

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT AND INDUSTRY CANADA RSS 210

OF

Product Name: TRANSMITTER

Brand Name: N/A

Model Name: RCS-433CTG

Model Differences: N/A

IC Number: 5983A-T433CTG

ID Number: TG6T433CTG

Report No.: ER/2005/70024

Issue Date: Aug. 10, 2005

FCC Rule Part: FCC §15.231, RSS 210, Section 6.1.1

Prepared for Remote Control Solutions, LLC
4862 E. Baseline Rd. Suite 104 Mesa, AZ
85206

Prepared by SGS Taiwan Ltd.
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VERIFICATION OF COMPLIANCE

Applicant: Remote Control Solutions, LLC
4862 E. Baseline Rd. Suite 104 Mesa, AZ 85206

Product Description: TRANSMITTER

FCC ID Number: TG6T433CTG
IC Number: 5983A-T433CTG

Brand Name: N/A

Model No.: RCS-433CTG

Model Difference: N/A

File Number: ER/2005/70024~25

Date of test: Jul. 27, 2005 ~ Aug. 01, 2005

Date of EUT received: Jul. 26, 2005

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.231 and IC RSS 210 section 6.1.1.

The test results of this report relate only to the tested sample identified in this report.

Test By:		Date	Aug. 25, 2005
	Alex Hsieh		
Prepared By:		Date	Aug. 25, 2005
	Eva Kao		
Approved By		Date	Aug. 25, 2005
	Vincent Su		

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Version

Version No.	Date
00	Aug. 10, 2005
01	Aug. 25, 2005

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1. GENERAL INFORMATION

1.1 Product Description

The Remote Control Solutions, LLC, Model: RCS-433CTG (referred to as the EUT in this report) is a Transmitter of car alarm system.

A major technical descriptions of EUT is described as following:

- A). Operation Frequency: 433.92 MHz
- B). Modulation: AM/ASK Modulation
- C). Antenna Designation: Non-User Replaceable (Fixed)
- D). Power Supply: 12 Vdc from battery.

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: TG6T433CTG filing to comply with Section 15.231 of the FCC Part 15, Subpart C Rules. IC: 5983A-T433CTG, filling to comply with section 6.1.1 of RSS 210. The composite system (receiver) is compliance with FCC Subpart B is authorized under a DoC procedure.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the address of SGS Taiwan Ltd. No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003 and CISPR 22/EN 55022 requirements. Site No. 1(3 &10 meters) Registration Number: 94644, Anechoic chamber (3 meters) Registration Number: 573967

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

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2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The Transmitter was operated in the normal operating mode. the Tx frequency was fixed which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions (Not apply in the report)

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13.1.4.1 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 8 and 13 of ANSI C63.4-2003.

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2.4 Limitation

(1) Conducted Emission (Not applicable in this report)

According to section 15.207(a) Conducted Emission Limits is as following.

Frequency range MHz	Limits dB (uV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Note		
1. The lower limit shall apply at the transition frequencies		
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

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(2) Radiated Emission

According to 15.231(b), the field strength of emissions from Intentional Radiators operated under this section shall not exceed the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental		Field Strength of Spurious	
	(dBuV/m)	(uV/m)	(dBuV/m)	(uV/m)
40.66 - 40.70	67.04	2,250	40	100
70 - 130	61.94	1,250	34	50
130 - 174	* 61.94 - 71.48	* 1,250 - 3,750	* 34 - 43.5	* 50 to 150
174 - 260	71.48	3,750	43.5	150
260 - 470	* 71.48 - 81.94	* 3,750 - 12,500	* 43.5 - 54	* 150 to 500
above 470	81.94	12,500	74	500

- Remark:
1. Emission level in dBuV/m = $20 \log(uV/m)$
 2. Measurement was performed at an antenna to the closed point of EUT distance of 3 meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of § 15.205
 4. Emission spurious frequency which appearing within the Restricted Bands specified in provision of § 15.205, then the general radiated emission limits in § 15.209 apply.
 5. For the band 130-174MHz, uV/m at 3meters = $56.81818(F) - 6136.3636$;
For the band 260-470MHz uV/m at 3meters = $41.6667(F) - 7083.3333$;
Where F is the frequency in MHz.
 6. $433.92MHz$ limit = $41.6667 * 433.92 - 7083.3333 = 10996.681 uV/m$
= 80.8dBuV/m

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2.5 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

**EUT
(TX)**

Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	FCC ID	Series No.	Data Cable	Power Cord
1.	N/A						

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3. Summary Of Test Results

FCC/ IC Rules	Description of Test	Result
§ 15.207	Conducted Emission	N/A
§ 15.231 § 6.1.1(b)	Radiated Emission	Compliant
§ 15.231(c) § 6.1.1(c)	20dB Bandwidth	Compliant
	Duty Cycle Test (Pulse Modulation)	N/A
§ 15.231(a)(1) § 6.1.1(a)(1)	Release Time Measurement	Compliant
	99% Bandwidth	Compliant

4. Description of test modes

The EUT has been tested under normal operating mode condition and the EUT staying in continuous transmitting mode.

The Frequency 433.92MHz is chosen for testing.

The X, Y and Z-axis of EUT were pre-test; X and Y mode were the worst case and reported.

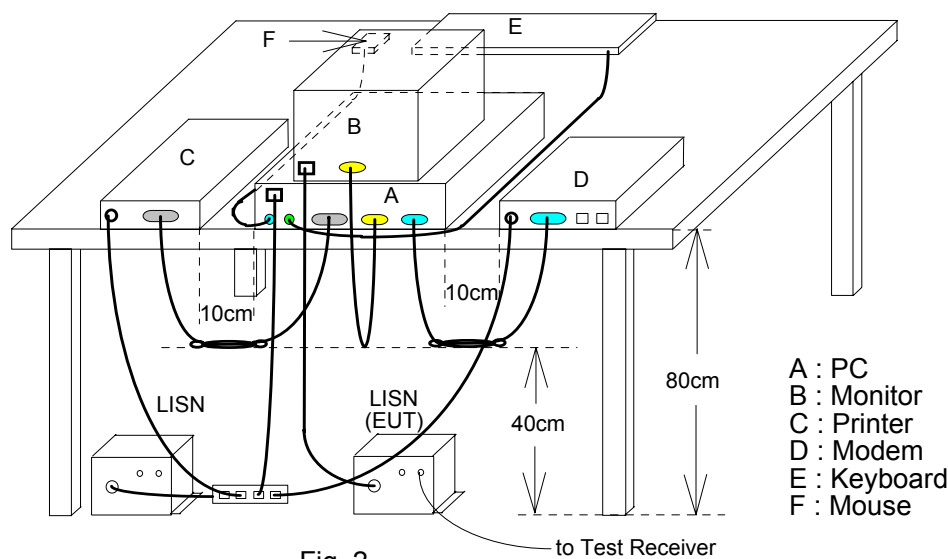
The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

5. Conducted Emissions Test (Not apply in the report)

5.1 Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMC Analyzer	HP	8594EM	3624A00203	09/02/2004	09/03/2005
EMI Test Receiver	R&S	ESCS30	828985/004	06/09/2005	06/10/2006
Transient Limiter	HP	11947A	3107A02062	09/02/2005	09/03/2006
LISN	Rolf-Heine	NNB-2/16Z	99012	12/31/2004	12/30/2005
LISN	Rolf-Heine	NNB-2/16Z	99013	12/24/2004	12/23/2005
Coaxial Cables	N/A	No. 3, 4	N/A	12/01/2004	12/01/2205

5.4 Measurement Result:

N/A

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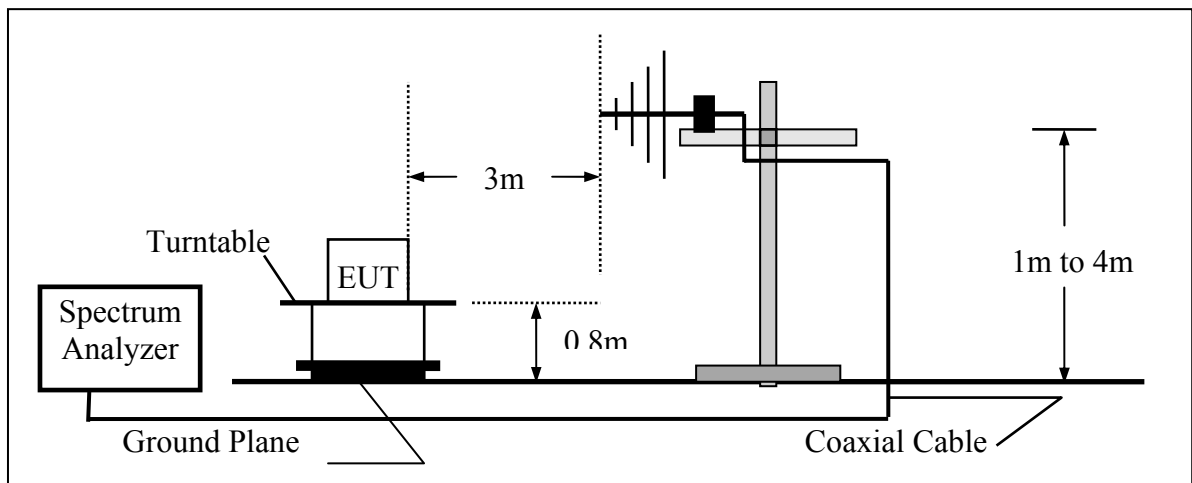
6. Radiated Emission Test

6.1 Measurement Procedure

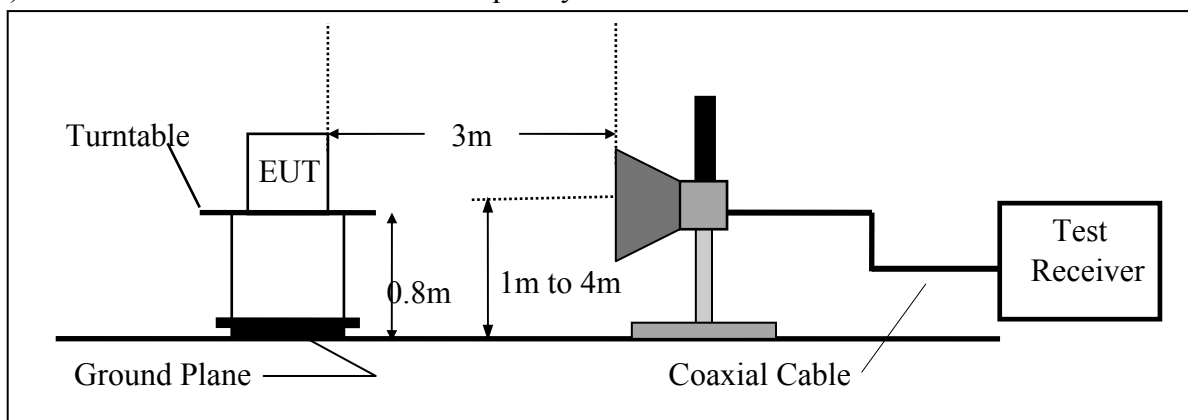
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



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6.3 Measurement Equipment Used:

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2004	11/10/2005
Spectrum Analyzer	Agilent	E4446A	MY43360126	03/29/2005	03/28/2006
Spectrum Analyzer	Agilent	E7405A	US40240202	06/28/2005	06/29/2006
Loop Antenna	MESSTEC	FLA30	03/10086	11/25/2004	11/26/2005
Bilog Antenna	SCHWAZBECK	VULB9163	152	10/10/2004	10/10/2005
Horn antenna	Schwarzbeck	BBHA 9120D	309/320	11/10/2004	11/11/2005
Horn antenna	Schwarzbeck	BBHA 9170	184/185	11/02/2004	11/02/2005
Pre-Amplifier	HP	8447D	2944A09469	07/24/2005	07/23/2006
Pre-Amplifier	HP	8494B	3008A00578	02/26/2005	02/25/2006
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	10/09/2004	10/08/2005
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	10/09/2004	10/08/2005
Site NSA	SGS	966 chamber	N/A	11/17/2004	11/16/2005

6.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Average Value = Peak Value + 20 Log (Ton/Tp) Pulse Modulation

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

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6.5 Measurement Result

Operation Mode: Transmitting Mode
Fundamental Frequency: 433.93 MHz X mode
Temperature : 25 °C
Humidity : 65 %

Test Date: Aug. 01, 2005
Test By: Alex
Pol: Vertical

			Peak	A V		Peak	A V	Peak	A V		
Freq.	F	Ant.Pol.	Reading	Reading	Ant./CL	Level	Leel	Lim it	Lim it	Margin	
(MHz)	/S	(H/V)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
433.9	F	V	81.44	--	-9.96	71.48	--	100.80	80.80	-9.32	Peak
867.9	S	V	37.55	--	-2.56	34.99	--	80.80	60.80	-25.81	Peak
1301.8	*S	V	48.18	--	-8.00	40.18	--	74.00	54.00	-13.82	Peak
1735.8	S	V	--	--	--	--	--	80.80	60.80		
2169.7	S	V	--	--	--	--	--	80.80	60.80		
2603.7	S	V	--	--	--	--	--	80.80	60.80		
3037.6	S	V	--	--	--	--	--	80.80	60.80		
3471.6	S	V	--	--	--	--	--	80.80	60.80		
3905.5	*S	V	--	--	--	--	--	74.00	54.00		
4339.5	*S	V	--	--	--	--	--	74.00	54.00		

Remark :

- (1) + F/S F : denotes Fundamental Frequency ; S : denotes Spurious Frequency
- (2) EUT Orthogonal Axes : X denotes Laid on Table ; Y denotes Vertical Stand .
- (3) Measuring frequencies from 30 MHz to the 10th harmonic of fundamental frequency of 433.92 MHz .
- (4) Dates of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) * Denotes spurious frequency, which falls within the Restricted Bands specified in provision of §15.205, then the general radiated emission limits in § 15.209 apply.
- (6) Peak Setting: 30MHz – 1000MHz, RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.
1GHz- 5GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms

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Operation Mode: Transmitting Mode
 Fundamental Frequency: 433.92 MHz X mode
 Temperature : 25 °C
 Humidity : 65 %

Test Date: Aug. 01, 2005
 Test By: Alex
 Pol: Horizontal

Freq. (MHz)	F /S	Ant. Pol. (H/V)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Peak Level (dBuV/m)	AV Leel (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
433.9	F	H	92.10	88.50	-9.96	82.14	78.54	100.80	80.80	-2.26	AV
867.9	S	H	39.21	--	-2.56	36.65	--	80.80	60.80	-24.15	Peak
1301.8	*S	H	59.97	--	-8.00	51.97	--	74.00	54.00	-2.03	Peak
1735.8	S	H	50.55	--	- 6.22	44.33	--	80.80	60.80	-16.47	Peak
2169.7	S	H	44.71	--	- 4.39	40.32	--	80.80	60.80	-20.48	Peak
2603.7	S	H	42.08	--	- 2.76	39.32	--	80.80	60.80	-21.48	Peak
3037.6	S	H	--	--	--	--	--	80.80	60.80		
3471.6	S	H	38.35	--	- 1.14	37.21	--	80.80	60.80	-23.59	Peak
3905.5	*S	H	42.88	--	0.39	43.27	--	74.00	54.00	-10.73	Peak
4339.5	*S	H	--	--	--	--	--	74.00	54.00		

Remark :

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- (2) EUT Orthogonal Axes : X denotes Laid on Table ; Y denotes Vertical Stand .
- (3) Measuring frequencies from 30 MHz to the 10th harmonic of fundamental frequency of 433.92 MHz .
- (4) Dates of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) * Denotes spurious frequency, which falls within the Restricted Bands specified in provision of §15.205, then the general radiated emission limits in § 15.209 apply.
- (6) Peak Setting: 30MHz – 1000MHz, RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.
1GHz- 5GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms

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Operation Mode: Transmitting Mode
Fundamental Frequency: 433.92 MHz Y mode
Temperature : 25 °C
Humidity : 65 %

Test Date: Aug. 01, 2005
Test By: Alex
Pol: Vertical

Freq. (MHz)	F /S	Ant.Pol. (H/V)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Peak Level (dBuV/m)	AV Leel (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
433.9	F	V	91.82	87.30	-9.96	81.86	77.34	100.80	80.80	-3.46	AV
867.9	S	V	38.03	--	-2.56	35.47	--	80.80	60.80	-25.33	Peak
1301.8	*S	V	54.96	--	-8.00	46.96	--	74.00	54.00	-7.04	Peak
1735.8	S	V	51.47	--	- 6.22	45.25	--	80.80	60.80	-15.55	Peak
2169.7	S	V	45.64	--	- 4.39	41.25	--	80.80	60.80	-19.55	Peak
2603.7	S	V	--	--	--	--	--	80.80	60.80		
3037.6	S	V	--	--	--	--	--	80.80	60.80		
3471.6	S	V	--	--	--	--	--	80.80	60.80		
3905.5	*S	V	41.28	--	0.39	41.67	--	74.00	54.00	-12.33	Peak
4339.5	*S	V	--	--	--	--	--	74.00	54.00		

Remark :

- (1) + F/S F : denotes Fundamental Frequency ; S : denotes Spurious Frequency
- (2) EUT Orthogonal Axes : X denotes Laid on Table ; Y denotes Vertical Stand .
- (3) Measuring frequencies from 30 MHz to the 10th harmonic of fundamental frequency of 433.92 MHz .
- (4) Dates of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) * Denotes spurious frequency, which falls within the Restricted Bands specified in provision of §15.205, then the general radiated emission limits in § 15.209 apply.
- (6) Peak Setting: 30MHz – 1000MHz, RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.
1GHz- 5GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms

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Operation Mode: Transmitting Mode
Fundamental Frequency: 433.92 MHz Y mode
Temperature : 25 °C
Humidity : 65 %

Test Date: Aug. 01, 2005
Test By: Alex
Pol: Horizontal

Freq. (MHz)	F /S	Ant.Pol. (H/V)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Peak Level (dBuV/m)	AV Leel (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
433.9	F	H	79.06	--	-9.96	69.10	--	100.80	80.80	-11.70	Peak
867.9	S	H	38.20	--	-2.56	35.64	--	80.80	60.80	-25.16	Peak
1301.8	*S	H	58.90	--	-8.00	50.90	--	74.00	54.00	-3.10	Peak
1735.8	S	H	--	--	- 6.22	--	--	80.80	60.80		
2169.7	S	H	46.21	--	- 4.39	41.82	--	80.80	60.80	-18.98	Peak
2603.7	S	H	42.89	--	- 2.76	40.13	--	80.80	60.80	-20.67	Peak
3037.6	S	H	42.05	--	--	--	--	80.80	60.80		
3471.6	S	H	--	--	- 1.14	--	--	80.80	60.80		
3905.5	*S	H	41.92	--	0.39	42.31	--	74.00	54.00	-11.69	Peak
4339.5	*S	H	--	--	--	--	--	74.00	54.00		

Remark :

- (1) + F/S F : denotes Fundamental Frequency ; S : denotes Spurious Frequency
- (2) EUT Orthogonal Axes : X denotes Laid on Table ; Y denotes Vertical Stand .
- (3) Measuring frequencies from 30 MHz to the 10th harmonic of fundamental frequency of 433.92 MHz .
- (4) Dates of measurement within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) * Denotes spurious frequency, which falls within the Restricted Bands specified in provision of §15.205, then the general radiated emission limits in § 15.209 apply.
- (6) Peak Setting: 30MHz – 1000MHz, RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.
1GHz- 5GHz, RBW= 1MHz, VBW= 1MHz, Sweep time= 200 ms

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7. Occupied Bandwidth

§15.231 (c) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

§6.1.1(c) The 20dB bandwidth shall be no wider than 0.25% of the centre frequency for devices operating above 70MHz and below 900 MHz.

7.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set EUT as normal operation
3. Set SPA Center Frequency = fundamental frequency, RBW, VBW= 10KHz, Span =100KHz.
4. Set SPA Max hold. Mark peak, -20dB.

7.2 Test SET-UP (Block Diagram of Configuration)

Same as 6.3 Radiated Emission Measurement.

7.3 Measurement Equipment Used:

Same as 6.3 Radiated Emission Measurement.

7.4 Measurement Results

Refer to attached data chart.

The center frequency f_c is **433.92MHz**, according to the Rules, section 15.231(C), the Bandwidth of Center Frequency at-20dB should be calculated as following:

$$433.92 \times 0.0025 = 1.0848(\text{MHz})$$

So, the Uper/Lower frequencies limit should be specified as:

$$f_{(U)} = f_c + \Delta f/2 = 433.92 + 0.5424 = 434.46(\text{MHz})$$

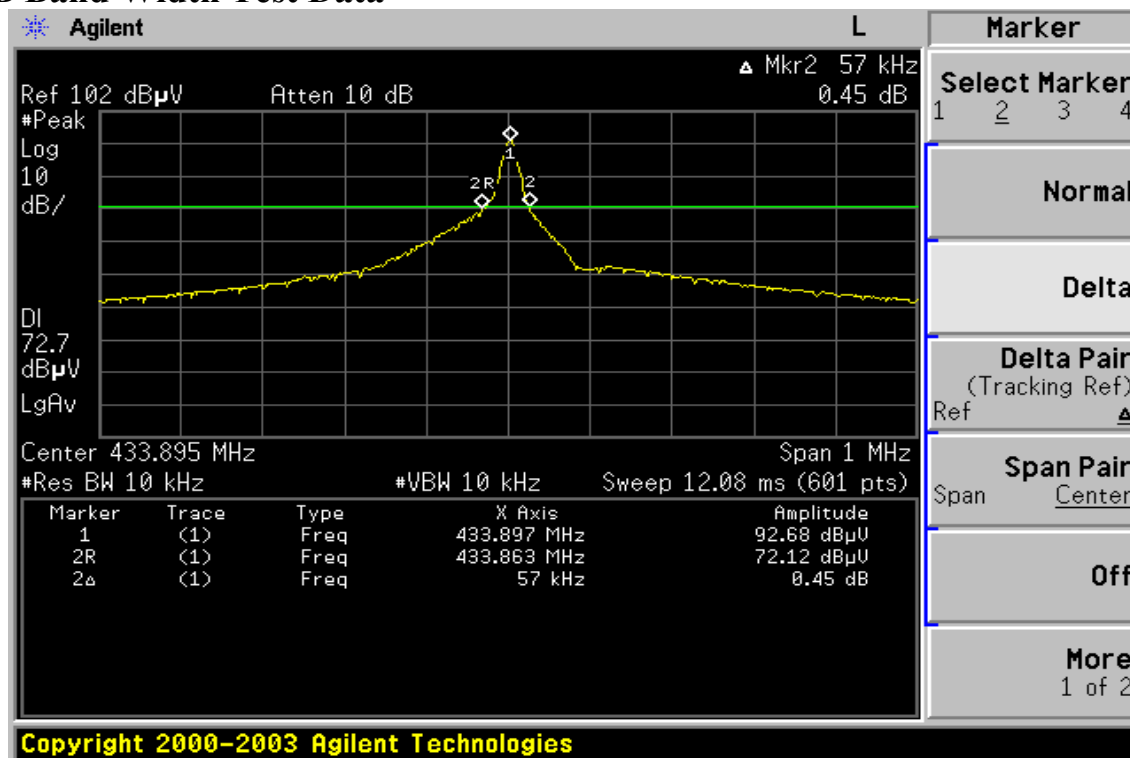
$$f_{(L)} = f_c - \Delta f/2 = 433.92 - 0.5424 = 433.377 (\text{MHz})$$

Measurement Result:

-20dB bandwidth = 57KHz within allowed frequency range.

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20dB Band Width Test Data



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8. Duty Cycle Measurement

8.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set ETU normal operating mode.
3. Set SPA Center Frequency = fundamental frequency, RBW, VBW= 100KHz, Span =0 Hz. Adjacent sweep.
4. Set SPA View. Mark delta.

8.2 Test SET-UP (Block Diagram of Configuration)

Same as 6.3 Radiated Emission Measurement.

8.3 Measurement Equipment Used:

Same as 6.3 Radiated Emission Measurement.

8.4 Measurement Results:

N/A, The device used AM/ASK Modulation.

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9. Release Time Measurement:

§15.231 (a) (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

§6.1.1(a) (1) A manually operated transmitter shall employ a push to operate switch and be under manual control at all transmission times. When recessed, the transmitter shall cease transmission (holdover time of up to 5 seconds is permitted).

9.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set SPA Center Frequency = fundamental frequency, RBW, VBW= 100KHz, Span =0Hz.
Sweep Time= 5s.
3. Set EUT as normal operation and press Transmitter bottom for 2 s,
4. Set SPA Max hold. Delta Mark.

9.2 Test SET-UP (Block Diagram of Configuration)

Same as 6.3 Radiated Emission Measurement.

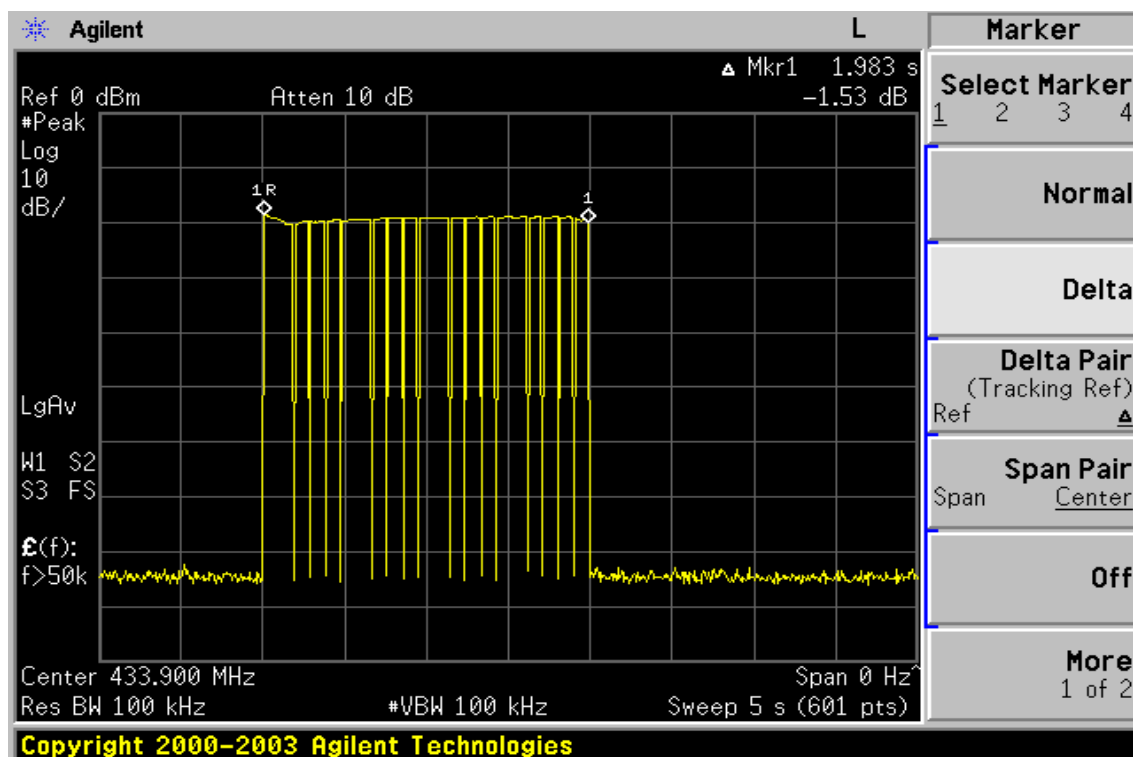
9.3 Measurement Equipment Used:

Same as 6.3 Radiated Emission Measurement.

9.4 Measurement Results

The release time less than 5 s.

Refer to attached data chart.



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10. 99% Bandwidth Measurement

10.1 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW=1% of the approximate emission bandwidth, VBW = 3 times RBW, Span= approximately 20dB below the peak level. Sweep=auto
4. Turn on the 99% bandwidth function, max reading..
5. Repeat above procedures until all frequency measured were complete.

10.2 Test SET-UP (Block Diagram of Configuration)

Same as 6.2 Radiated Emission Measurement.

10.3 Measurement Equipment Used:

Same as 6.3 Radiated Emission Measurement.

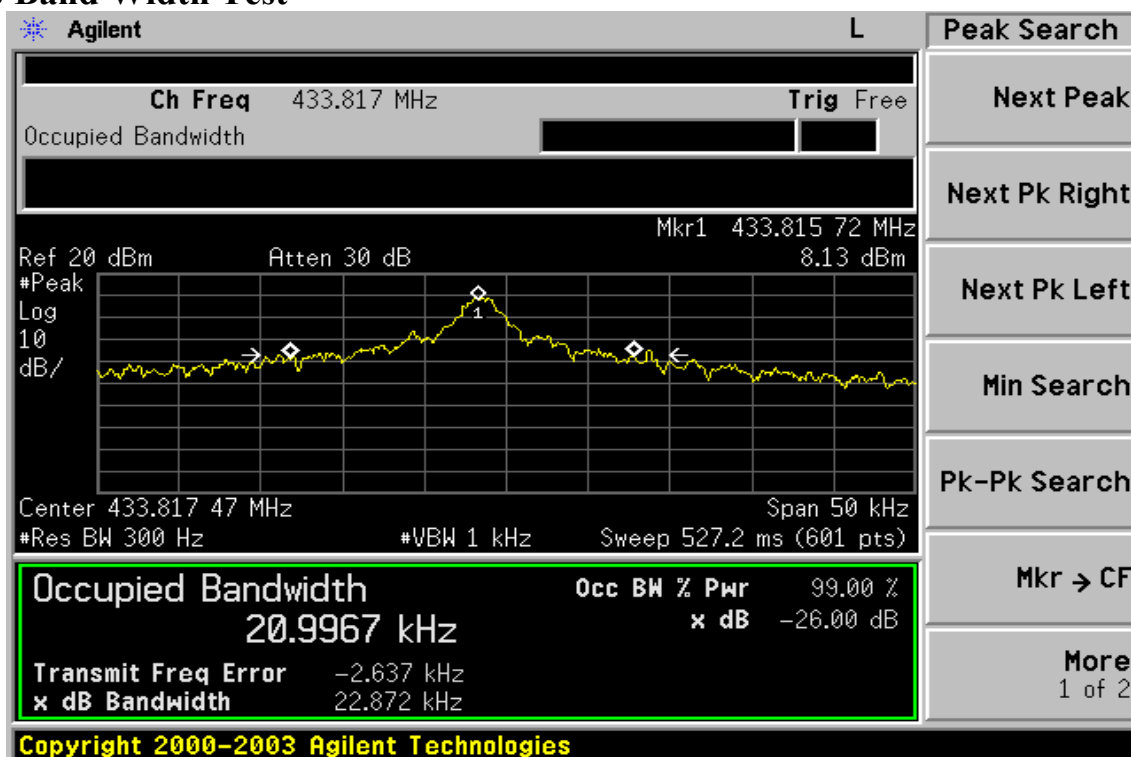
10.4 Measurement Results

The 99% Band Width = 20.996 kHz

Refer to attached data chart.

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99% Band Width Test



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