

APPLICATION FOR CERTIFICATION
On Behalf of

Entone Technologies (HK)Limited

IR+RF Remote

Model Number: RC45P

FCC ID: S4A00RC45P

Prepared for : Entone Technologies (HK)Limited
Level 23,Langham Place,8 Argyle Street,Kowloon,Hong
Kong

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
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Report Number : ACS-F10142
Date of Test : Jun.28~29, 2010
Date of Report : Jun.30, 2010

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TEST REPORT CERTIFICATION

Applicant : Entone Technologies (HK)Limited

EUT Description : IR+RF Remote

FCC ID : S4A00RC45P

(A) Model No. : RC45P

(B) Serial No. : N/A

(C) Power Supply : DC 3V

(D) Test Voltage : DC 3V

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2008

The device described above is tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits for radiated and conducted emissions.

The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed full responsibility for the accuracy and completeness of tests. Also, this report shows that EUT is technically compliant with FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test : Jun.28~29, 2010

Prepared by :

Celia Feng

Celia Feng / Assistant

Reviewer :

Jamy Yu

Jamy Yu / Senior Engineer

Approved & Authorized Signer :



Ken Lu / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Conducted Emission Test	FCC Part 15C: 15.231 ANSI C63.10: 2009	N/A
Radiated Emission Test	FCC Part 15C: 15.231 ANSI C63.10: 2009	PASS
Stop Transmitting Time Test	FCC Part 15C: 15.231	PASS
20 dB Bandwidth Test	FCC Part 15C: 15.231 ANSI C63.10: 2009	PASS
N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description	:	IR+RF Remote
Model Number	:	RC45P
Operation frequency	:	433.92MHz
Modulation	:	FSK and ASK
Power Supply	:	DC 3V (Note: New batteries were used for all test)
Applicant	:	Entone Technologies (HK)Limited Block A,19/F, Prince Industrial Building, 106 King Fuk Street, San Po Kong, Kowloon
Date of Test	:	Jun.28~29, 2010
Date of Receipt	:	Jun.26, 2010
Sample Type	:	Prototype production

2.2. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block, Shenzhen
Science & Industrial Park, Nantou,
Shenzhen, Guangdong, China

3m Anechoic Chamber : Mar.31, 2009 File on Federal
Communication Commission
Registration Number: 90454

3m & 10m Anechoic Chamber : Dec.30,2009 File on Federal
Communication Commission
Registration Number: 794232

EMC Lab. : Accredited by DATech, German
Registration Number: DAT-P-091/99-01
Feb. 02, 2009

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Apr. 01, 2010

2.3. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Radiation Emission test in 3m chamber	4.20 dB (Polarize: V)
	4.66 dB (Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	2.70 dB(Bilog antenna 30M~1000MHz)
	2.27 dB(Horn antenna 1000M~12750MHz)
Uncertainty for Conduction Spurious emission test	2.12 dB
Uncertainty for Bandwidth test	1×10^{-9}
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.3°C
	2%

3. POWER LINE CONDUCTED EMISSION TEST

According to Paragraph (f) of FCC Part 15 section 15.231, Tests to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

4. RADIATED EMISSION TEST

4.1. Test Equipment

Frequency rang: 30~1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,09	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 10	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 10	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 10	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Dec.14, 09	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 10	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 10	1 Year

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E7405A	MY45116588	May.08, 10	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 10	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 10	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 10	1 Year

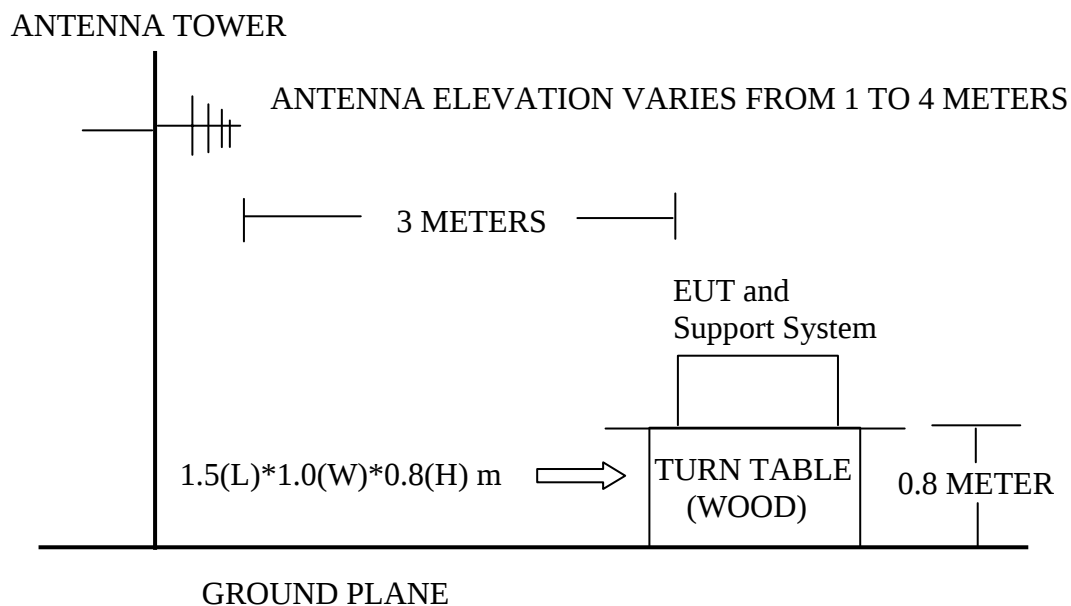
4.2. Block Diagram of Test Setup

4.2.1. Block Diagram of connection between EUT and simulators

EUT

(EUT: IR+RF Remote)

4.2.2. Anechoic Chamber Setup Diagram



4.3. Radiated Emission Limit

4.3.1. Radiated Emission Limit (15.231(b) section)

Fundamental Frequency(MHz)	Field Strength of Fundamental	Field Strength of Spurious emissions
433.92	AV:80.83 dBuV/m at 3m distance PK:100.83dBuV/m at 3m distance	AV:60.83dBuV/m at 3m distance PK:80.83dBuV/m at 3m distance

Note: The spurious emissions appearing within the frequency band listed in 15.205 Shall also comply with limits shown in section 15.209

15.209 limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. IR+RF Remote (EUT)

Model Number : RC45P
Serial Number : N/A

4.5. Operating Condition of EUT

4.5.1. Setup the EUT as shown in Section 4.2.

4.5.2. Turned on the power of all equipment.

4.5.3. Let the EUT worked in test modes (TX FSK & TX ASK) and tested it.

4.6. Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2009 on radiated emission Test.

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position as the test photo indicated.

The bandwidth of the VBW is set at 300kHz and RBW is set at 120kHz for PK measurement below 1GHz and 1MHz RBW, 3MHz VBW for PK measurement for

frequency above 1GHz

This device is pulse modulated, the duty cycle factor was use to calculate Average Level as below formula:

$$\text{Average level} = \text{PK Level} - \text{duty cycle factor}$$

The frequency range from 30MHz to 5000MHz are checked.

4.7. Radiated Emission Test Results

PASS.

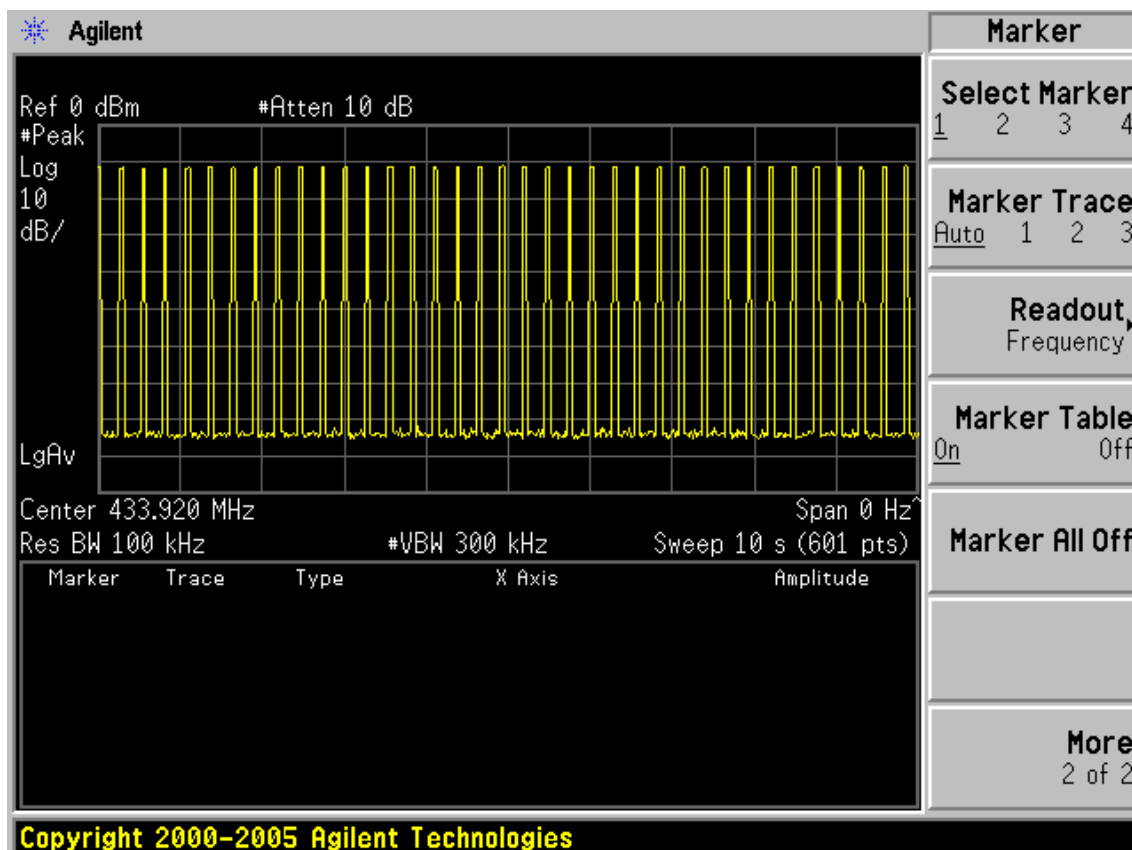
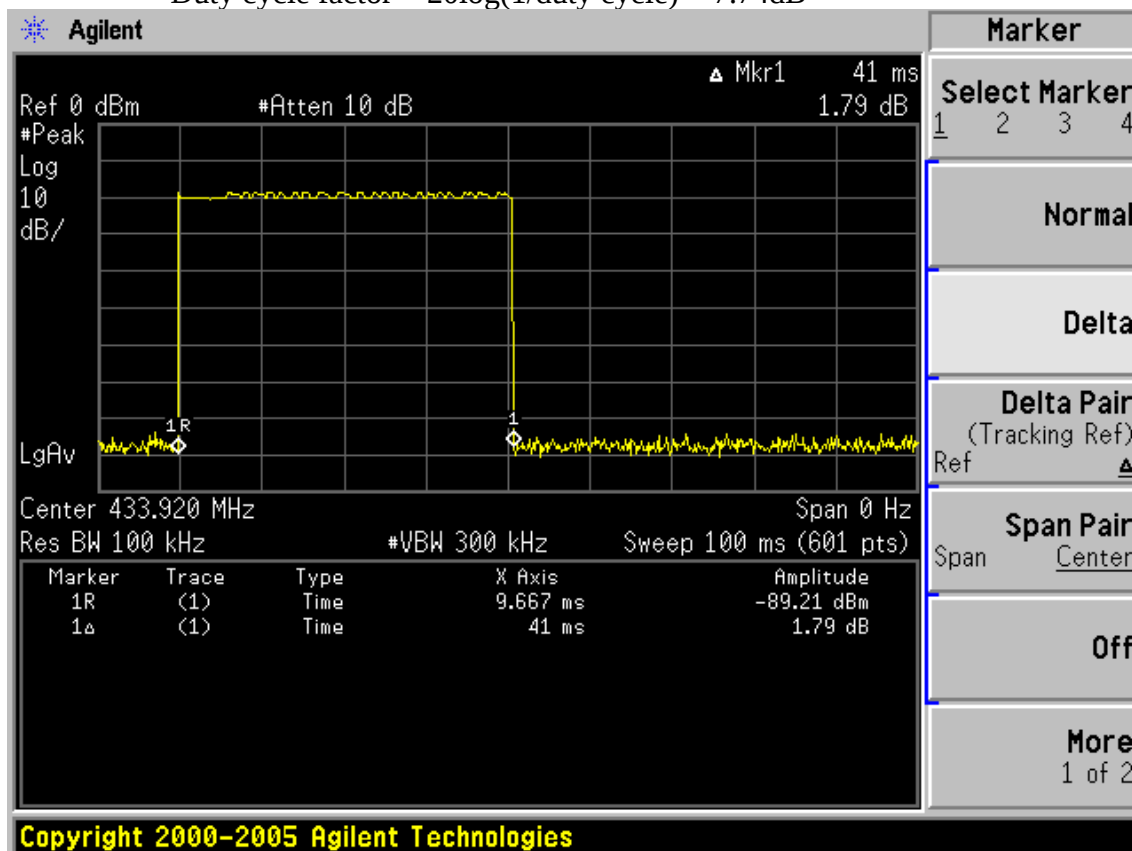
The frequency range from 30MHz to 5000MHz was investigated. When PK measured Levels comply with average limit, then the average levels were deemed to comply with Average limit. When PK measured levels exceed average limit, then the duty cycle factor of 100ms was used to calculate average level.

All the emissions comply with 15.231(b) limit, and the emissions located in restricted bands also comply with 15.209 limit.

FSK modulation duty cycle:

$$\text{Duty cycle} = (41\text{ms}/100\text{ms}) * 100\% = 41\%$$

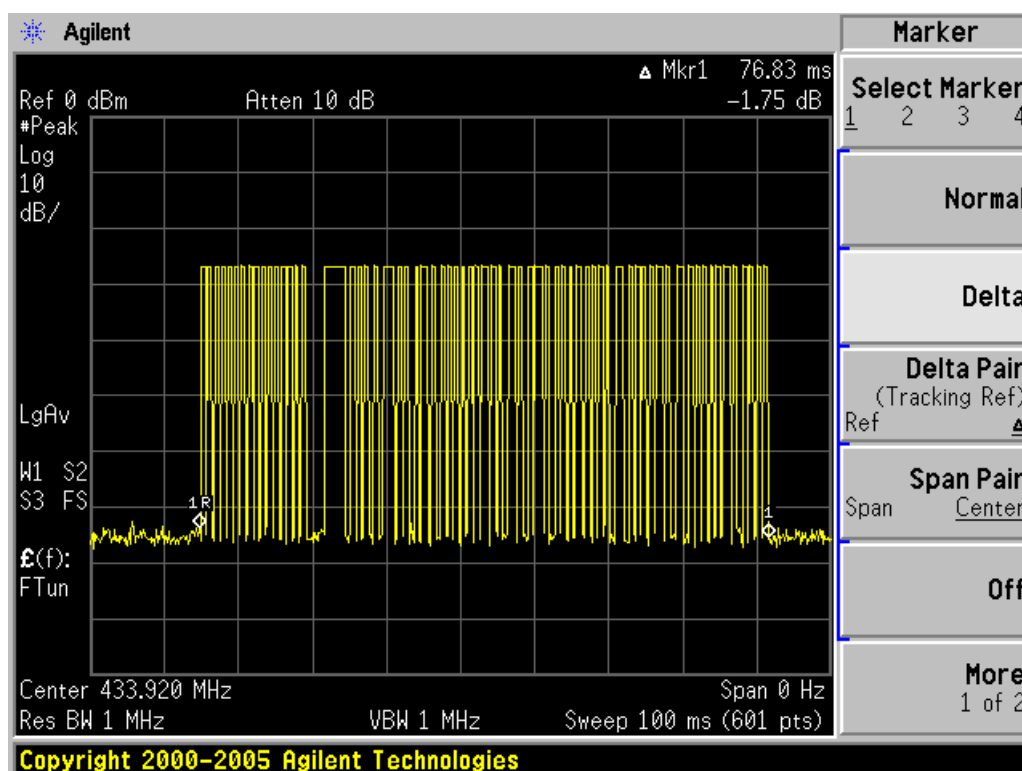
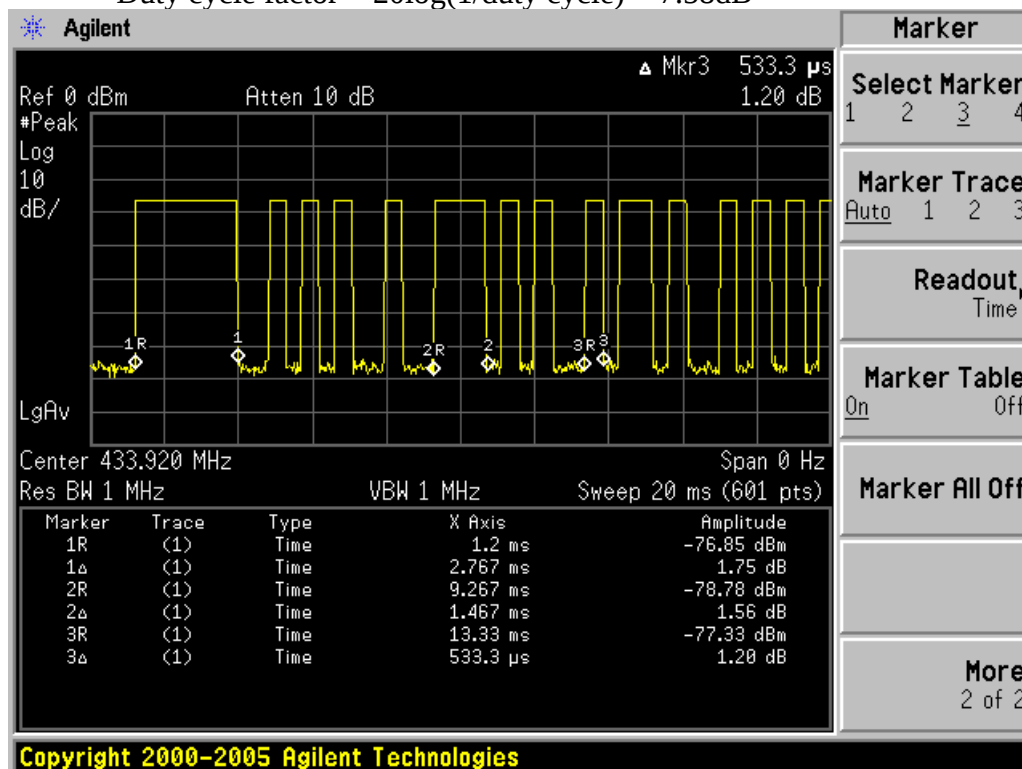
$$\text{Duty cycle factor} = 20\log(1/\text{duty cycle}) = 7.74\text{dB}$$

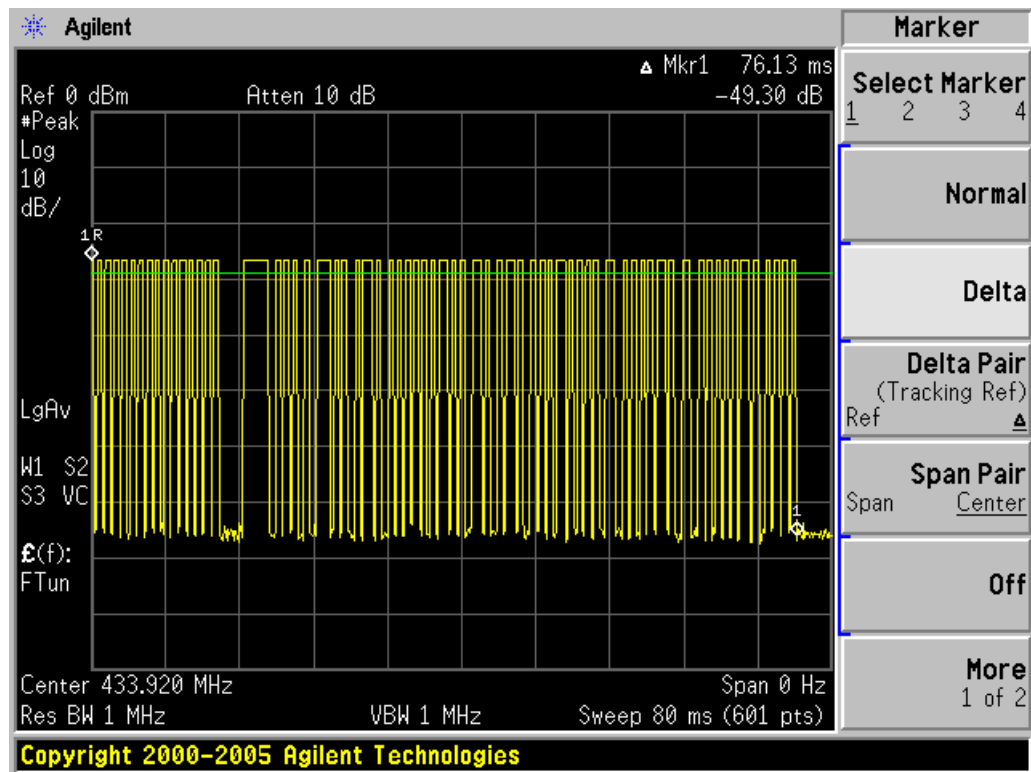


ASK modulation duty cycle:

$$\text{Duty cycle} = ((2.767 + 1.467 \times 7 + 0.533 \times 54) \text{ ms} / 100 \text{ ms}) \times 100\% = 41.8\%$$

$$\text{Duty cycle factor} = 20 \log(1 / \text{duty cycle}) = 7.58 \text{ dB}$$



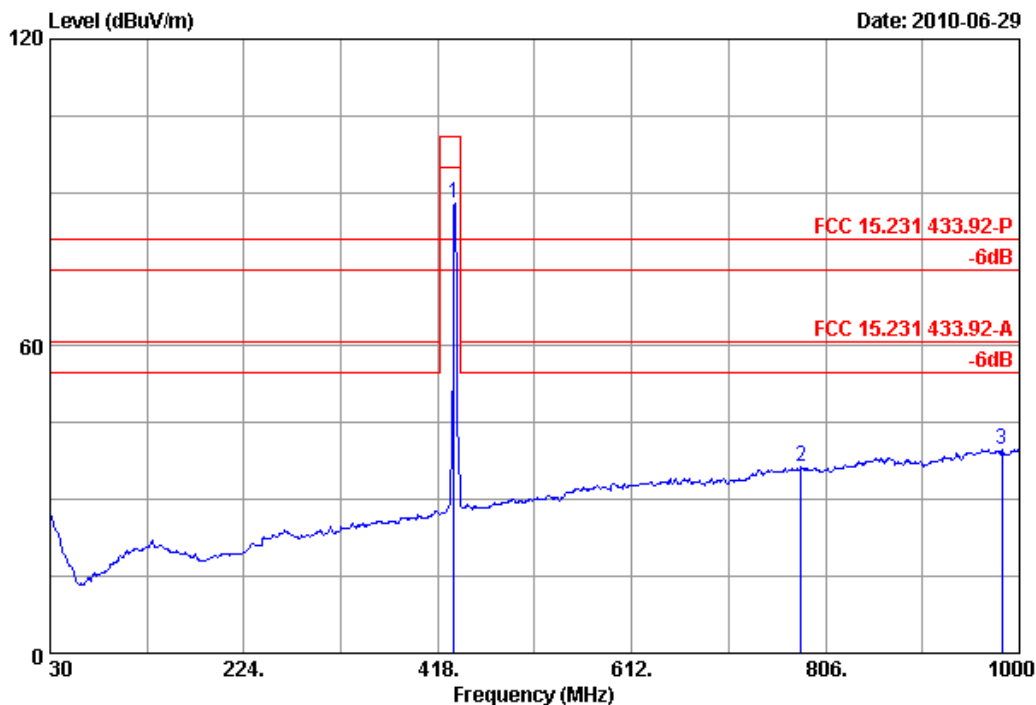




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Data: 2 File: D:\2010 Report Data\E\ENTONE\ACS10QH181-1.EM6 (4)

Date: 2010-06-29



Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL
Limit : FCC 15.231 433.92-P
Env. / Ins. : 24°C/56% Engineer : Leo-Li
EUT : IR+RF Remote M/N:RC45P
Power Rating : DC 3V
Test Mode : Tx FSK 433.92MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	433.920	17.39	3.13	64.38	83.90	100.83	16.93	Peak
2	781.750	22.10	4.83	9.42	36.35	80.83	44.48	Peak
3	982.540	23.93	5.51	10.33	39.77	80.83	41.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official
limit are not reported.

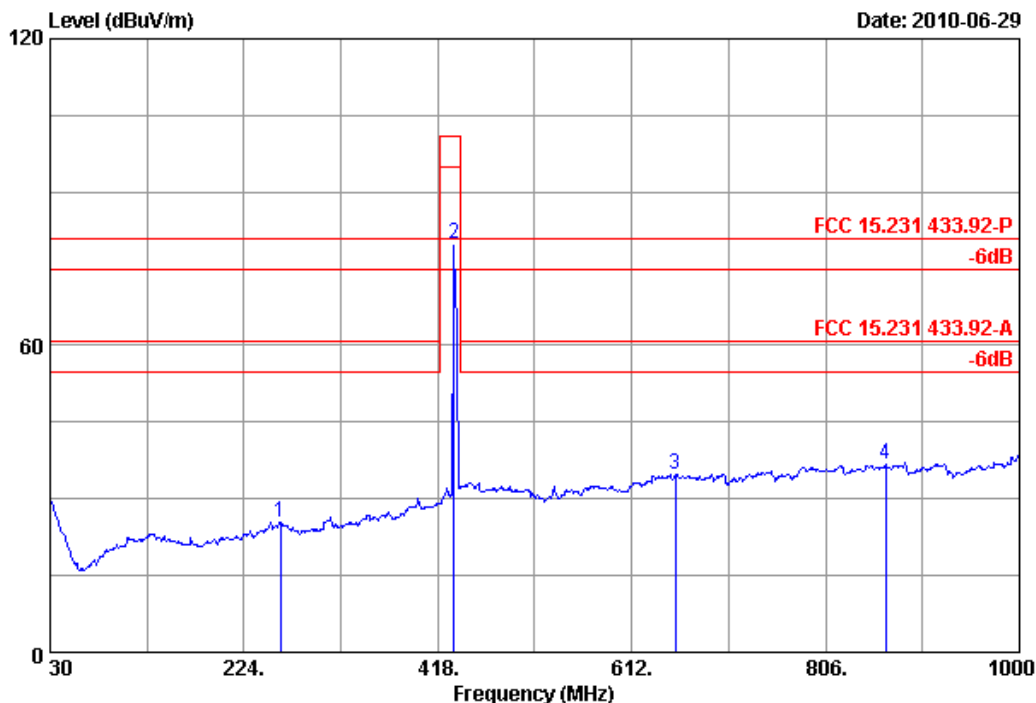
Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
433.92	83.90	7.74	76.16	80.83	PASS



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Data: 1 File: D:\2010 Report Data\E\ENTONE\ACS10QH181-1.EM6 (4)

Date: 2010-06-29



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL
Limit : FCC 15.231 433.92-P
Env. / Ins. : 24°C/56% Engineer : Leo-Li
EUT : IR+RF Remote M/N:RC45P
Power Rating : DC 3V
Test Mode : Tx FSK 433.92MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	260.860	13.80	2.24	9.47	25.51	80.83	55.32	Peak
2	433.920	17.39	3.13	59.30	79.82	100.83	21.01	Peak
3	655.650	20.52	4.33	9.97	34.82	80.83	46.01	Peak
4	866.140	22.80	5.10	8.73	36.63	80.83	44.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
433.92	79.82	7.74	72.08	80.83	PASS

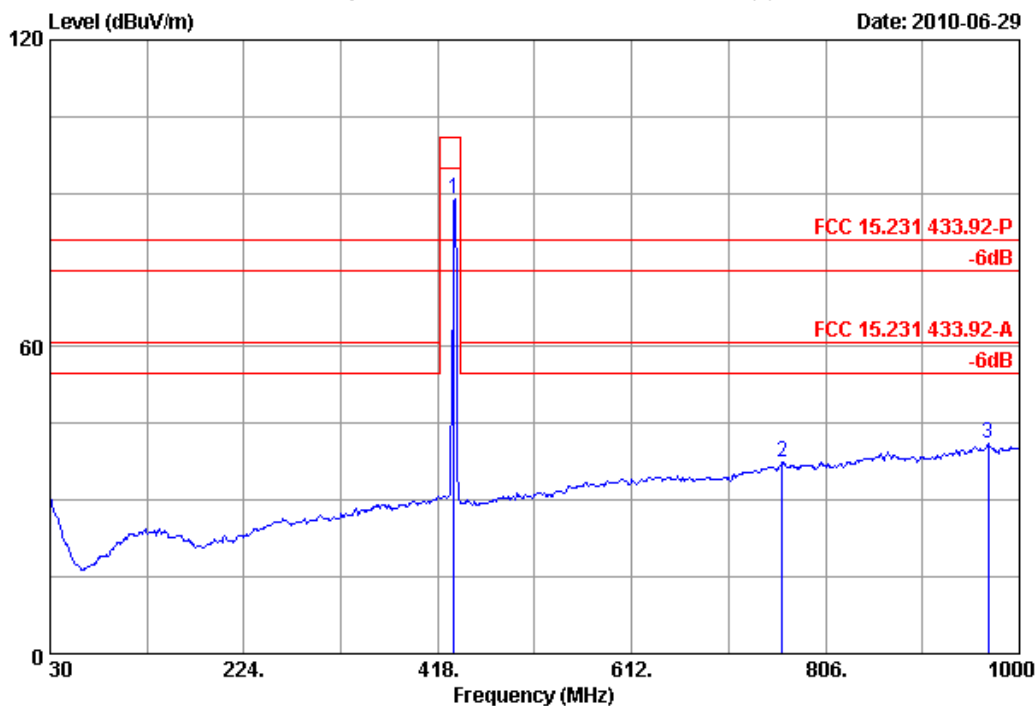


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Data: 3

File: D:\2010 Report Data\EVENTONE\ACS10QH181-1.EM6 (4)

Date: 2010-06-29



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : HORIZONTAL
Limit : FCC 15.231 433.92-P
Env. / Ins. : 24°C/56% Engineer : Leo-Li
EUT : IR+RF Remote M/N:RC45P
Power Rating : DC 3V
Test Mode : Tx ASK 433.92MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	433.920	17.39	3.13	64.25	84.77	100.83	16.06	Peak
2	762.350	22.02	4.75	10.65	37.42	80.83	43.41	Peak
3	968.960	24.22	5.46	11.37	41.05	80.83	39.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

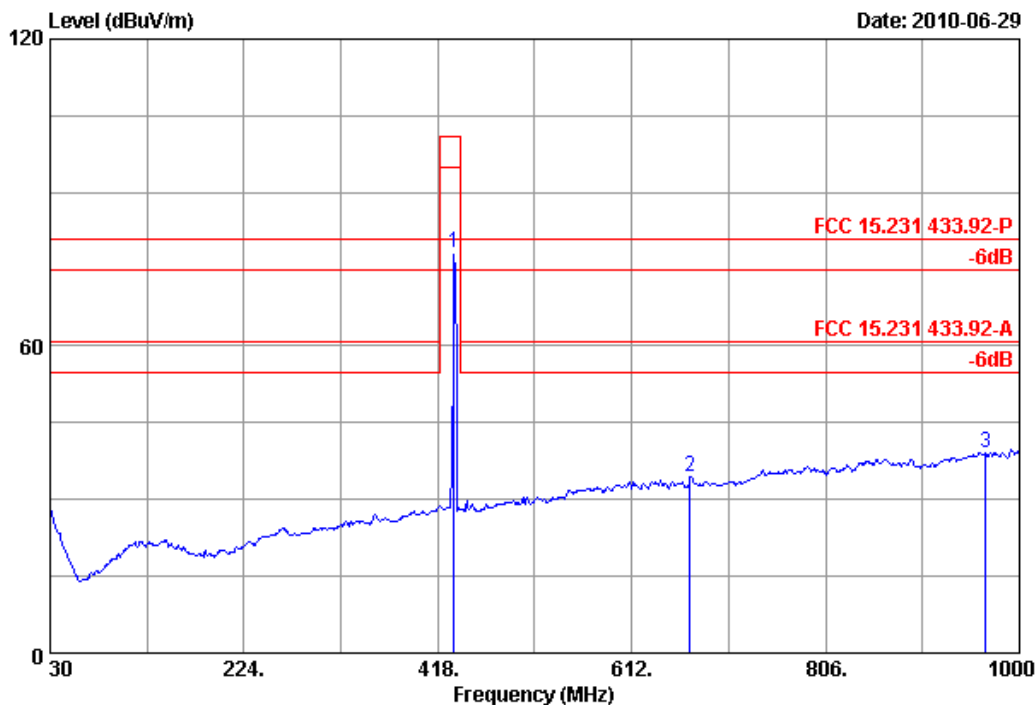
Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
433.92	84.77	7.58	77.19	80.83	PASS



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Date: 2010-06-29



Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2010 CBL6111C Ant. pol. : VERTICAL
Limit : FCC 15.231 433.92-P
Env. / Ins. : 24°C/56% Engineer : Leo-Li
EUT : IR+RF Remote M/N:RC45P
Power Rating : DC 3V
Test Mode : Tx ASK 433.92MHz

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	433.920	17.39	3.13	57.64	78.16	100.83	22.67	Peak
2	670.200	20.80	4.39	9.31	34.50	80.83	46.33	Peak
3	966.050	24.28	5.45	9.35	39.08	80.83	41.75	Peak

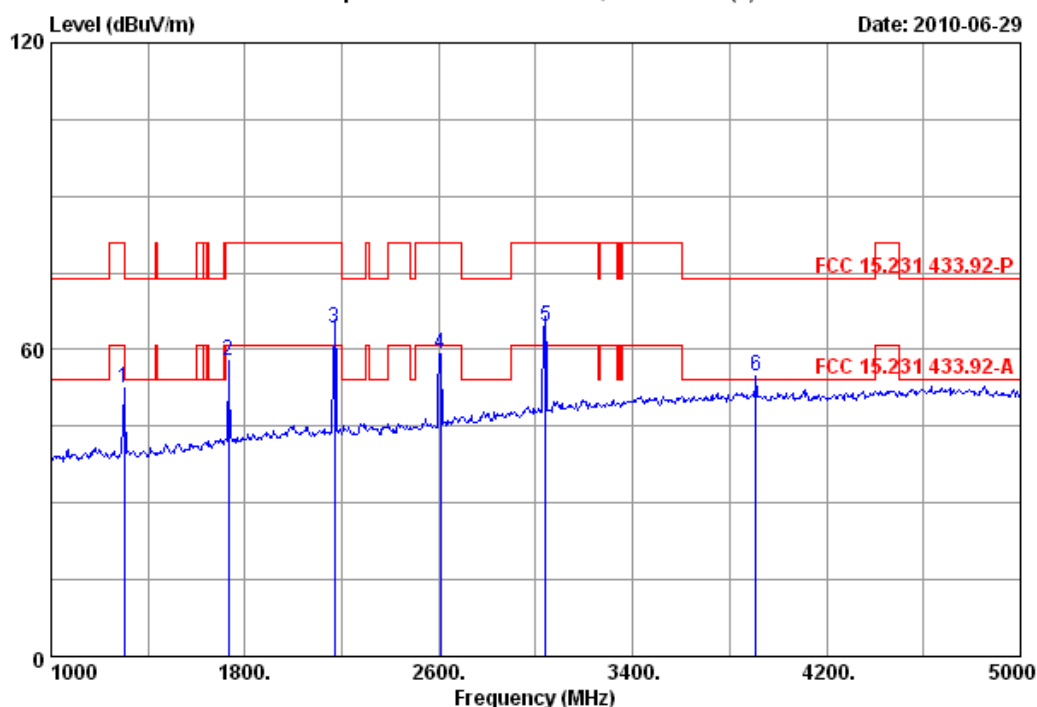
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
433.92	78.16	7.58	70.58	80.83	PASS



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Data: 1 File: E:\2010 report data\E\Entone\ACS10QH181-1.EM6 (4)



Site no.	: 3m Chamber	Data no.	: 1
Dis. / Ant.	: 3m 3115(0911)	Ant. pol.	: HORIZONTAL
Limit	: FCC 15.231 433.92-P		
Env. / Ins.	: 23°C/54%	Engineer	: Paul Tian
EUT	: IR+RF Remote		
Power	: DC 3V		
Test mode	: Tx FSK 433.92MHz		
M/N	: RC45P		

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1300.000	26.02	5.35	37.36	58.30	52.31	74.00	21.69	Peak	
2 1732.000	27.71	6.14	36.86	60.69	57.68	80.83	23.15	Peak	
3 2168.000	29.30	6.97	36.67	64.45	64.05	80.83	16.78	Peak	
4 2608.000	30.08	7.80	36.58	57.78	59.08	80.83	21.75	Peak	
5 3040.000	32.09	8.61	36.45	60.29	64.54	80.83	16.29	Peak	
6 3908.000	33.88	9.59	35.68	46.93	54.72	74.00	19.28	Peak	

Remarks:

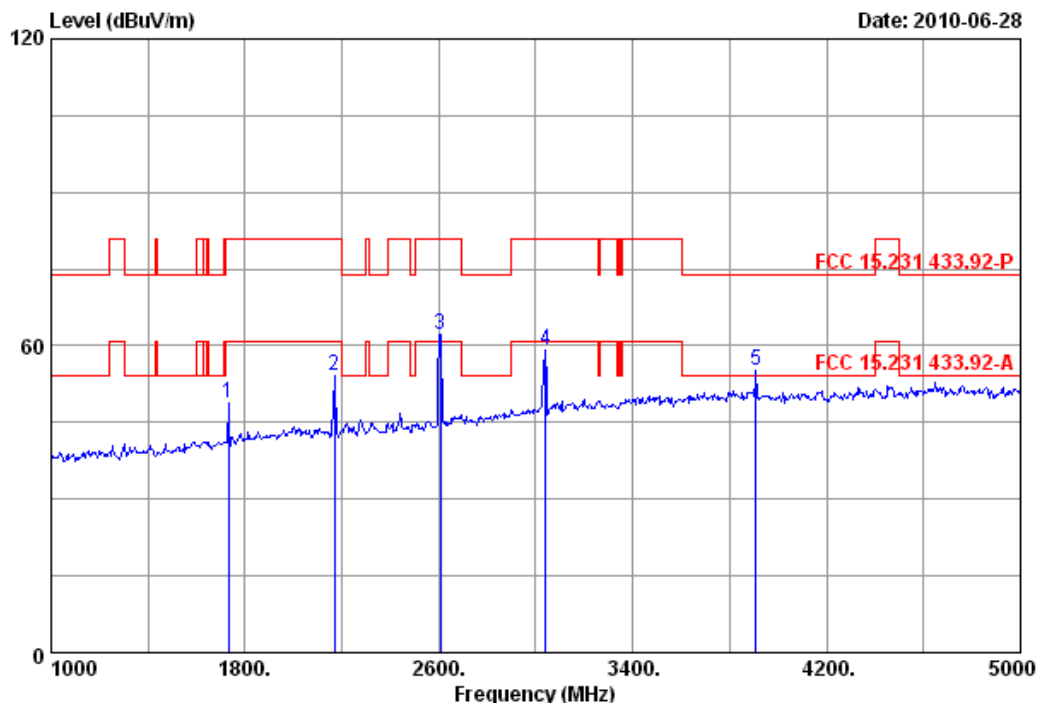
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
2168.0	64.05	7.74	56.31	60.83	PASS
3040.0	64.54	7.74	56.80	60.83	PASS
3908.0	54.72	7.74	46.98	54.00	PASS



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Data: 2 File: E:\2010 report data\E\Entone\ACS100H181-1.EM6 (4)



Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC 15.231 433.92-P
Env. / Ins. : 23°C/54% Engineer : Paul Tian
EUT : IR+RF Remote
Power : DC 3V
Test mode : Tx ASK 433.92MHz
M/N : RC45P

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1732.000	27.71	6.14	36.86	51.74	48.73	80.83	32.10	Peak	
2 2168.000	29.30	6.97	36.67	54.46	54.06	80.83	26.77	Peak	
3 2608.000	30.08	7.80	36.58	60.97	62.27	80.83	18.56	Peak	
4 3040.000	32.09	8.61	36.45	55.00	59.25	80.83	21.58	Peak	
5 3908.000	33.88	9.59	35.68	47.51	55.30	74.00	18.70	Peak	

Remarks:

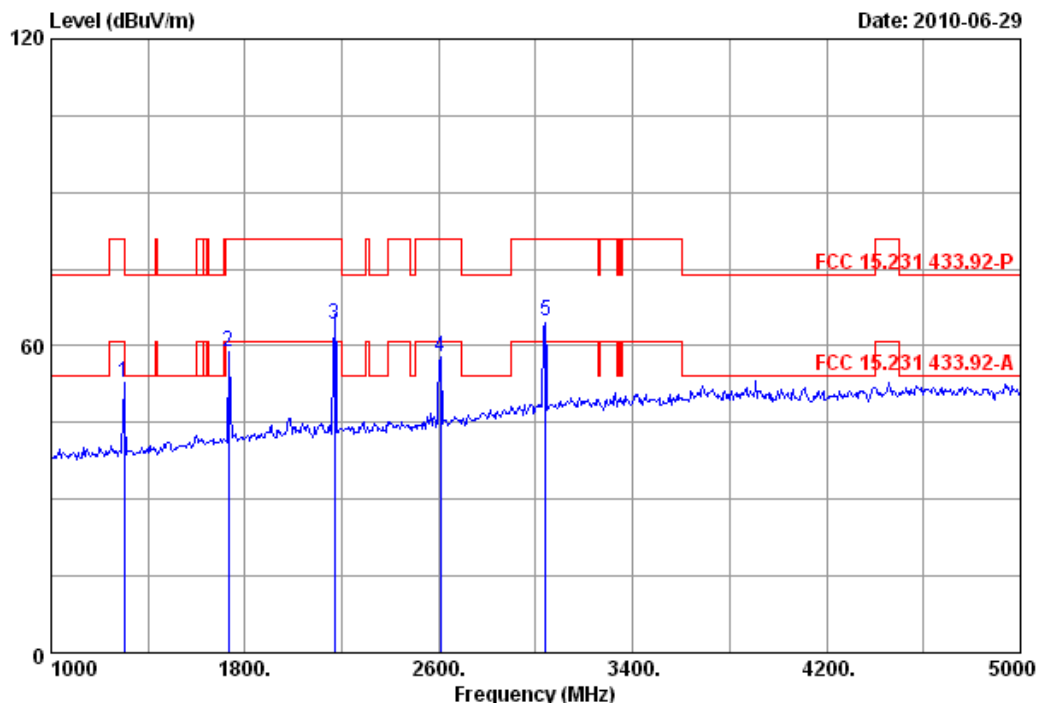
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
2608.0	62.27	7.74	54.53	60.83	PASS
3908.0	55.30	7.74	47.56	54.00	PASS



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Data: 3 File: E:\2010 report data\E\Entone\ACS100H181-1.EM6 (4)



Site no.	: 3m Chamber	Data no.	: 3
Dis. / Ant.	: 3m 3115(0911)	Ant. pol.	: HORIZONTAL
Limit	: FCC 15.231 433.92-P	Engineer	: Paul Tian
Env. / Ins.	: 23°C/54%		
EUT	: IR+RF Remote		
Power	: DC 3V		
Test mode	: Tx ASK 433.92MHz		
M/N	: RC45P		

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1300.000	26.02	5.35	37.36	58.77	52.78	74.00	21.22	Peak	
2 1732.000	27.71	6.14	36.86	62.00	58.99	80.83	21.84	Peak	
3 2168.000	29.30	6.97	36.67	64.55	64.15	80.83	16.68	Peak	
4 2608.000	30.08	7.80	36.58	56.69	57.99	80.83	22.84	Peak	
5 3040.000	32.09	8.61	36.45	60.76	65.01	80.83	15.82	Peak	

Remarks:

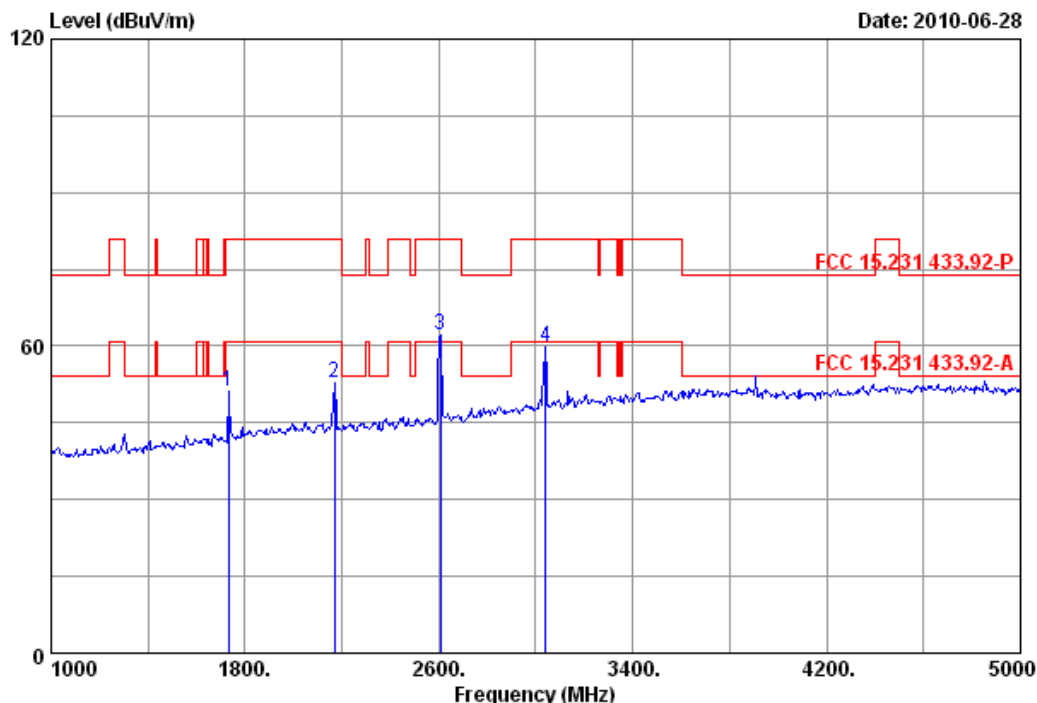
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
2168.0	64.15	7.58	56.57	60.83	PASS
3040.0	65.01	7.58	57.43	60.83	PASS



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Data: 4 File: E:\2010 report data\E\Entone\ACS100H181-1.EM6 (4)



Site no.	: 3m Chamber	Data no.	: 4
Dis. / Ant.	: 3m 3115(0911)	Ant. pol.	: VERTICAL
Limit	: FCC 15.231 433.92-P	Engineer	: Paul Tian
Env. / Ins.	: 23°C/54%		
EUT	: IR+RF Remote		
Power	: DC 3V		
Test mode	: Tx ASK 433.92MHz		
M/N	: RC45P		

	Ant.	Cable	Amp.		Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 1732.000	27.71	6.14	36.86	54.00	50.99	80.83	29.84	Peak	
2 2168.000	29.30	6.97	36.67	53.06	52.66	80.83	28.17	Peak	
3 2608.000	30.08	7.80	36.58	60.80	62.10	80.83	18.73	Peak	
4 3040.000	32.09	8.61	36.45	55.57	59.82	80.83	21.01	Peak	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	PK Level (dBuV/m)	Duty cycle factor (dB)	Average Level (dBuV/m)	Limit (dBuV/m)	Conclusion
2608.0	62.10	7.58	54.52	60.83	PASS

5. STOP TRANSMITTING TIME TEST

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year

5.2. Limit

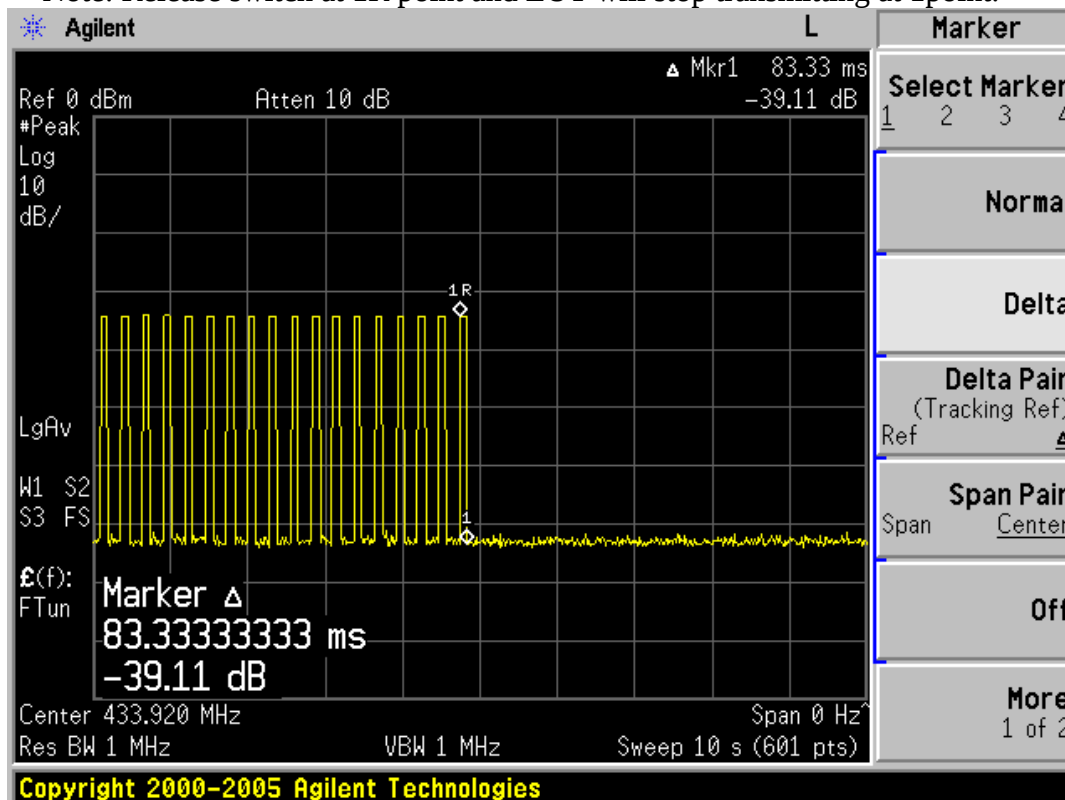
A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

5.3. Test Results

Set the spectrum to zero span, activated the EUT by manually after 110.4ms, the EUT stop transmitting.

Frequency (MHz)	Stop Transmitting Time	Limit	Conclusion
433.92	83.3ms	5s	PASS

Note: Release switch at 1R point and EUT will stop transmitting at 1point.



6. 20 DB BANDWIDTH TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 10	1 Year

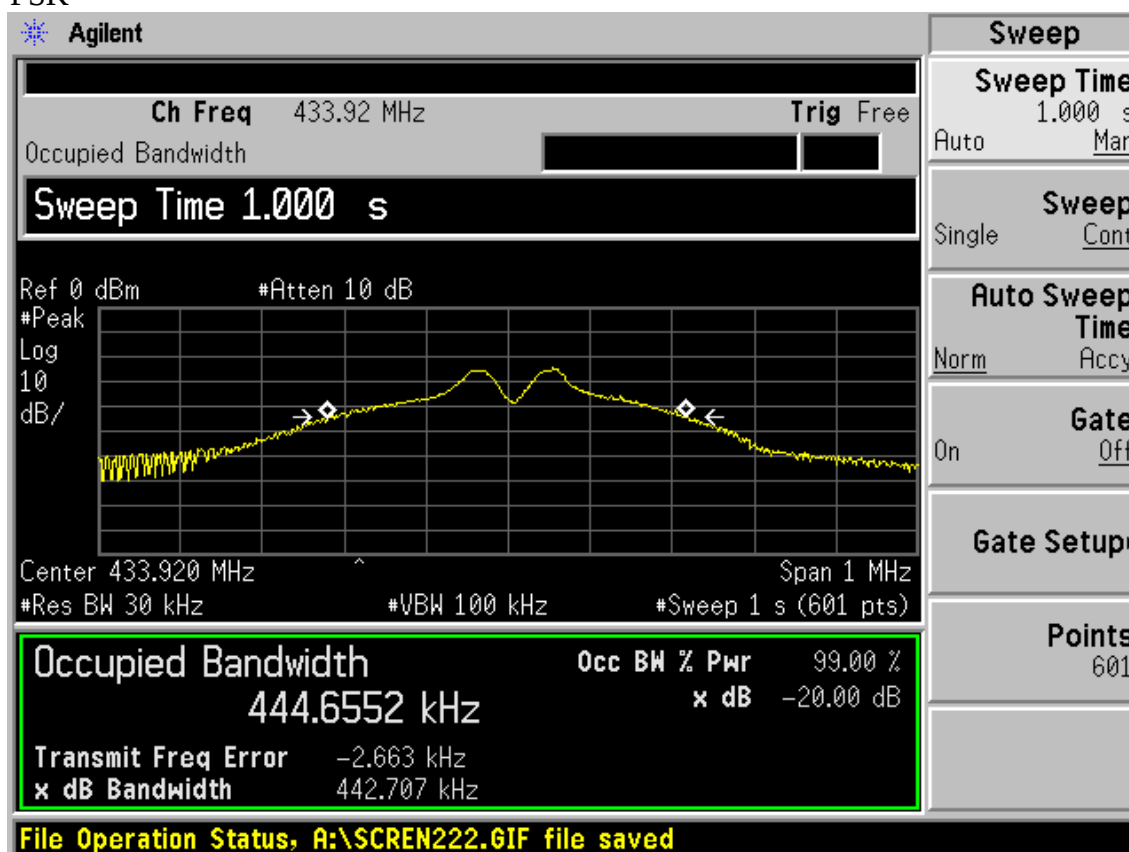
6.2. Limit

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.

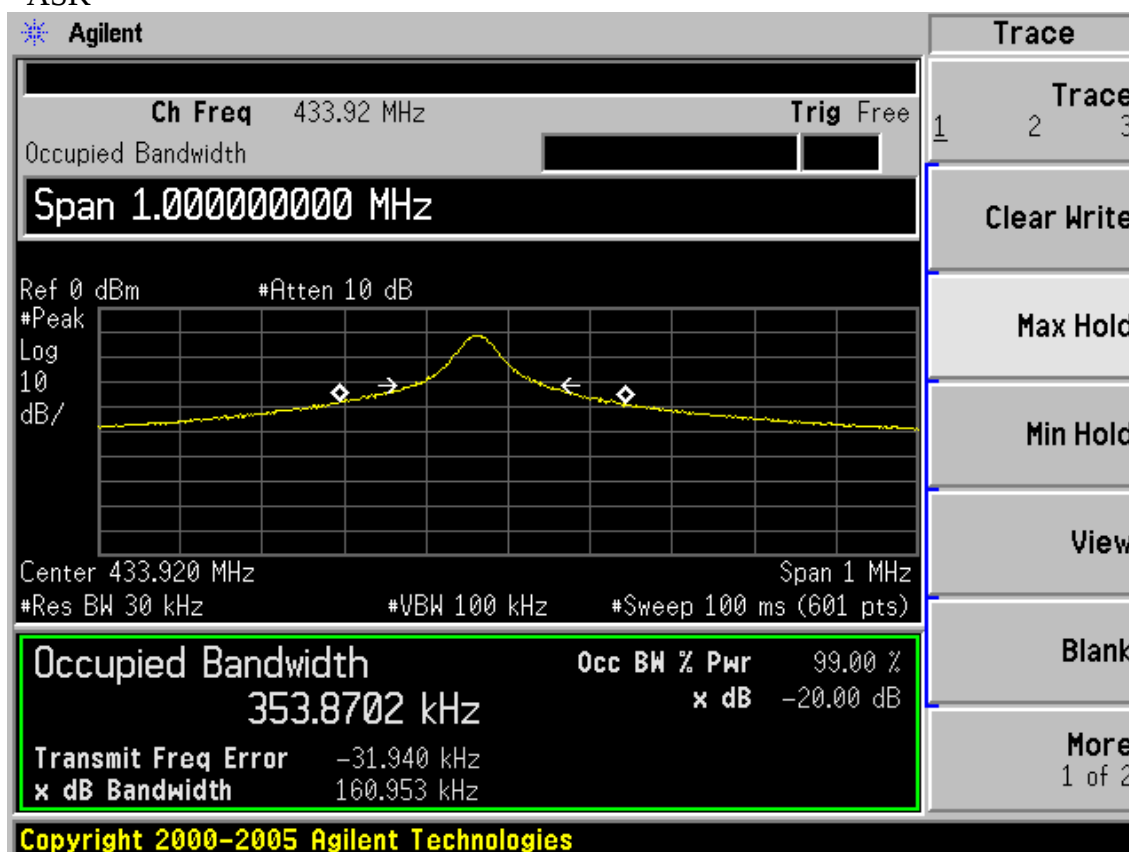
6.3. Test Results

Frequency (MHz)	20 dB Bandwidth (kHz)	Limit(kHz): No wider than 0.25% of the center frequency	Conclusion
433.900	FSK:444.65	$433.92 \times 0.25\% = 1.08\text{MHz}$	PASS
	ASK:353.87		

FSK



ASK



7. DEVIATION TO TEST SPECIFICATIONS

[NONE]