	37.5	6.1	38.0	60.8	-22.8	Z / Pk	
V	1301.800	74.8	25.7	2.9	37.2	0.0	66.2	80.8	-14.6	X / Pk	
V	1301.800	74.8	25.7	2.9	37.2	6.1	60.1	60.8	-0.7	X / Pk	
Н	1301.800	75.2	25.6	2.9	37.2	0.0	66.5	80.8	-14.3	X / Pk	
Н	1301.800	75.2	25.6	2.9	37.2	6.1	60.4	60.8	-0.4	X / Pk	
V	1301.800	75.0	25.7	2.9	37.2	0.0	66.4	80.8	-14.4	Y/Pk	
V	1301.800	75.0	25.7	2.9	37.2	6.1	60.3	60.8	-0.5	Y/Pk	
Н	1301.800	75.1	25.6	2.9	37.2	0.0	66.4	80.8	-14.4	Y/Pk	
Н	1301.800	75.1	25.6	2.9	37.2	6.1	60.3	60.8	-0.5	Y/Pk	
V	1301.800	71.2	25.7	2.9	37.2	0.0	62.6	80.8	-18.2	Z / Pk	
V	1301.800	71.2	25.7	2.9	37.2	6.1	56.5	60.8	-4.3	Z / Pk	
Н	1301.800	74.9	25.6	2.9	37.2	0.0	66.2	80.8	-14.6	Z / Pk	
Н	1301.800	74.9	25.6	2.9	37.2	6.1	60.1	60.8	-0.7	Z / Pk	
V	1735.600	58.2	26.1	2.9	37.5	0.0	49.6	80.8	-31.2	X / Pk	
V	1735.600	58.2	26.1	2.9	37.5	6.1	43.5	60.8	-17.3	X / Pk	
Н	1735.600	57.0	26.0	2.9	37.5	0.0	48.4	80.8	-32.4	X / Pk	
Н	1735.600	57.0	26.0	2.9	37.5	6.1	42.3	60.8	-18.5	X / Pk	
V	1735.600	58.2	26.1	2.9	37.5	0.0	49.6	80.8	-31.2	Y/Pk	
V	1735.600	58.2	26.1	2.9	37.5	6.1	43.5	60.8	-17.3	Y/Pk	
Н	1735.600	57.8	26.0	2.9	37.5	0.0	49.2	80.8	-31.6	Y/Pk	
Н	1735.600	57.8	26.0	2.9	37.5	6.1	43.1	60.8	-17.7	Y/Pk	
V	1735.600	54.8	26.1	2.9	37.5	0.0	46.2	80.8	-34.6	Z / Pk	
V	1735.600	54.8	26.1	2.9	37.5	6.1	40.1	60.8	-20.7	Z / Pk	
Н	1735.600	62.1	26.0	2.9	37.5	0.0	53.5	80.8	-27.3	Z / Pk	
Н	1735.600	62.1	26.0	2.9	37.5	6.1	47.4	60.8	-13.4	Z / Pk	
Calcu	lations	G=C+	D+E-F	I=	G-H						

Tabular Data - Harmonics 2-4

Data:

au	A.											
		Date: 06-07-2012							15_231 Avg	g Limit at 434	4MHz-3m	
Fr	equency Ra	ange (MHz):	$1000{\sim}5000$				Test Di	stance (m):	3			
]	Input power:	DCV Battre	у								
	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	2169.600	57.4	27.8	3.3	37.5	0.0	51.0	80.8	-29.8	X / Pk	
	V	2169.600	57.4	27.8	3.3	37.5	6.1	44.9	60.8	-15.9	X / Pk	
[Н	2169.600	50.1	27.7	3.3	37.5	0.0	43.6	80.8	-37.2	X / Pk	
[Н	2169.600	50.1	27.7	3.3	37.5	6.1	37.5	60.8	-23.3	X / Pk	
[V	2169.600	53.9	27.8	3.3	37.5	0.0	47.5	80.8	-33.3	Y/Pk	
[V	2169.600	53.9	27.8	3.3	37.5	6.1	41.4	60.8	-19.4	Y / Pk	
	Н	2169.600	54.8	27.7	3.3	37.5	0.0	48.3	80.8	-32.5	Y/Pk	
	Н	2169.600	54.8	27.7	3.3	37.5	6.1	42.2	60.8	-18.6	Y/Pk	
	V	2169.600	54.1	27.8	3.3	37.5	0.0	47.7	80.8	-33.1	Z / Pk	
	V	2169.600	54.1	27.8	3.3	37.5	6.1	41.6	60.8	-19.2	Z / Pk	
	Η	2169.600	58.1	27.7	3.3	37.5	0.0	51.6	80.8	-29.2	Z / Pk	
	Η	2169.600	58.1	27.7	3.3	37.5	6.1	45.5	60.8	-15.3	Z / Pk	
	V	2603.500	55.2	28.8	3.3	37.7	0.0	49.6	80.8	-31.2	X / Pk	
	V	2603.500	55.2	28.8	3.3	37.7	6.1	43.5	60.8	-17.3	X / Pk	
	Н	2603.500	54.3	28.9	3.3	37.7	0.0	48.8	80.8	-32.0	X / Pk	
	Η	2603.500	54.3	28.9	3.3	37.7	6.1	42.7	60.8	-18.1	X / Pk	
	V	2603.500	54.8	28.8	3.3	37.7	0.0	49.2	80.8	-31.6	Y/Pk	
	V	2603.500	54.8	28.8	3.3	37.7	6.1	43.1	60.8	-17.7	Y/Pk	
	Н	2603.500	51.0	28.9	3.3	37.7	0.0	45.5	80.8	-35.3	Y/Pk	
	Н	2603.500	51.0	28.9	3.3	37.7	6.1	39.4	60.8	-21.4	Y/Pk	
	V	2603.500	48.2	28.8	3.3	37.7	0.0	42.6	80.8	-38.2	Z / Pk	
[V	2603.500	48.2	28.8	3.3	37.7	6.1	36.5	60.8	-24.3	Z / Pk	
	Н	2603.500	64.2	28.9	3.3	37.7	0.0	58.7	80.8	-22.1	Z / Pk	
	Н	2603.500	64.2	28.9	3.3	37.7	6.1	52.6	60.8	-8.2	Z / Pk	
	Calcu	lations	G=C+	D+E-F	I=C	G-H						

Tabular Data - Harmonics 5-6

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.

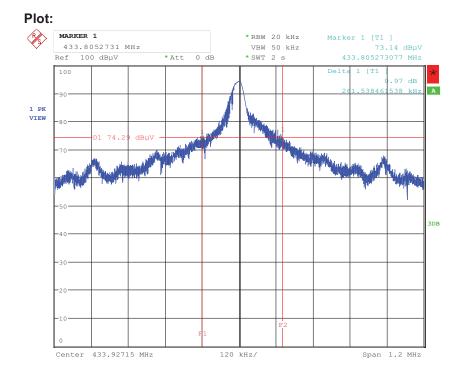
- Resolution Bandwidth is set to approximately 1% of the emission bandwidth.

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

Test Equipment Used:

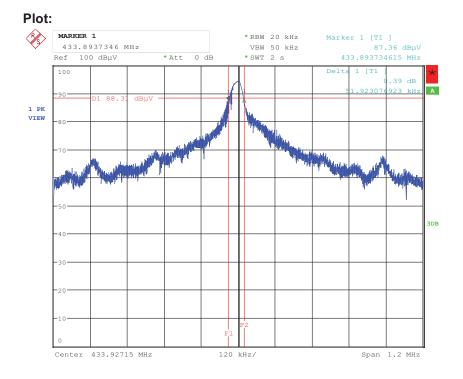
Description:	Manufacturer:	Model:	Asset Number:	Cal Date:	Cal Due:
Spectrum Analyzer, 20Hz-40GHz	Rohde & Schwarz	FSU 50	Rental	12/07/2011	12/07/2012

Results: The sample tested was found to Comply.



Date: 29.JUN.2012 05:04:26

20dB Bandwidth



Date: 29.JUN.2012 05:06:20

6dB Bandwidth

Data:

Fundamental	Measured	Measured	Bandwidth
Frequency	6dB Bandwidth	20dB Bandwidth	Limit
MHz	MHz	MHz	MHz
434	0.052	0.262	1.085

Suggested Instrument Settings						
RBW (kHz):						
VBW (kHz):	33					
Span (MHz):	1.085					
Sweep time (s):	>1					