



FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Sony Corporation

VIDEO NURSERY MONITOR

Model Number: NTM-V1T

FCC ID: AK8NTMV1T

Prepared for : Sony Corporation

1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan

Prepared By : Audix Technology (Shenzhen) Co., Ltd.

No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F12145

Date of Test : May.31~Jun.28, 2012

Date of Report : Jul.25, 2012

TABLE OF CONTENTS

Description	Page
1. SUMMARY OF STANDARDS AND RESULTS.....	1-1
1.1. Description of Standards and Results	1-1
2. GENERAL INFORMATION	2-1
2.1. Description of Device (EUT).....	2-1
2.2. Tested Supporting System Details	2-2
2.3. EUT Configuration and operation conditions for test.....	2-2
2.4. Test Facility	2-3
2.5. Measurement Uncertainty (95% confidence levels, k=2)	2-4
3. POWER LINE CONDUCTED EMISSION TEST	3-1
3.1. Test Equipments.....	3-1
3.2. Block Diagram of Test Setup.....	3-1
3.3. Power Line Conducted Emission Test Limits.....	3-1
3.4. Configuration of EUT on Test	3-2
3.5. Operating Condition of EUT.....	3-2
3.6. Test Procedure.....	3-2
3.7. Power Line Conducted Emission Test Results	3-2
4. RADIATED EMISSION TEST	4-1
4.1. Test Equipment	4-1
4.2. Block Diagram of Test Setup.....	4-2
4.3. Radiated Emission Limit Standard: FCC 15.209	4-3
4.4. EUT Configuration on Test.....	4-3
4.5. Operating Condition of EUT.....	4-3
4.6. Test Procedure.....	4-3
4.7. Radiated Emission Test Results	4-4
5. CONDUCTED SPURIOUS EMISSIONS.....	5-1
5.1. Test Equipment	5-1
5.2. Limit.....	5-1
5.3. Test Procedure.....	5-1
5.4. Test result.....	5-1
6. CARRIER FREQUENCY SEPARATION TEST	6-1
6.1. Test Equipment	6-1
6.2. Limit.....	6-1
6.3. Test Results	6-1
7. 20 DB BANDWIDTH TEST	7-1
7.1. Test Equipment	7-1
7.2. Limit.....	7-1
7.3. Test Results	7-1
8. NUMBER OF HOPPING FREQUENCY TEST	8-1
8.1. Test Equipment	8-1
8.2. Limit.....	8-1
8.3. Test Results	8-1
9. DWELL TIME	9-1
9.1. Test Equipment	9-1

9.2.	Limit.....	9-1
9.3.	Test Results	9-1
10.	MAXIMUM PEAK OUTPUT POWER TEST	10-3
10.1.	Test Equipment	10-3
10.2.	Limit.....	10-3
10.3.	Test Procedure.....	10-3
10.4.	Test Results	10-4
11.	BAND EDGE COMPLIANCE TEST	11-1
11.1.	Test Equipment	11-1
11.2.	Limit.....	11-1
11.3.	Test Produce	11-1
11.4.	Test Results	11-2
12.	DEVIATION TO TEST SPECIFICATIONS.....	12-1
13.	PHOTOGRAPH OF TEST	13-1
13.1.	Photos of Power Line Conducted Emission Test.....	13-1
14.	PHOTOGRAPH OF TEST	14-1
14.1.	Photos of Radiated Emission Test (30-1000MHz)	14-1
15.	PHOTOS OF THE EUT.....	15-1

TEST REPORT CERTIFICATION

Applicant : Sony Corporation
Manufacturer : Sony Corporation
EUT Description : VIDEO NURSERY MONITOR
FCC ID : AK8NTMV1T
(A) MODEL NO. : NTM-V1T
(B) SERIAL NO. : N/A
(C) POWER SUPPLY : DC 5V
(D) TEST VOLTAGE : DC 5V From Adapter Input, AC 120V/60Hz

Tested for comply with:
FCC Rules and Regulations Part 15 Subpart C:2008
Test procedure used:
ANSI C63.10:2009

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements.

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 these tests. This report contains data that are not covered by the NVLAP accreditation. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

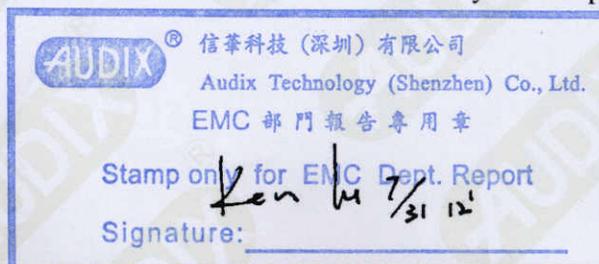
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : May.31~ Jun.28, 2012 Report of date: Jul.25, 2012

Prepared by : Selina Liu Reviewer by : Sunny Lu
Selina Liu / Assistant Sunny Lu / Supervisor

Approved & Authorized Signer : Ken Lu
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
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.10 :2009	PASS
Radiated Emission Test	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10 :2009	PASS
Conducted Spurious Emissions	FCC Part 15: 15.247(a)(1) ANSI C63.10 :2009	PASS
Carrier Frequency Separation Test	FCC Part 15: 15.247(a)(1) ANSI C63.10 :2009	PASS
20dB Bandwidth Test	FCC Part 15: 15.215 ANSI C63.10 :2009	PASS
Number Of Hopping Frequency Test	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.10 :2009	PASS
Dwell Time Test	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.10 :2009	PASS
Maximum Peak Output Power Test	FCC Part 15: 15.247(b)(1)\ ANSI C63.10 :2009	PASS
Band Edge Compliance Test	FCC Part 15: 15.247(d) ANSI C63.10 :2009	PASS

N/A is an abbreviation for Not Applicable.

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product Name : VIDEO NURSERY MONITOR
Model Number : NTM-V1T

FCC ID : AK8NTMV1T

Operation frequency : 2410.875MHz~2471.625MHz

Antenna : Dipole Antenna, 2.0dBi PK gain

Power Supply : DC 5V From Adapter Input, AC 120V/60Hz

Applicant : Sony Corporation
1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan

Manufacturer : Sony Corporation
1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan

Power Adapter #1 : Manufacturer: SONY Model No.: AC-P5010A1

Power Adapter #2 : Manufacturer: SONY Model No.: AC-P5010A
Remark:Power adapter #1 are same with each other
except the external Color.

AC Cable : Unshielded, Undetachable, 2.0m

Date of Test : May31~Jun.26, 2012

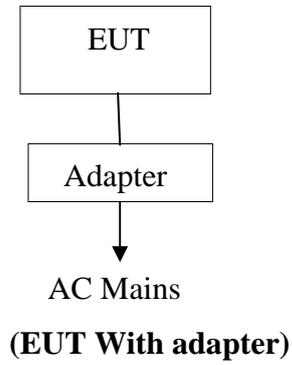
Date of Receipt : May.30, 2012

Sample Type : Prototype production

2.2. Tested Supporting System Details

[NONE]

2.3. EUT Configuration and operation conditions for test.



(EUT: VIDEO NURSERY MONITOR)

2.4. 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 : Certificated by FCC, USA
Registration Number: 90454
Valid Date: Feb.22, 2015

3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Valid Date: Dec.30, 2012

EMC Lab. : Certificated by DAkkS, Germany
Registration No: D-PL-12151-01-01
Valid Date: Feb.01, 2014

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2013

Certificated by Nemko, Norway
Aut. No.: ELA135
Valid Date: Jul.17, 2013

Certificated by Industry Canada
Registration Number: IC 5183A-1
Valid Date: Jun.13, 2014

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

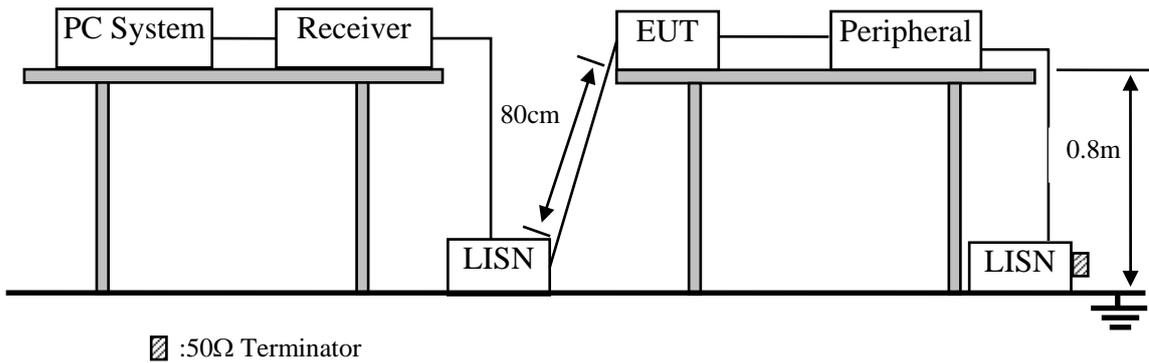
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2 dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.8 dB(30~200MHz, Polarize: V)
	4.2 dB(200M~1GHz, Polarize: H)
	3.8 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	3.1dB (Distance: 3m Polarize: V)
	3.7 dB (Distance: 3m Polarize: H)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.038 %
Uncertainty for test site temperature and humidity	0.6°C
	3%

3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 11	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 11	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 12	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 12	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 2	May.08, 12	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 12	1Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 12	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 12	1 Year

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

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

3.4.1. VIDEO NURSERY MONITOR (EUT)

Model Number : NTM-V1T
Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 2.3.

3.5.2. Turned on the power of all equipment.

3.5.3. PC run test software to control EUT work in Tx mode.

3.6. Test Procedure

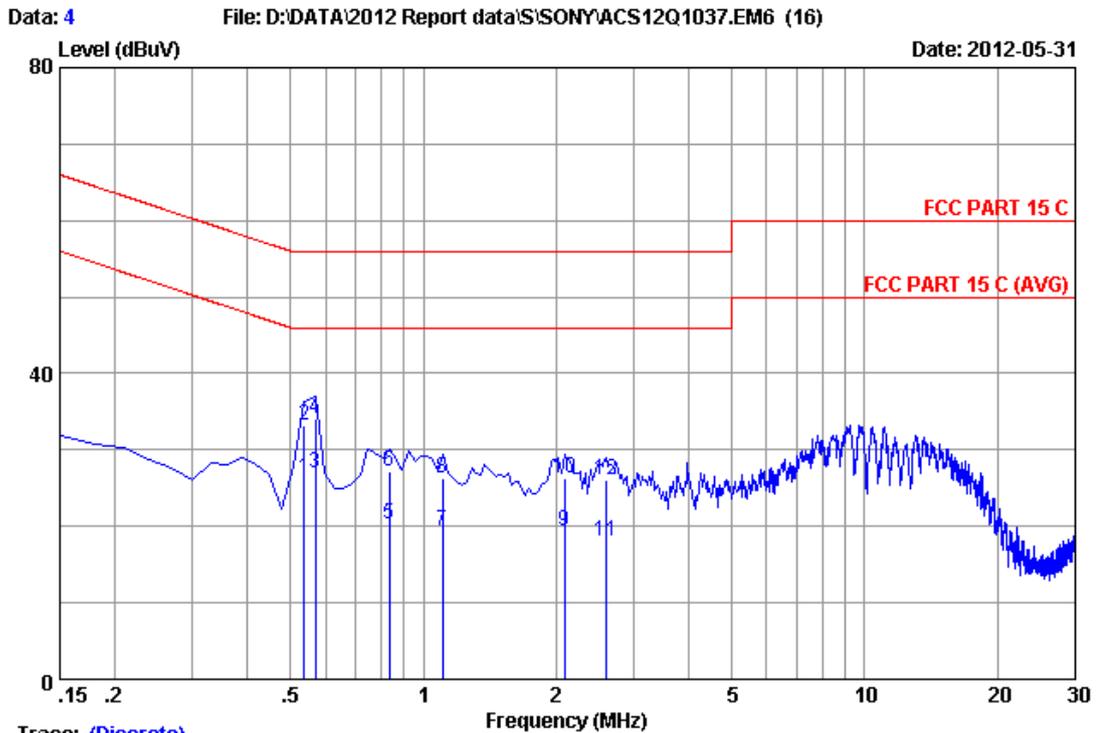
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2009 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7. Power Line Conducted Emission Test Results

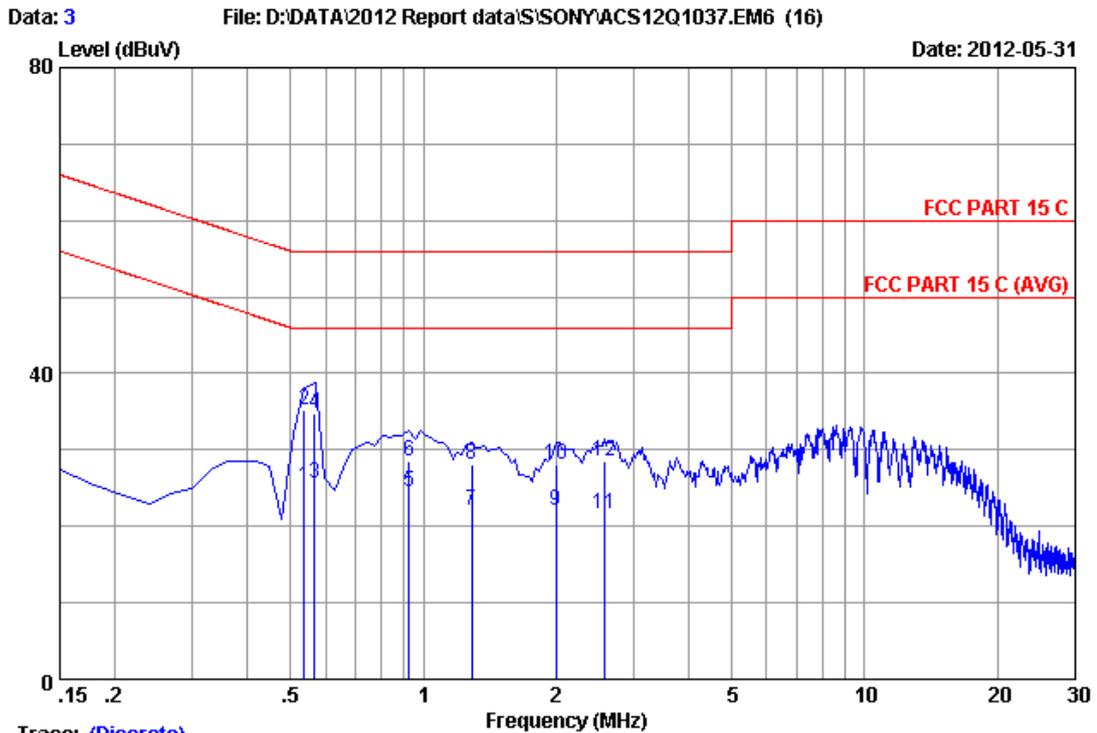
PASS. (All emissions not reported below are too low against the prescribed limits.)



Trace: (Discrete)
 Site no :1#conduction Data No :4
 Dis./Ant. **: 2011 ESH2-25 LINE
 Limit :FCC PART 15 C
 Env./Ins. :25°C/65% Engineer :Leo_li
 EUT :VIDEO NURSERY MONITOR M/N:NTM-V1T
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :Tx Mode
 :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.53805	0.16	9.98	16.14	26.28	46.00	19.72	Average
2	0.53805	0.16	9.98	23.14	33.28	56.00	22.72	QP
3	0.56790	0.16	9.98	16.93	27.07	46.00	18.93	Average
4	0.56790	0.16	9.98	23.93	34.07	56.00	21.93	QP
5	0.83655	0.16	9.97	10.06	20.19	46.00	25.81	Average
6	0.83655	0.16	9.97	17.06	27.19	56.00	28.81	QP
7	1.105	0.17	9.98	9.25	19.40	46.00	26.60	Average
8	1.105	0.17	9.98	16.25	26.40	56.00	29.60	QP
9	2.090	0.20	9.97	9.19	19.36	46.00	26.64	Average
10	2.090	0.20	9.97	16.19	26.36	56.00	29.64	QP
11	2.598	0.21	9.96	7.86	18.03	46.00	27.97	Average
12	2.598	0.21	9.96	15.86	26.03	56.00	29.97	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Trace: (Discrete)
 Site no :1#conduction Data No :3
 Dis./Ant. :** 2011 ESH2-Z5 NEUTRAL
 Limit :FCC PART 15 C
 Env./Ins. :25°C/65% Engineer :Leo_li
 EUT :VIDEO NURSERY MONITOR M/N:NTM-V1T
 Power Rating :DC 5V From Adapter Input AC 120V/60Hz
 Test Mode :Tx Mode
 :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.53805	0.15	9.98	15.01	25.14	46.00	20.86	Average
2	0.53805	0.15	9.98	25.01	35.14	56.00	20.86	QP
3	0.56700	0.15	9.98	15.60	25.73	46.00	20.27	Average
4	0.56700	0.15	9.98	24.70	34.83	56.00	21.17	QP
5	0.92610	0.17	9.98	14.45	24.60	46.00	21.40	Average
6	0.92610	0.17	9.98	18.45	28.60	56.00	27.40	QP
7	1.284	0.18	9.98	11.88	22.04	46.00	23.96	Average
8	1.284	0.18	9.98	17.88	28.04	56.00	27.96	QP
9	2.001	0.20	9.97	11.90	22.07	46.00	23.93	Average
10	2.001	0.20	9.97	17.90	28.07	56.00	27.93	QP
11	2.568	0.21	9.96	11.35	21.52	46.00	24.48	Average
12	2.568	0.21	9.96	18.35	28.52	56.00	27.48	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipment

Frequency rang: 30~1000MHz

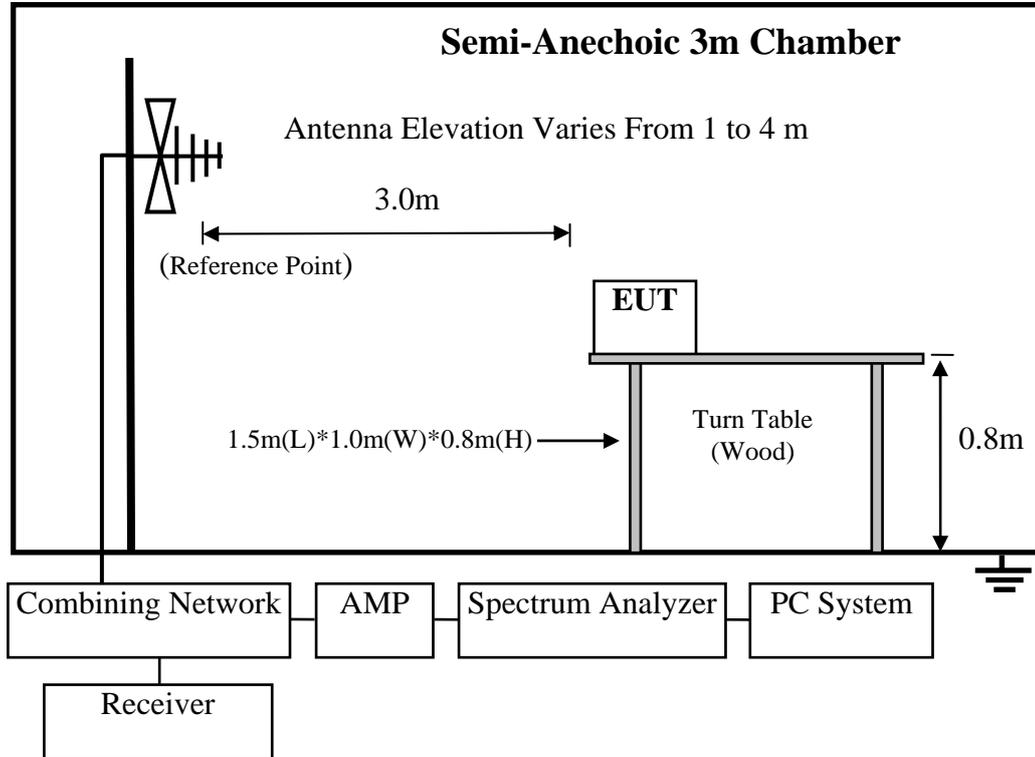
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.28,11	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 12	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 12	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 12	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Oct.26, 11	1 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 12	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 12	1 Year

Frequency rang: above 1000MHz

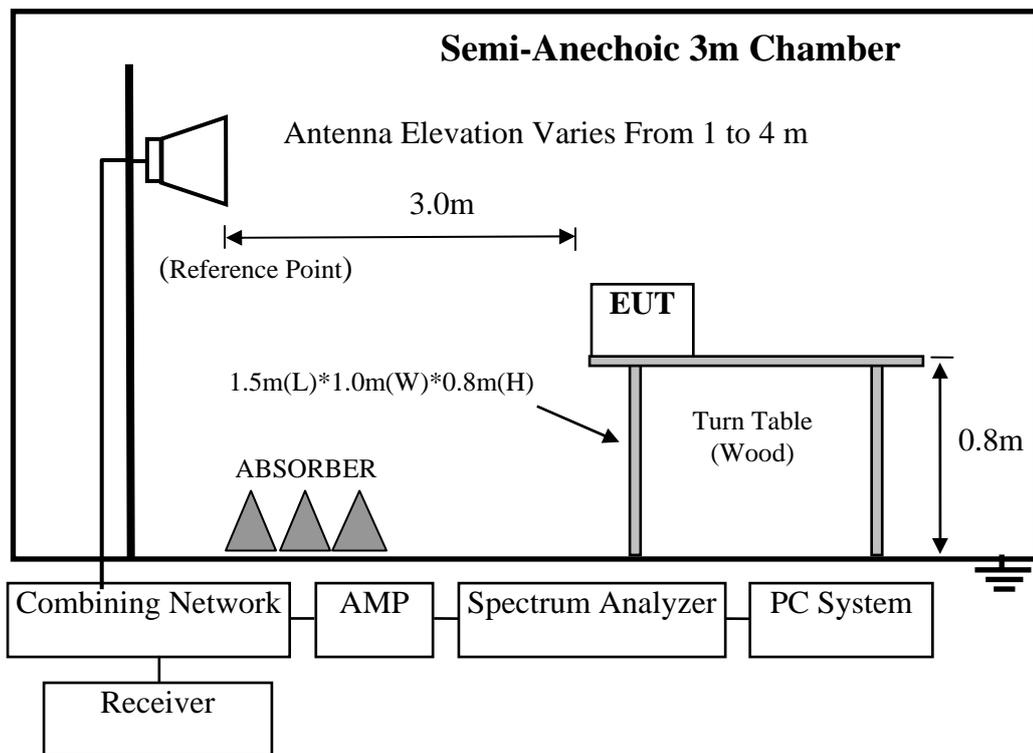
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May 08, 12	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	Jun.05,12	1 Year
3	Horn Antenna	EMCO	3116	00060089	Jun.25,11	1.5Year
4	Amplifier	Agilent	8449B	3008A00863	May 08, 12	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28622/2	May 08, 12	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May 08, 12	1 Year
7	RF Cable	Hubersuhner	SUCOFLEX102	274094/4	May.08,12	1 Year

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-18GHz



4.3. Radiated Emission Limit Standard: FCC 15.209

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/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 1000MHz	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

- Remark :
- (1) Emission level dBμV = 20 log Emission level μV/m
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.
 - (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

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. VIDEO NURSERY MONITOR (EUT)

Model Number : NTM-V1T
Serial Number : N/A

4.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.2

4.5.Operating Condition of EUT

- 4.5.1. Setup the EUT and simulator as shown as Section 4.2.
- 4.5.2. Turned on the power of all equipment.
- 4.5.3. Let EUT work in Tx mode.

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 EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's RBW is set at 1MHz and VBW is set at 3MHz for peak emissions measurement above 1GHz

This device is pulse modulated, a duty cycle factor was used to calculate average level based measured peak level.

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

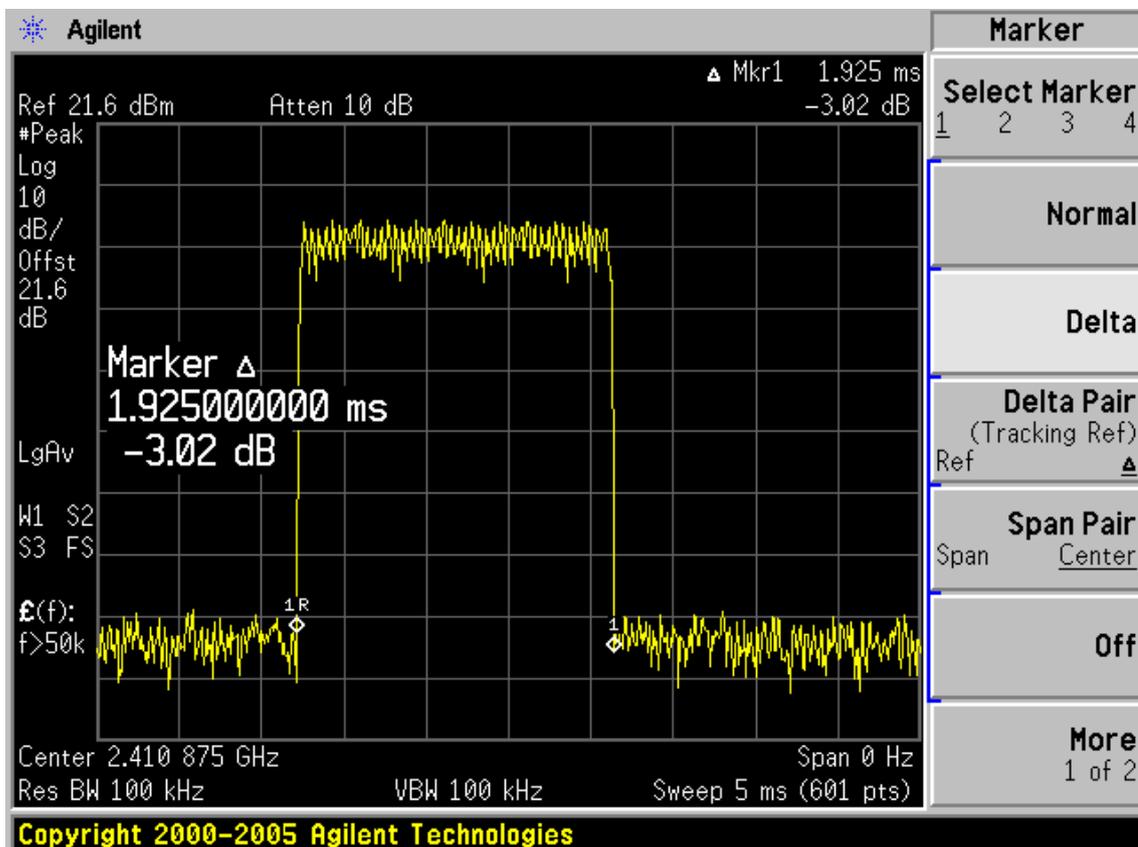
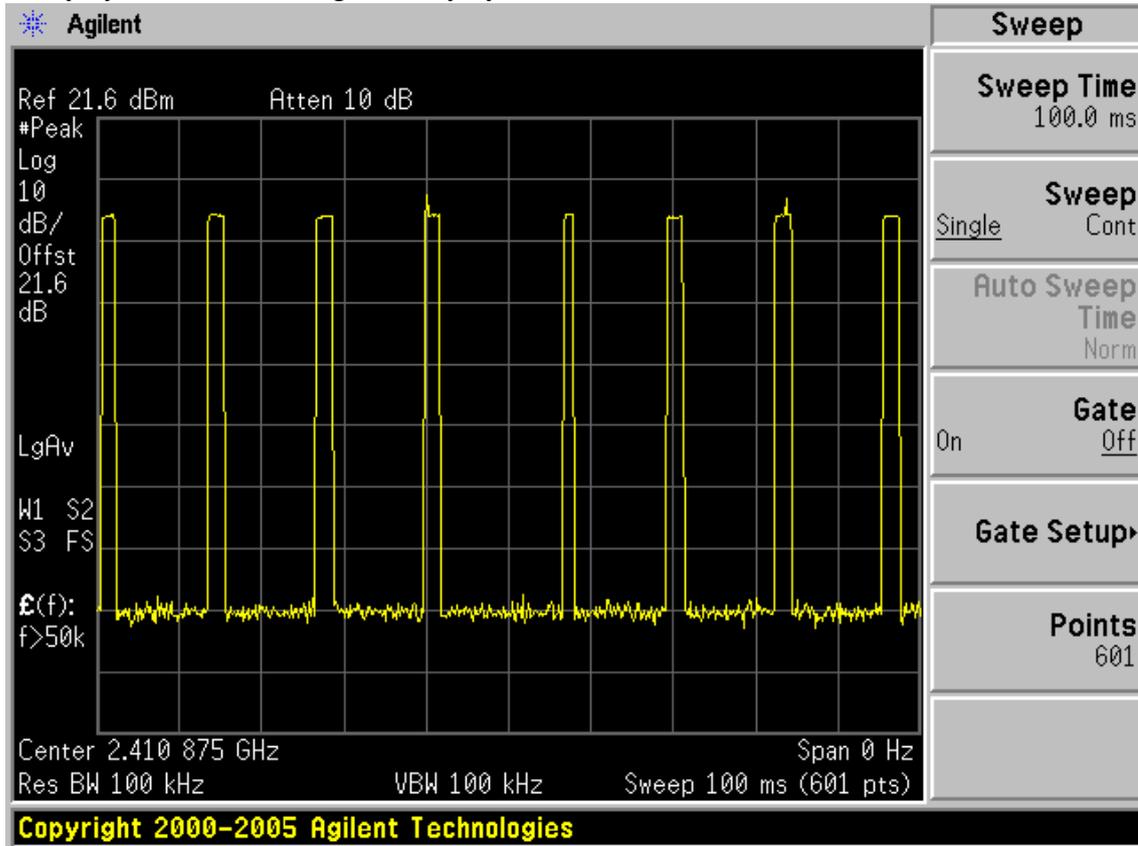
4.7.Radiated Emission Test Results

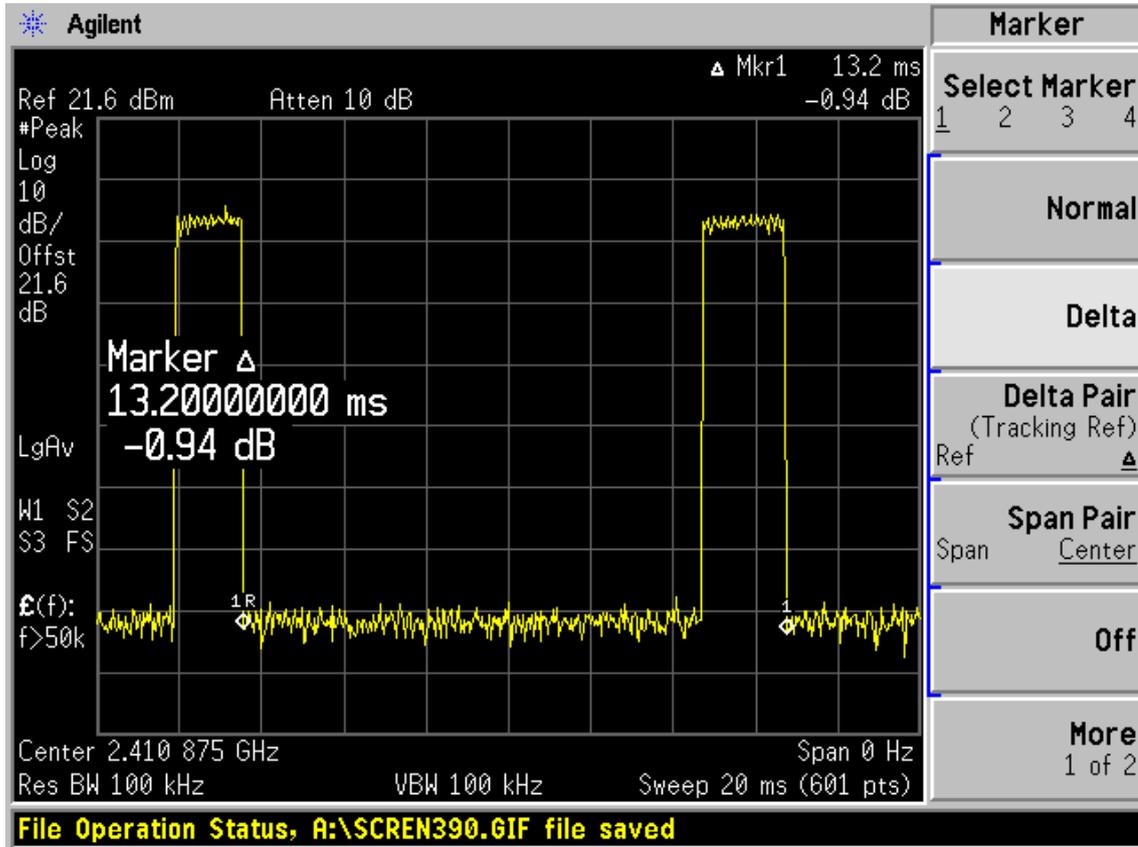
PASS.

All the emissions from 30MHz to 25GHz were comply with the 15.209 Limit.

Note: The duty cycle factor for calculate average level is 16.7dB, and average limit is 20dB below peak limit, so if peak measured level comply with peak limit, the average level was deemed to comply with average limit.

Duty cycle: $1.925\text{ms} / 13.2\text{ms} * 100\% = 14.58\%$
 Duty cycle factor = $20\log (1/\text{duty cycle}) = 16.7$



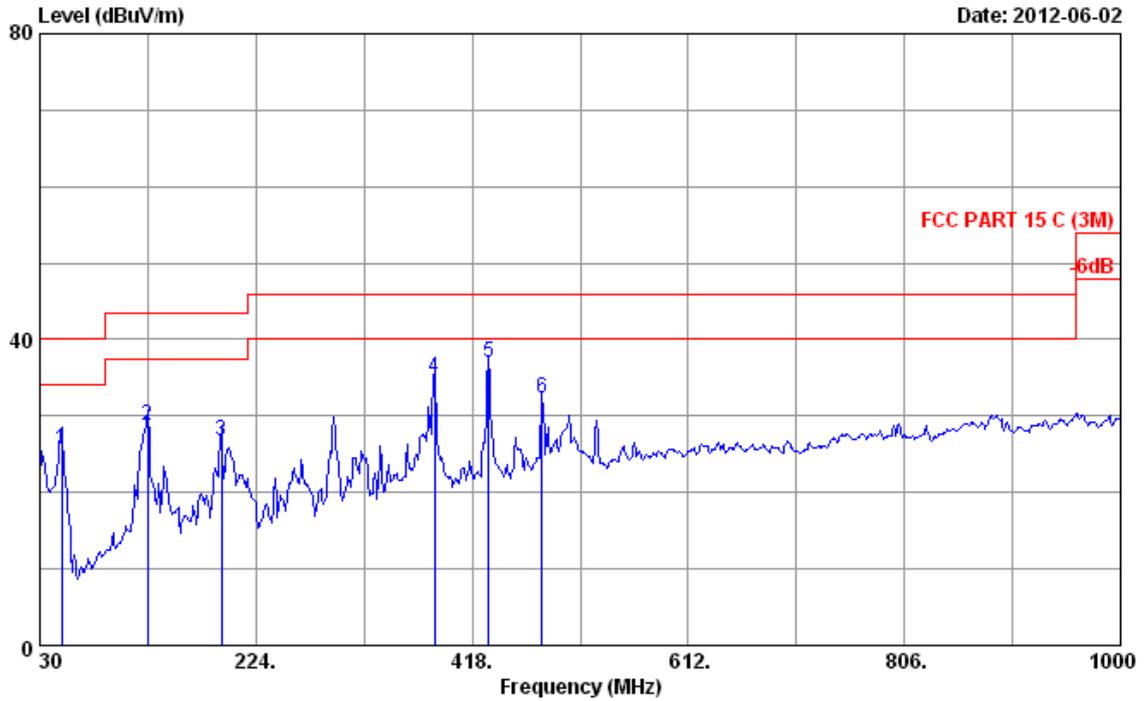


Frequency: 30MHz~1GHz

Data: 4

File: E:\2012 Report Data\SI\SONY\ACS12Q1037.EM6 (36)

Date: 2012-06-02



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo_Li
 EUT : VIDEO NURSERY Monitor
 Power rating : DC 5V From Adapter Input AC 120V/60Hz
 Test Mode : Tx Mode
 M/N : M/N:NTM-V1T

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.400	9.72	0.35	15.48	25.55	40.00	14.45	QP
2	127.000	12.14	0.67	16.00	28.81	43.50	14.69	QP
3	192.960	9.58	0.94	16.15	26.67	43.50	16.83	QP
4	384.050	15.94	1.38	17.70	35.02	46.00	10.98	QP
5	432.550	17.42	1.54	18.03	36.99	46.00	9.01	QP
6	481.050	18.11	1.50	12.66	32.27	46.00	13.73	QP

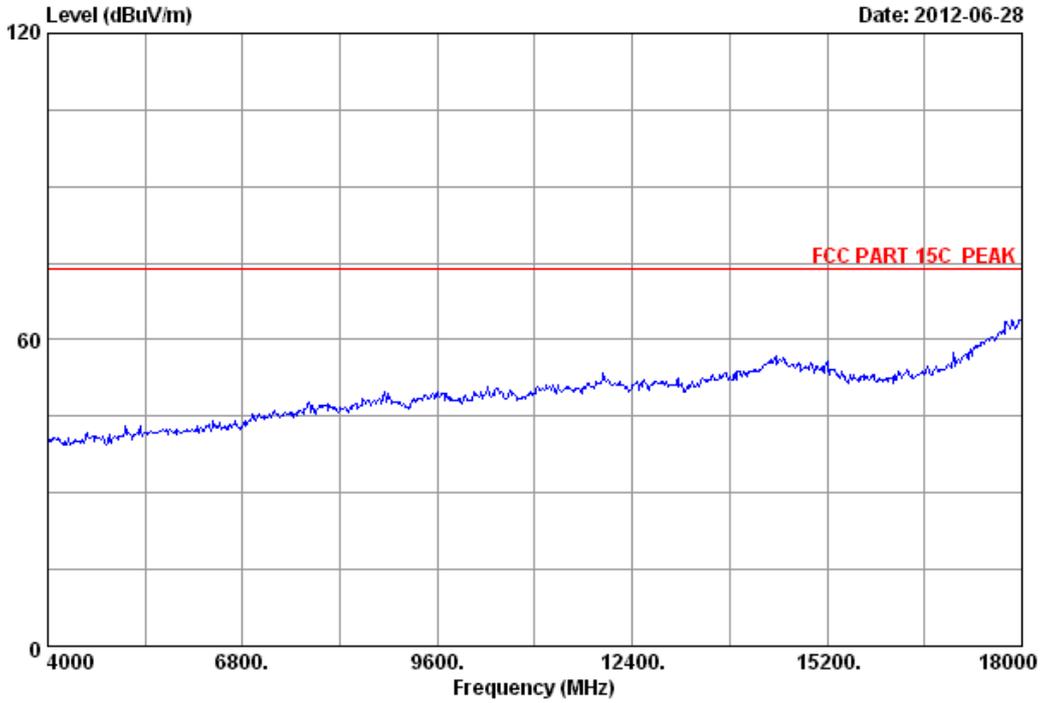
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz

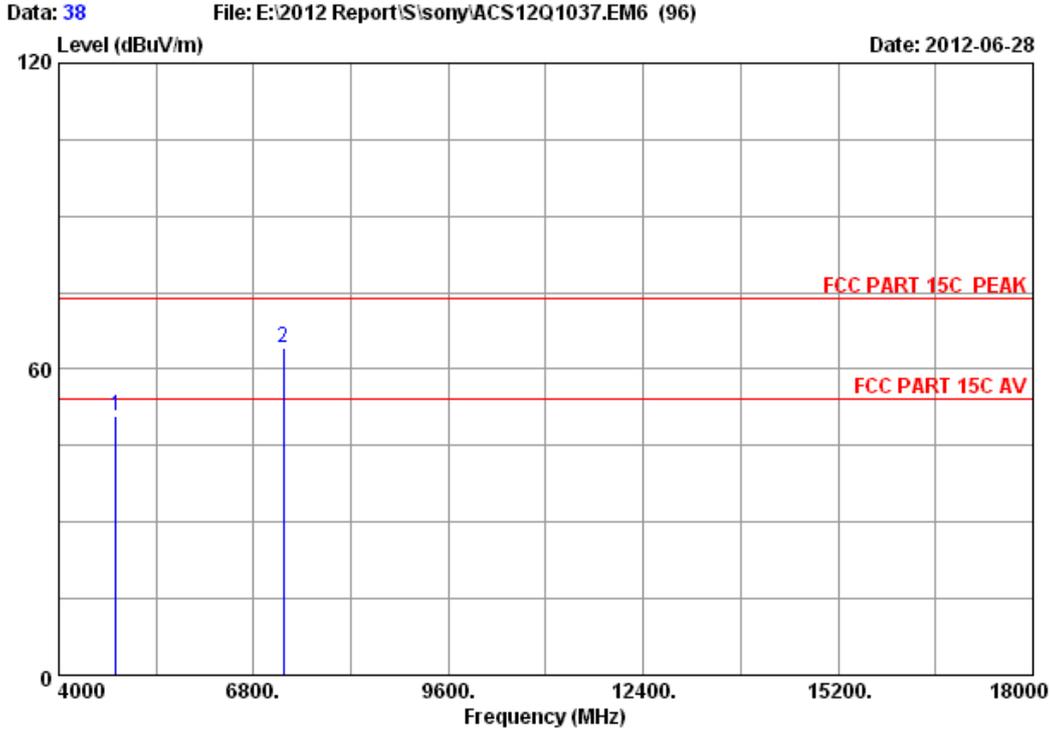
Data: 37

File: E:\2012 Report\S\sony\ACS12Q1037.EM6 (96)

Date: 2012-06-28



Site no.	: 3m Chamber	Data no.	: 37
Dis. / Ant.	: 3m 2011 3115 4580	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/66%	Engineer	: Leo-Li
EUT	: VIDEO NURSERY MONITOR		
Power supply	: DC 5V From Adapter Input AC 120V/60Hz		
Test mode	: CHO 2410.875MHz TX		
M/N	: NTM-V1T		



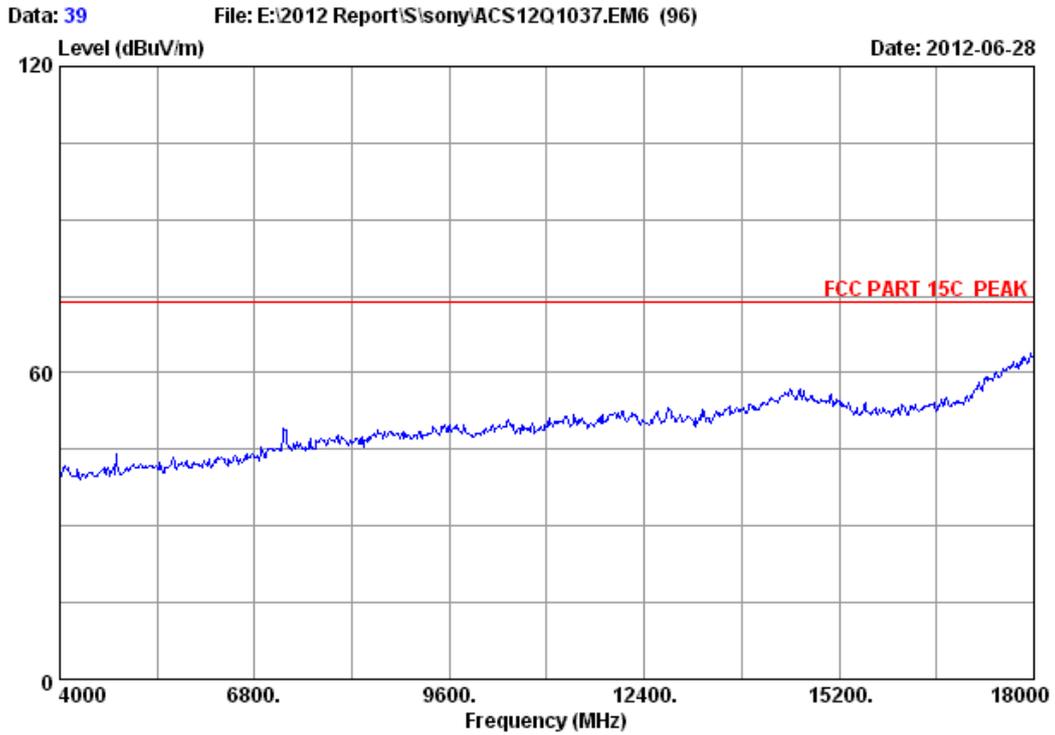
Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4821.750	32.89	8.53	34.60	44.14	50.96	74.00	23.04	Peak
2	7232.625	35.83	10.46	34.72	52.65	64.22	74.00	9.78	Peak

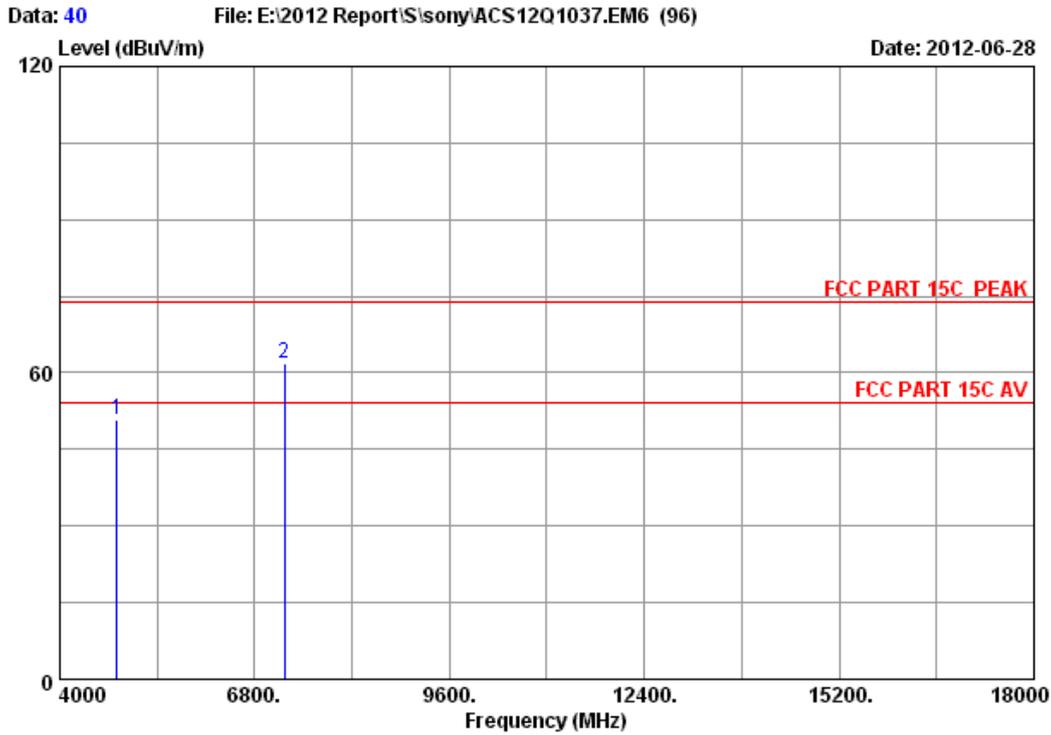
Remarks:

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

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
7232.625	64.22	16.7	47.52	54	Pass



Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/66% Engineer : Leo-Li
EUT : VIDEO NURSERY MONITOR
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : CHO 2410.875MHz TX
M/N : NTM-V1T



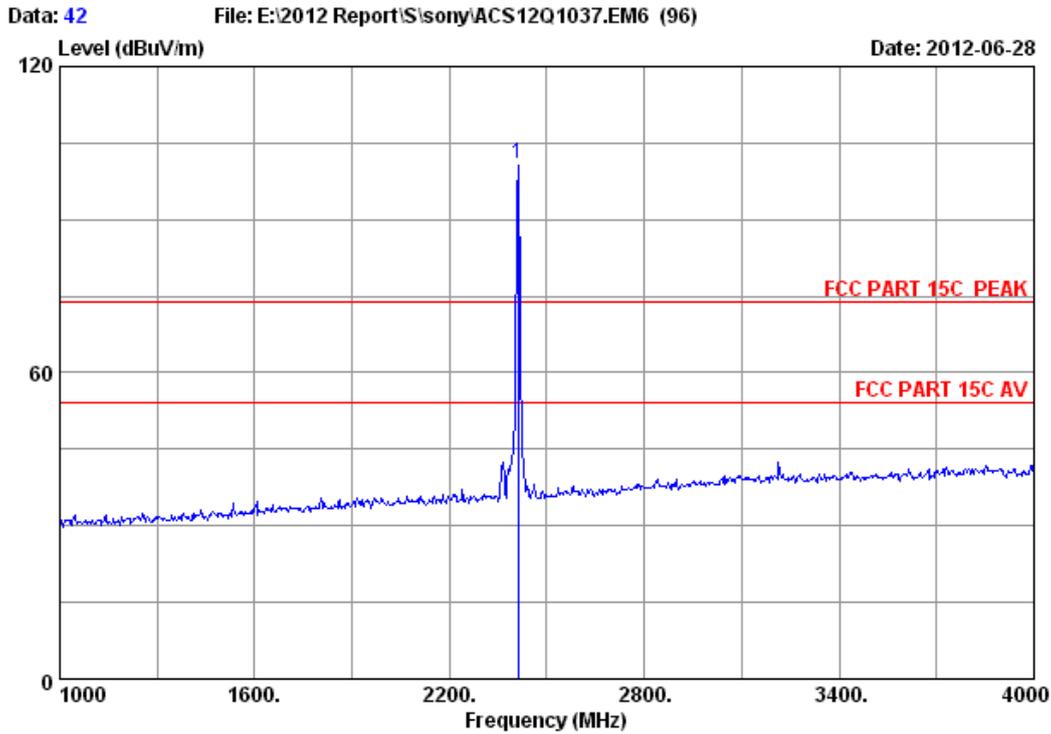
Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4821.250	32.89	8.53	34.60	43.83	50.65	74.00	23.35	Peak
2	7232.875	35.83	10.46	34.72	50.30	61.87	74.00	12.13	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
7232.875	61.87	16.7	45.17	54	Pass

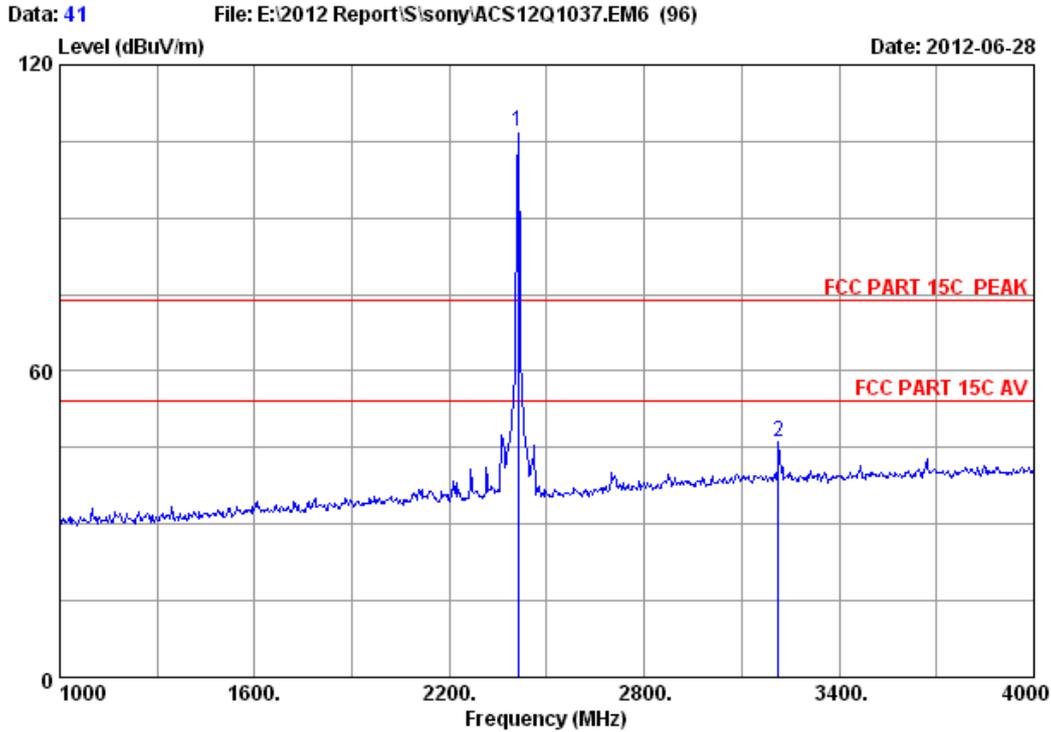


Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	27.98	6.03	34.44	101.33	100.90	74.00	-26.90	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.

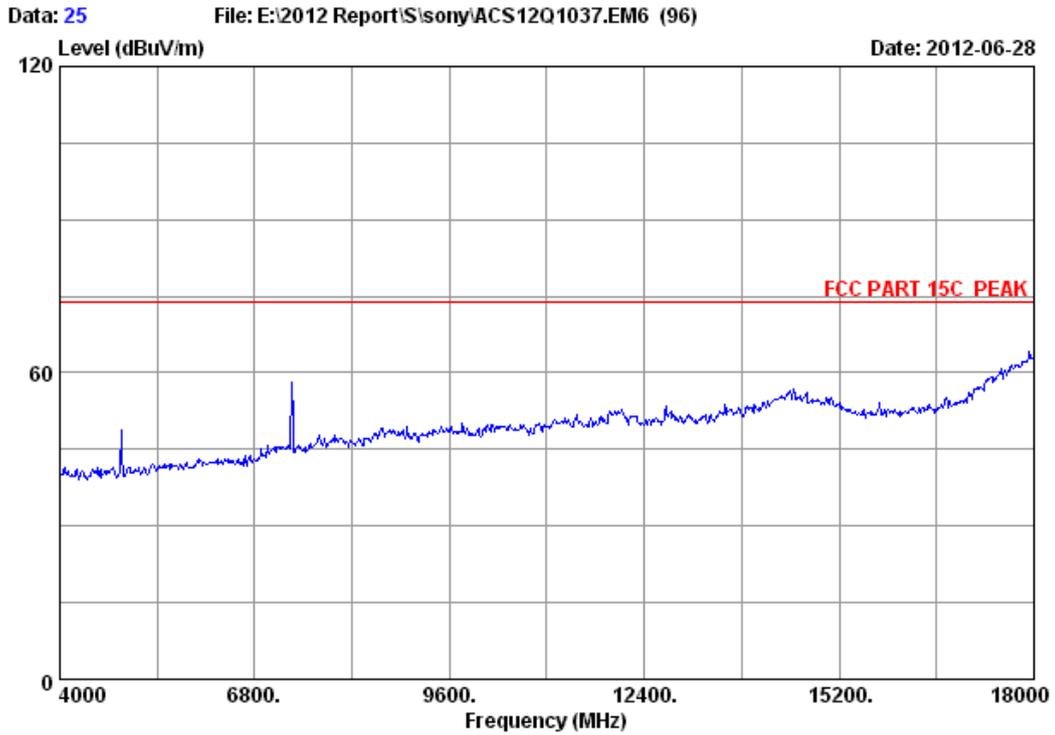


Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

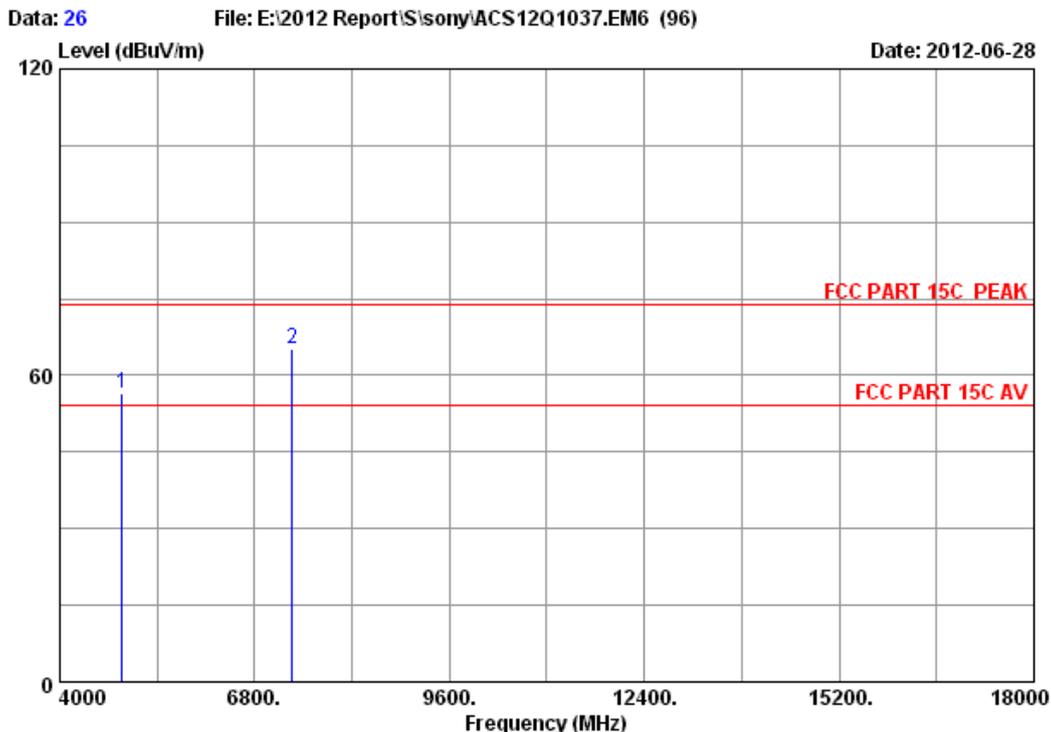
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2410.875	27.98	6.03	34.44	107.42	106.99	74.00	-32.99	Peak
2	3214.000	30.46	7.16	34.52	43.18	46.28	74.00	27.72	Peak

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.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/66% Engineer : Leo-Li
EUT : VIDEO NURSERY MONITOR
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : CH9 2444.625MHz TX
M/N : NTM-V1T



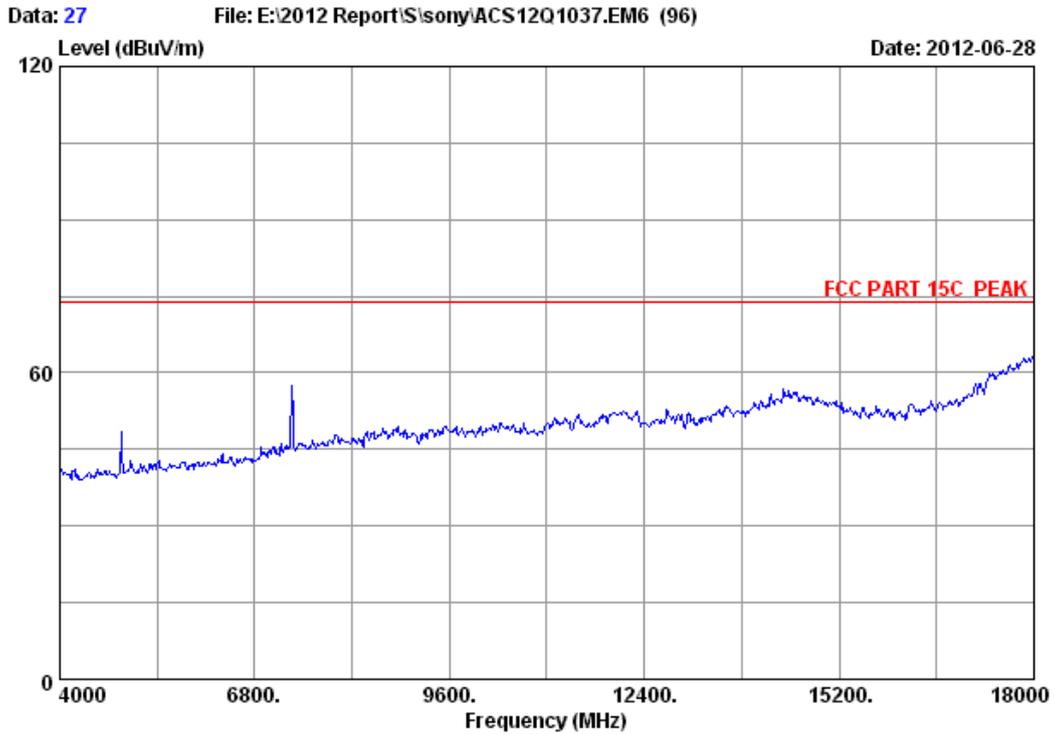
Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH9 2444.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4889.250	33.01	8.59	34.60	49.51	56.51	74.00	17.49	Peak
2	7333.875	36.10	10.48	34.73	53.27	65.12	74.00	8.88	Peak

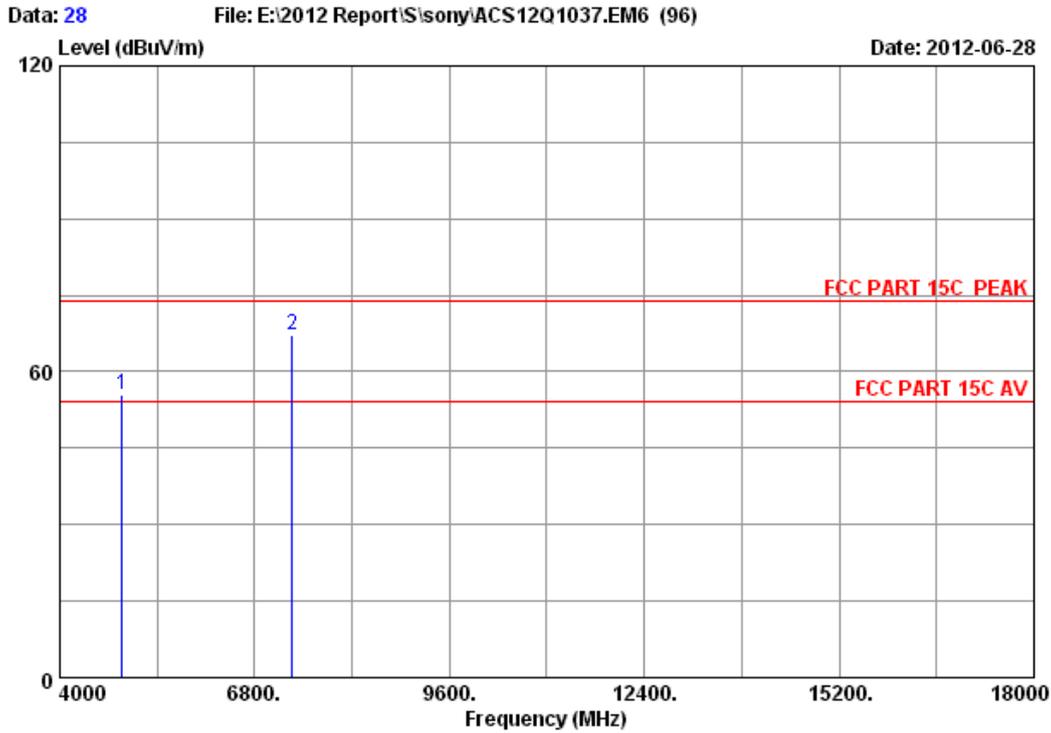
Remarks:

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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
4889.250	56.51	16.7	39.81	54	Pass
7333.875	65.12	16.7	48.42	54	Pass



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/66% Engineer : Leo-Li
EUT : VIDEO NURSERY MONITOR
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : CH9 2444.625MHz TX
M/N : NTM-V1T



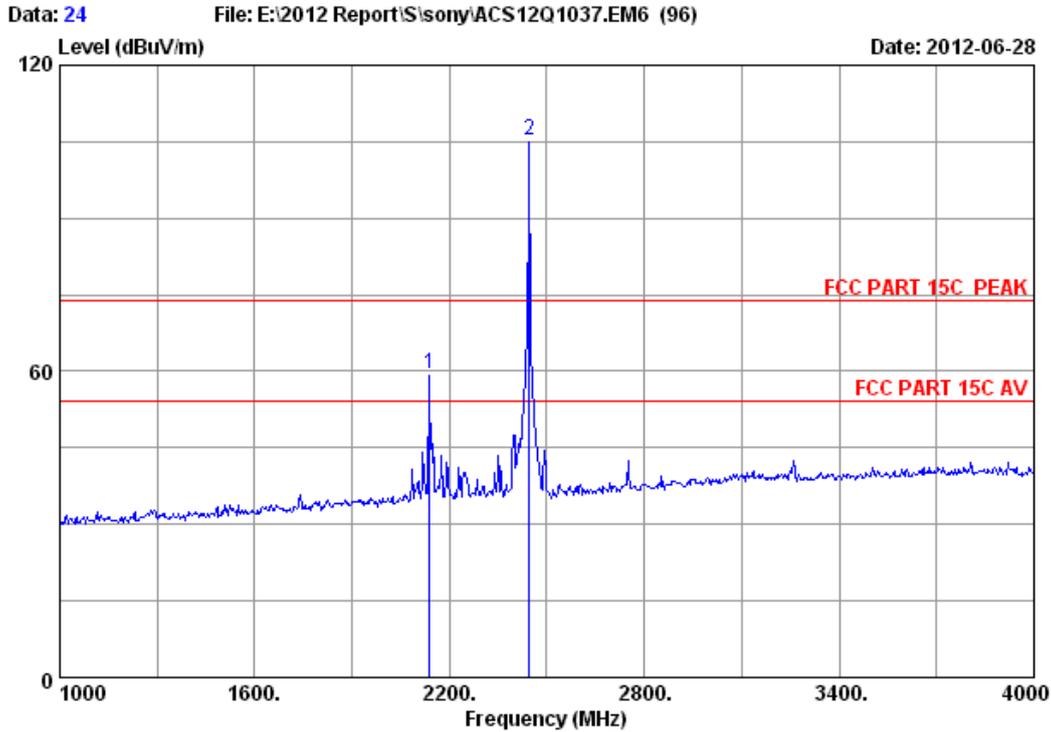
Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH9 2444.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4889.250	33.01	8.59	34.60	48.44	55.44	74.00	18.56	Peak
2	7333.875	36.10	10.48	34.73	55.31	67.16	74.00	6.84	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)	Peak level (dBUV/m)	Duty cycle factor(dB)	AV level (dBUV/m)	Limit (dBUV/m)	Conclusion
4889.250	55.44	16.7	38.74	54	Pass
7333.875	67.16	16.7	50.46	54	Pass



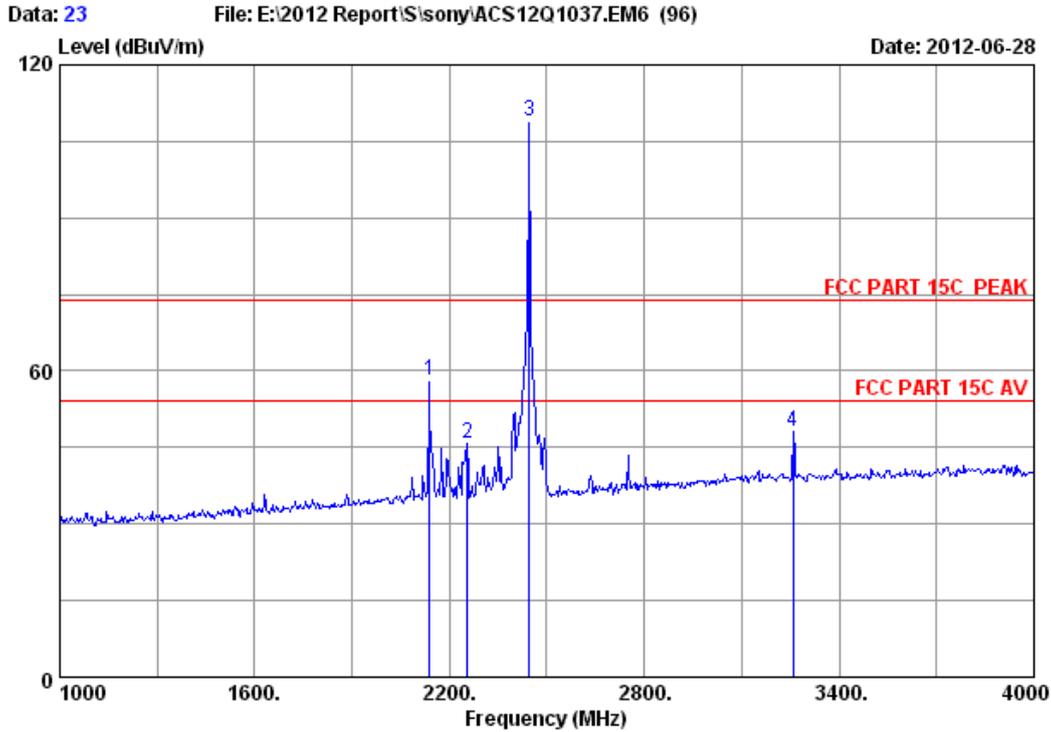
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH9 2444.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2138.840	27.59	5.61	34.42	60.73	59.51	74.00	14.49	Peak
2	2444.625	28.03	6.09	34.44	105.63	105.31	74.00	-31.31	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2138.840	59.51	16.7	42.81	54	Pass



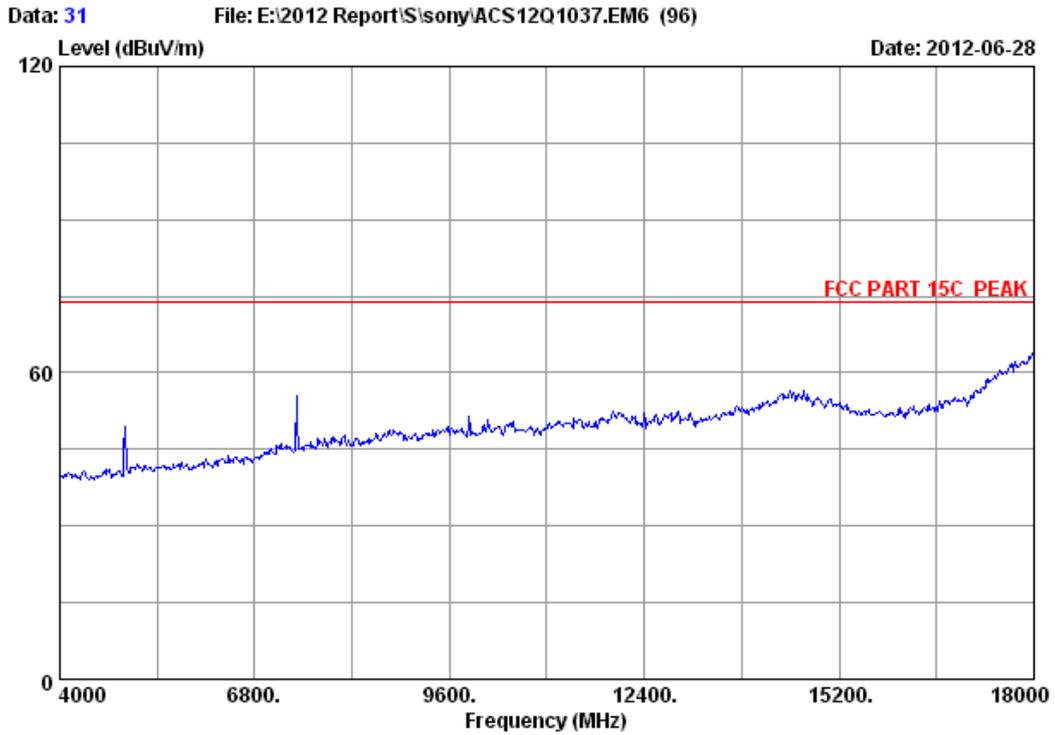
Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH9 2444.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2138.800	27.59	5.61	34.42	59.26	58.04	74.00	15.96	Peak
2	2254.000	27.76	5.78	34.43	46.54	45.65	74.00	28.35	Peak
3	2444.625	28.03	6.09	34.44	109.12	108.80	74.00	-34.80	Peak
4	3259.000	30.57	7.19	34.52	44.98	48.22	74.00	25.78	Peak

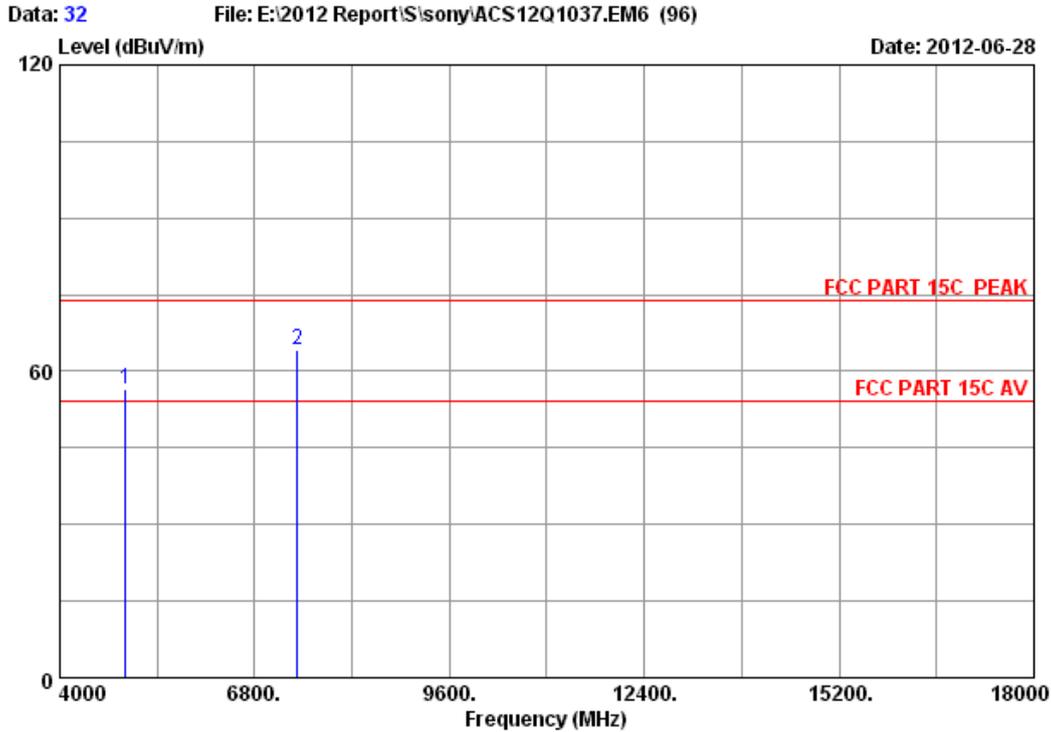
Remarks:

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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2138.800	58.04	16.7	41.34	54	Pass



Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/66% Engineer : Leo-Li
EUT : VIDEO NURSERY MONITOR
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : CH18 2471.625MHz TX
M/N : NTM-V1T



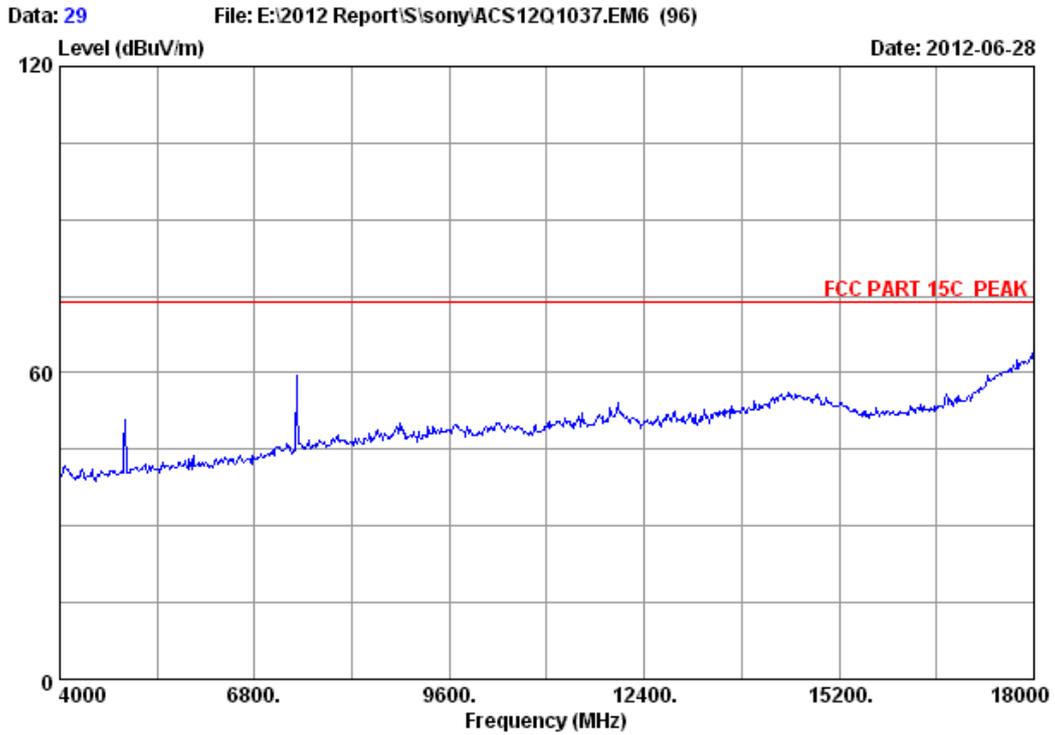
Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH18 2471.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4943.250	33.11	8.64	34.60	49.38	56.53	74.00	17.47	Peak
2	7414.875	36.28	10.50	34.74	52.18	64.22	74.00	9.78	Peak

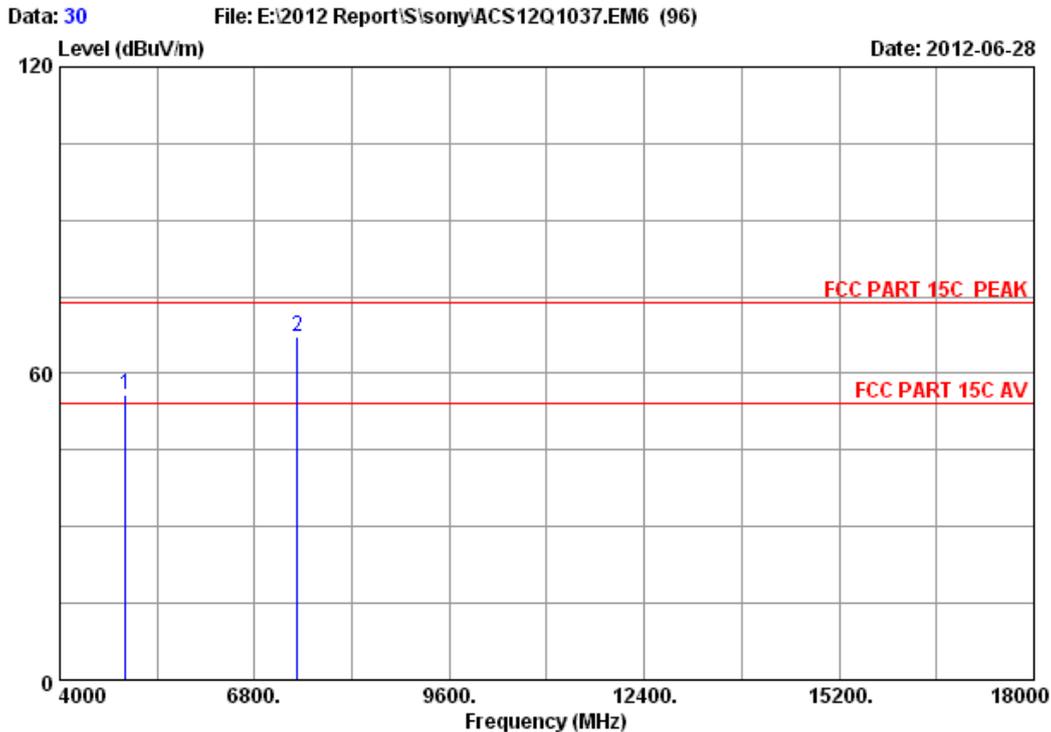
Remarks:

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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
4943.250	56.53	16.7	39.83	54	Pass
7414.875	64.22	16.7	47.52	54	Pass



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/66% Engineer : Leo-Li
EUT : VIDEO NURSERY MONITOR
Power supply : DC 5V From Adapter Input AC 120V/60Hz
Test mode : CH18 2471.625MHz TX
M/N : NTM-V1T



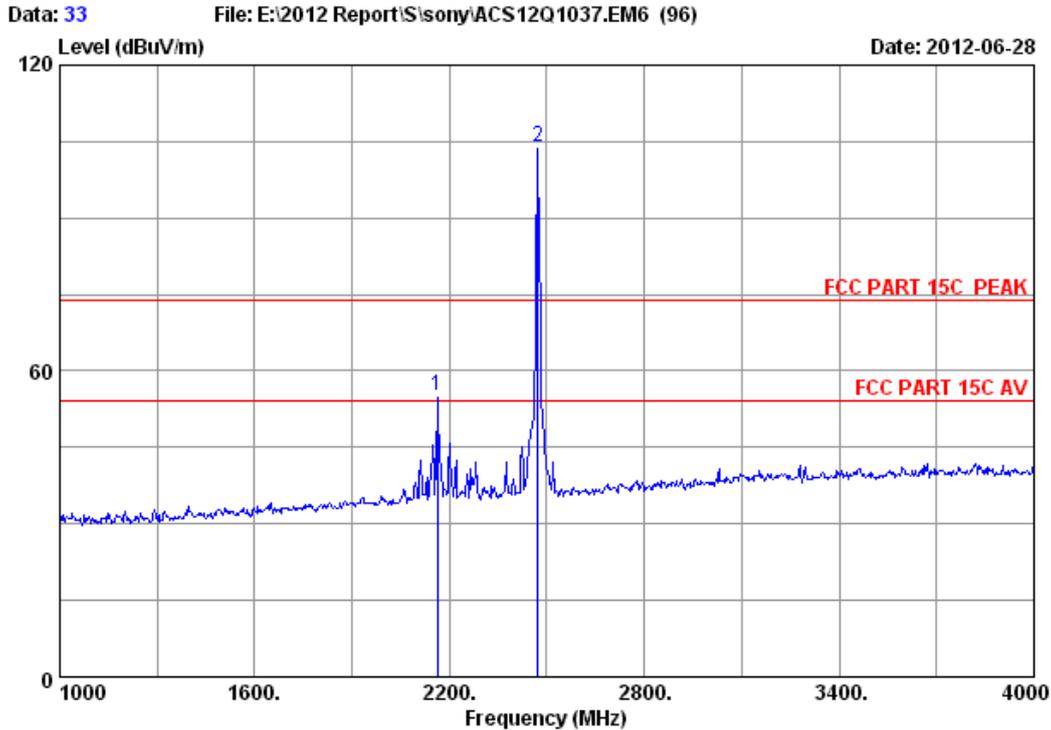
Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH18 2471.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4943.250	33.11	8.64	34.60	48.71	55.86	74.00	18.14	Peak
2	7414.875	36.28	10.50	34.74	55.24	67.28	74.00	6.72	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
4943.250	55.86	16.7	39.16	54	Pass
7414.875	67.28	16.7	50.58	54	Pass



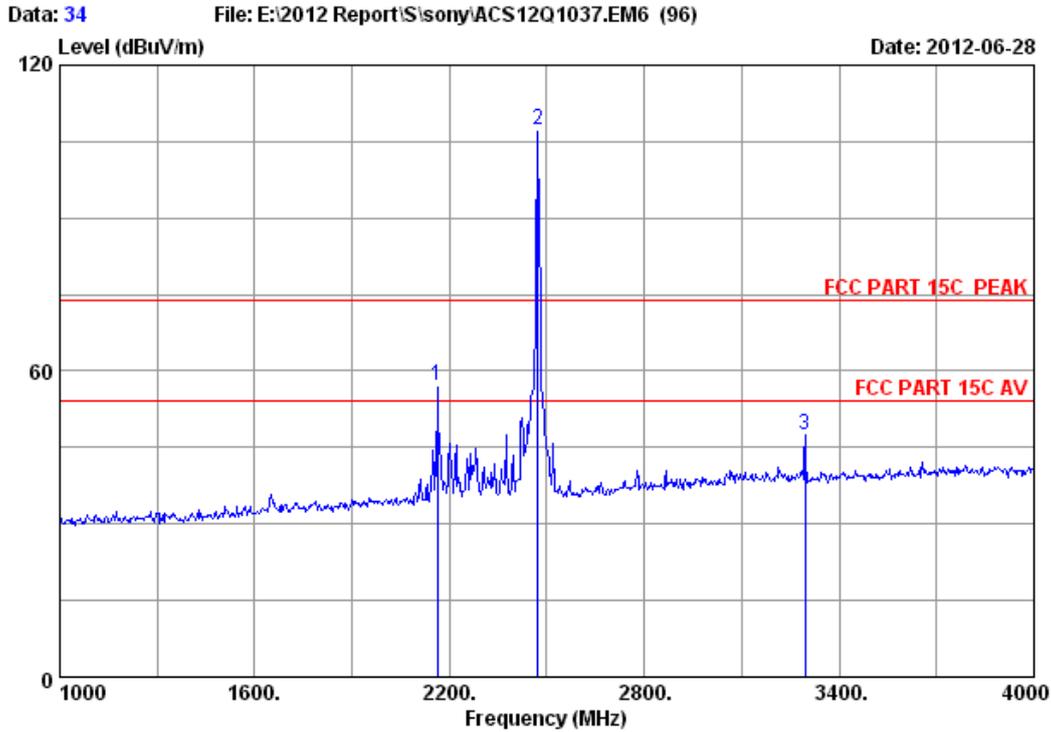
Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH18 2471.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2162.970	27.62	5.64	34.42	56.47	55.31	74.00	18.69	Peak
2	2471.625	28.08	6.12	34.45	104.22	103.97	74.00	-29.97	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2162.970	55.31	16.7	38.61	54	Pass



Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH18 2471.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2162.970	27.62	5.64	34.42	58.29	57.13	74.00	16.87	Peak
2	2471.625	28.08	6.12	34.45	107.41	107.16	74.00	-33.16	Peak
3	3295.000	30.64	7.22	34.53	44.15	47.48	74.00	26.52	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2162.970	57.13	16.7	40.43	54	Pass

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

5.3. Test Procedure

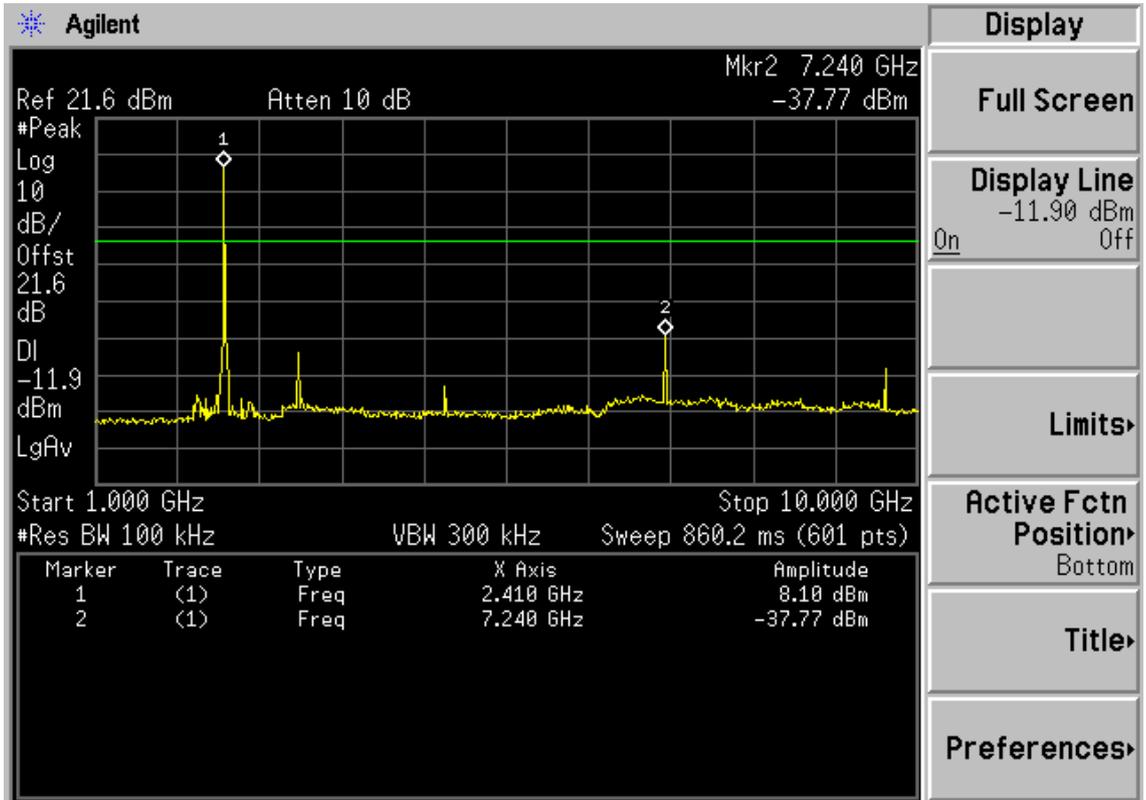
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

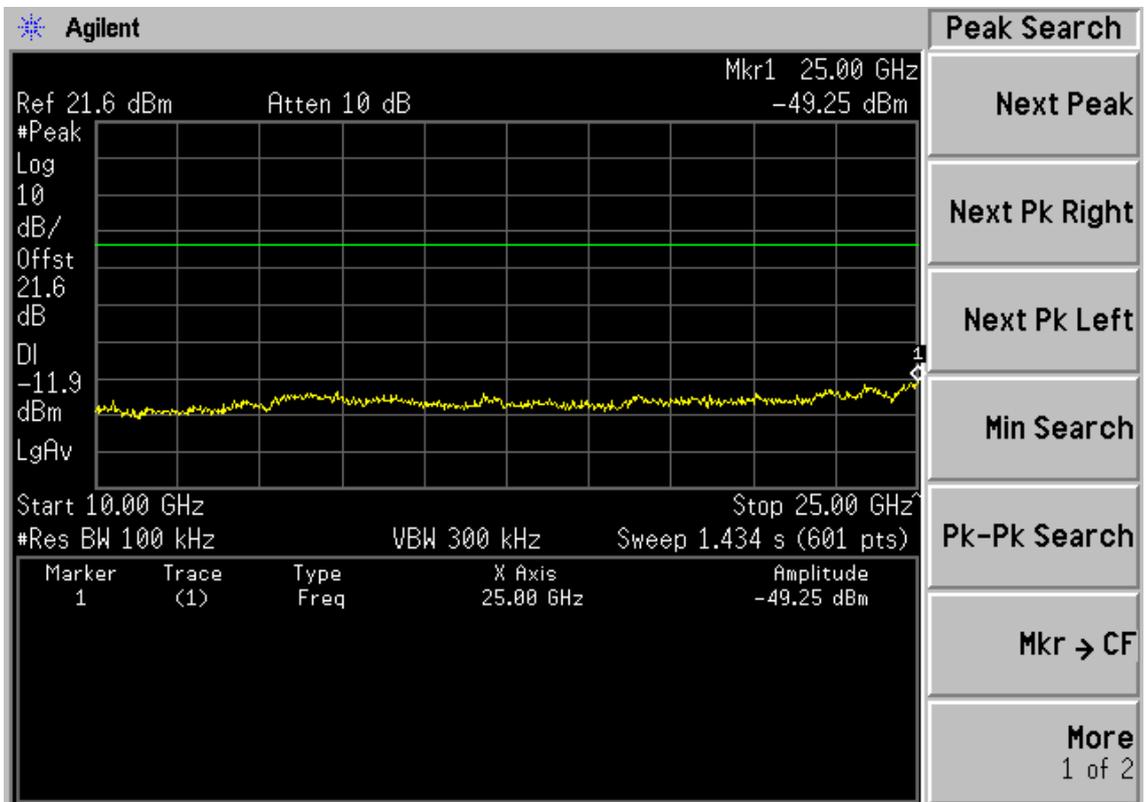
PASS (The testing data was attached in the next pages.)

GFSK

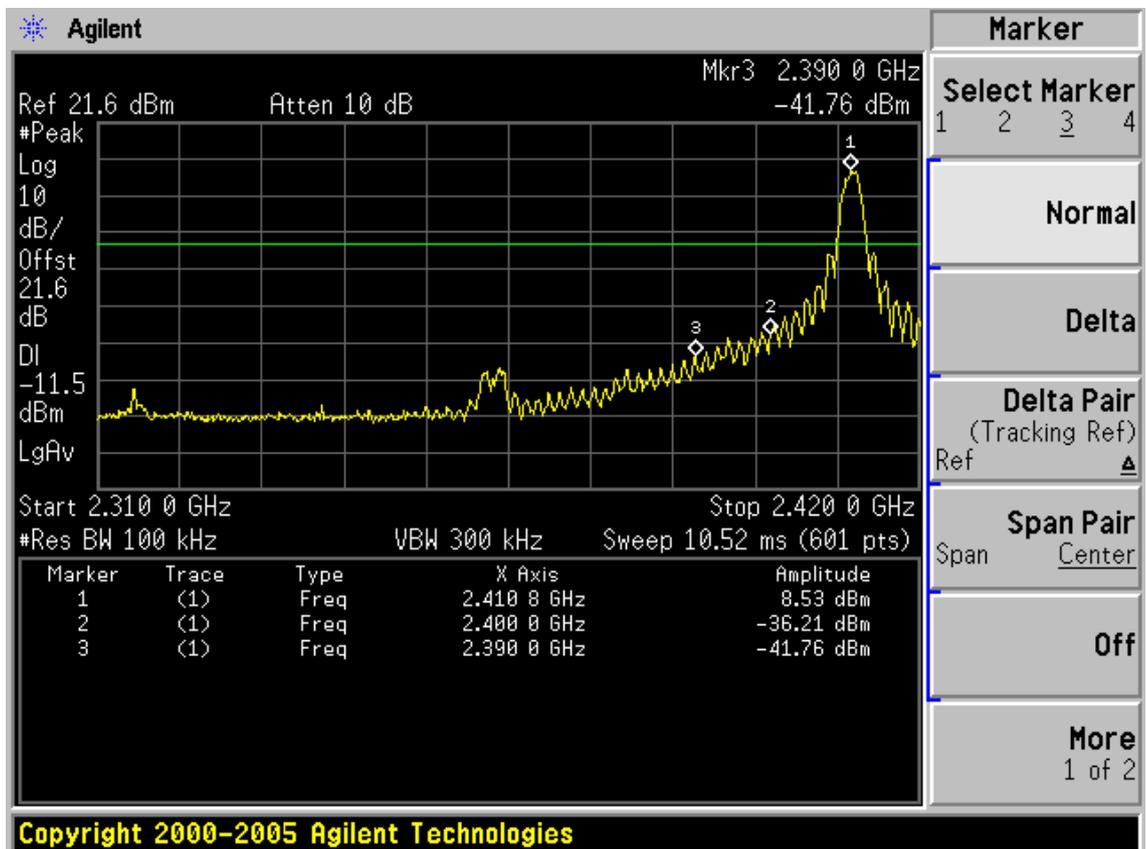
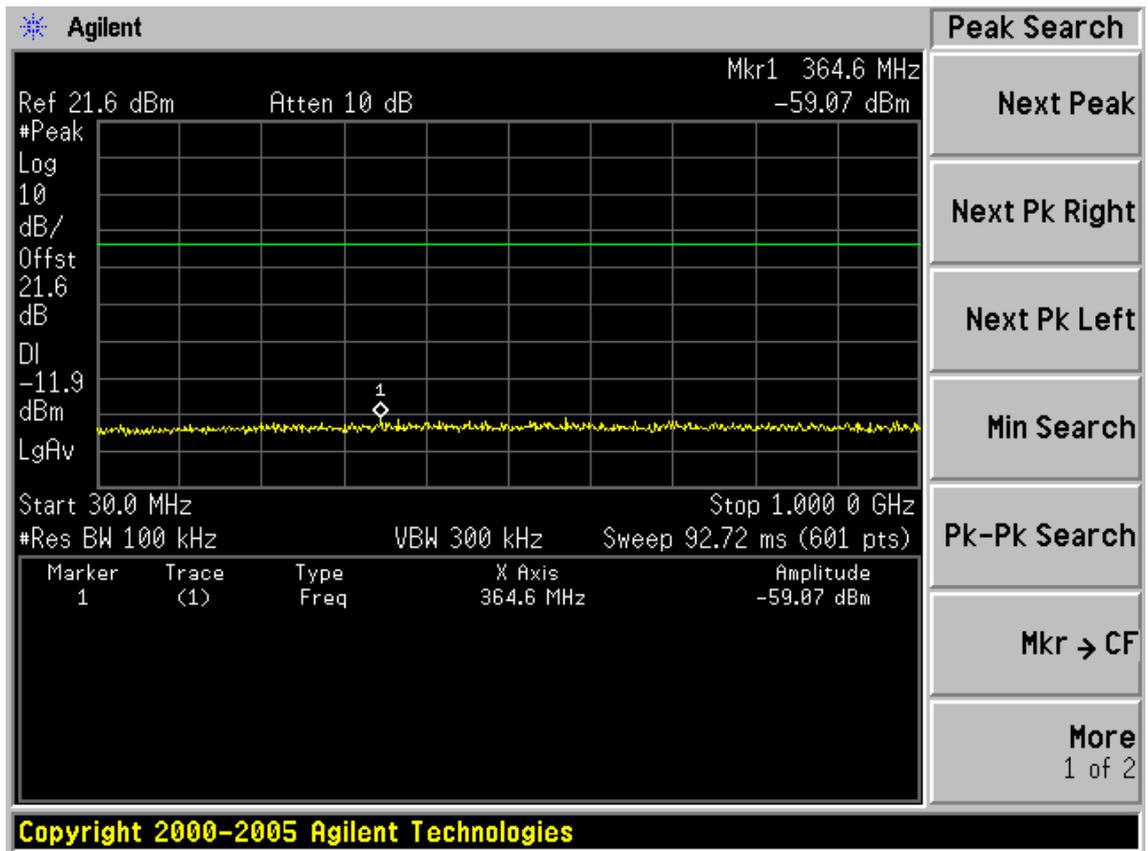
CH0: 2410.875MHz



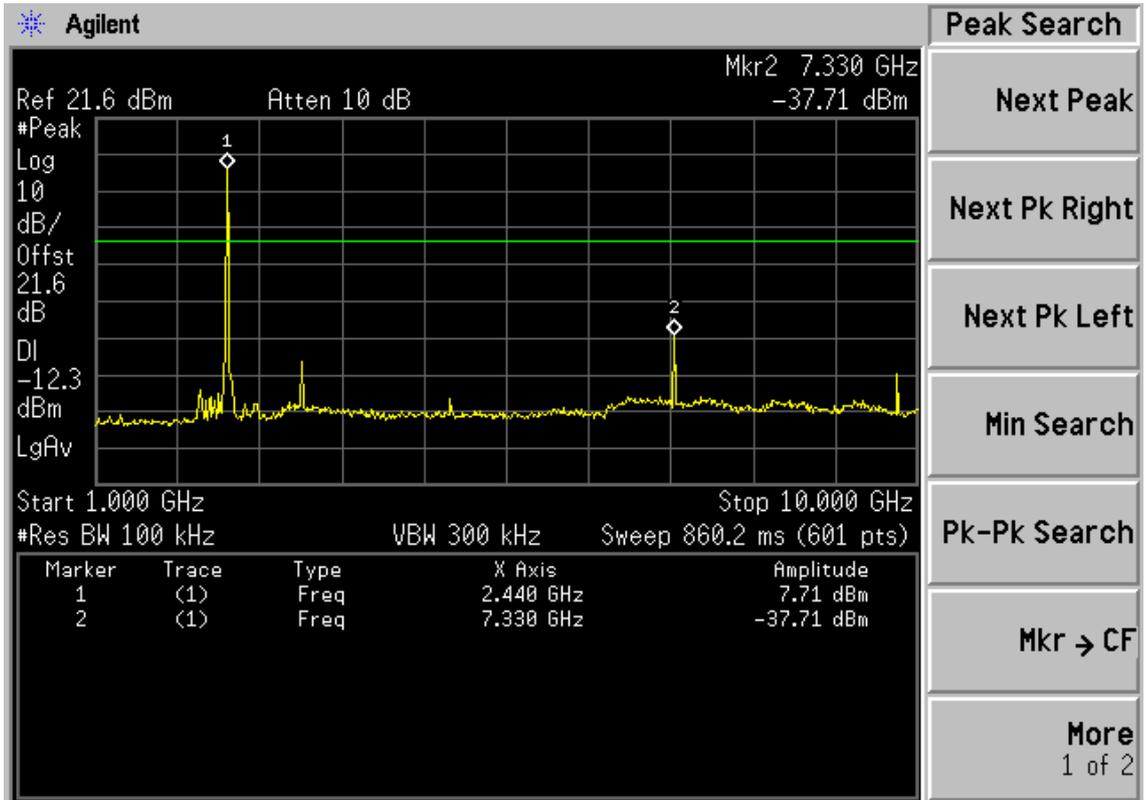
Copyright 2000-2005 Agilent Technologies



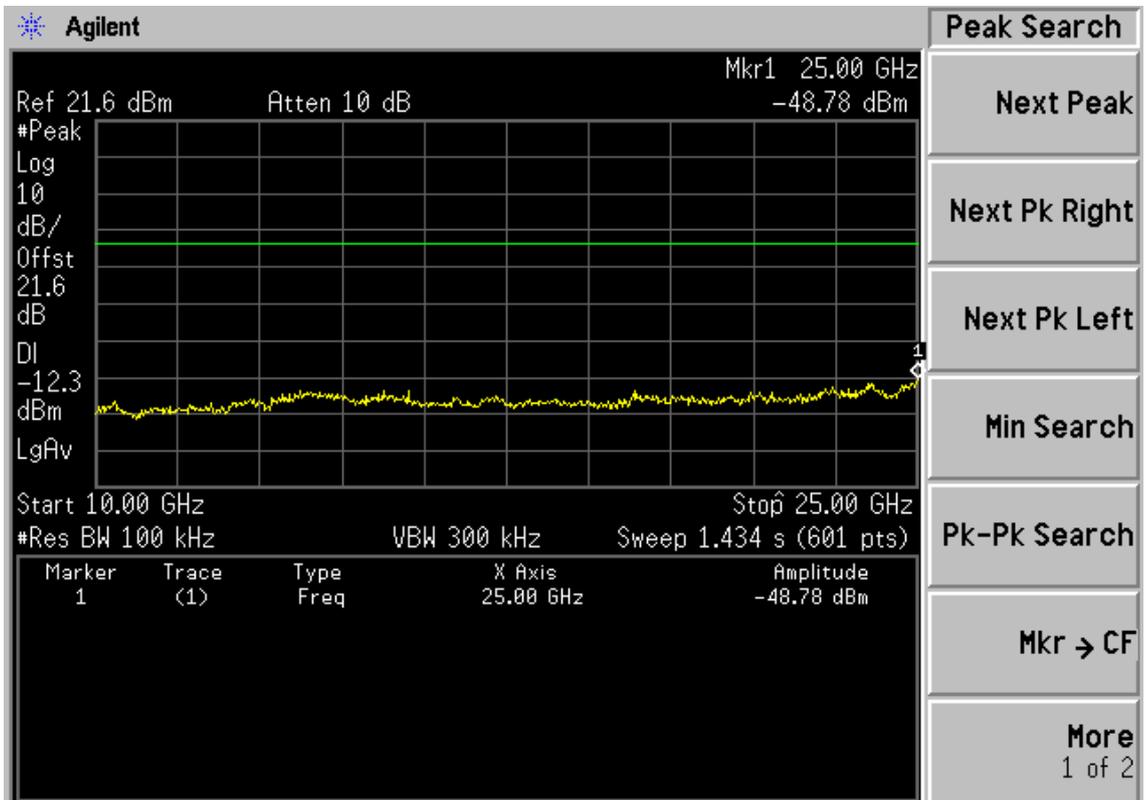
Copyright 2000-2005 Agilent Technologies



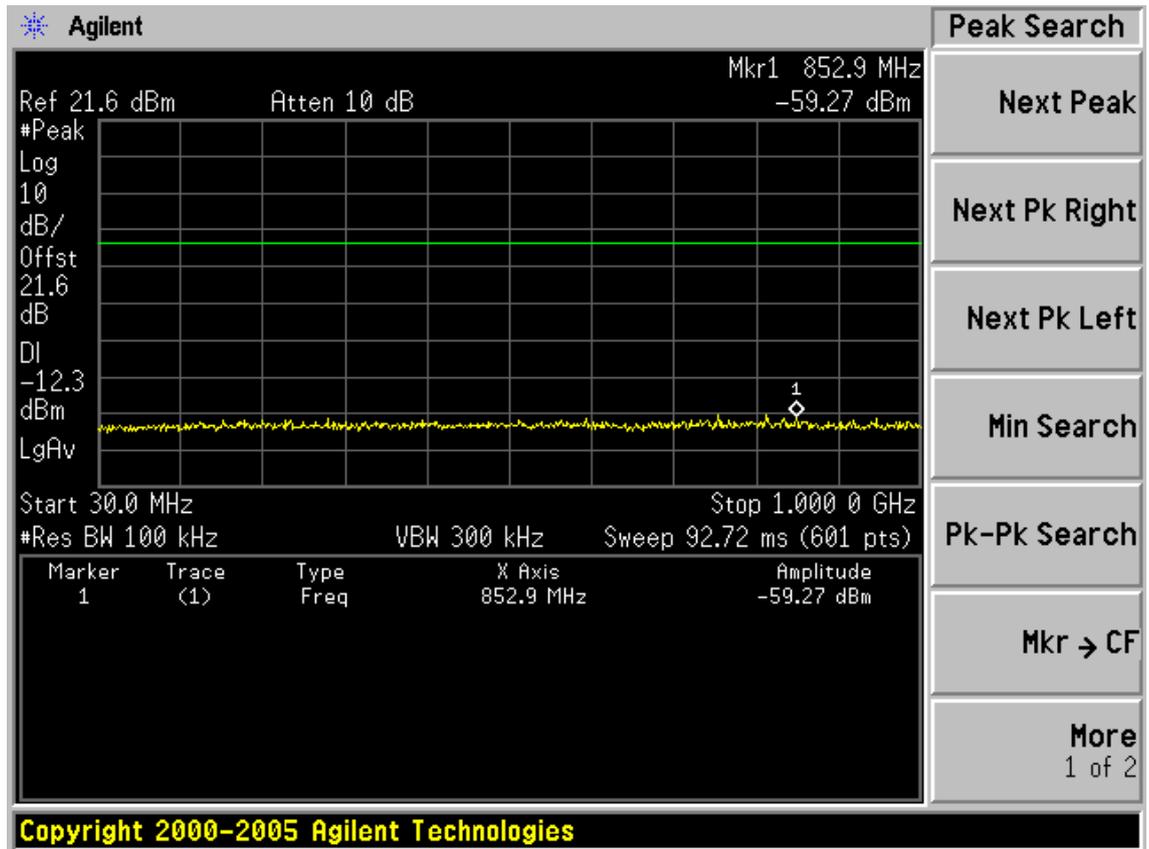
CH9: 2444.625MHz



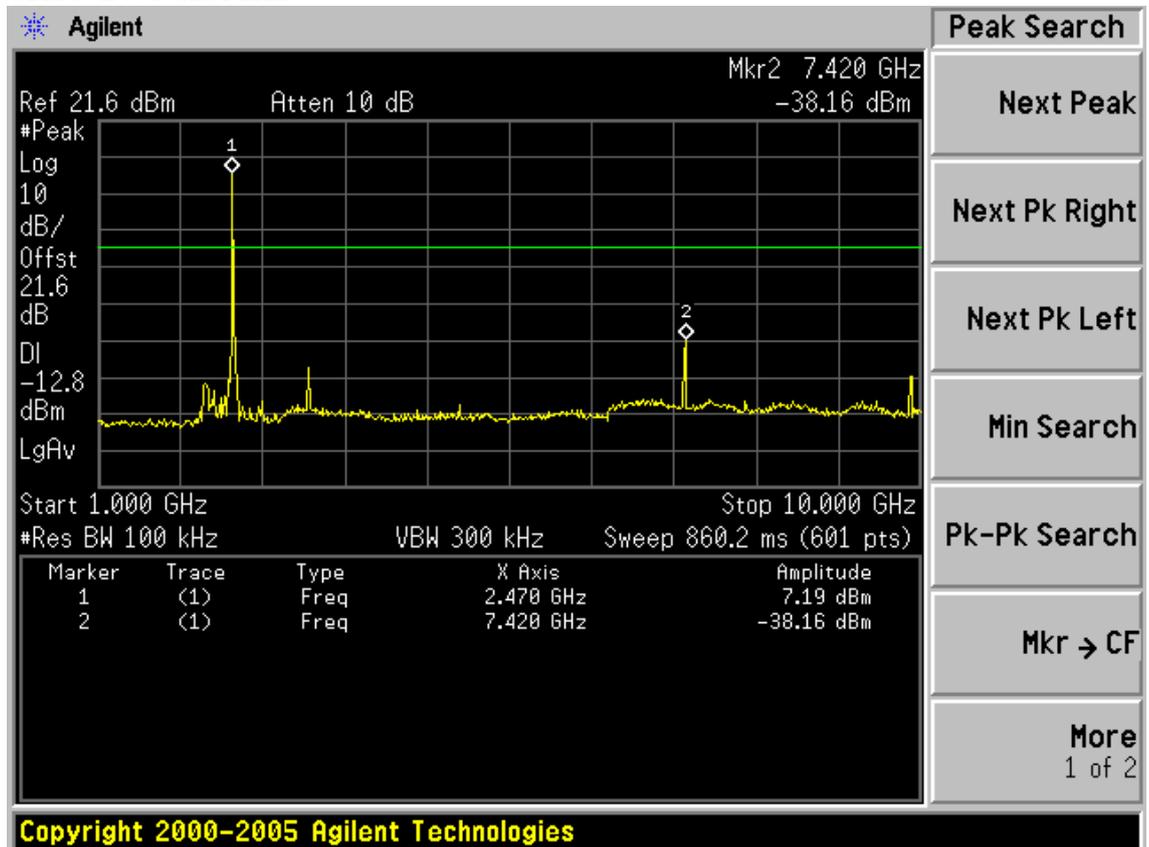
Copyright 2000-2005 Agilent Technologies

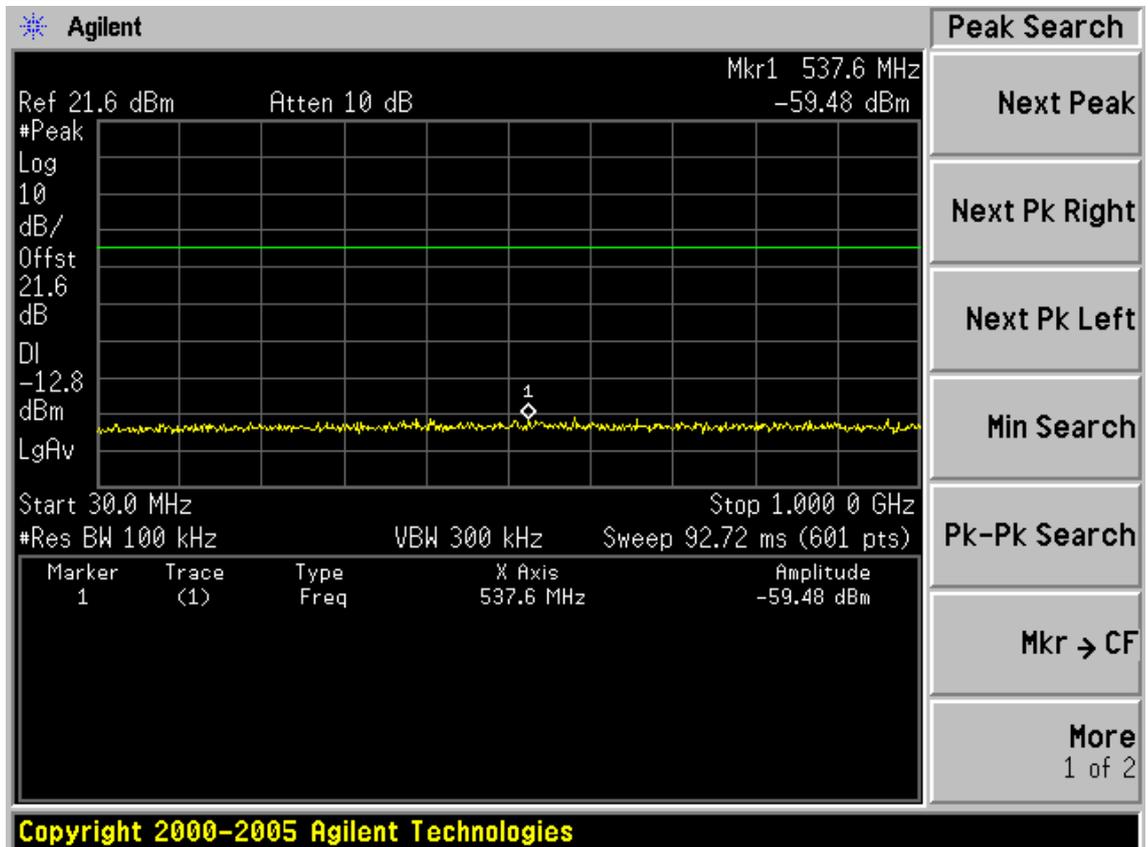
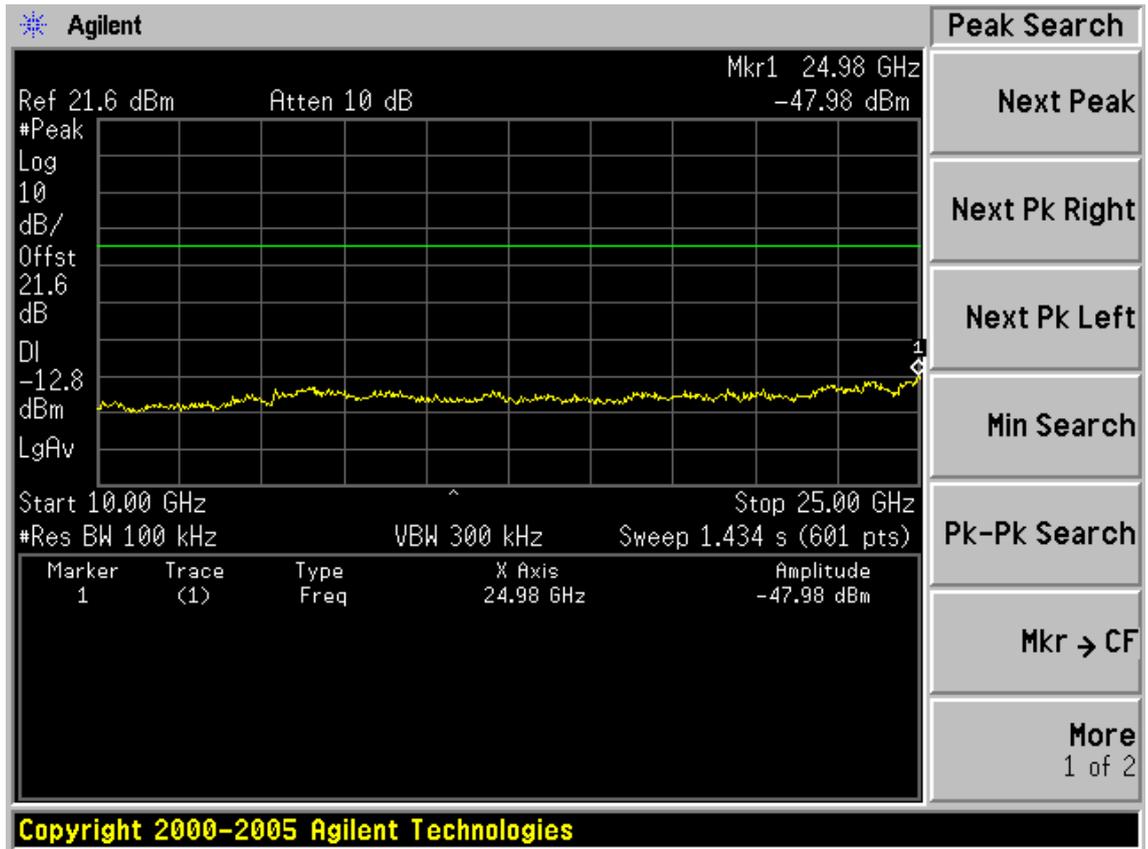


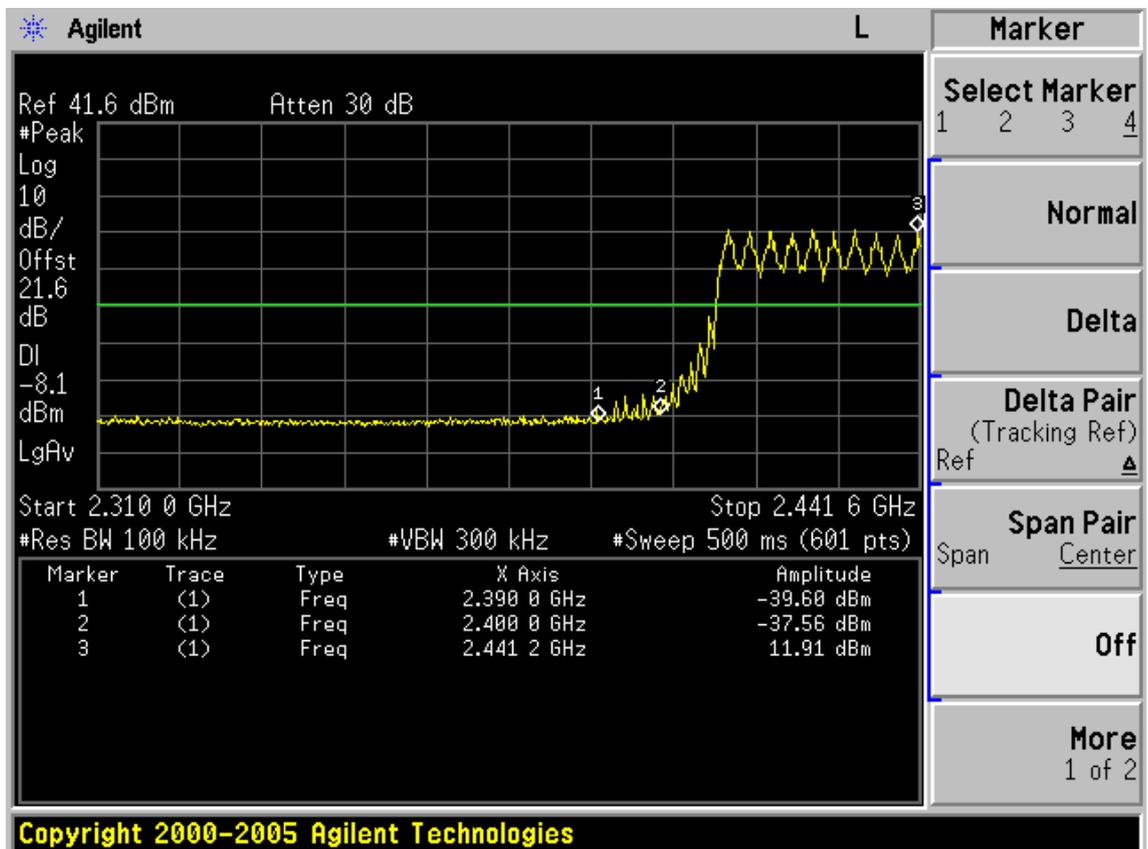
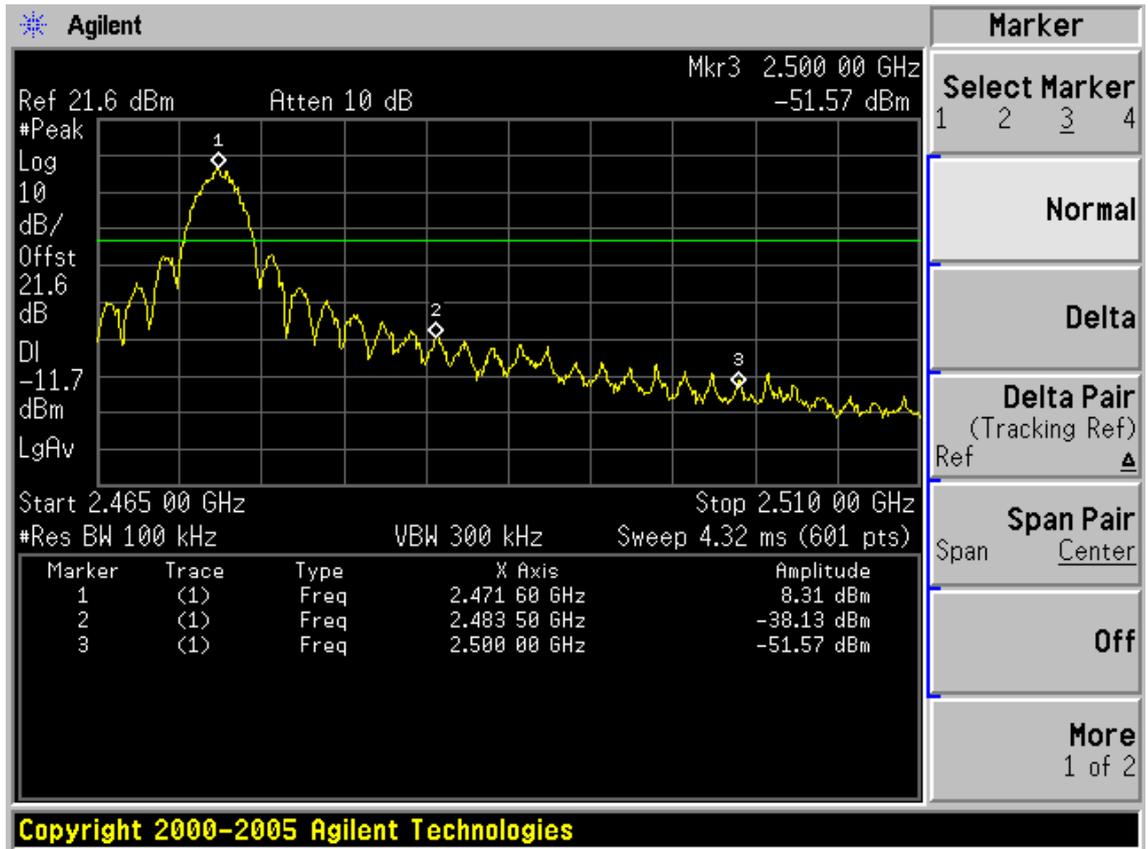
Copyright 2000-2005 Agilent Technologies

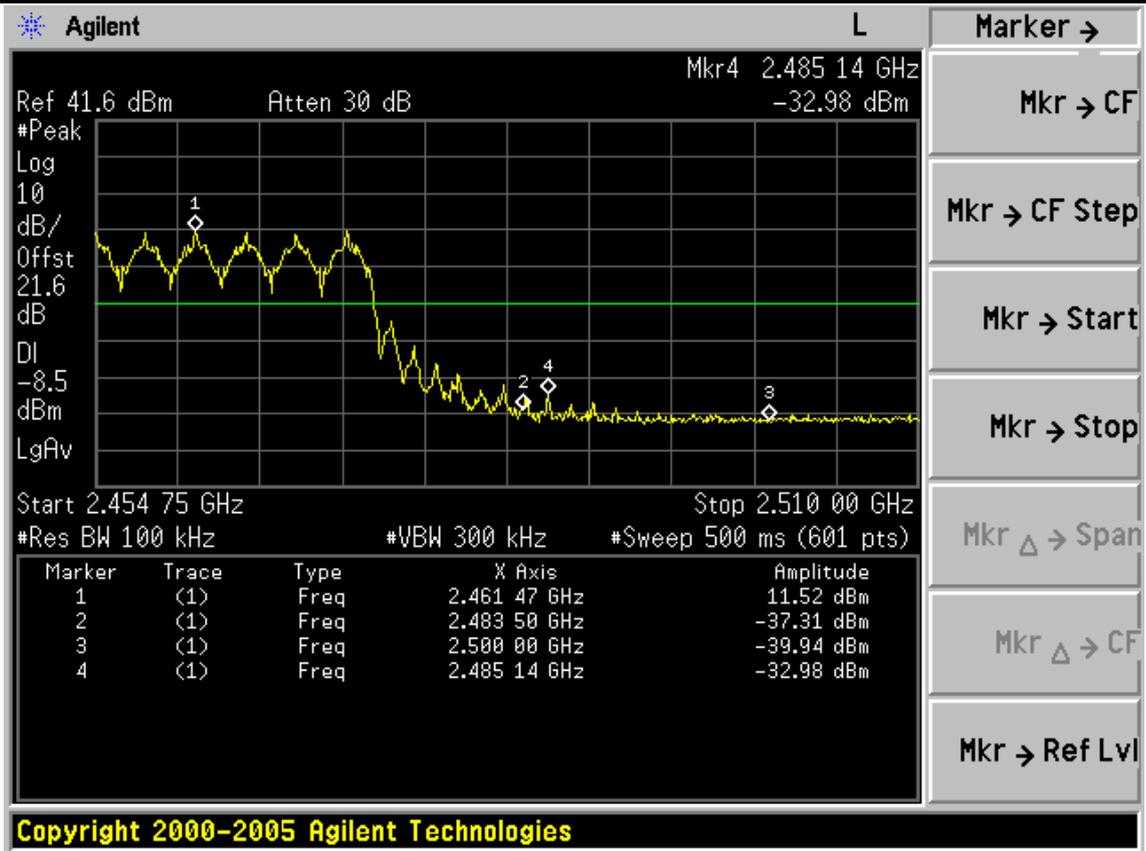


CH18: 2471.625MHz









6. CARRIER FREQUENCY SEPARATION TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 12	1 Year

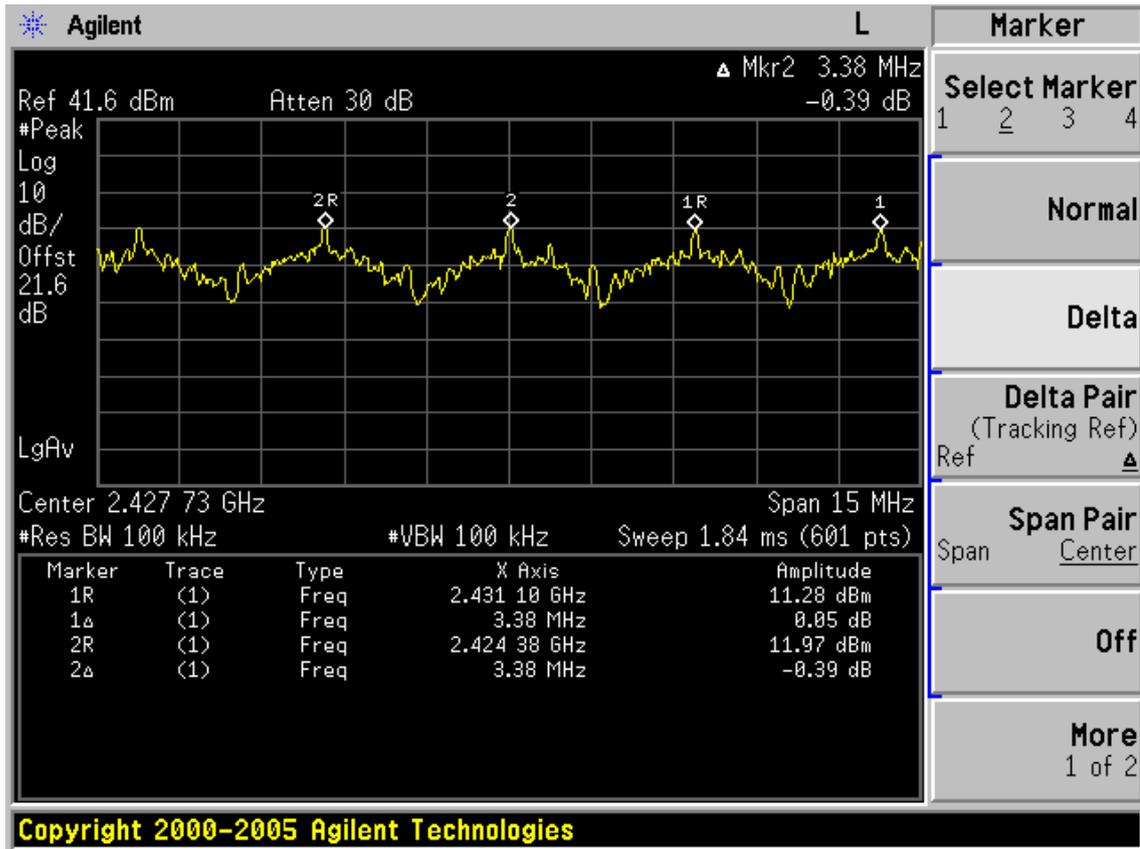
6.2. Limit

Frequency hopping systems shall have hopping channel carrier frequency separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

6.3. Test Results.

EUT: VIDEO NURSERY MONITOR		
M/N: NTM-V1T		
Test date: 2012-06-23	Pressure: 101.4kpa	Humidity: 50.7%
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.7 °C

Channel separation	Conclusion
3.38MHz	PASS



7. 20 DB BANDWIDTH TEST

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

7.2. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

7.3. Test Results

EUT: VIDEO NURSERY MONITOR		
M/N: NTM-V1T		
Test date: 2012-06-24	Pressure: 101.2kpa	Humidity: 51.2%
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.3 °C

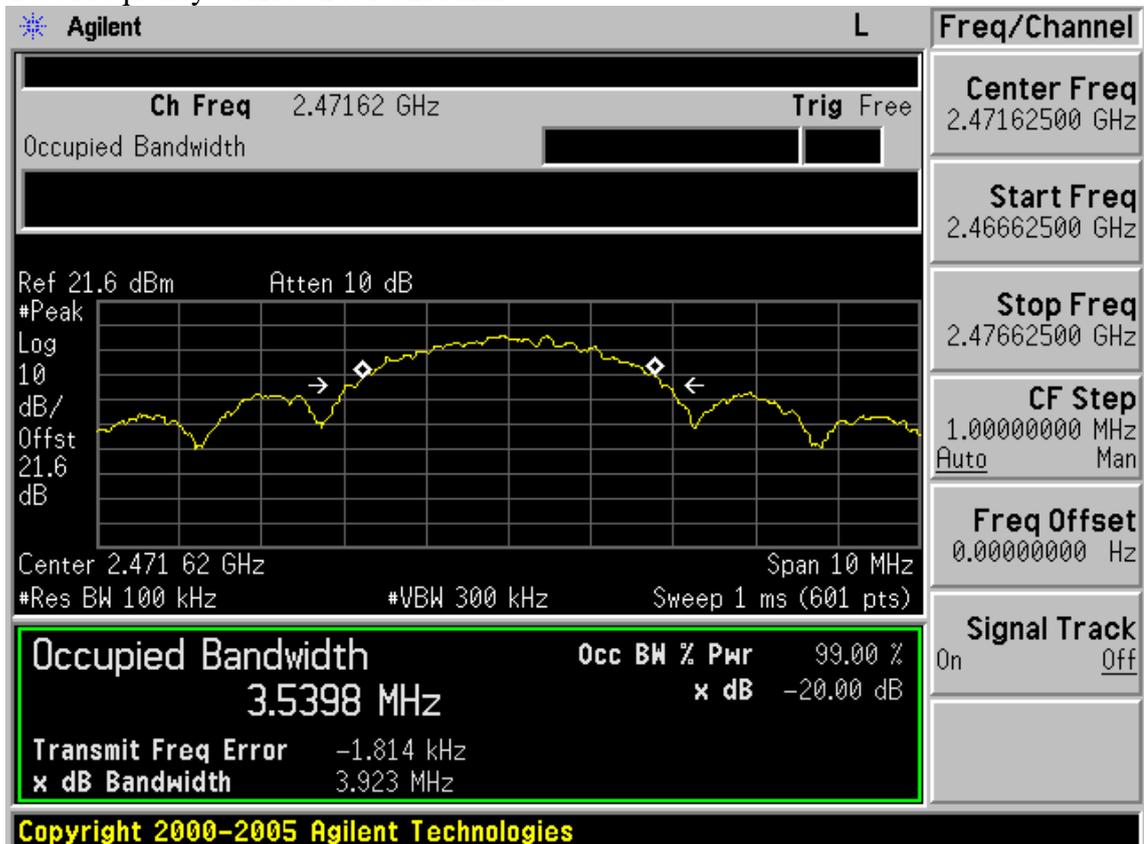
Cable loss: 1.6 dB		Attenuator loss: 20 dB	
Test Mode	CH	20dB bandwidth (MHz)	Limit (KHz)
Tx	H0	3.913	N/A
	H9	3.923	N/A
	H18	3.901	N/A
Conclusion : PASS			

GFSK

Test Frequency: CH0: 2410.875MHz



Test Frequency: CH18: 2471.625MHz



Test Frequency: CH9: 2444.625MHz



8. NUMBER OF HOPPING FREQUENCY TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

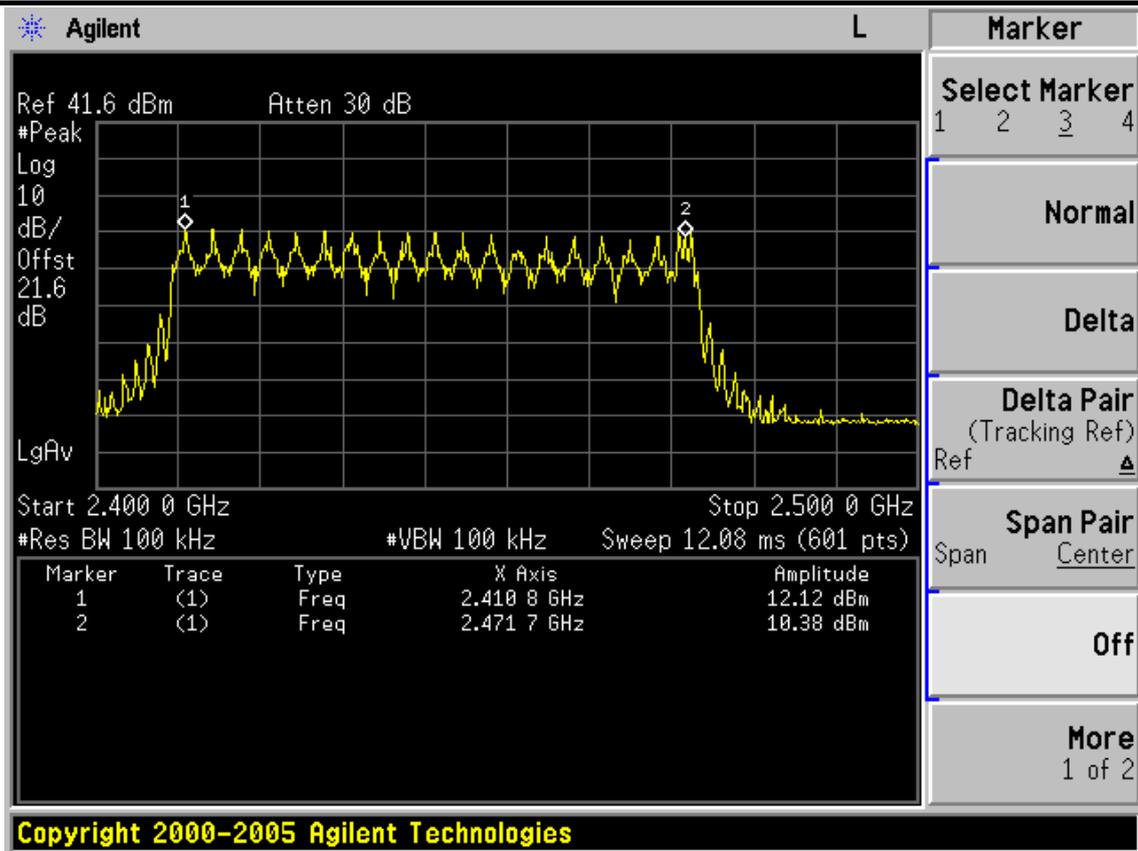
8.2. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

8.3. Test Results

EUT: VIDEO NURSERY MONITOR		
M/N: NTM-V1T		
Test date: 2012-06-23	Pressure: 101.4kpa	Humidity: 50.7%
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.7 °C

Number of channel	Limit	Conclusion
19	≥ 15	PASS



9. DWELL TIME

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

9.2. Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

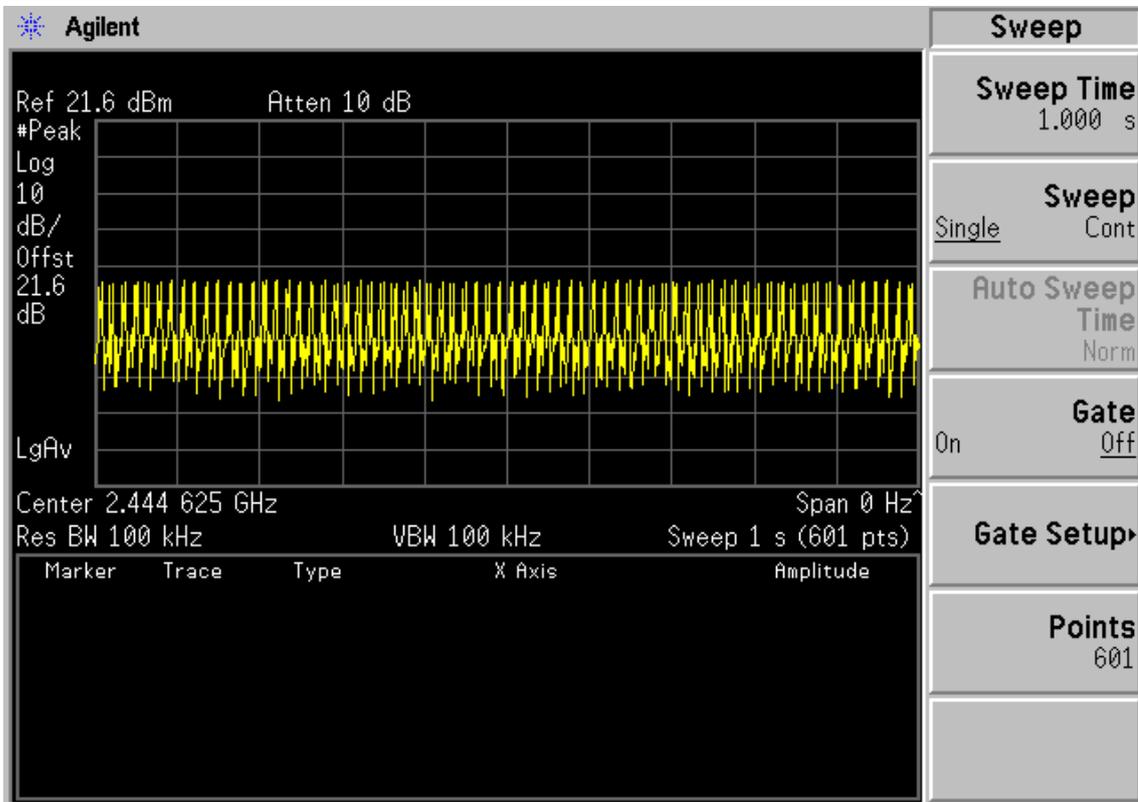
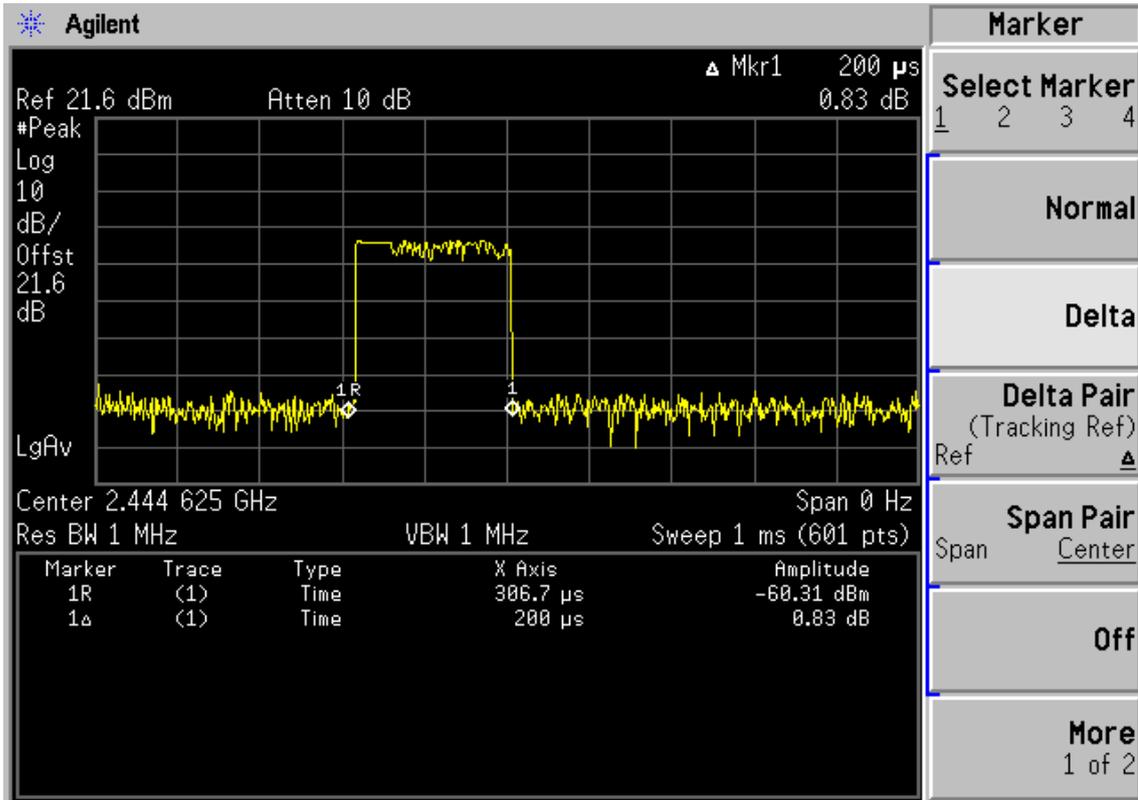
9.3. Test Results

EUT: VIDEO NURSERY MONITOR		
M/N: NTM-V1T		
Test date: 2012-06-23	Pressure: 101.4kpa	Humidity: 50.7%
Tested by: Leo-Li	Test site: RF Site	Temperature : 24.7 °C

Mode	dwel time	Limit	Conclusion
GFSK	$70\text{hops}/1\text{s} * 0.4 * 19\text{chanel s} * 0.2\text{ms} = 106.4\text{ms}$	<400ms	PASS

Note: All the lower levels were signal from receiver's, and should not considered in here.

GFSK



10. MAXIMUM PEAK OUTPUT POWER TEST

10.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

10.2. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

10.3. Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer.
2. Set the RBW> Bandwidth of test Frequency and put the test Frequency, Set the Span large enough to capture the entire signal
3. Use a peak detector on max hold
4. Reading the value from the Spectrum analyzer

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

10.4.Test Results

EUT: VIDEO NURSERY MONITOR			
M/N: NTM-V1T			
Test date: 2012-06-25		Pressure: 101.3 kpa	Humidity: 55.5 %
Tested by: Leo-Li		Test site: RF site	Temperature: 22.4 °C
Cable loss: 1.6 dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	Peak output Power (dBm)	Limit (dBm)
Tx	CH0	14.14	21
	CH9	13.63	21
	CH18	13.22	21
Conclusion: PASS			

11. BAND EDGE COMPLIANCE TEST

11.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,12	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,12	1Year

11.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

11.3. Test Produce

For upper band emissions that are up to two bandwidths(2MHz) away (2483.5MHz to 2485.5MHz) from the band-edge use below produce:

1. Choose a spectrum analyzer span that encompasses both the peak of the fundamental emission and the band-edge emission under investigation. Set the analyzer RBW to 100KHz and with a video bandwidth 300KHz. Record the peak levels of the fundamental emission and the relevant band-edge emission, Observe the stored trace and measure the amplitude delta between the peak of the fundamental and the peak of the band-edge emission. This is not a field strength measurement, it is only a relative measurement to determine the amount by which the emission drops at the band edge relative to the highest fundamental emission level.
2. Subtract the delta measured in step (1) from the maximum field strengths measured in clause 4 .The resultant field strengths are then used to determine band-edge compliance as required by Section 15.205

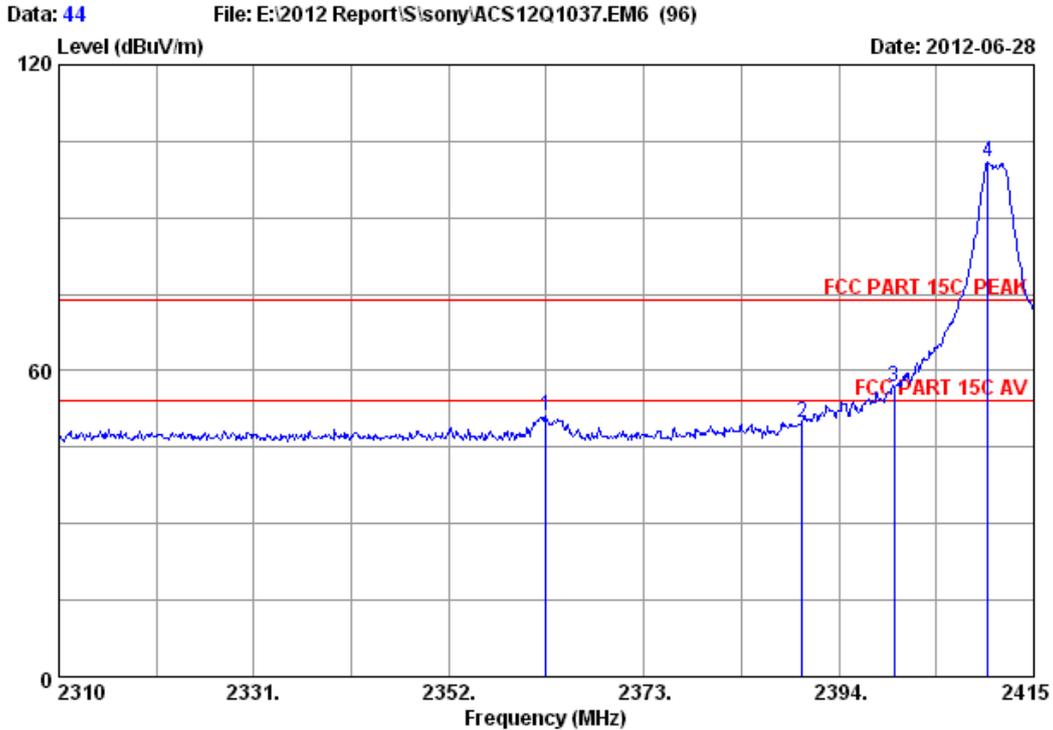
For emissions above two bandwidths away from the band-edge use below produce:

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
 - (a) PEAK: RBW=1MHz ;VBW=3MHz, PK detector, Sweep=AUTO
 - (b)This device is pulse modulated, a duty cycle factor was used to calculate average level based measured peak level

11.4. Test Results

Pass (The testing data was attached in the next pages.)

Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

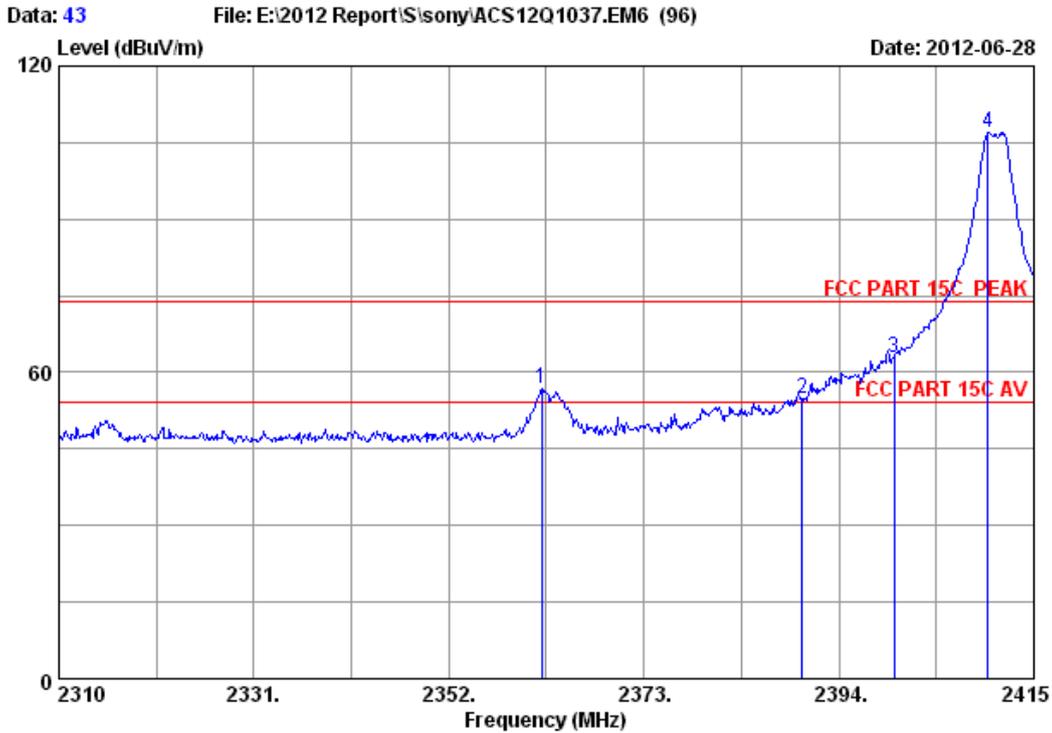


Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2362.500	27.91	5.95	34.44	51.78	51.20	74.00	22.80	Peak
2	2390.000	27.96	6.01	34.44	50.16	49.69	74.00	24.31	Peak
3	2400.000	27.96	6.01	34.44	57.34	56.87	74.00	17.13	Peak
4	2410.065	27.98	6.03	34.44	101.28	100.85	74.00	-26.85	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.



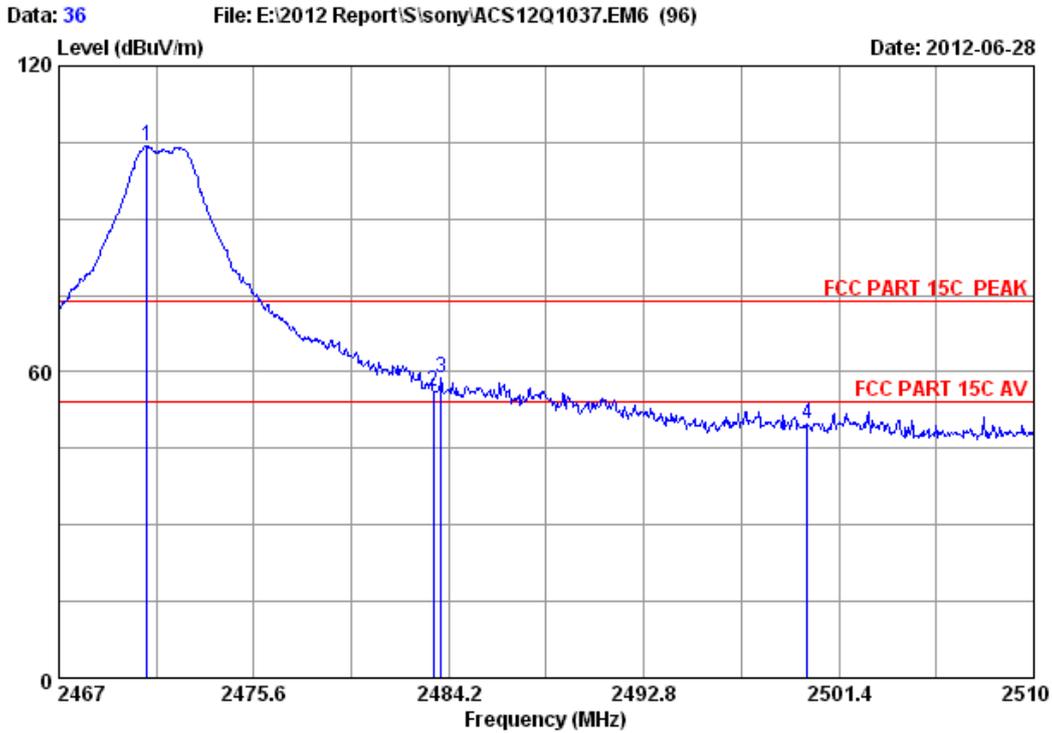
Site no. : 3m Chamber Data no. : 43
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CHO 2410.875MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2361.975	27.91	5.95	34.44	57.37	56.79	74.00	17.21	Peak
2	2390.000	27.96	6.01	34.44	55.14	54.67	74.00	19.33	Peak
3	2400.000	27.96	6.01	34.44	63.33	62.86	74.00	11.14	Peak
4	2410.065	27.98	6.03	34.44	107.44	107.01	74.00	-33.01	Peak

Remarks:

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

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2361.975	56.79	16.7	40.09	54	Pass
2390.000	54.67	16.7	37.97	54	Pass



```

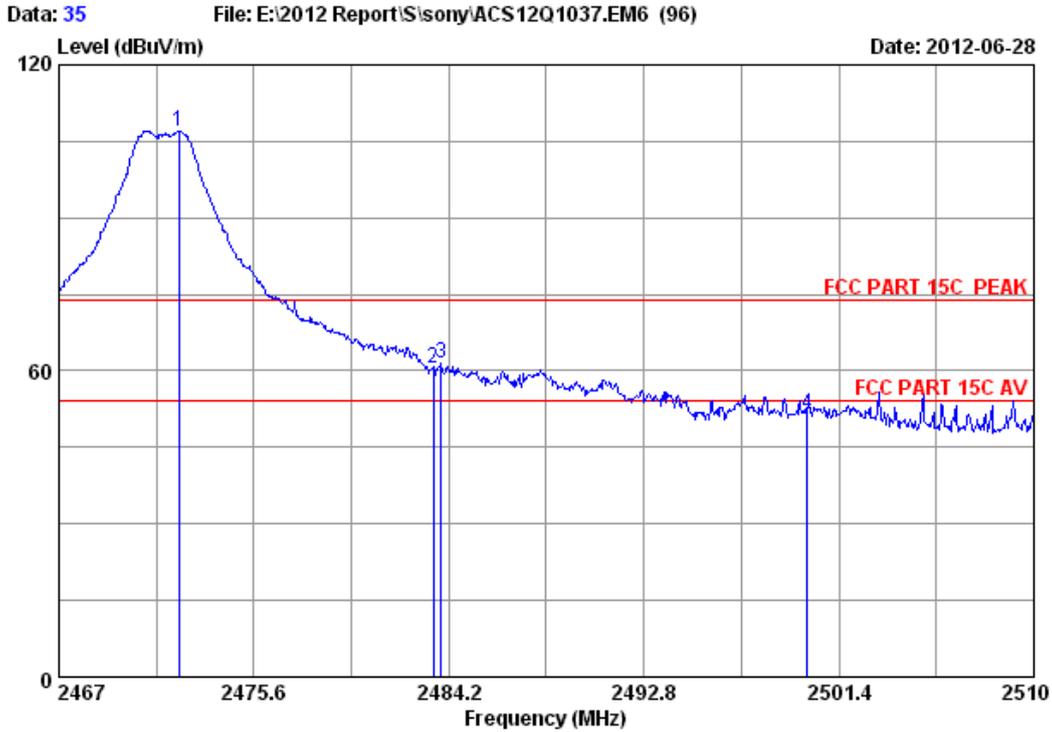
Site no.      : 3m Chamber           Data no.   : 36
Dis. / Ant.   : 3m 2011 3115 4580    Ant. pol.  : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.   : 24°C/66%             Engineer   : Leo-Li
EUT          : VIDEO NURSERY MONITOR
Power supply  : DC 5V From Adapter   Input AC 120V/60Hz
Test mode    : CH18 2471.625MHz TX
M/N         : NTM-V1T
    
```

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.08	6.12	34.45	104.53	104.28	74.00	-30.28	Peak
2	28.08	6.15	34.45	56.54	56.32	74.00	17.68	Peak
3	28.08	6.15	34.45	58.94	58.72	74.00	15.28	Peak
4	28.10	6.18	34.45	49.95	49.78	74.00	24.22	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2483.500	56.32	16.7	39.62	54	Pass
2483.856	58.72	16.7	40.02	54	Pass



Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/66% Engineer : Leo-Li
 EUT : VIDEO NURSERY MONITOR
 Power supply : DC 5V From Adapter Input AC 120V/60Hz
 Test mode : CH18 2471.625MHz TX
 M/N : NTM-V1T

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.289	28.08	6.12	34.45	107.27	107.02	74.00	-33.02	Peak
2	2483.500	28.08	6.15	34.45	60.78	60.56	74.00	13.44	Peak
3	2483.856	28.08	6.15	34.45	61.77	61.55	74.00	12.45	Peak
4	2500.000	28.10	6.18	34.45	51.59	51.42	74.00	22.58	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)	Peak level (dBuV/m)	Duty cycle factor(dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
2483.500	60.56	16.7	43.86	54	Pass
2483.856	61.55	16.7	44.85	54	Pass

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]