APPLICATION FOR CERTIFICATION
On Behalf of

Beautiful Enterprise Co., Ltd.

Wireless Sender / Receiver

Model Number: RF-RBAUX

FCC ID: UZZRFRBAUXWS02

Prepared for : Beautiful Enterprise Co., Ltd.
26th Floor, Beautiful Group Tower, 77 Connaught Road
Central, HK

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-F09133
Date of Test : Jun.18~22, 2009
Date of Report : Jul.03, 2009

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Description Page

TEST REPORT CERTIFICATION

Applicant	:	Beautiful Enterprise Co., Ltd.
Manufacturer	:	Shenzhen Synchron Electronics Co., Ltd
EUT Description	:	Wireless Sender / Receiver
Model Number	:	RF-RBAUX
FCC ID	:	UZZRFRBAUXWS02
Power Supply	:	DC 5V
Test Voltage	:	DC 5V From Adapter Input AC 120V/60Hz

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 both 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 these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the 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.18~ 22, 2009

Prepared by : Edie Huang
Edie Huang / Assistant

Reviewer : Jamy Yu
Jamy Yu / Senior Engineer

AUDIX 信華科技(深圳)有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: Ken Lu 7/7 09'

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**
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.4: 2003 KDB558074	PASS
Radiated Emission Test	FCC Part 15: 15.209 ANSI C63.4: 2003 KDB558074	PASS
Band Edge Compliance Test	FCC Part 15: 15.247 ANSI C63.4: 2003 KDB558074	PASS
Conducted spurious emissions test	FCC Part 15: 15.247 KDB558074	PASS
6dB Bandwidth Test	FCC Part 15: 15.247 KDB558074	PASS
Output Power Test	FCC Part 15: 15.247 KDB558074	PASS
Power Spectral Density Test	FCC Part 15: 15.247 KDB558074	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

EUT Description	:	Wireless Sender / Receiver
Model Number	:	RF-RBAUX
FCC ID	:	UZZRFRBAUXWS02
Operation Frequency	:	2412MHz – 2462MHz
Modulation Technology	:	OFDM
PK Output Power	:	23.05dBm
Antenna Assembly Gain	:	Two antenna with Gain: 2.15dBi (Note)
Power Supply	:	DC 5V From Adapter Input AC 120V/60Hz (The supply voltage was varied between 85% and 115% of the nominal rated (120V/60Hz) supply voltage. And all the emissions include fundamental emissions had no change. So only the nominal power supply test data were recorded.)
Applicant	:	Beautiful Enterprise Co., Ltd. 26th Floor, Beautiful Group Tower, 77 Connaught Road Central, HK
Manufacturer	:	Shenzhen Synchron Electronics Co., Ltd No. 9 Mei Li Road, Xia Mei Lin, Fu Tian Area, Shenzhen, China
Adapter	:	Manufacturer: LISTED M/N: PLR-050060 Cable: Unshielded, Undetachable, 2m
Date of Test	:	Jun.18~22, 2009
Date of Receipt	:	Jun.17, 2009
Sample Type	:	Prototype production

Note: This device have two same antennas, and this two antennas will not work at the same time.

2.2.Test Information

The test software “AM2Gdebug” was used to control EUT work in Continuous TX mode, and select test channel and Tx Antenna

Channel	Frequency (MHz)
CH Low	2412
CH Mid	2437
CH High	2462

2.3.Tested Supporting System Details

2.3.1. NOTEBOOK

M/N	:	PP09S
S/N	:	N/A
Manufacturer	:	DELL
Power Adaptor	:	Manufacturer: DELL, M/N: LA65NS1-00 Cable: Unshielded, Detachabled, 4.0m (Bond one ferrite core)

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	:	Mar.31, 2009 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Jan. 31, 2007 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, 2009

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

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.40dB
Uncertainty for Radiation Emission test in 3m chamber	3.78 dB (Polarize: V)
	4.20 dB (Polarize: H)
Uncertainty for Conduction Spurious emission test	2.10 dB
Uncertainty for Output power test	0.94 dB
Uncertainty for Power density test	2.10 dB
Uncertainty for Temperature and humidity test	2%
	1℃
Uncertainty for Frequency range test	$1x10^{-9}$
Uncertainty for Bandwidth test	$1x10^{-9}$
Uncertainty for DC power test	0.042 %
Uncertainty for test site temperature and humidity	0.6℃
	3%

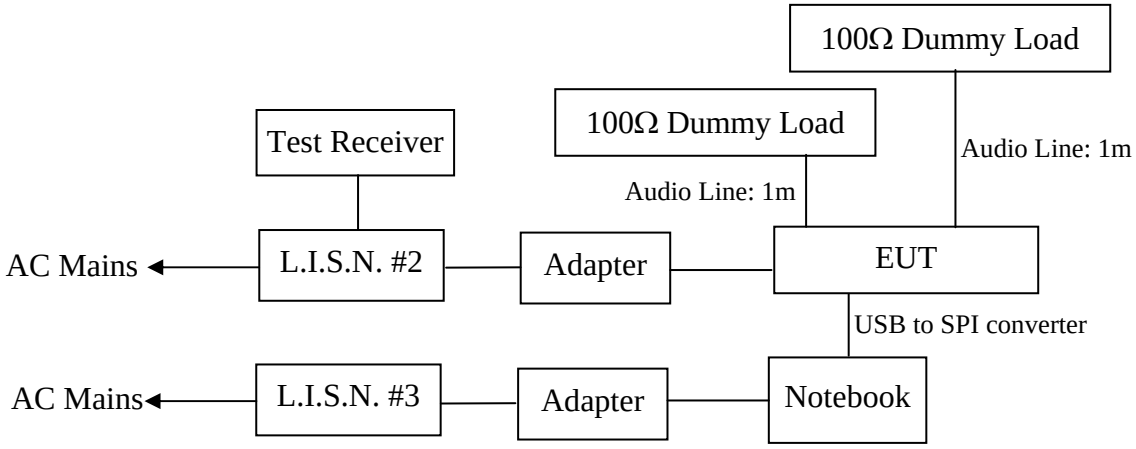
3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Jan.10, 09	1 Year
2	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May.08, 09	1 Year
3	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 09	1 Year
4	Terminator	Hubersuhner	50Ω	No. 1	May.08, 09	1 Year
5	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 09	1Year
6	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 09	1 Year
7	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 09	1 Year

3.2.Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and Supporting System



(EUT: Wireless Sender / Receiver)

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.

3.5.Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turned on the power of all equipment.

3.5.3. Notebook run test software to controll the EUT worked in test mode (Tx Mode) and measured it.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via Adapter connected to the power mains through a line impedance stabilization network (L.I.S.N. 2#). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). 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 C63.4: 2003 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.

The test result are reported on Section 3.7.,

3.7.Power Line Conducted Emission Test Results

PASS.

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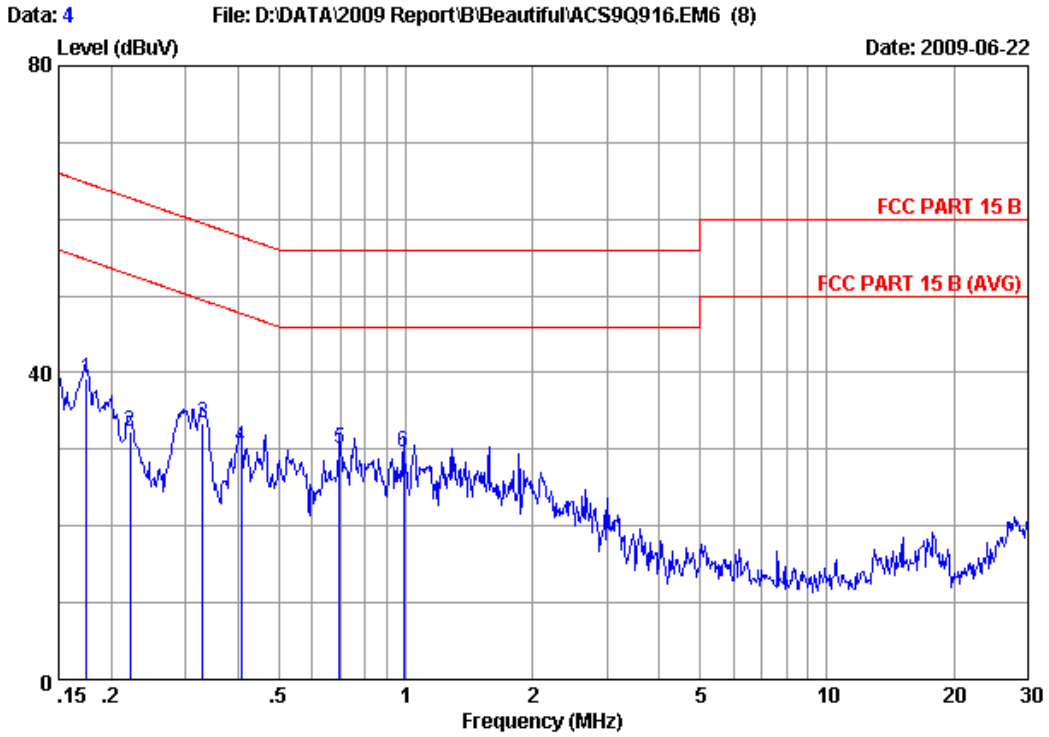

Site no :Audix No.1 Conduction Data no :4
Dis./Ant. :** 2009 KNW407 VA
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Paul Tian
EUT :Wireless Sender / Receiver
Power Rating :DC 5V From Adapter input 120V/60Hz
Test Mode :Tx
:M/N:RF-RBAUX

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17491	0.44	9.88	28.93	39.25	64.72	25.47	QP
2	0.22201	0.42	9.88	22.12	32.42	62.74	30.32	QP
3	0.33033	0.37	9.89	23.27	33.53	59.44	25.91	QP
4	0.40615	0.35	9.89	20.06	30.30	57.73	27.43	QP
5	0.69725	0.36	9.89	19.89	30.14	56.00	25.86	QP
6	0.98914	0.33	9.89	19.39	29.61	56.00	26.39	QP

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

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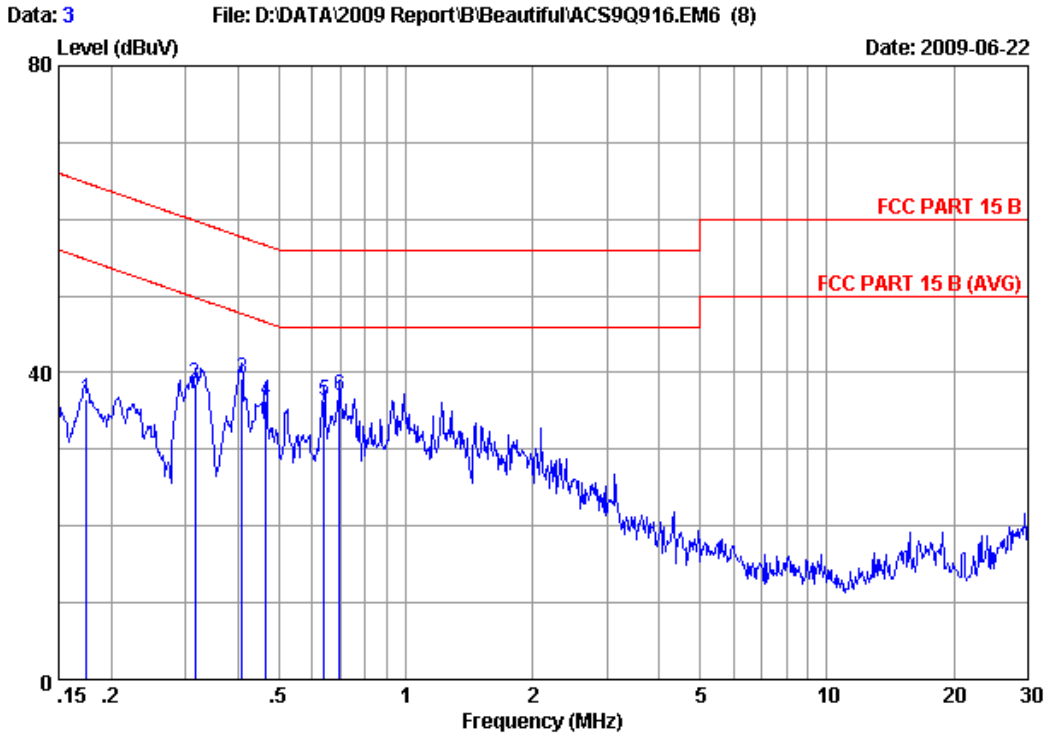


Site no :Audix No.1 Conduction Data no :3
Dis./Ant. :** 2009 KNW407 VB
Limit :FCC PART 15 B
Env./Ins. :Temp:23'C Humi:54% Engineer :Paul Tian
EUT :Wireless Sender / Receiver
Power Rating :DC 5V From Adapter input 120V/60Hz
Test Mode :Tx
:M/N:RF-RBAUX

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17491	0.46	9.88	26.14	36.48	64.72	28.24	QP
2	0.31662	0.39	9.89	28.23	38.51	59.80	21.29	QP
3	0.40831	0.36	9.89	28.97	39.22	57.68	18.46	QP
4	0.46614	0.35	9.89	26.04	36.28	56.58	20.30	QP
5	0.64058	0.35	9.89	26.10	36.34	56.00	19.66	QP
6	0.69725	0.35	9.89	26.77	37.01	56.00	18.99	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when useing 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

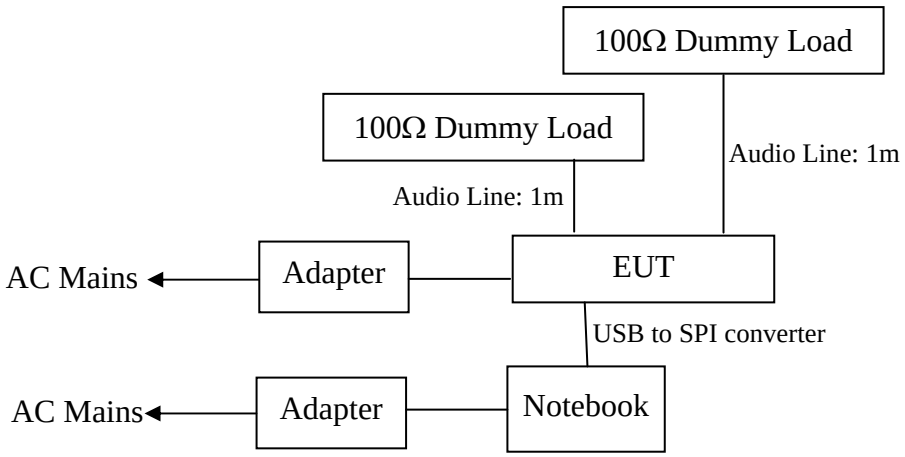
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,08	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 09	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 09	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 09	1 Year
5	Bilog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

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 09	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	May.27, 08	1.5 Year
3	Amplifier	Agilent	8449B	3008A02495	Nov.24,08	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 09	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	271471/4	May.08, 09	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	29086/2	May.08, 09	1 Year

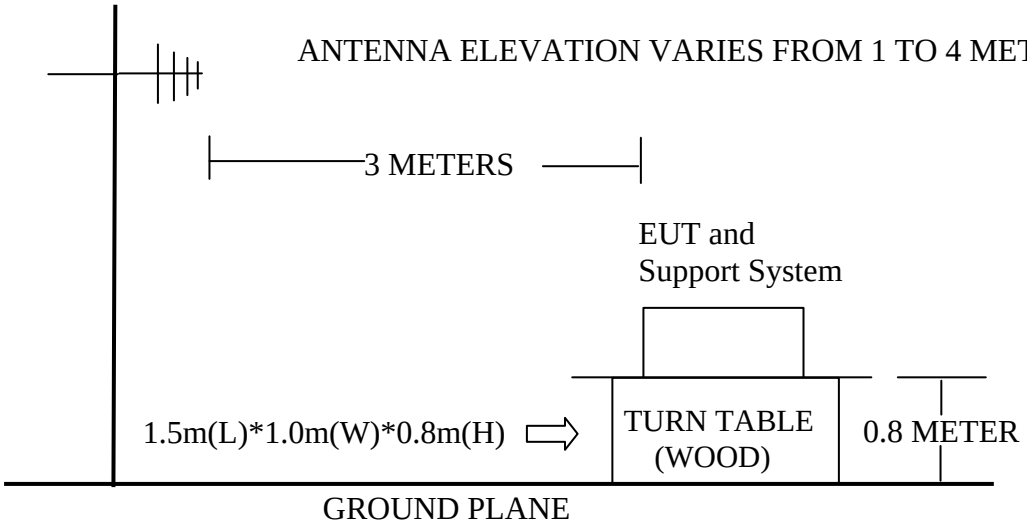
4.2.Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and Supporting System



(EUT: Wireless Sender / Receiver)

4.2.2. In Anechoic Chamber



4.3.Radiated Emission Limit

4.3.1. 15.209 limits

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 1000	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.

4.3.2. 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])

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

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.

4.5.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. Notebook run test software to controll the EUT worked in test mode (Tx Mode) and measured it.

4.6.Test Procedure

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. Power on the EUT and let it working in test mode, then test it. 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 are set on test.

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 VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The frequency range from 30MHz to 10^{th} 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 25 GHz were comply with 15.209 limits.

Frequency: 30MHz~1GHz

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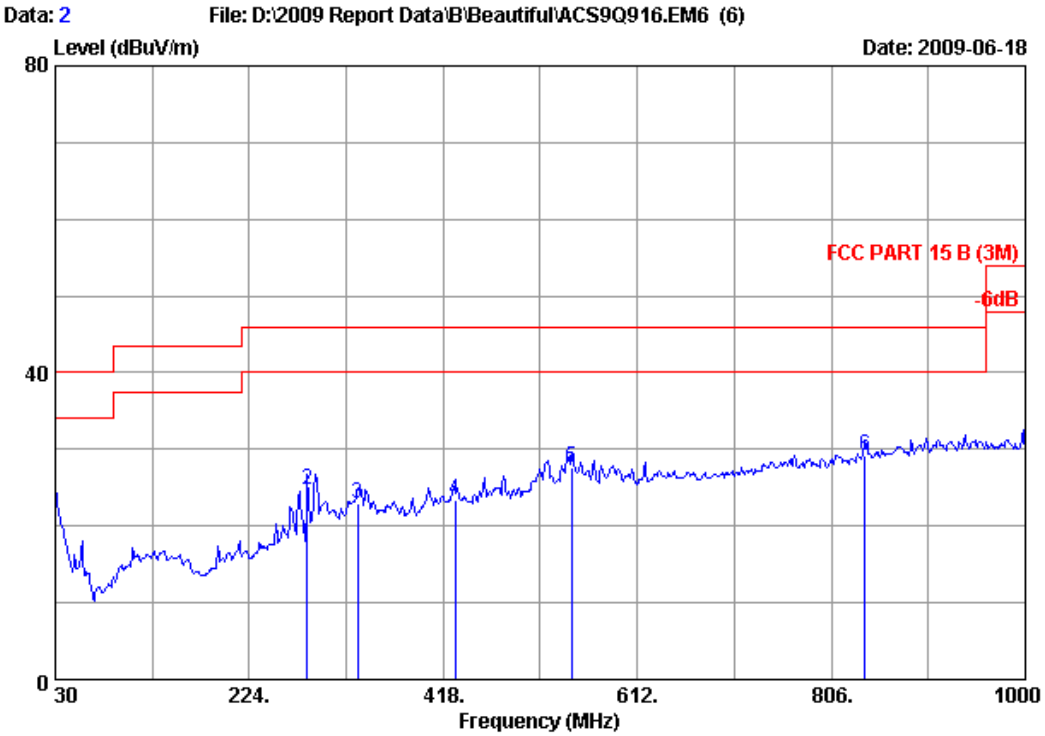

Site no. : 3m Chamber
Data no. : 2
Dis. / Ant. : 3m CBL6111C
Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56%
Engineer : Cary Luo
EUT : Wireless Sender / Receiver
Power Rating : DC 5V From Adapter input 120V/60Hz
Test Mode : Tx
M/N:RF-RBAUX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	2.51	22.89	40.00	17.11	QP
2	282.200	13.23	1.70	9.76	24.69	46.00	21.31	QP
3	332.640	14.43	1.79	6.64	22.86	46.00	23.14	QP
4	429.640	16.90	2.02	4.42	23.34	46.00	22.66	QP
5	546.040	18.51	2.36	6.69	27.56	46.00	18.44	QP
6	839.950	22.38	3.10	3.77	29.25	46.00	16.75	QP

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

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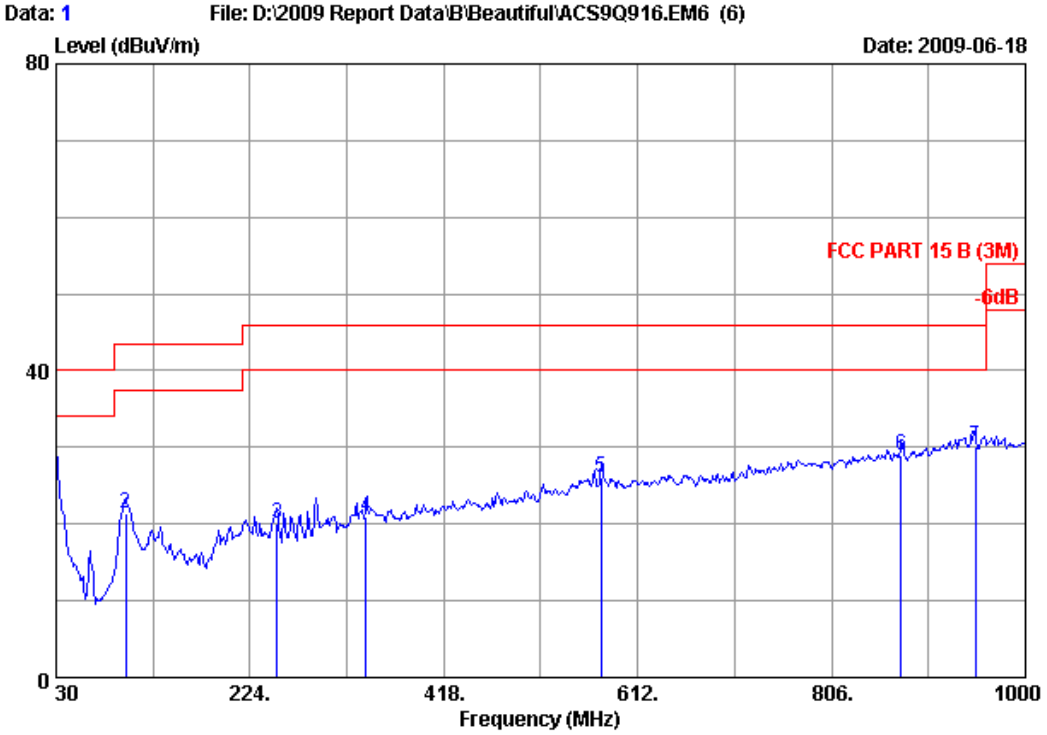

Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 24*C/56% Engineer : Cary Luo
EUT : Wireless Sender / Receiver
Power Rating : DC 5V From Adapter input 120V/60Hz
Test Mode : Tx
M/N:RF-RBAUX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	19.86	0.52	7.22	27.60	40.00	12.40	QP
2	99.840	10.23	0.90	10.20	21.33	43.50	22.17	QP
3	251.160	12.75	1.64	5.73	20.12	46.00	25.88	QP
4	340.400	14.71	1.81	4.35	20.87	46.00	25.13	QP
5	575.140	19.37	2.43	4.20	26.00	46.00	20.00	QP
6	875.840	22.55	3.15	3.17	28.87	46.00	17.13	QP
7	949.560	23.78	3.35	2.99	30.12	46.00	15.88	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: Above 1GHz
Antenna 0

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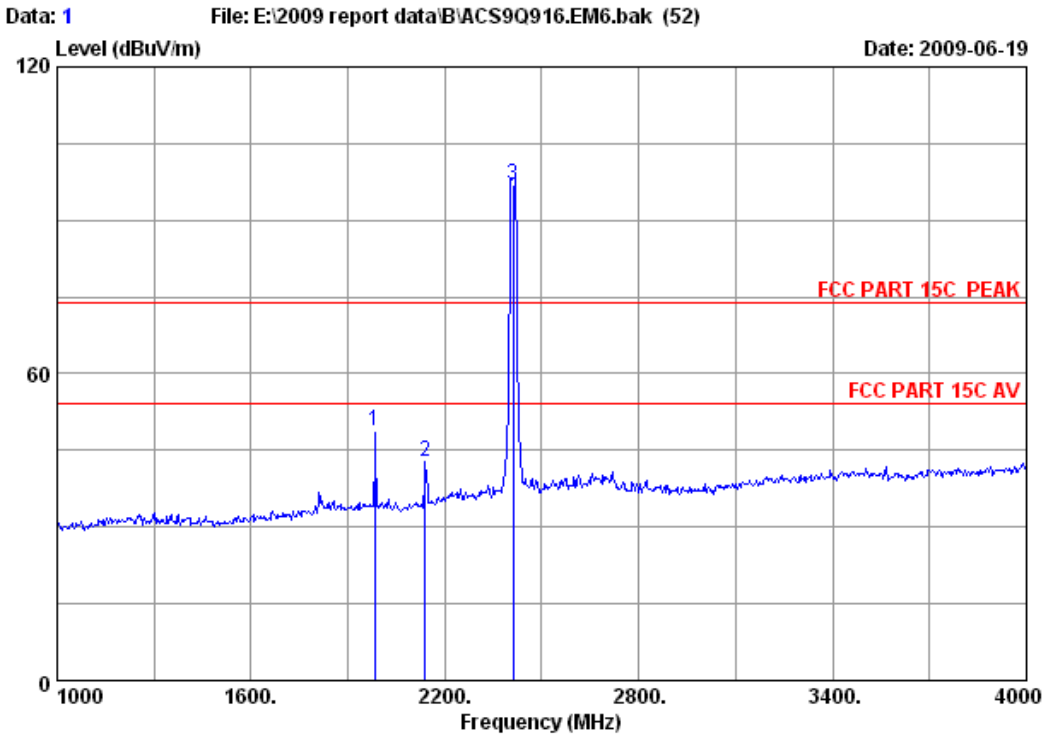

Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	1984.000	27.83	6.16	35.20	50.10	48.89	74.00	25.11	Peak
2	2140.000	28.09	6.38	35.17	43.40	42.70	74.00	31.30	Peak
3	2412.000	28.48	6.73	35.12	96.96	97.05	74.00	-23.05	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.

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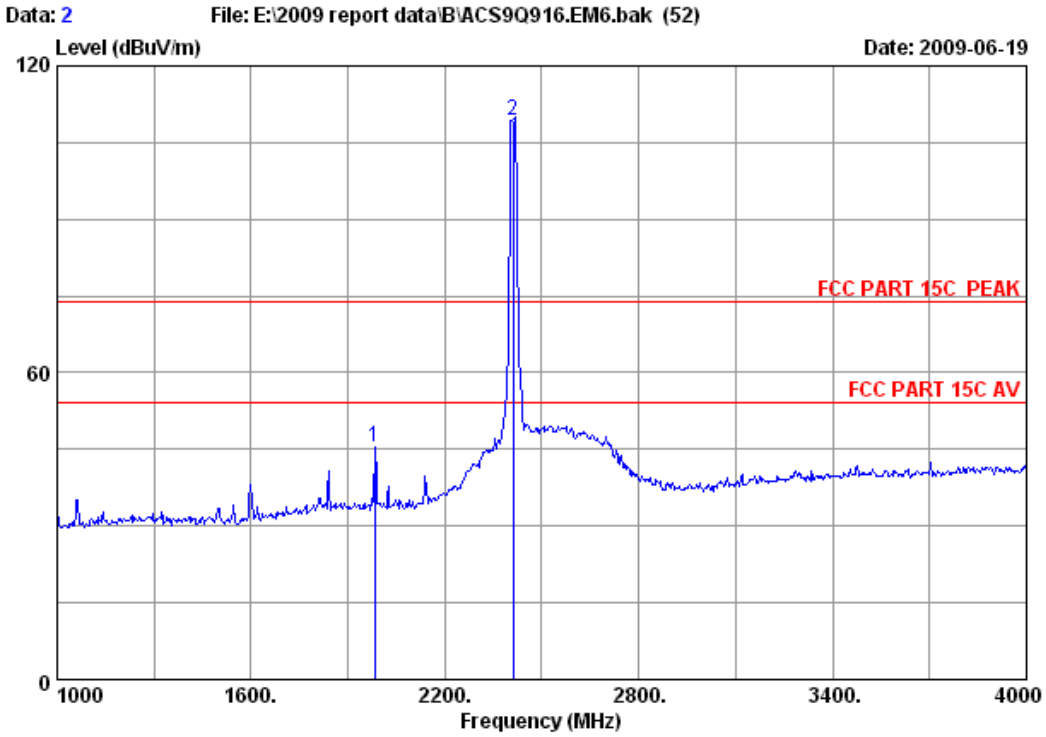

Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	1984.000	27.83	6.16	35.20	46.56	45.35	74.00	28.65	Peak
2	2412.000	28.48	6.73	35.12	109.29	109.38	74.00	-35.38	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.

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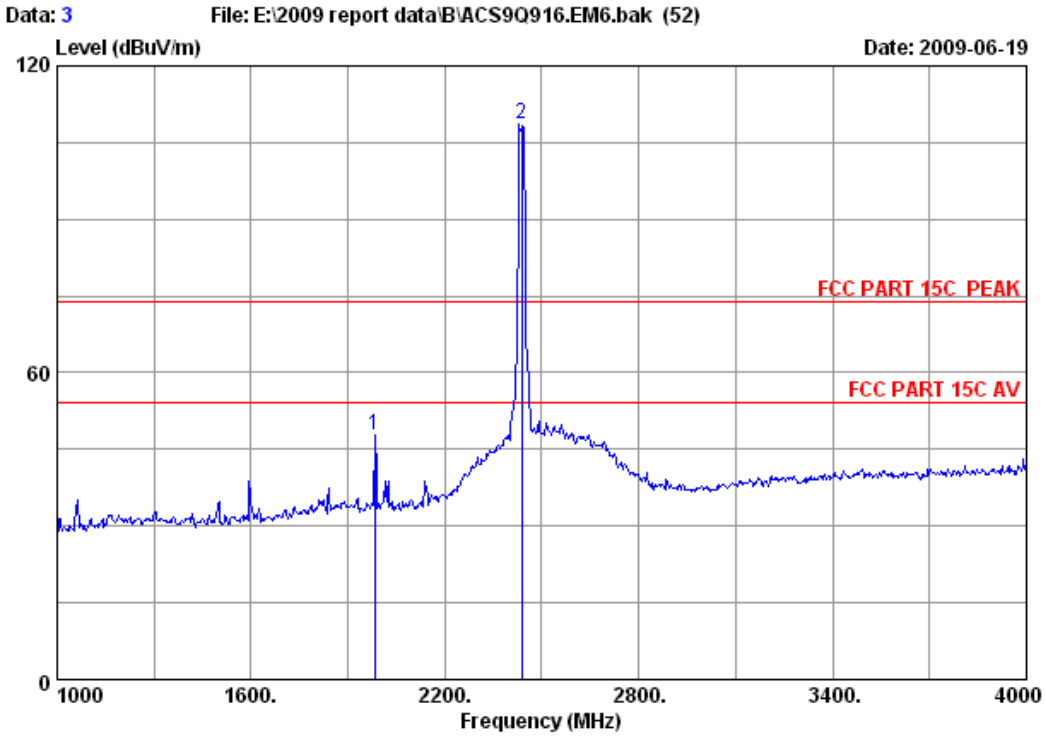

Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2438MHz
M/N:RF-RBAUX

	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	1984.000	27.83	6.16	35.20	49.07	47.86	74.00	26.14	Peak
2	2438.000	28.53	6.80	35.11	108.48	108.70	74.00	-34.70	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.

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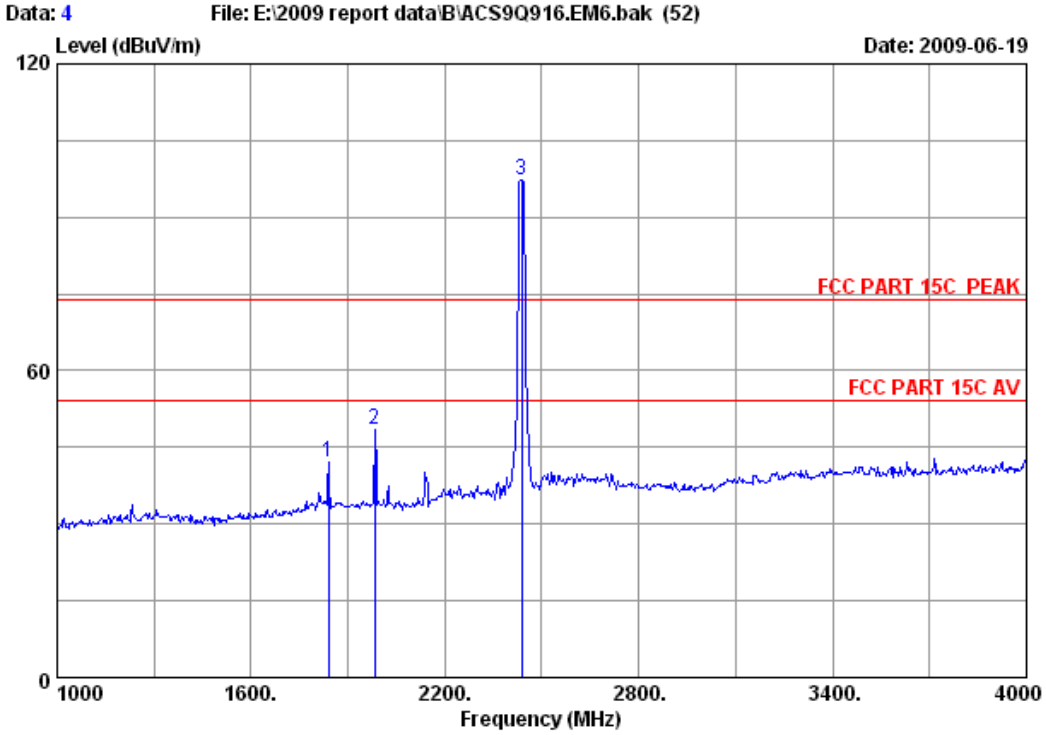

Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2438MHz
M/N:RF-RBAUX

	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	1840.000	27.23	5.86	35.37	44.28	42.00	74.00	32.00	Peak
2	1984.000	27.83	6.16	35.20	49.70	48.49	74.00	25.51	Peak
3	2438.000	28.53	6.80	35.11	97.15	97.37	74.00	-23.37	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.

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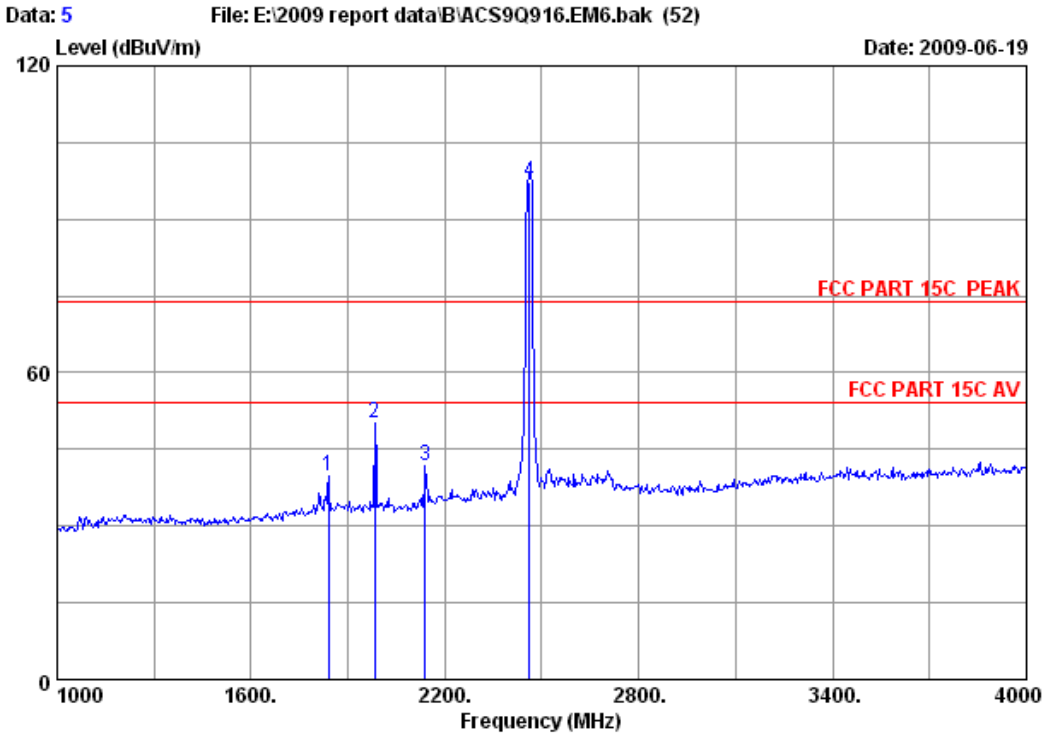

Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	1840.000	27.23	5.86	35.37	41.94	39.66	74.00	34.34	Peak
2	1984.000	27.83	6.16	35.20	51.47	50.26	74.00	23.74	Peak
3	2140.000	28.09	6.38	35.17	42.59	41.89	74.00	32.11	Peak
4	2462.000	28.55	6.84	35.11	97.05	97.33	74.00	-23.33	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.

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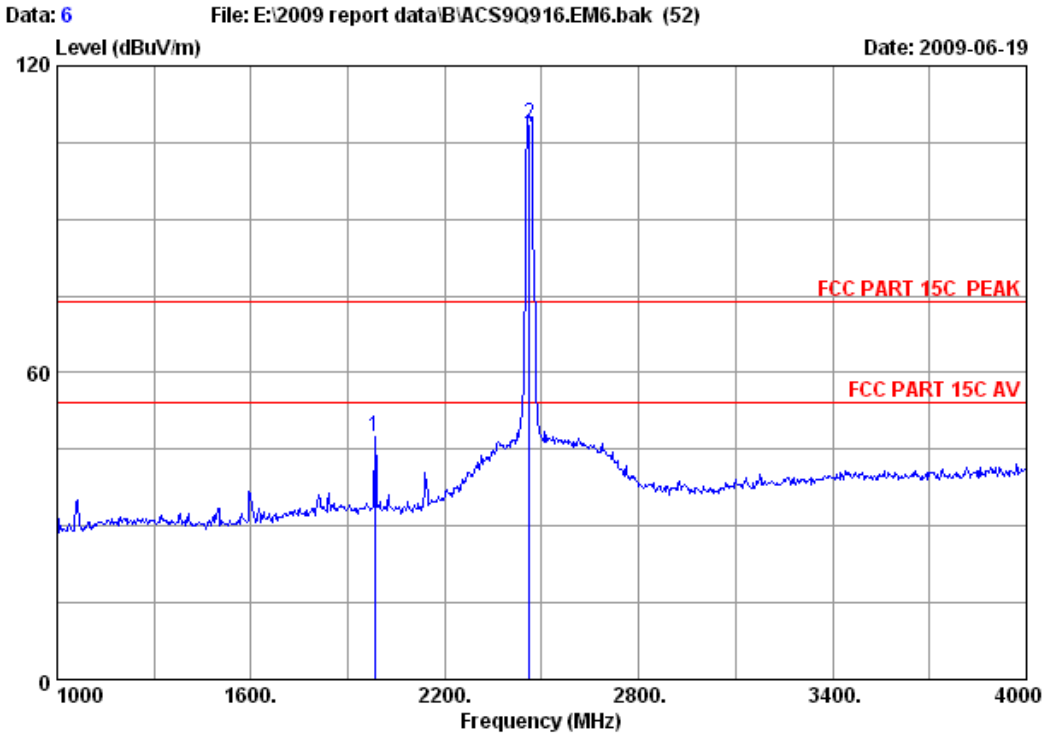

Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	1984.000	27.83	6.16	35.20	48.84	47.63	74.00	26.37	Peak
2	2462.000	28.55	6.84	35.11	108.30	108.58	74.00	-34.58	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.

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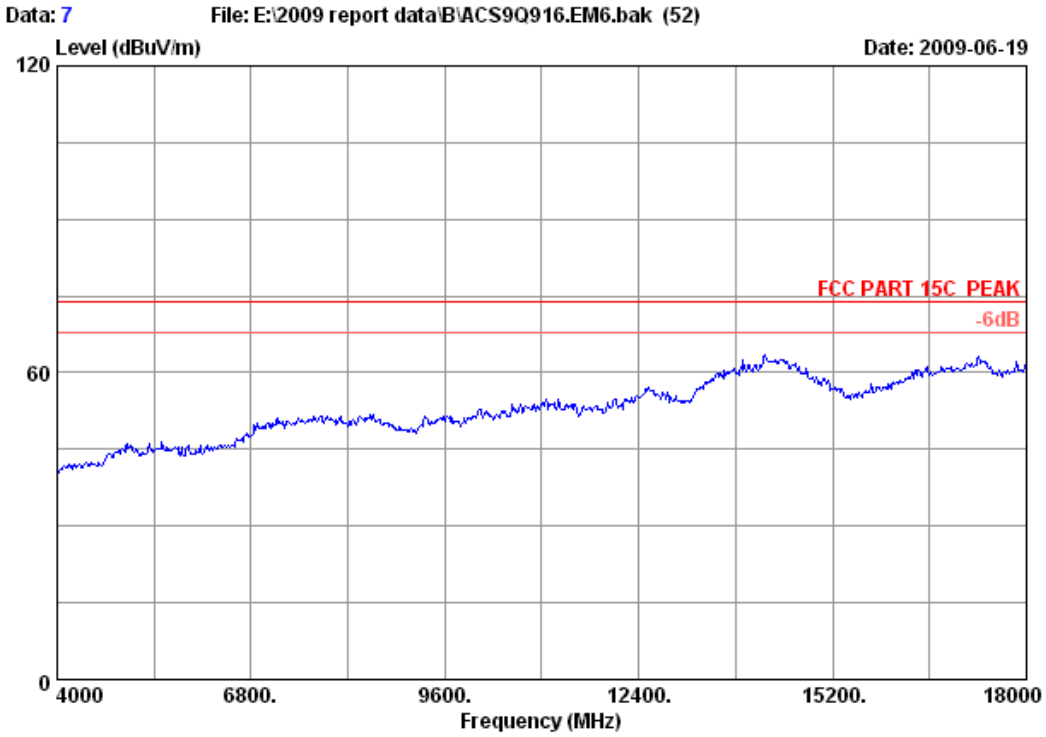

Site no.	: 3m Chamber	Data no.	: 7
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2412MHz		
	M/N:RF-RBAUX		

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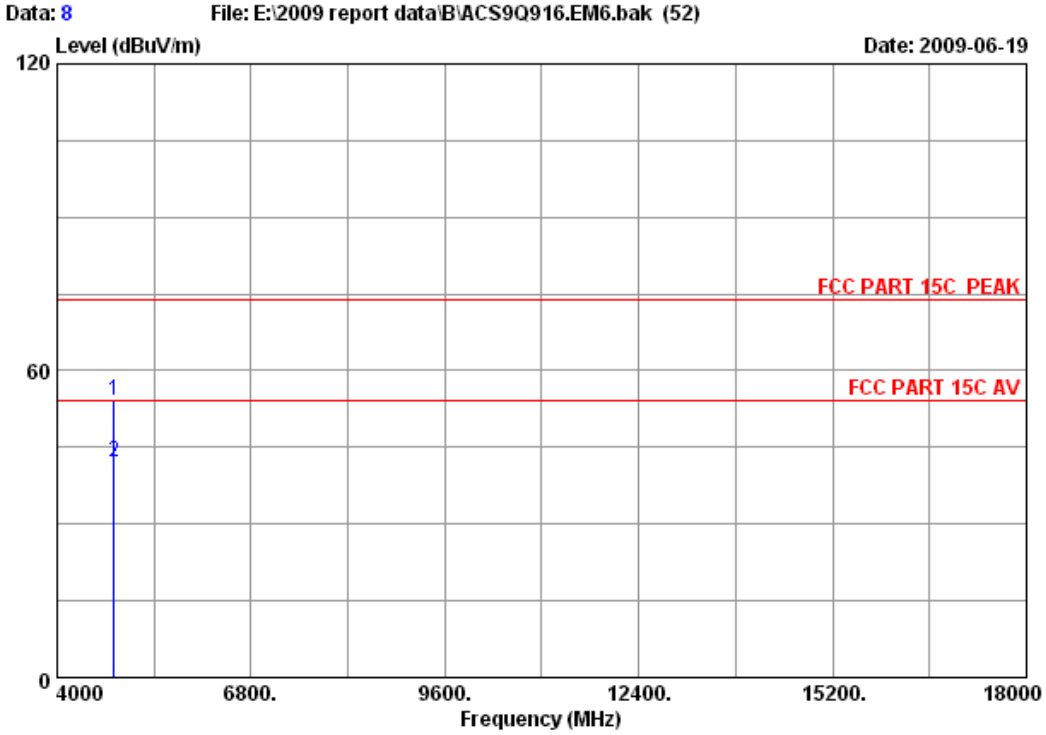

Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	4824.000	34.47	10.55	34.59	43.84	54.27	74.00	19.73	Peak
2	4824.000	34.47	10.55	34.59	31.76	42.19	54.00	11.81	Average

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.

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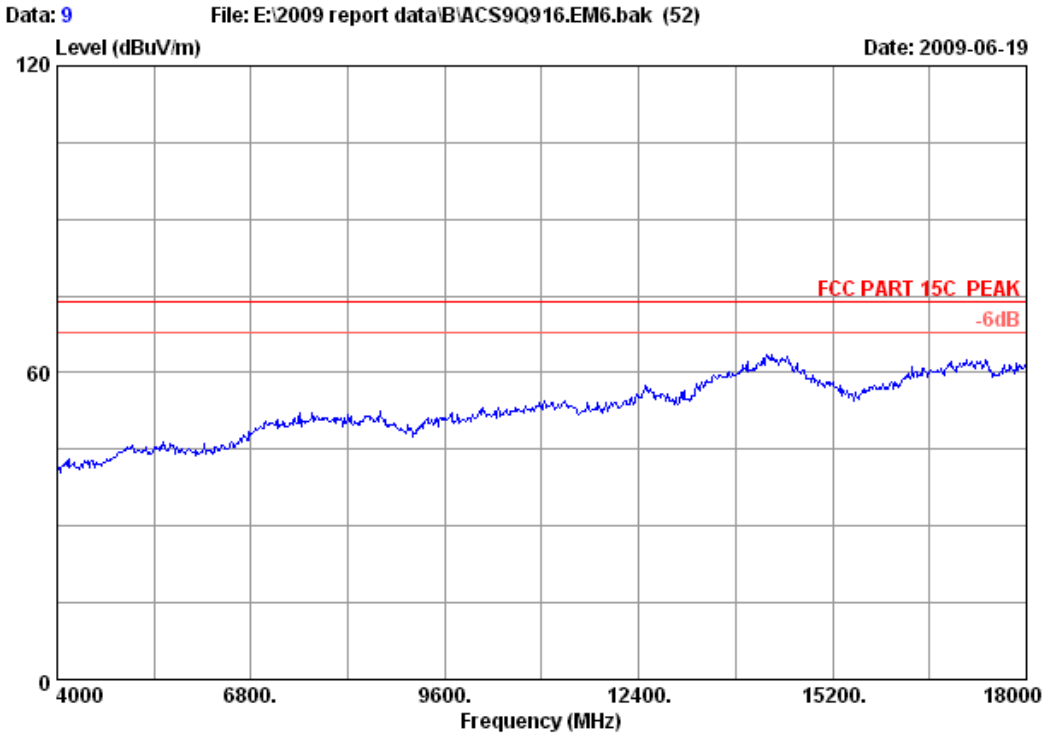

Site no.	: 3m Chamber	Data no.	: 9
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2412MHz		
	M/N:RF-RBAUX		

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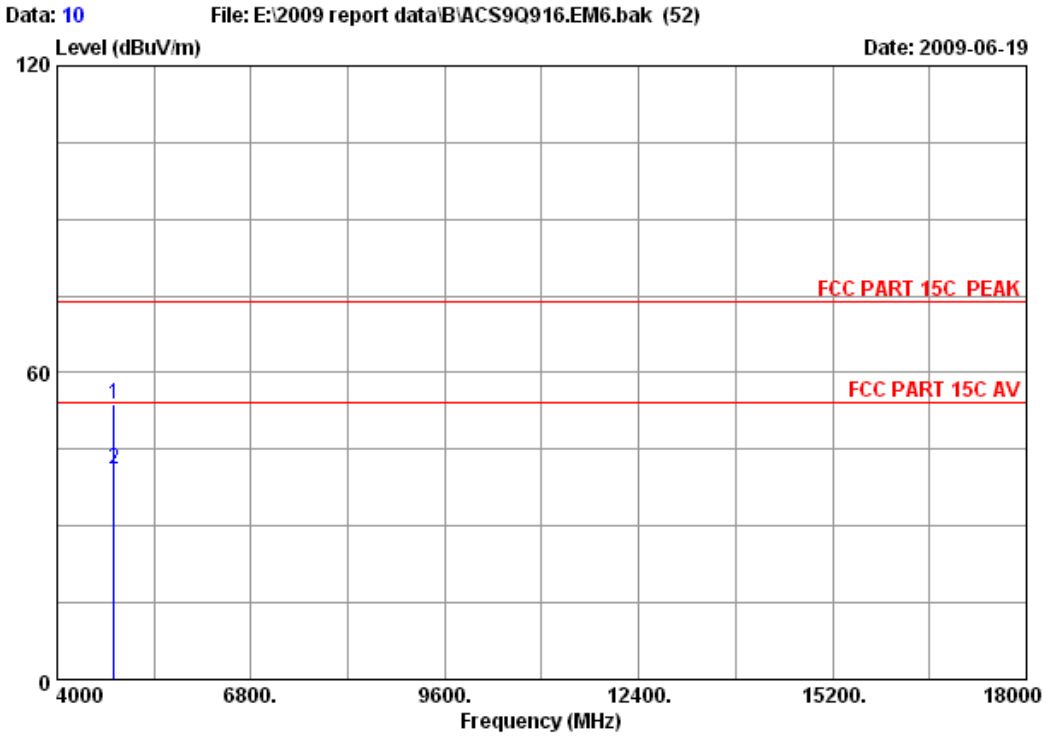

Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	4824.000	34.47	10.55	34.59	43.29	53.72	74.00	20.28	Peak
2	4824.000	34.47	10.55	34.59	30.82	41.25	54.00	12.75	Average

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.

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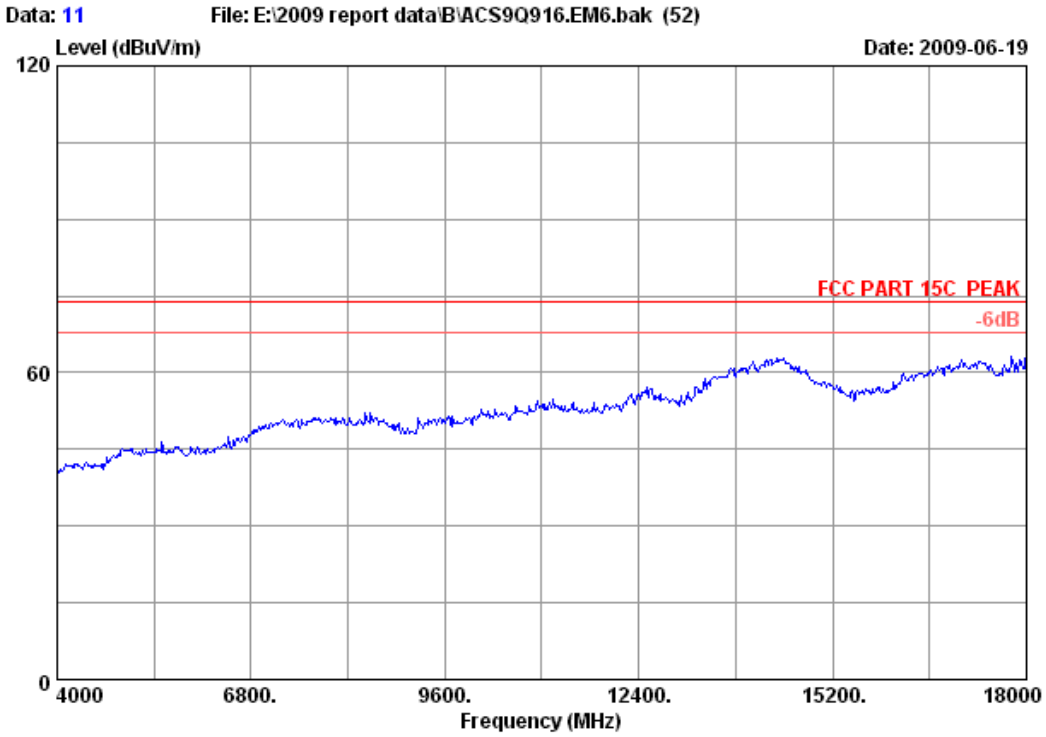

Site no.	: 3m Chamber	Data no.	: 11
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2438MHz		
	M/N:RF-RBAUX		

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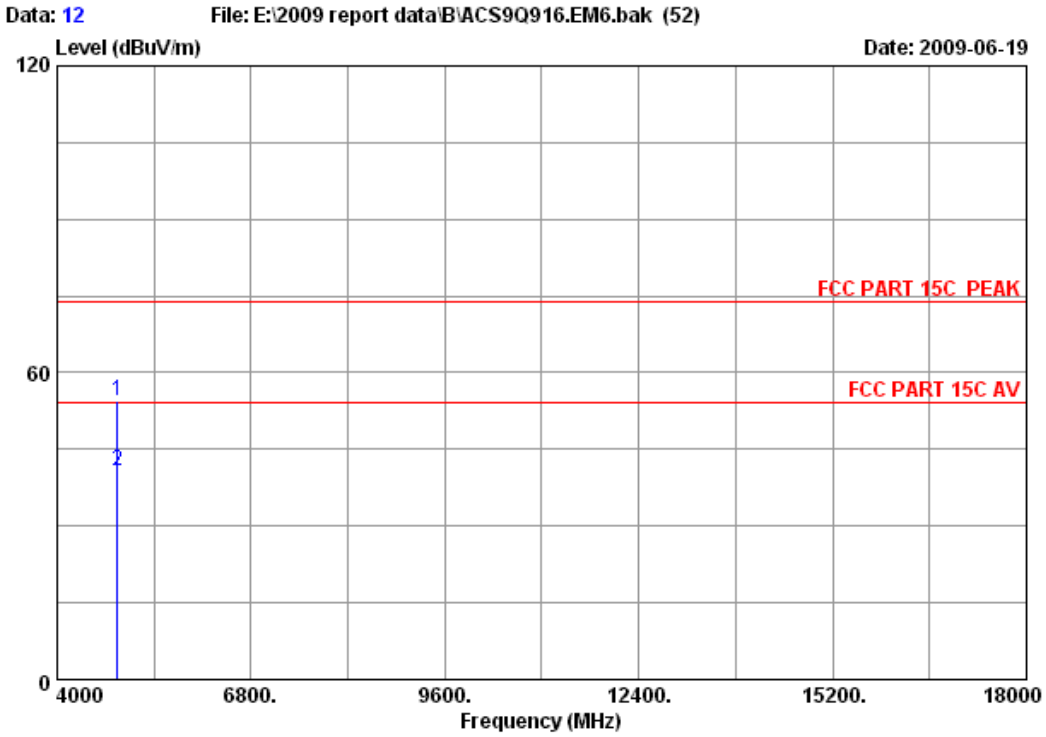

Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2438MHz
M/N:RF-RBAUX

	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	4876.000	34.78	10.56	34.58	43.68	54.44	74.00	19.56	Peak
2	4876.000	34.78	10.56	34.58	30.18	40.94	54.00	13.06	Average

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.

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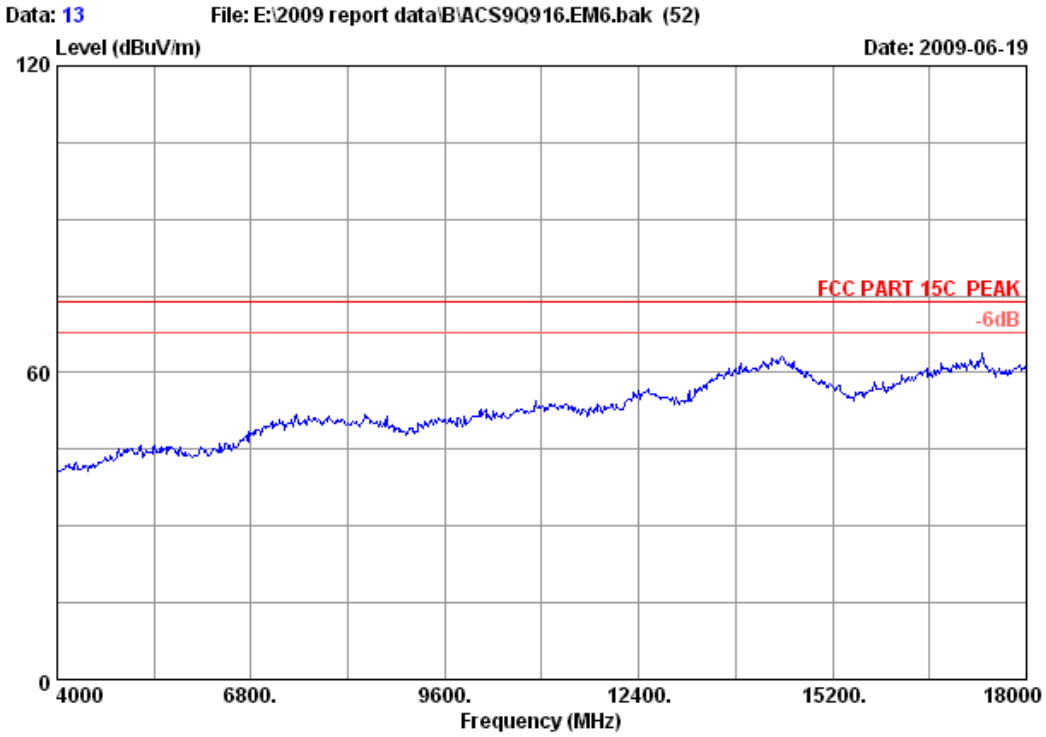

Site no.	: 3m Chamber	Data no.	: 13
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2438MHz		
	M/N:RF-RBAUX		

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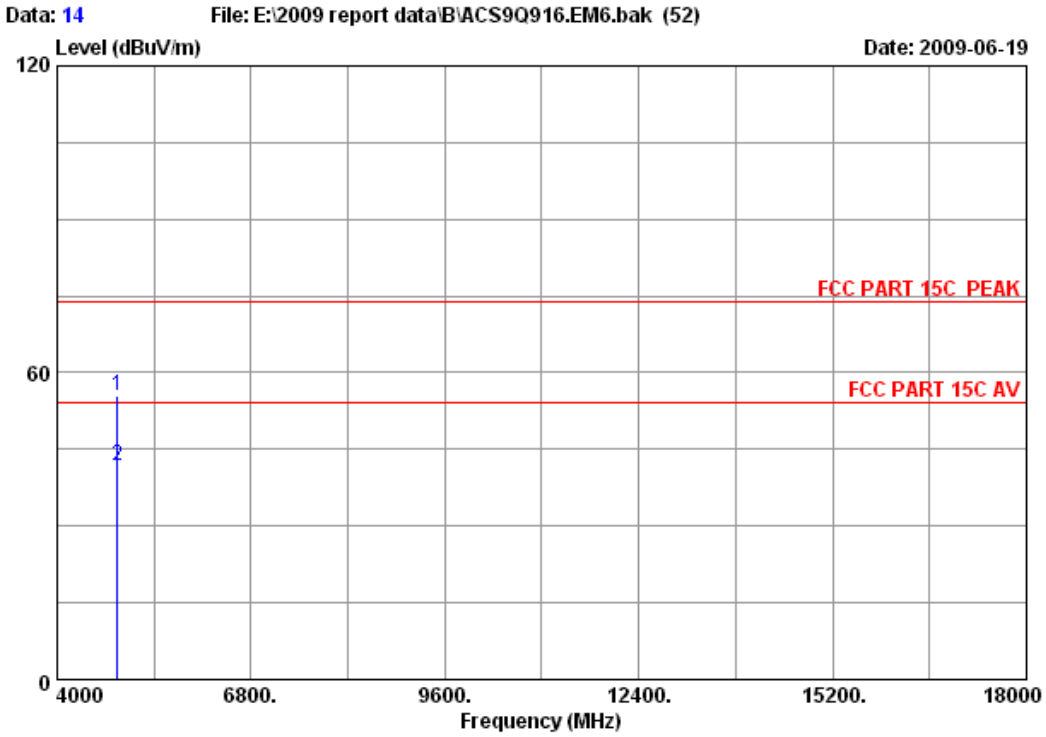

Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2438MHz
M/N:RF-RBAUX

	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	4876.000	34.78	10.56	34.58	44.58	55.34	74.00	18.66	Peak
2	4876.000	34.78	10.56	34.58	31.04	41.80	54.00	12.20	Average

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.

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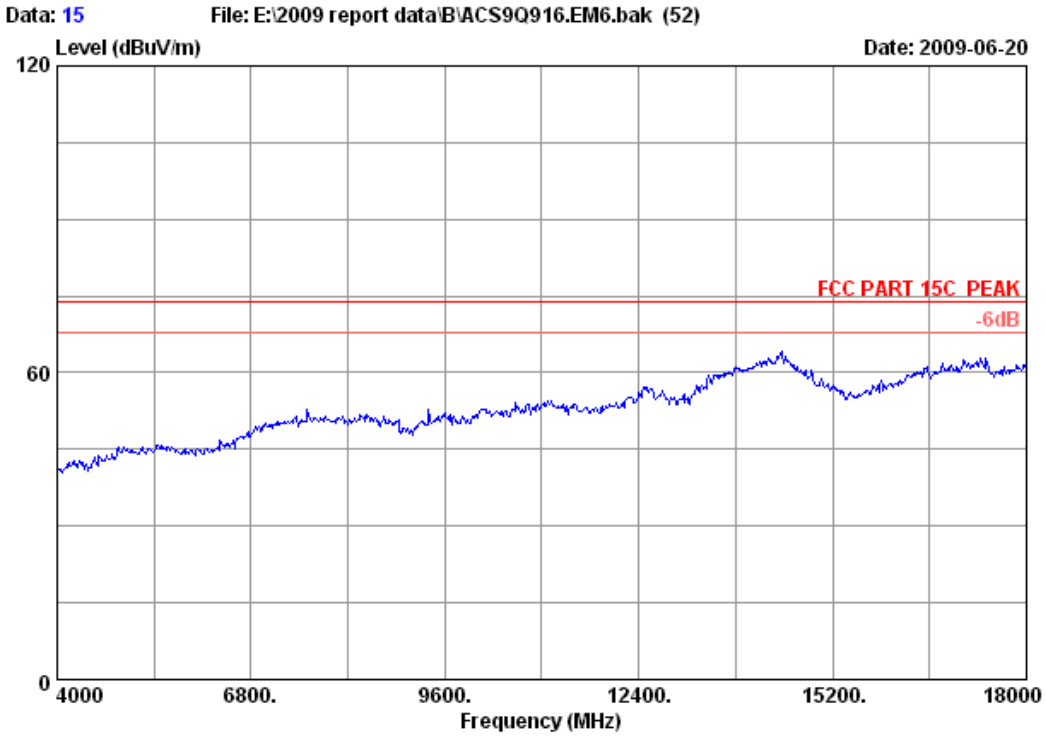

Site no.	: 3m Chamber	Data no.	: 15
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2462MHz		
	M/N:RF-RBAUX		

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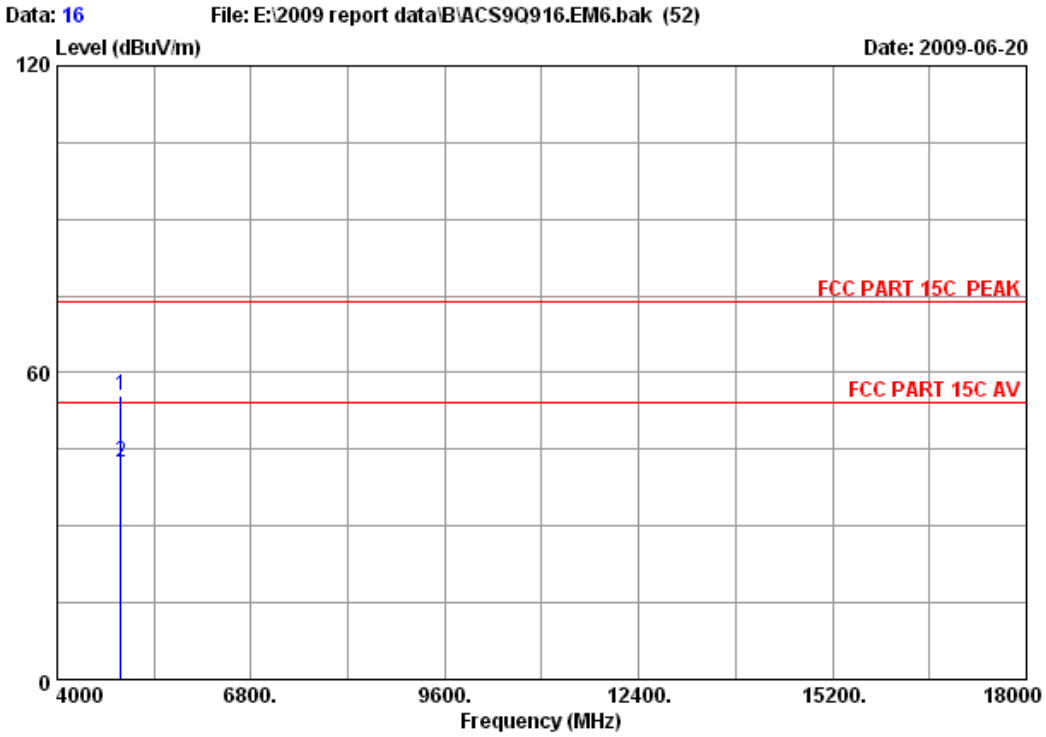

Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	4924.000	35.09	10.58	34.57	44.28	55.38	74.00	18.62	Peak
2	4924.000	35.09	10.58	34.57	31.27	42.37	54.00	11.63	Average

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.

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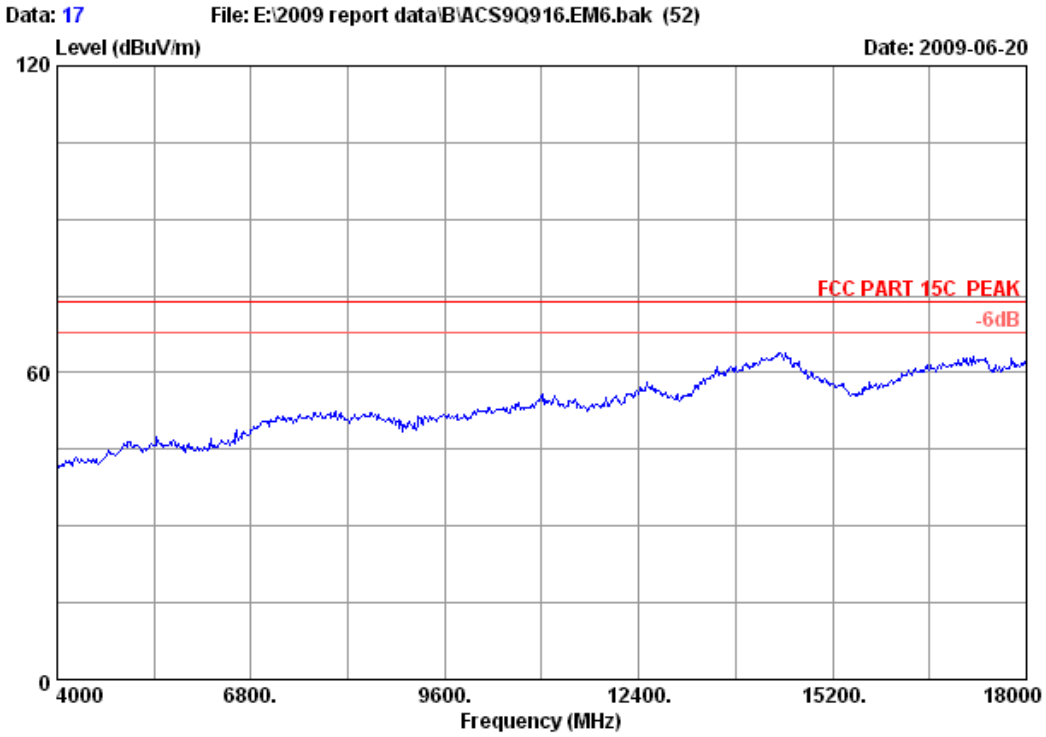

Site no.	: 3m Chamber	Data no.	: 17
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx ATO 2462MHz		
	M/N:RF-RBAUX		

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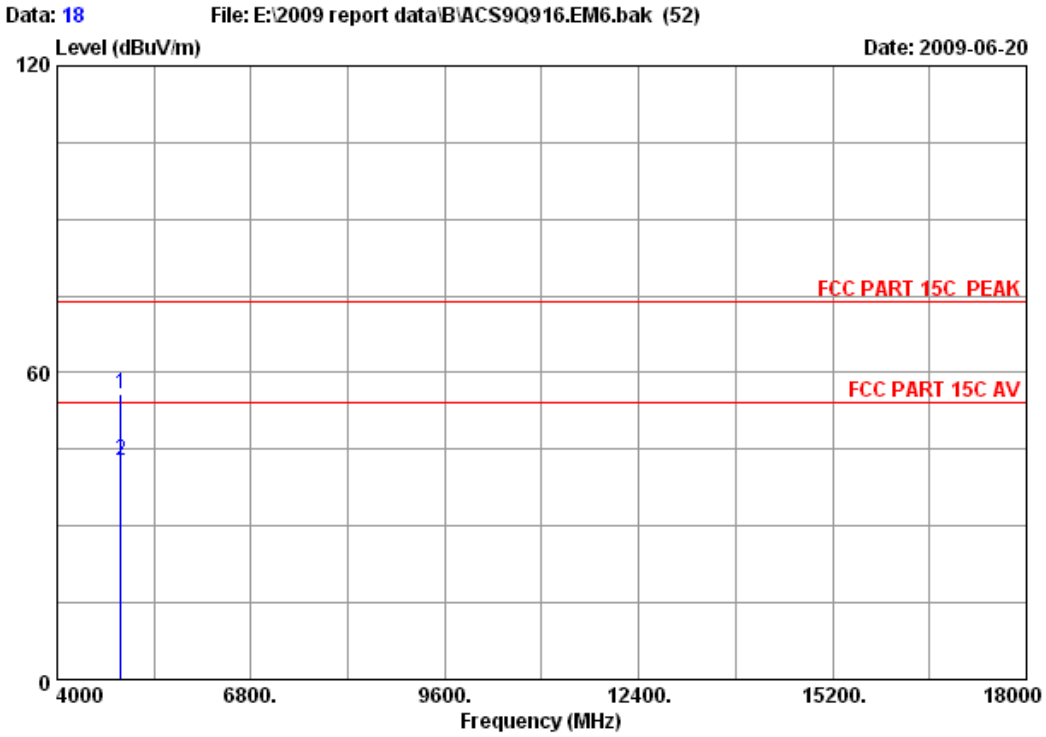

Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	4924.000	35.09	10.58	34.57	44.68	55.78	74.00	18.22	Peak
2	4924.000	35.09	10.58	34.57	31.59	42.69	54.00	11.31	Average

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.

Antenna 1

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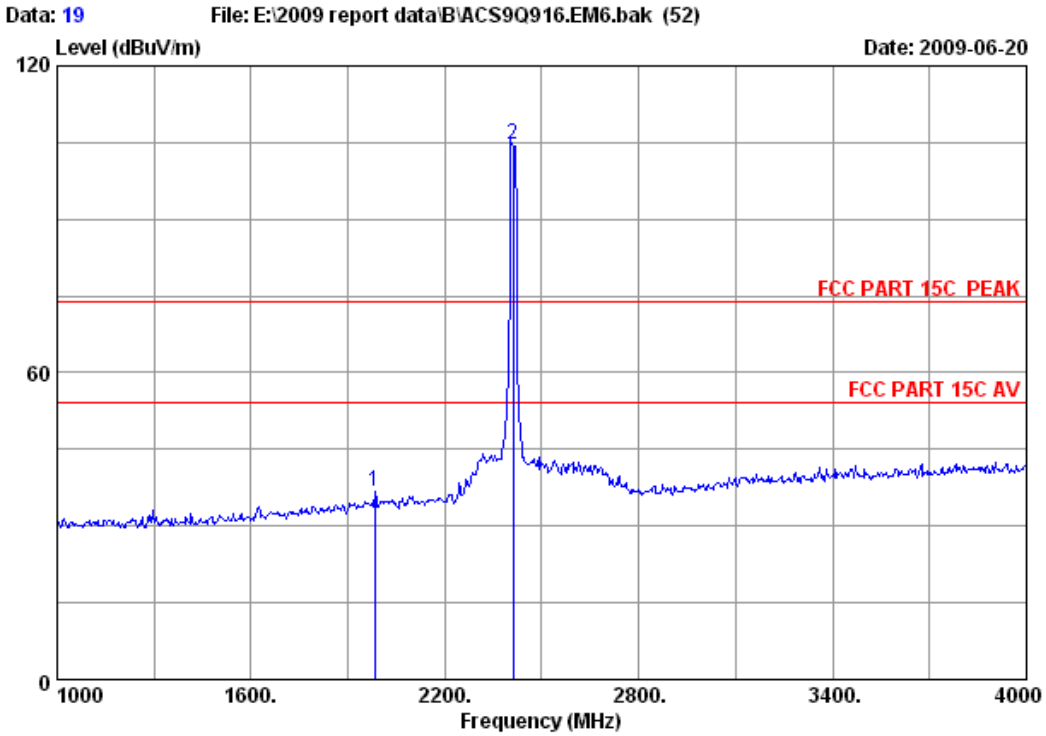

Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	1984.000	27.83	6.16	35.20	38.11	36.90	74.00	37.10	Peak
2	2412.000	28.48	6.73	35.12	104.63	104.72	74.00	-30.72	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.

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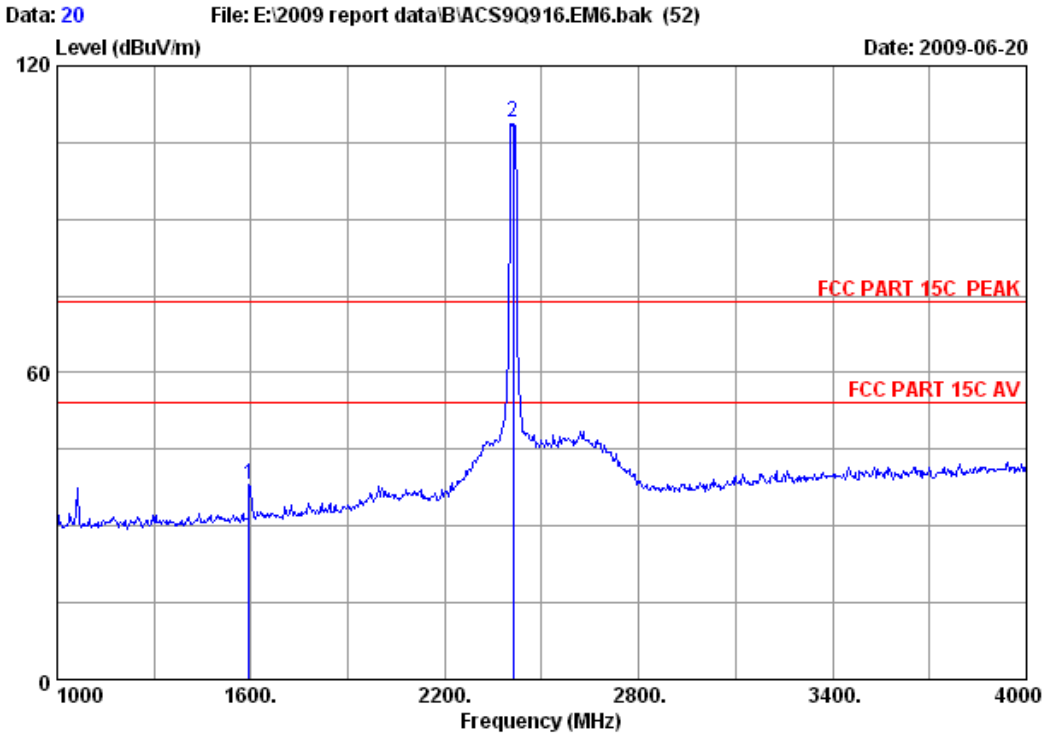

Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	1594.000	26.30	5.43	35.65	42.14	38.22	74.00	35.78	Peak
2	2412.000	28.48	6.73	35.12	108.94	109.03	74.00	-35.03	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.

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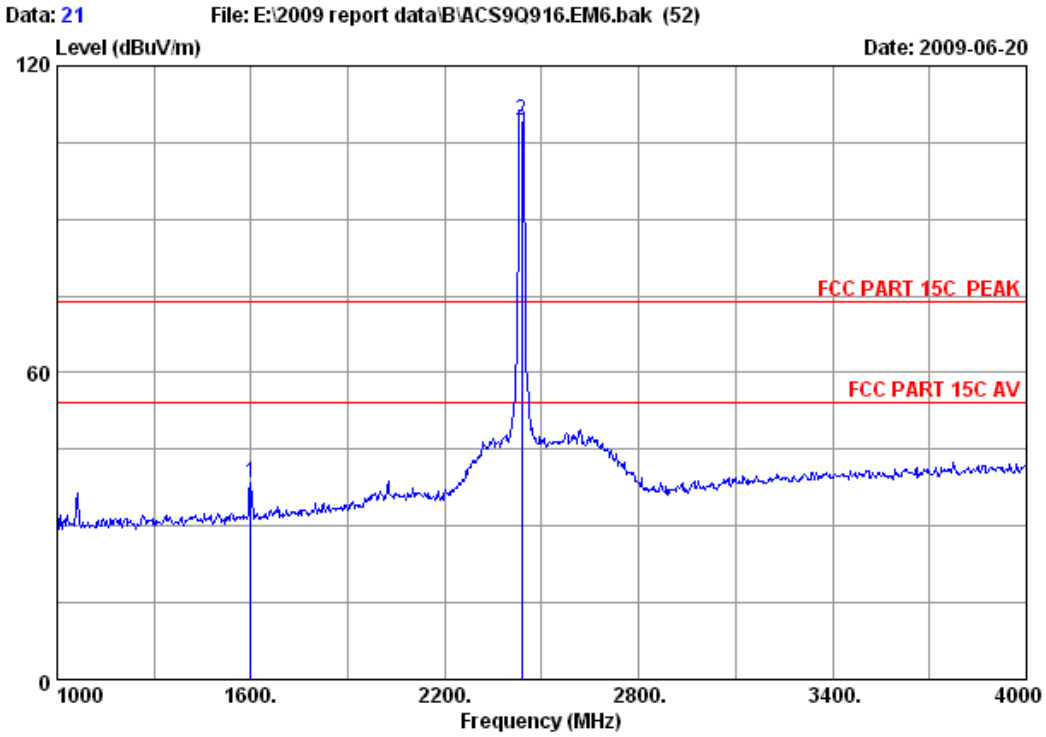

Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2438MHz
M/N:RF-RBAUX

	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	1600.000	26.30	5.46	35.62	42.36	38.50	74.00	35.50	Peak
2	2438.000	28.53	6.80	35.11	109.16	109.38	74.00	-35.38	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.

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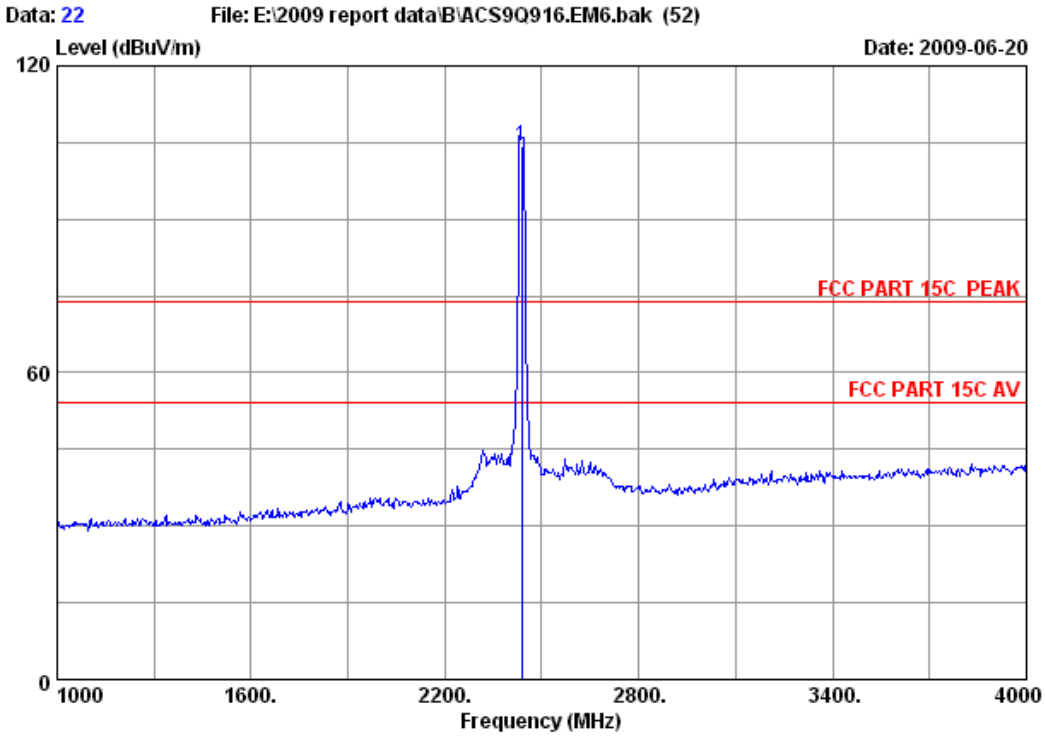

Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2438MHz
M/N:RF-RBAUX

	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	2438.000	28.53	6.80	35.11	104.19	104.41	74.00	-30.41	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.

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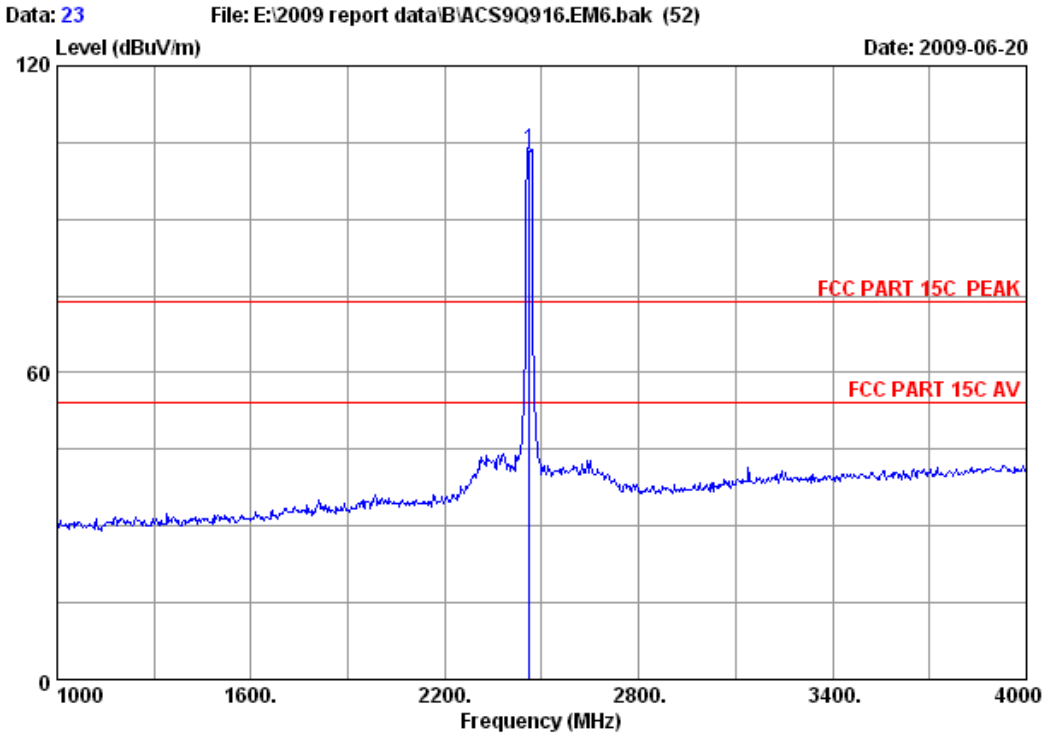

Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	2462.000	28.55	6.84	35.11	103.22	103.50	74.00	-29.50	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.

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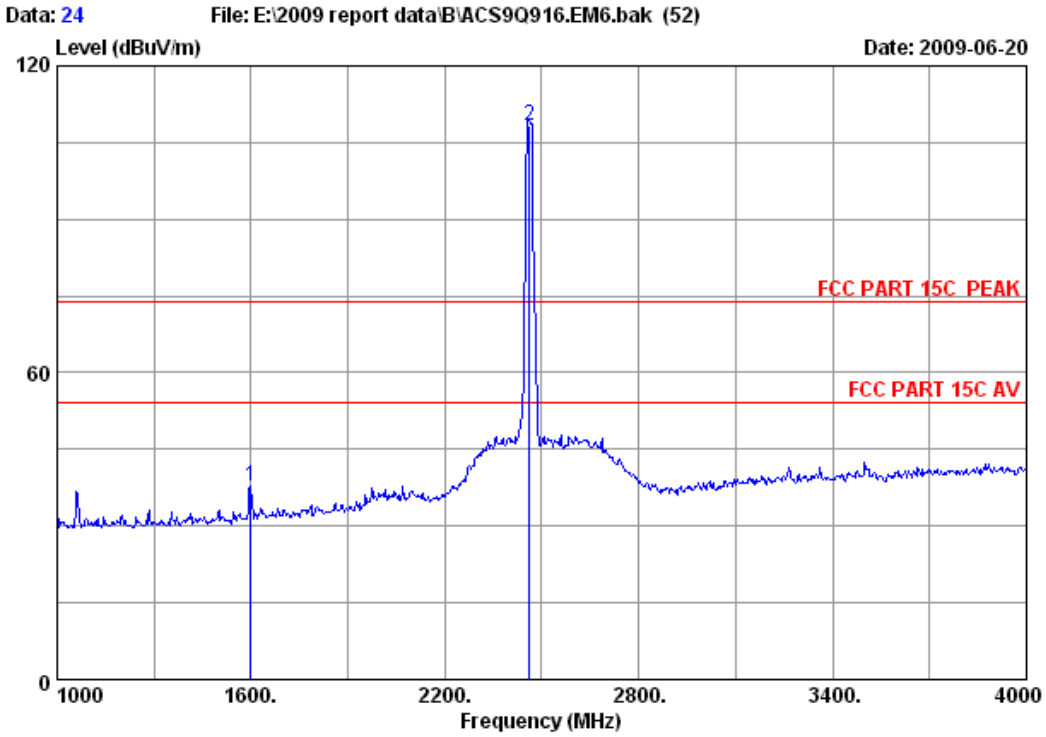

Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	1600.000	26.30	5.46	35.62	41.74	37.88	74.00	36.12	Peak
2	2462.000	28.55	6.84	35.11	107.88	108.16	74.00	-34.16	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.

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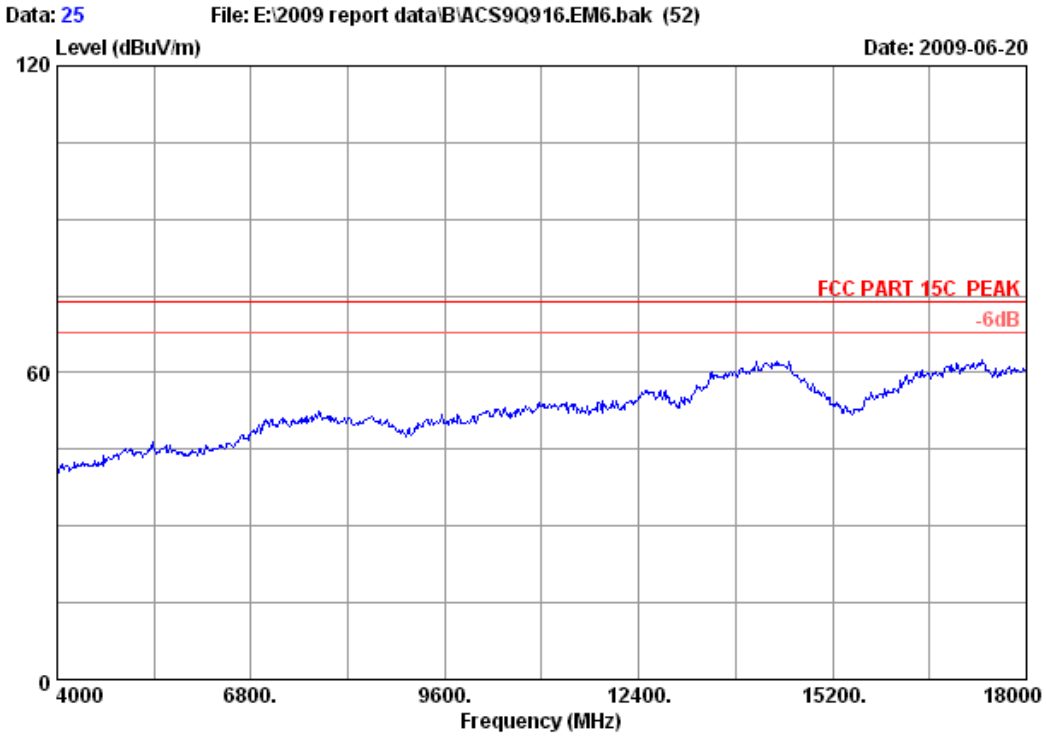

Site no.	: 3m Chamber	Data no.	: 25
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2412MHz		
	M/N:RF-RBAUX		

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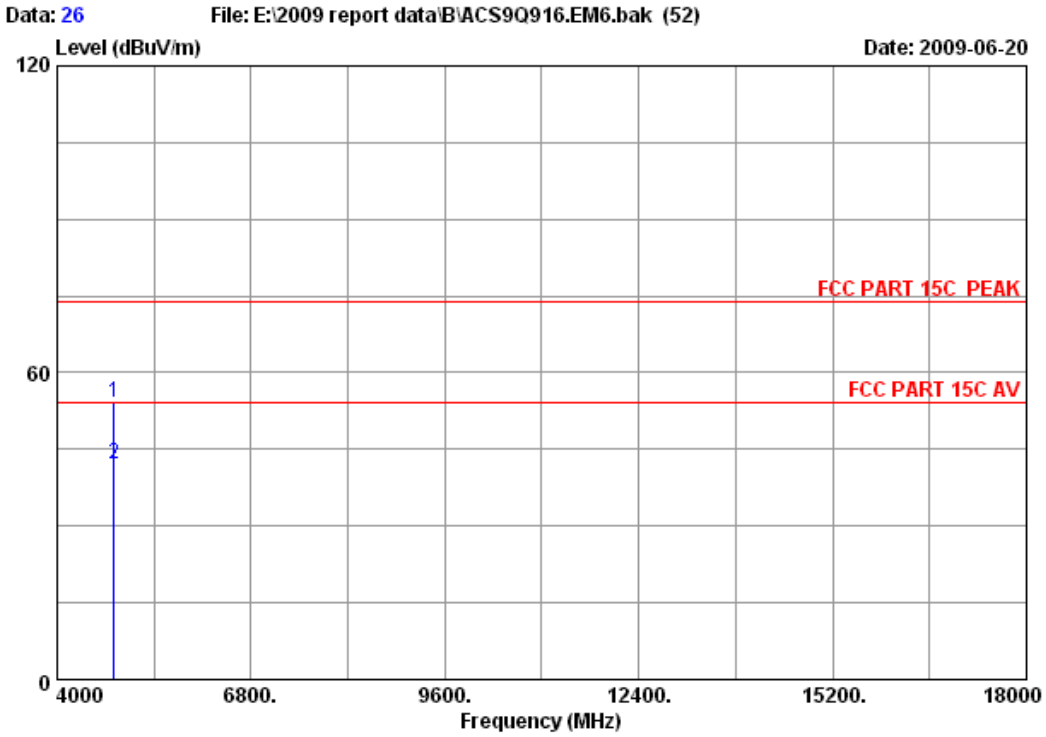

Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	4824.000	34.47	10.55	34.59	43.67	54.10	74.00	19.90	Peak
2	4824.000	34.47	10.55	34.59	31.56	41.99	54.00	12.01	Average

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.

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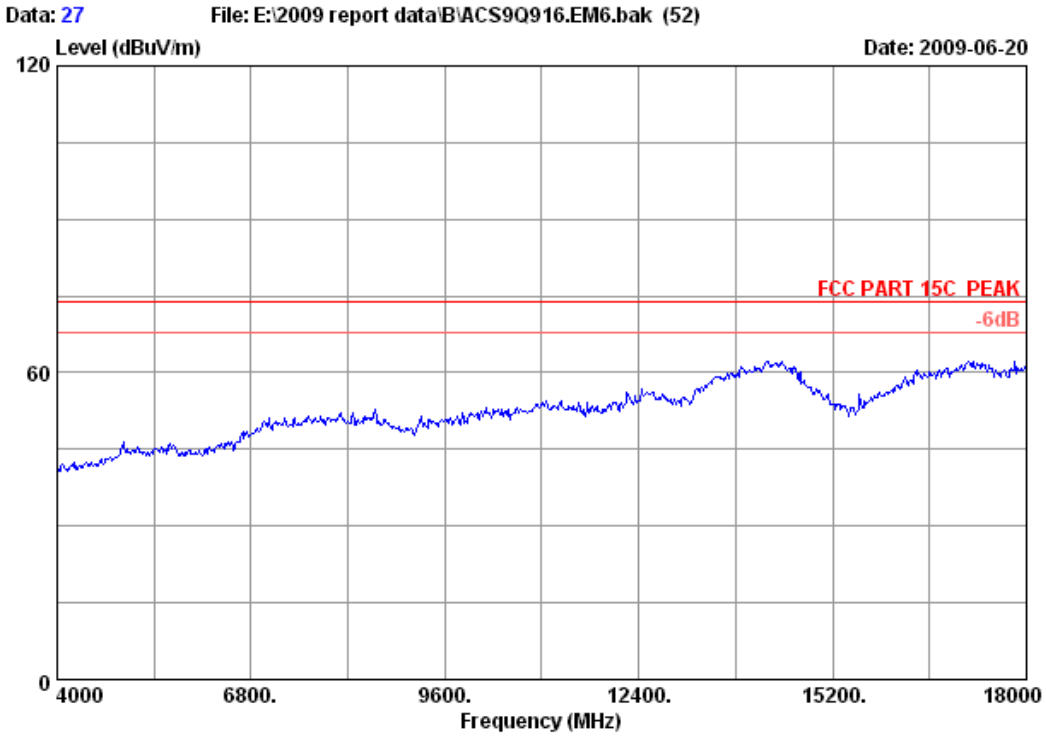

Site no.	: 3m Chamber	Data no.	: 27
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2412MHz		
	M/N:RF-RBAUX		

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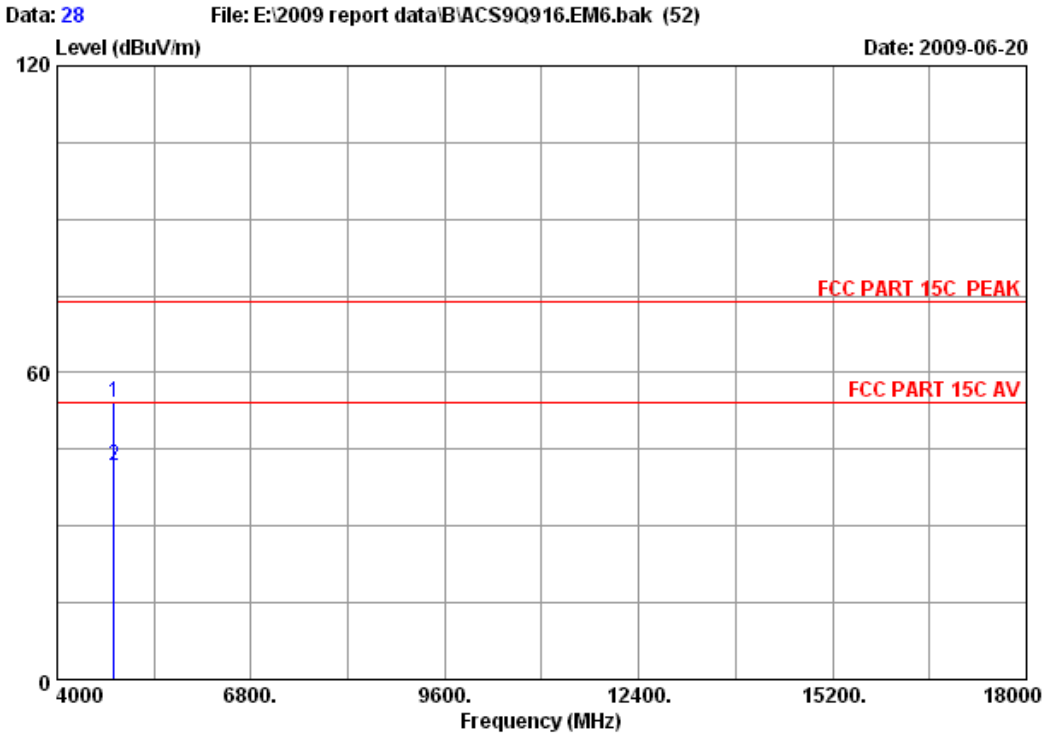

Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	4824.000	34.47	10.55	34.59	43.67	54.10	74.00	19.90	Peak
2	4824.000	34.47	10.55	34.59	31.48	41.91	54.00	12.09	Average

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.

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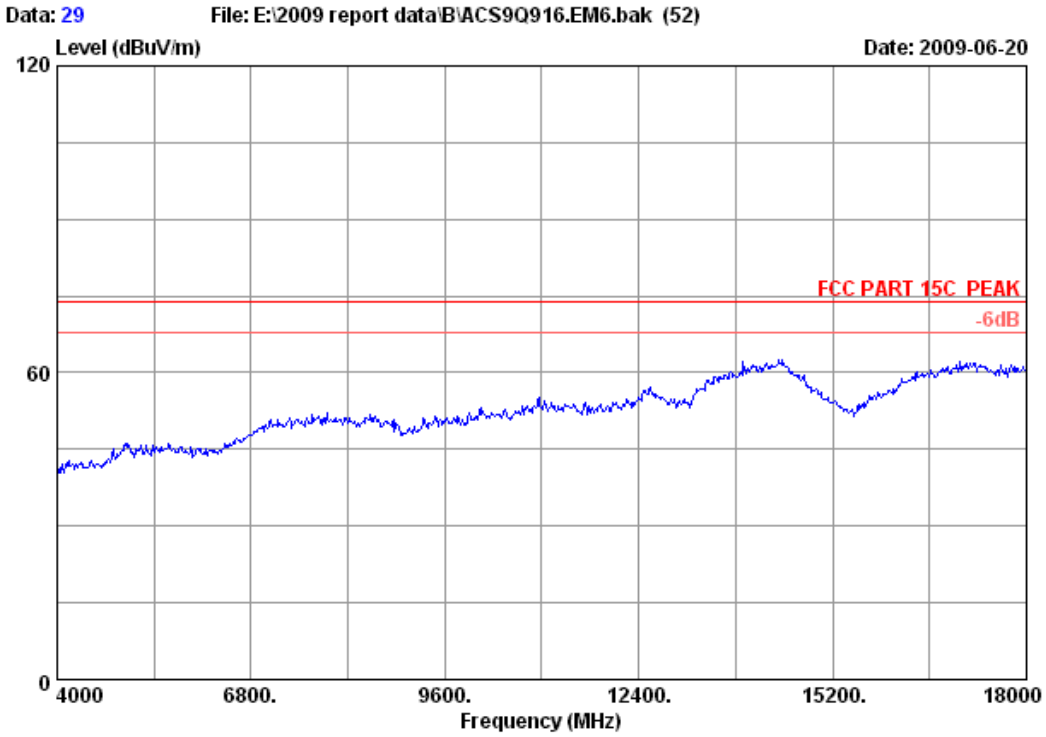
Postcode:518057



Site no.	: 3m Chamber	Data no.	: 29
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2438MHz		
	M/N:RF-RBAUX		

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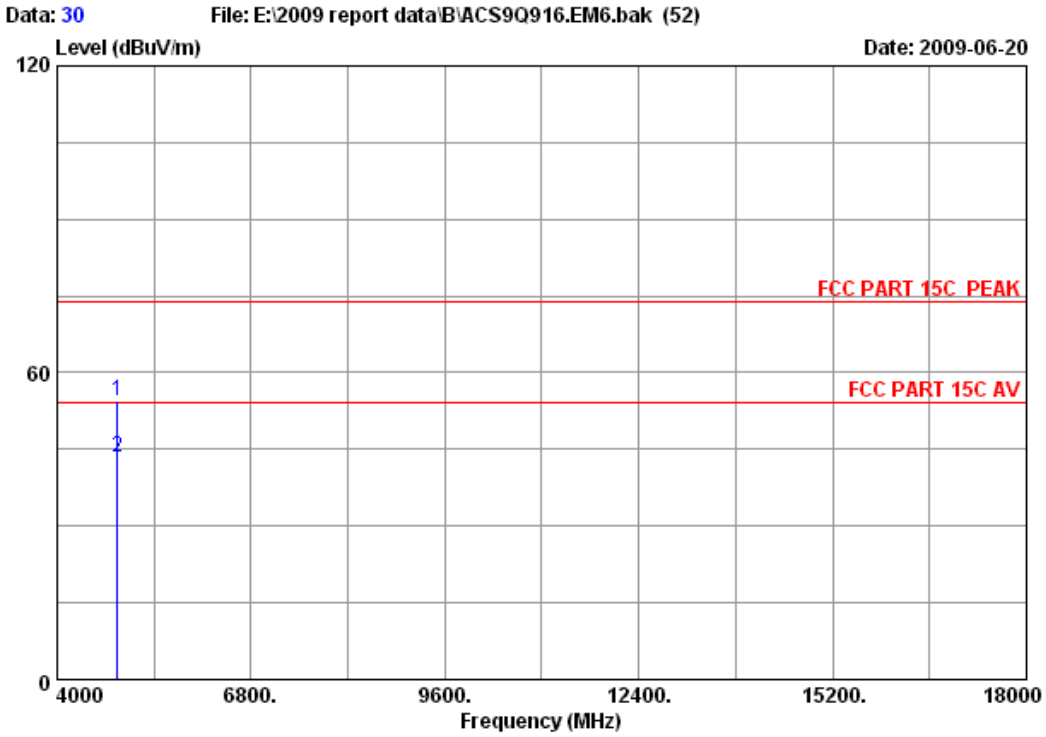

Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2438MHz
M/N:RF-RBAUX

	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	4876.000	34.78	10.56	34.58	43.65	54.41	74.00	19.59	Peak
2	4876.000	34.78	10.56	34.58	32.56	43.32	54.00	10.68	Average

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.

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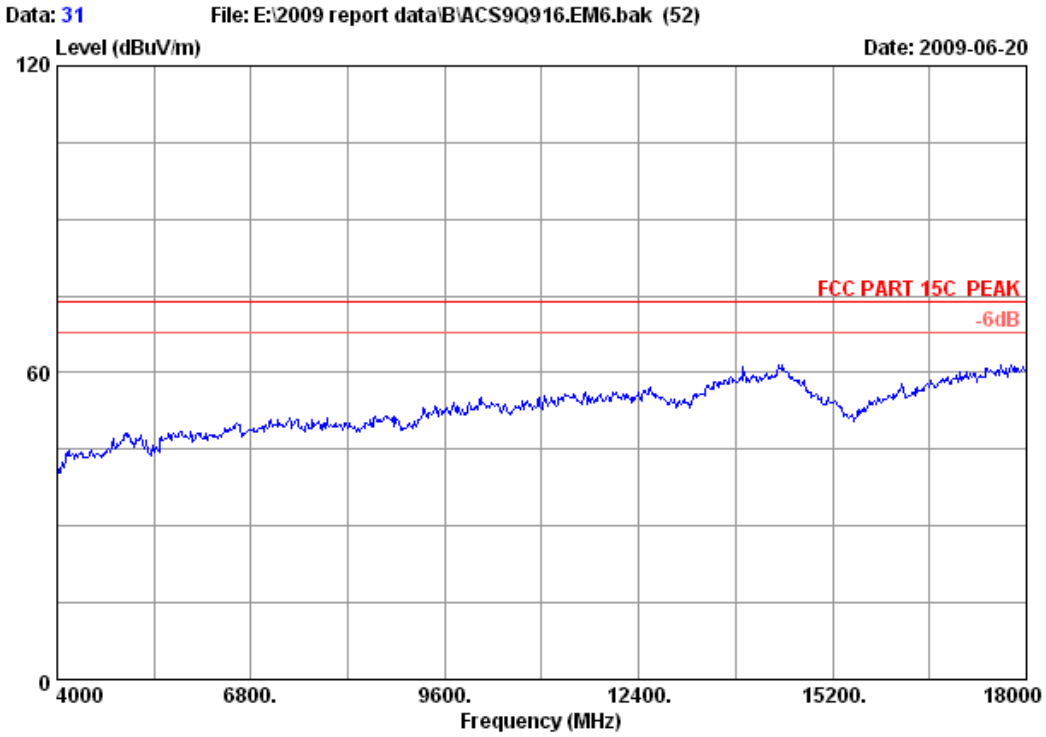

Site no.	: 3m Chamber	Data no.	: 31
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2438MHz		
	M/N:RF-RBAUX		

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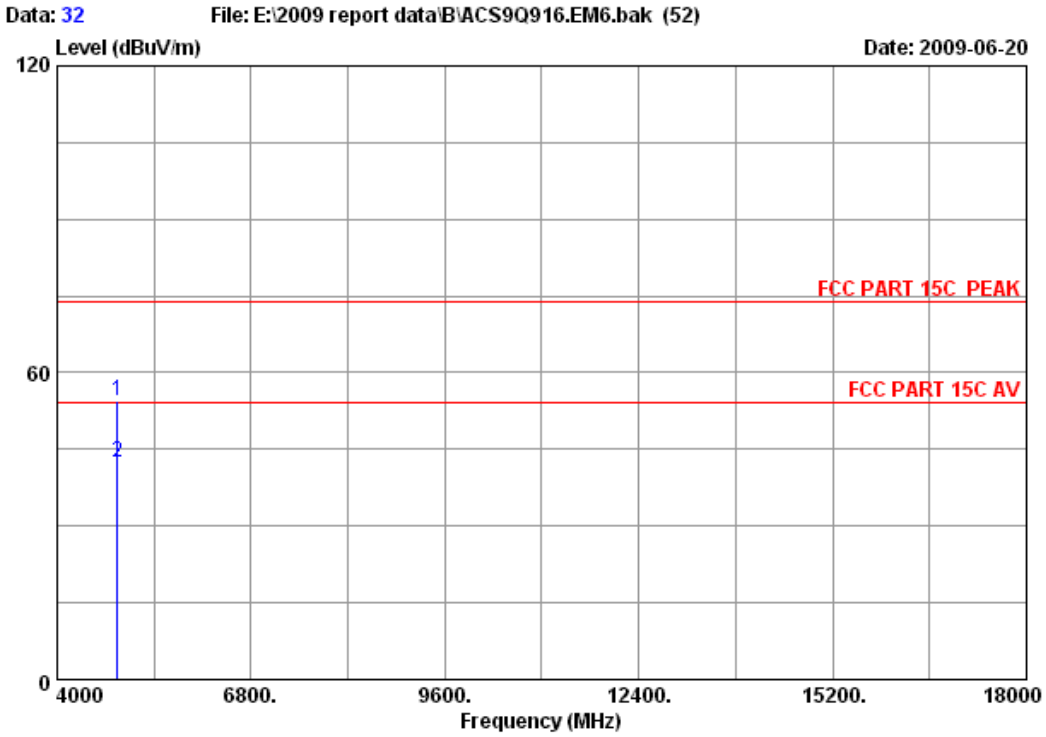

Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2438MHz
M/N:RF-RBAUX

	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	4876.000	34.78	10.56	34.58	43.68	54.44	74.00	19.56	Peak
2	4876.000	34.78	10.56	34.58	31.83	42.59	54.00	11.41	Average

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.

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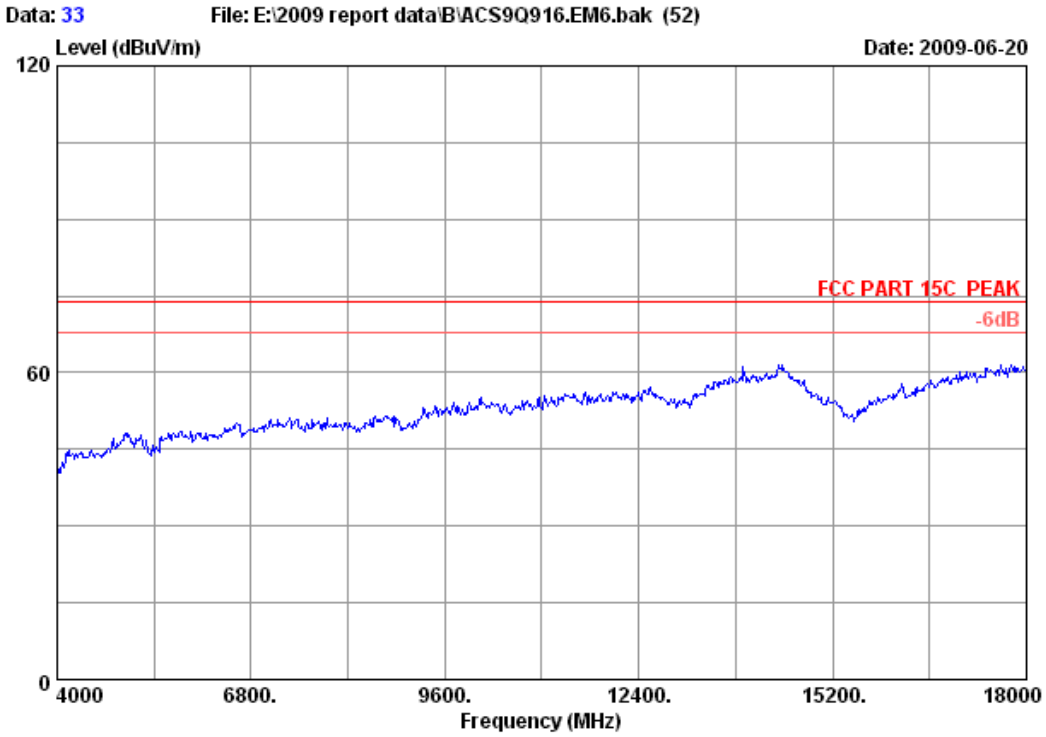

Site no.	: 3m Chamber	Data no.	: 33
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2462MHz		
	M/N:RF-RBAUX		

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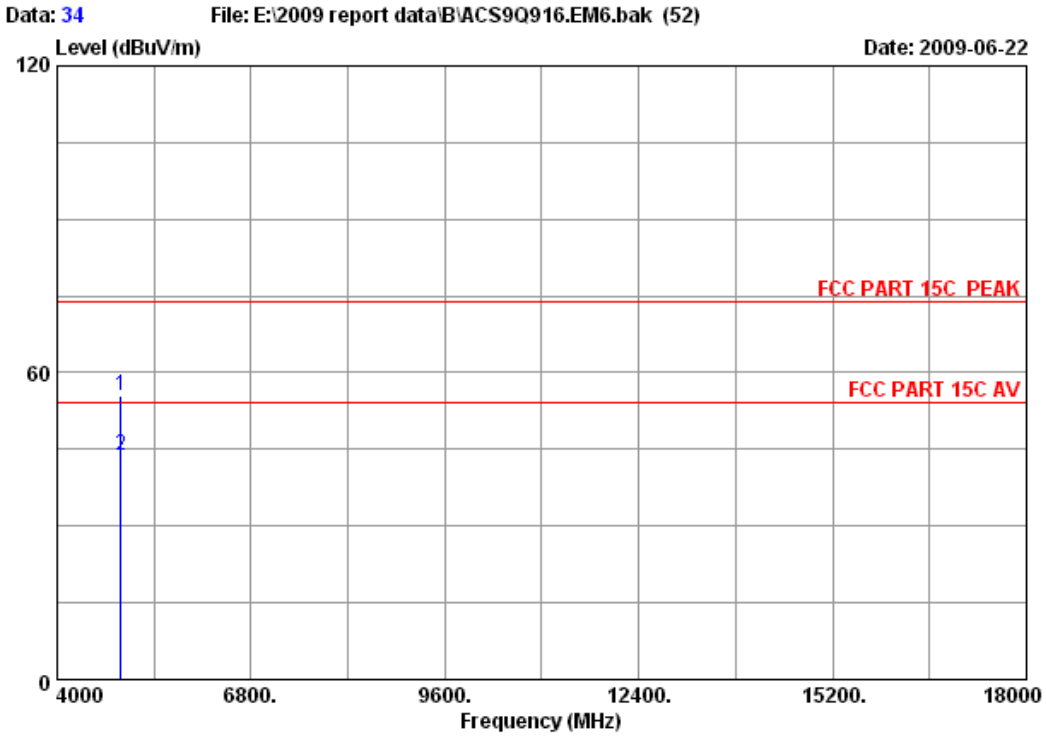

Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	4924.000	35.09	10.58	34.57	44.38	55.48	74.00	18.52	Peak
2	4924.000	35.09	10.58	34.57	32.57	43.67	54.00	10.33	Average

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.

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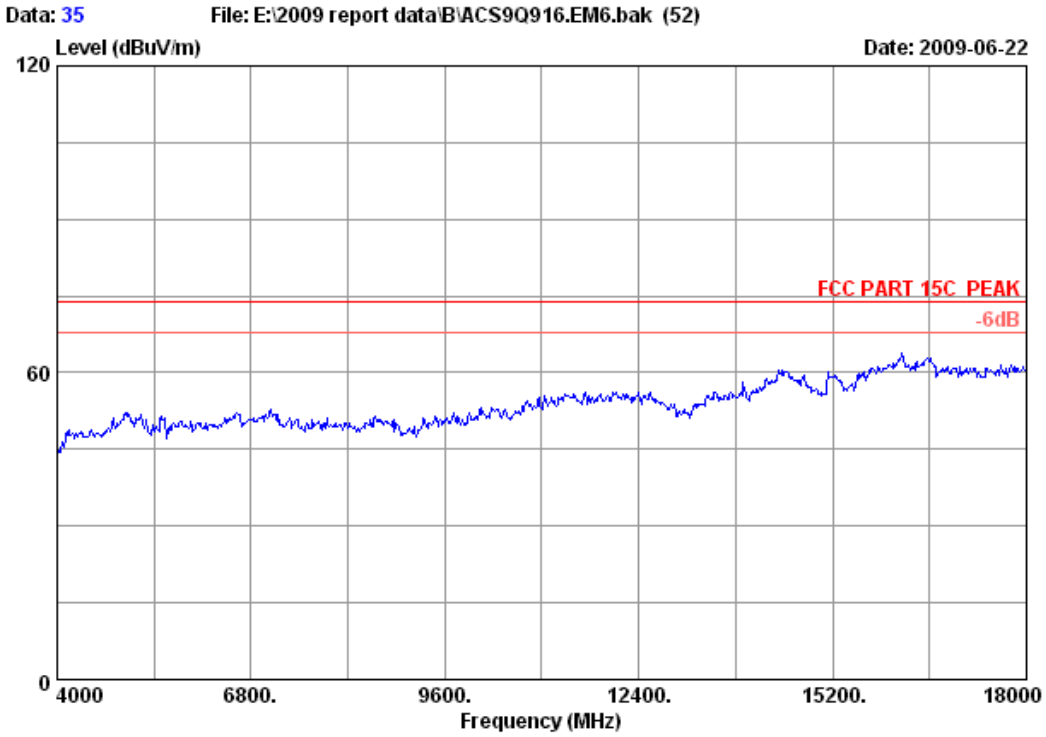

Site no.	: 3m Chamber	Data no.	: 35
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Paul Tian
EUT	: Wireless Sender / Receiver		
Power	: DC 5V From Adapter input 120V/60Hz		
Test mode	: Tx AT1 2462MHz		
	M/N:RF-RBAUX		

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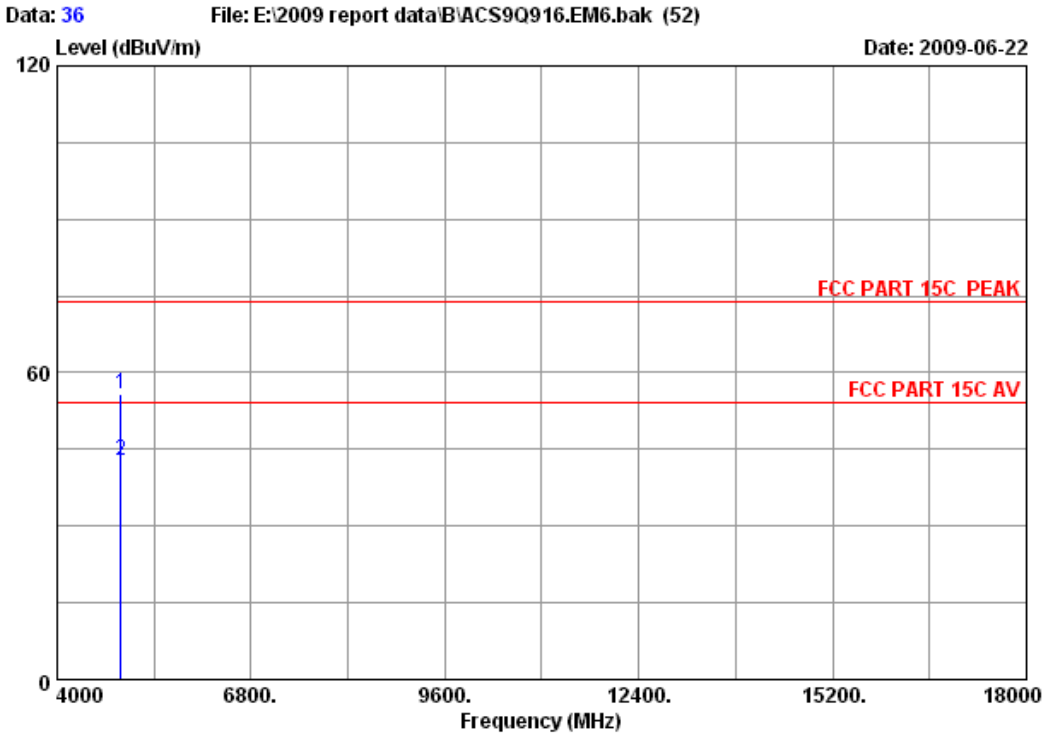
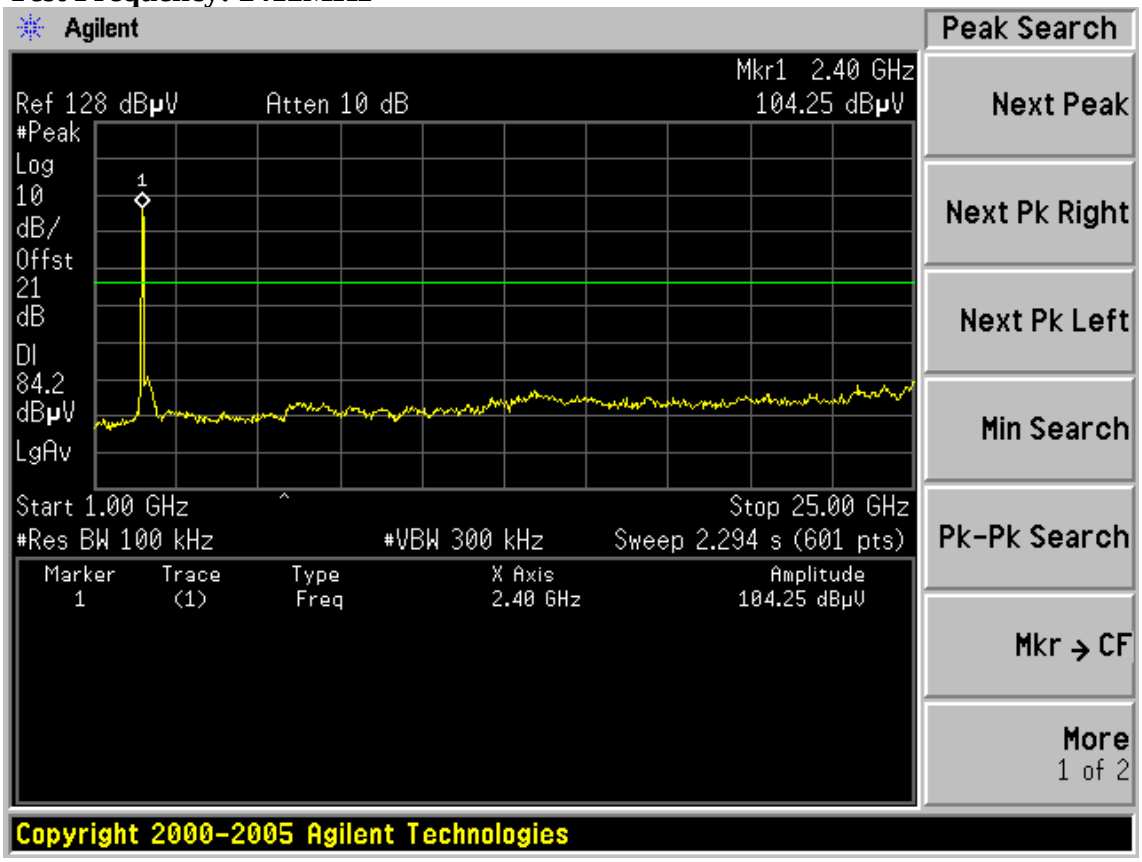


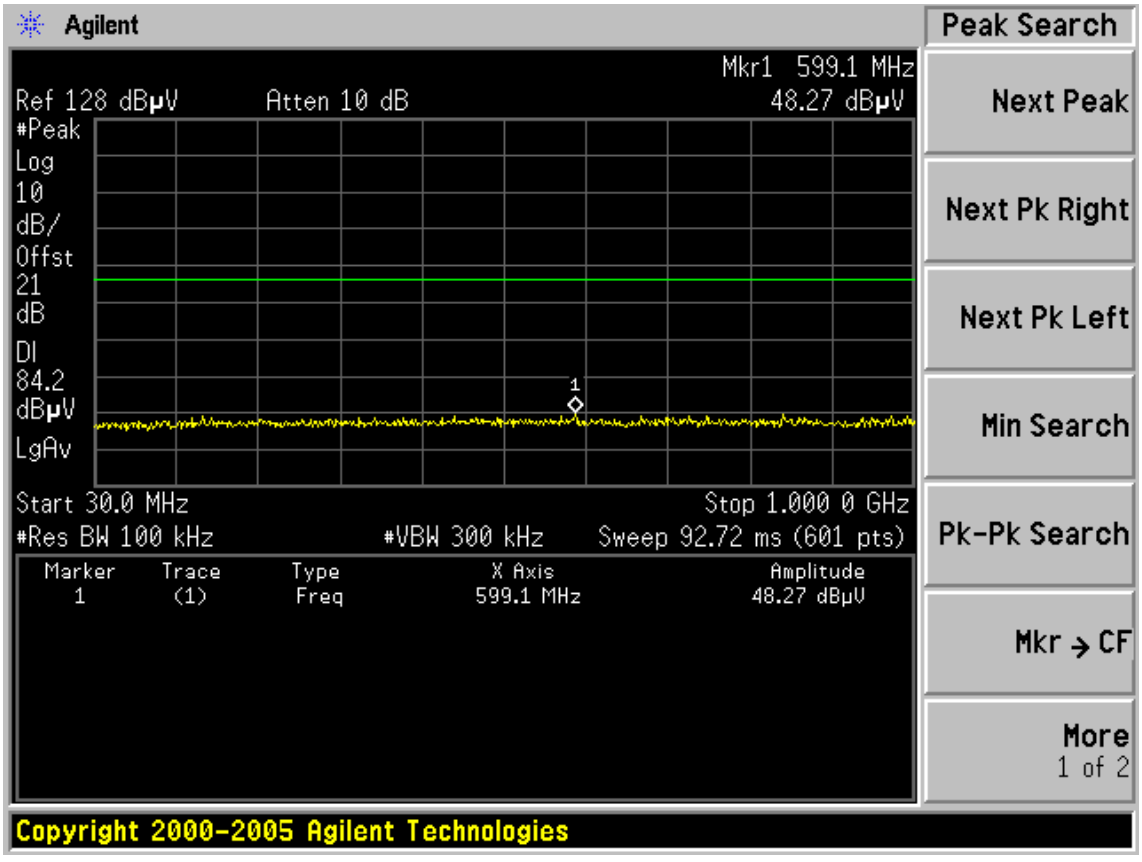
Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

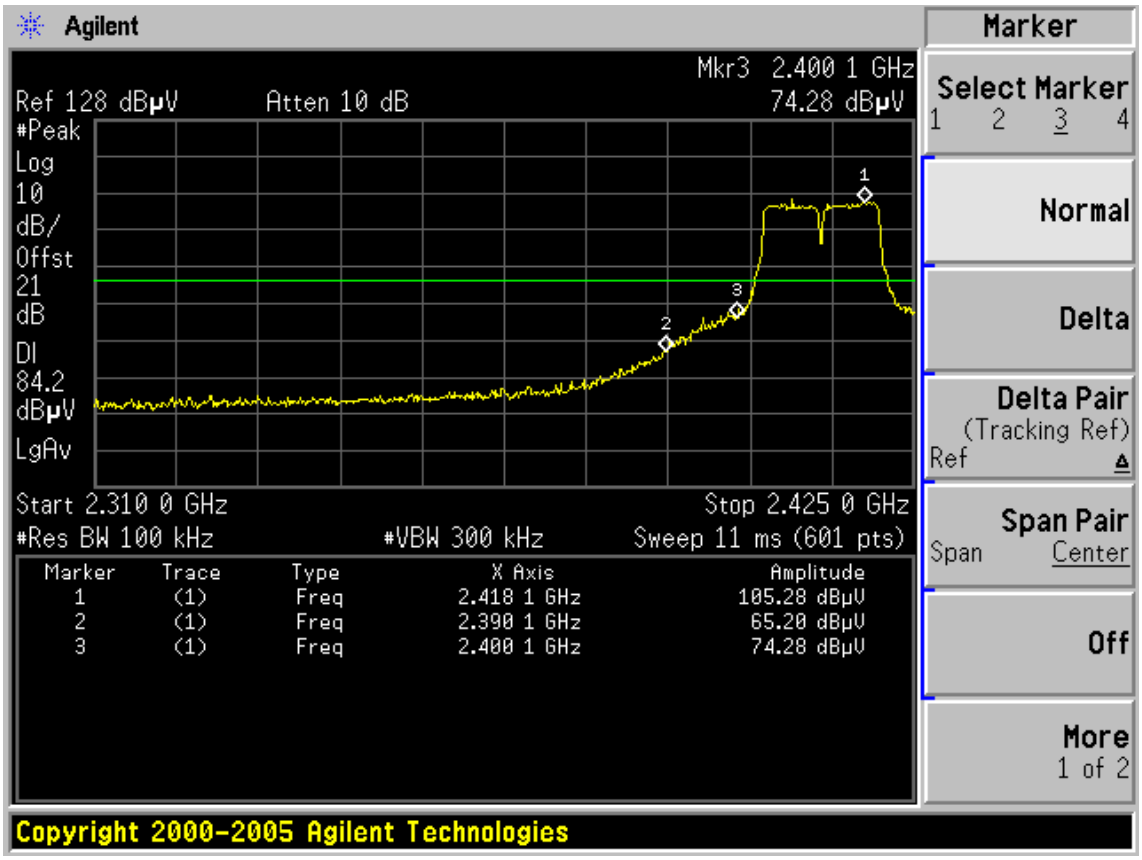
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	44.63	55.73	74.00	18.27	Peak
2	4924.000	35.09	10.58	34.57	31.57	42.67	54.00	11.33	Average

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.

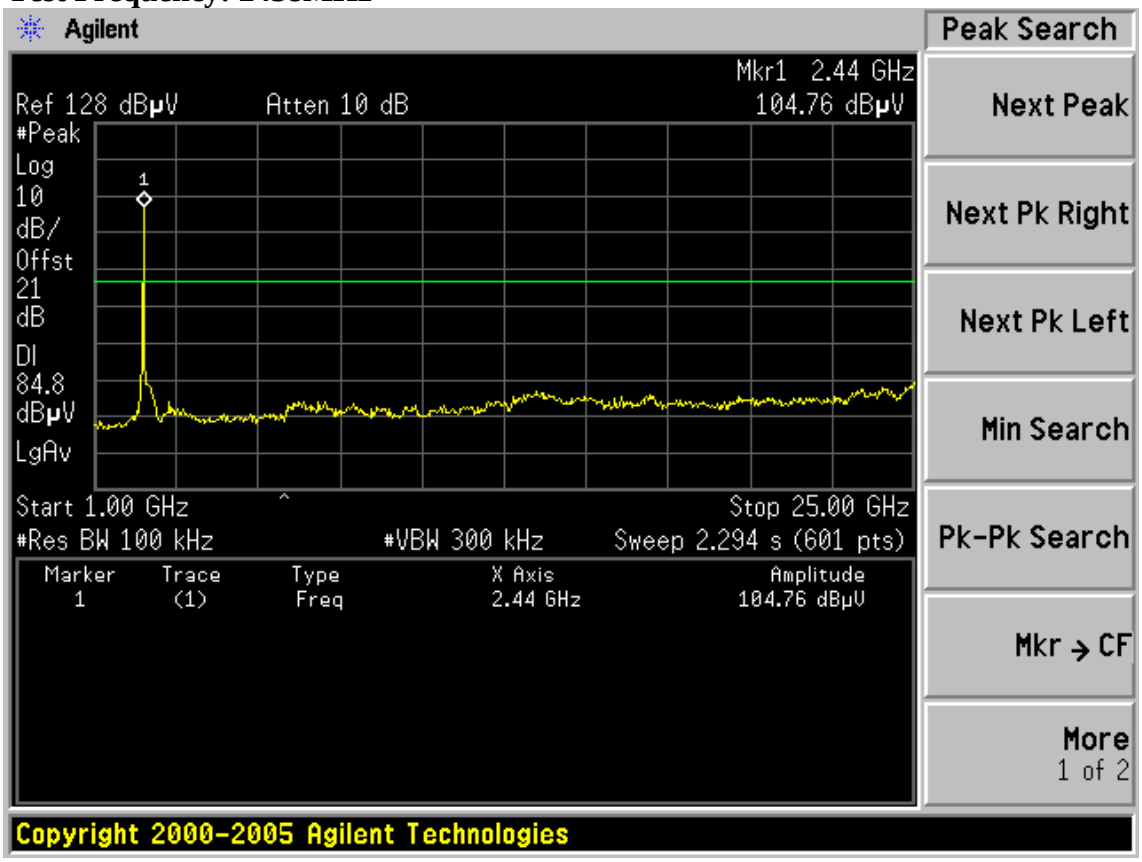
Conducted emission test data:
AT0:
Test Frequency: 2412MHz

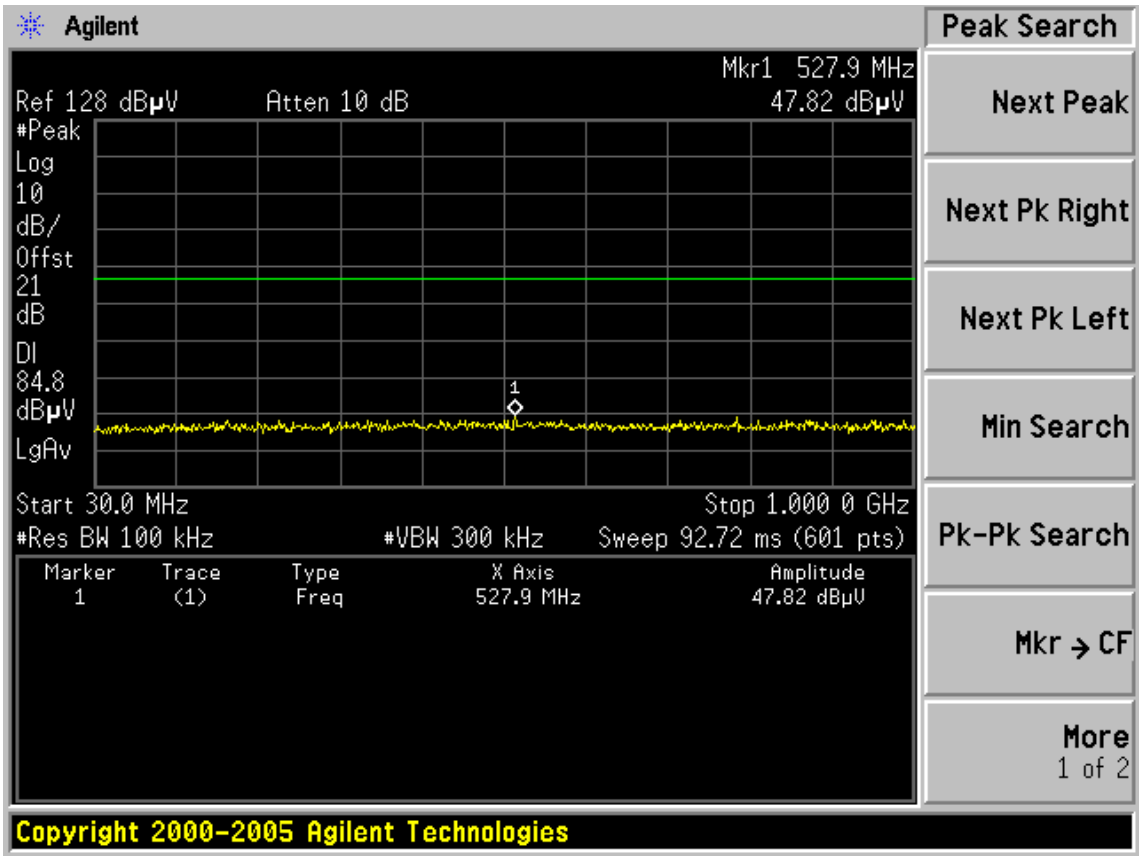




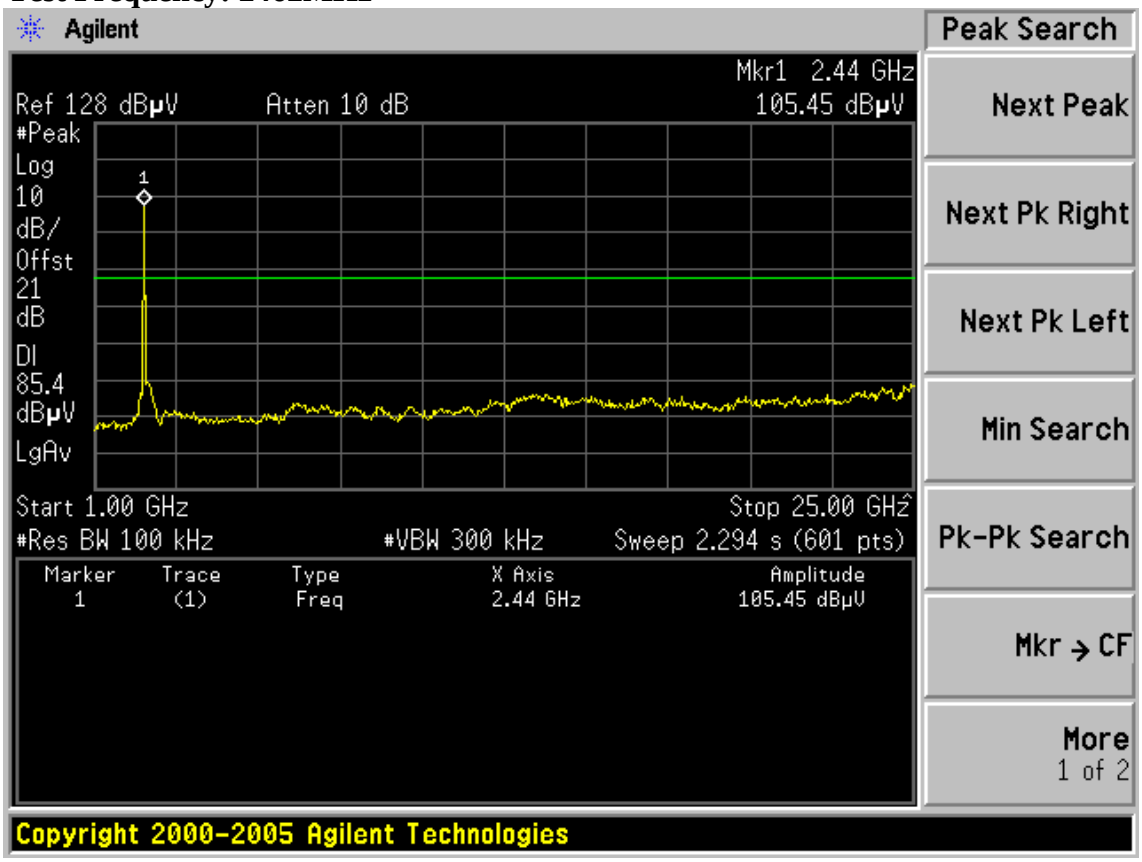


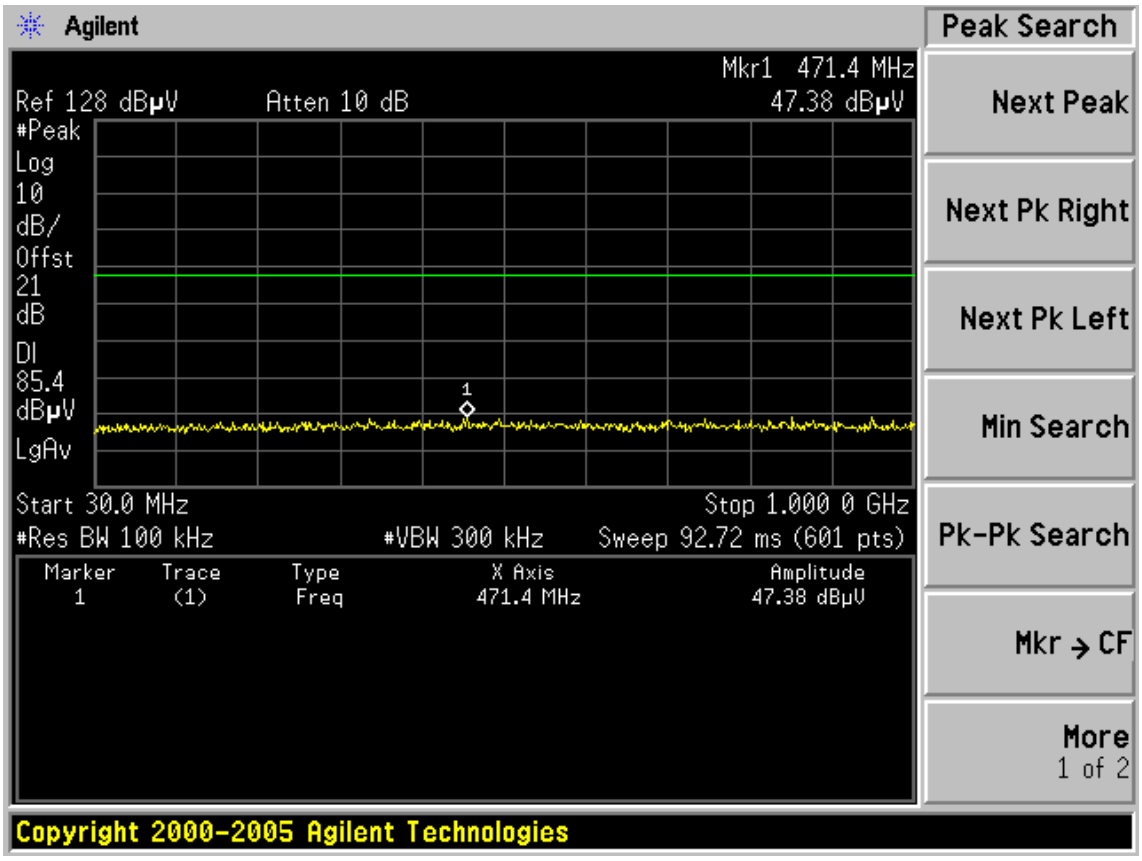
Test Frequency: 2438MHz

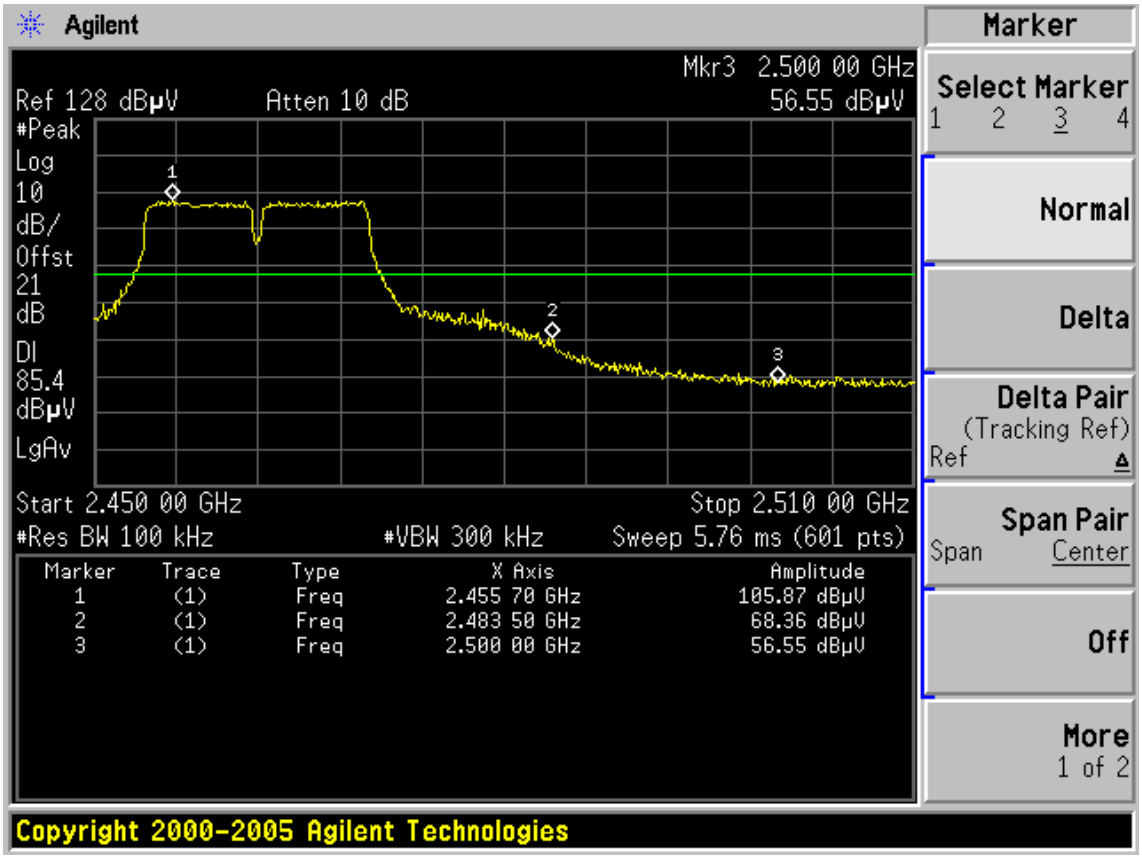




Test Frequency: 2462MHz




Agilent
Peak Search
Mkr1 471.4 MHz
Ref 128 dBµV
Atten 10 dB
47.38 dBµV
#Peak
Log
10
dB/
Offst
21
dB
Dl
85.4
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 471.4 MHz 47.38 dBµV
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr3 2.500 00 GHz
Ref 128 dBµV
Atten 10 dB
56.55 dBµV
#Peak
Log
10
dB/
Offst
21
dB
Dl
85.4
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.76 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.455 70 GHz 105.87 dBµV
2 (1) Freq 2.483 50 GHz 68.36 dBµV
3 (1) Freq 2.500 00 GHz 56.55 dBµV
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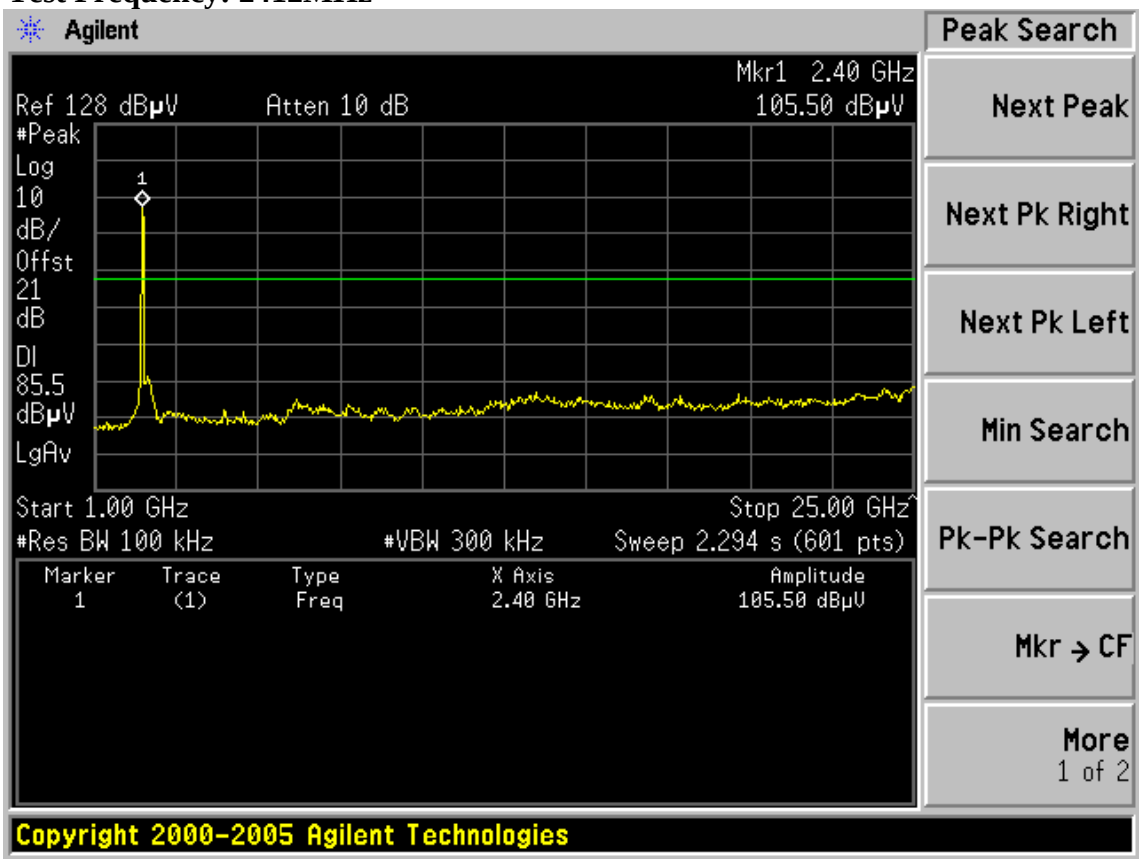
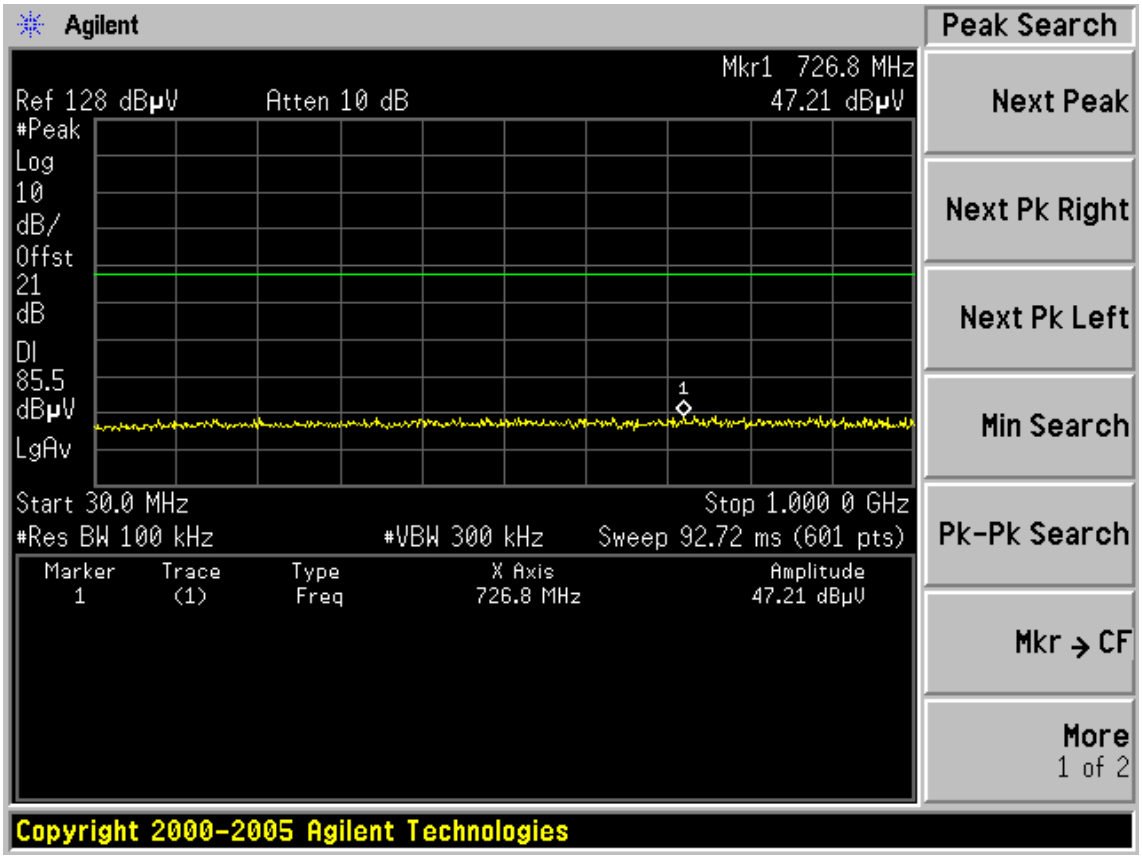
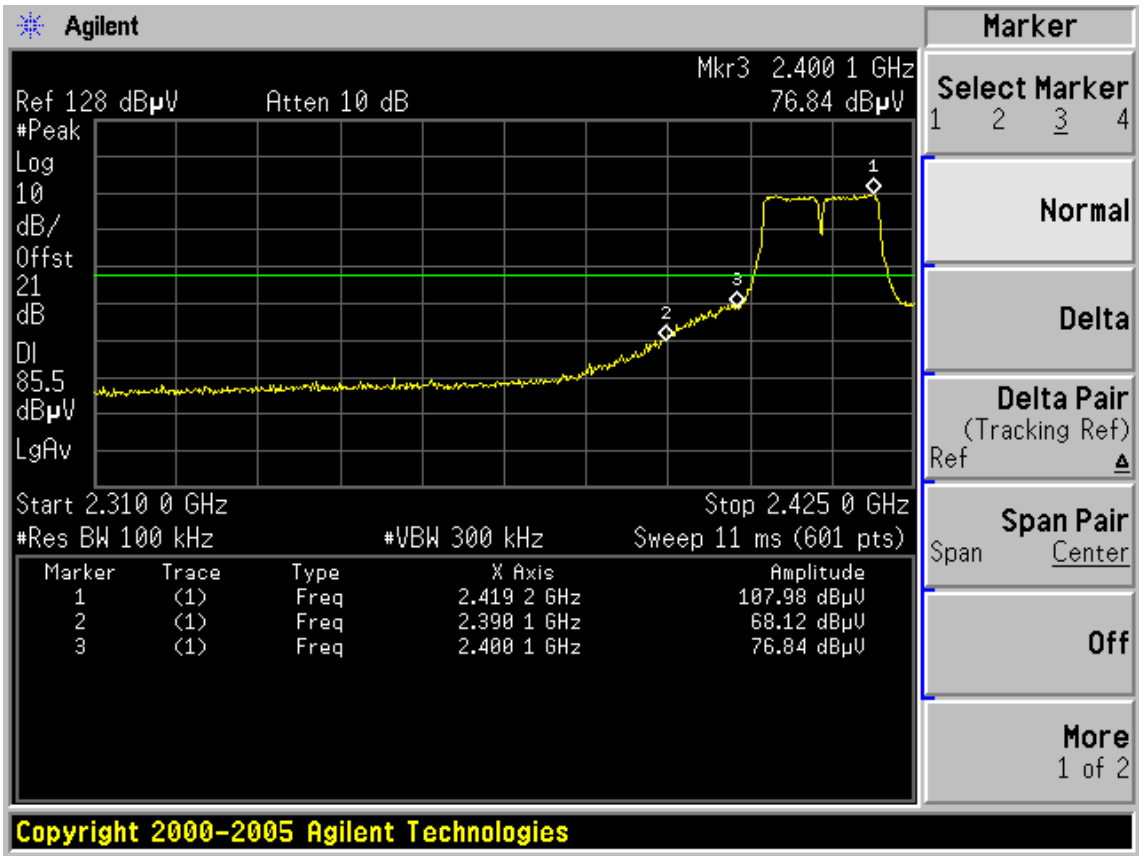
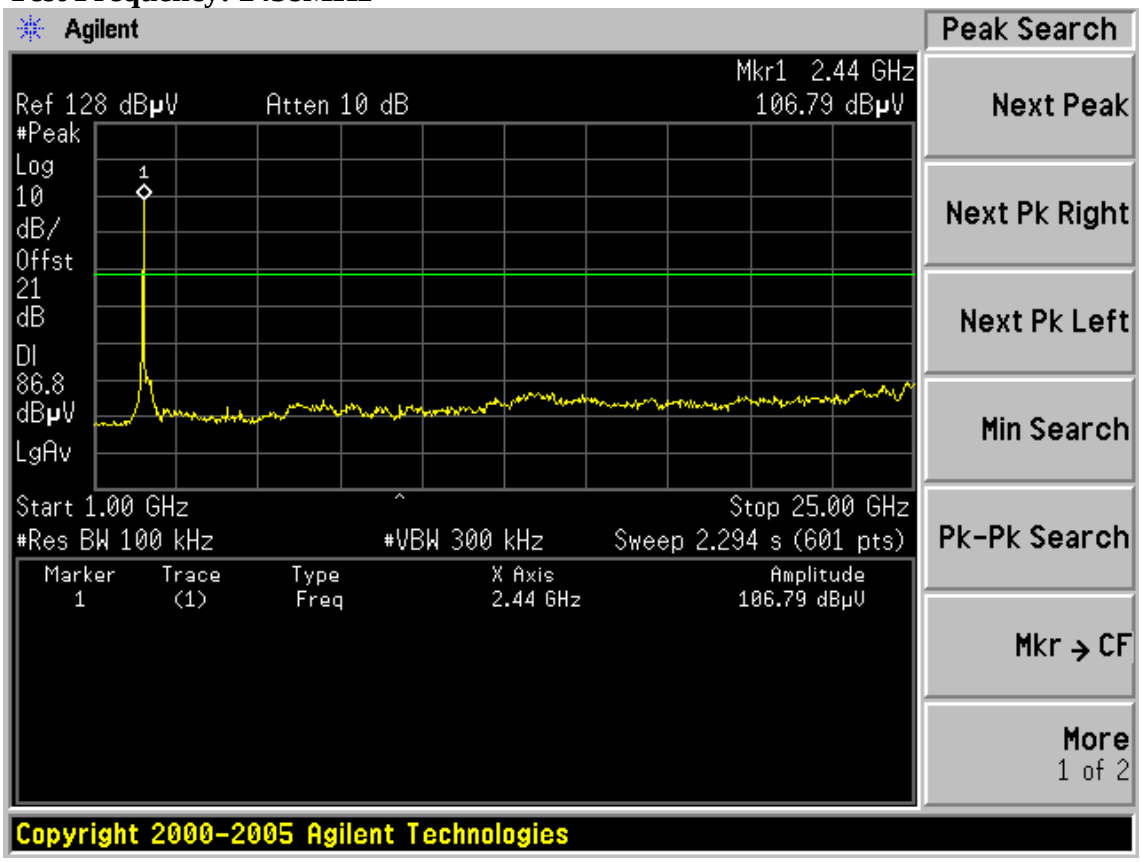
AT1:
Test Frequency: 2412MHz

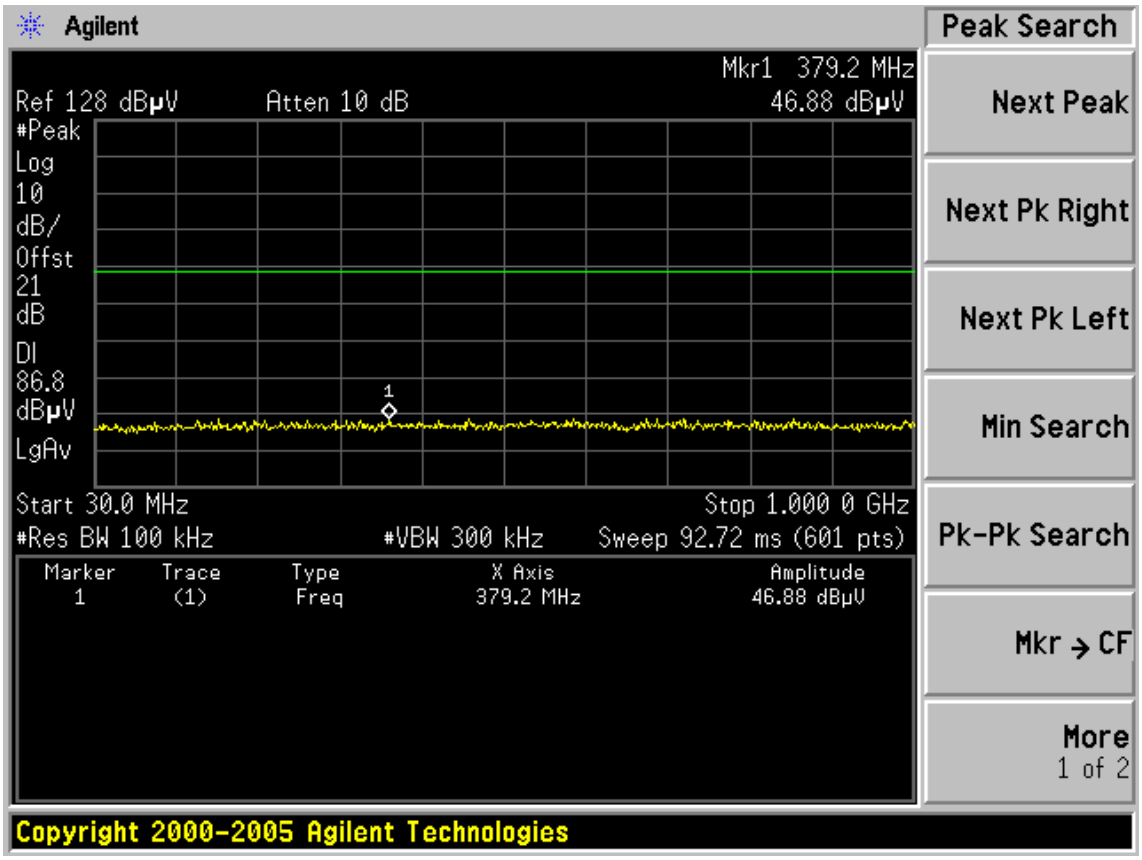




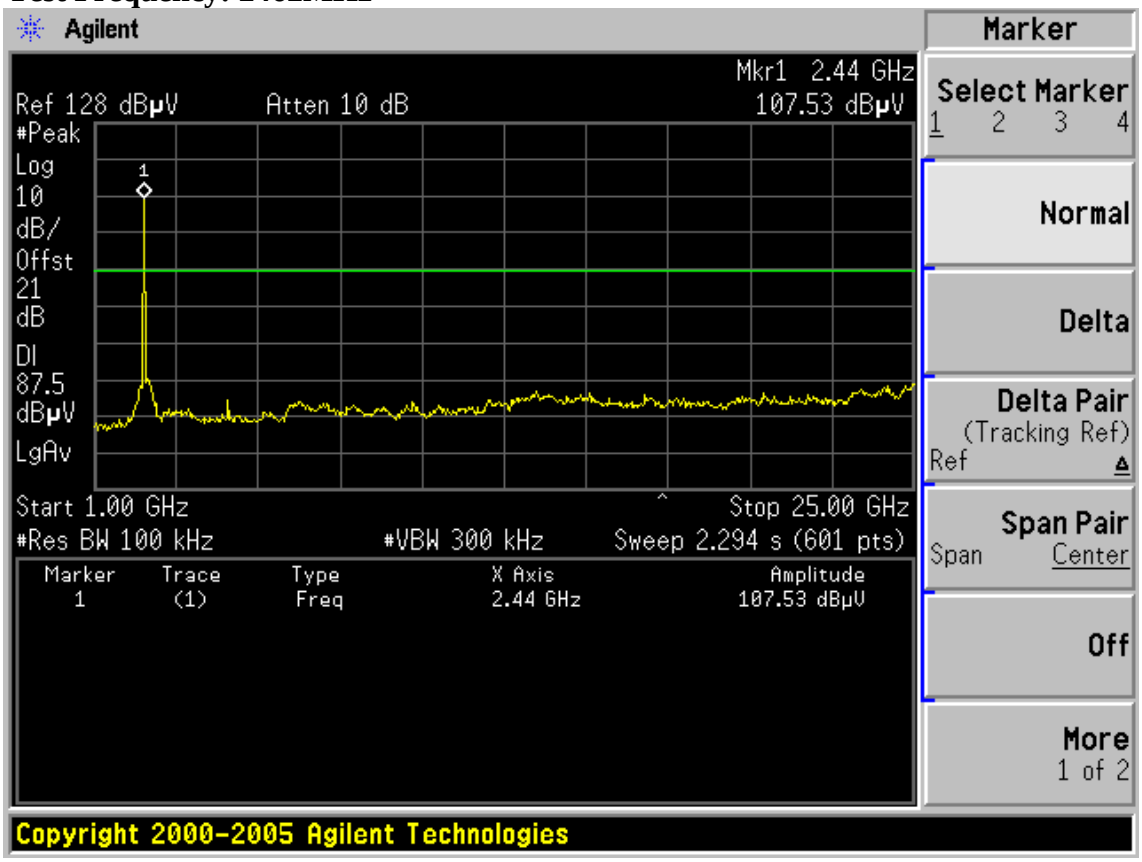


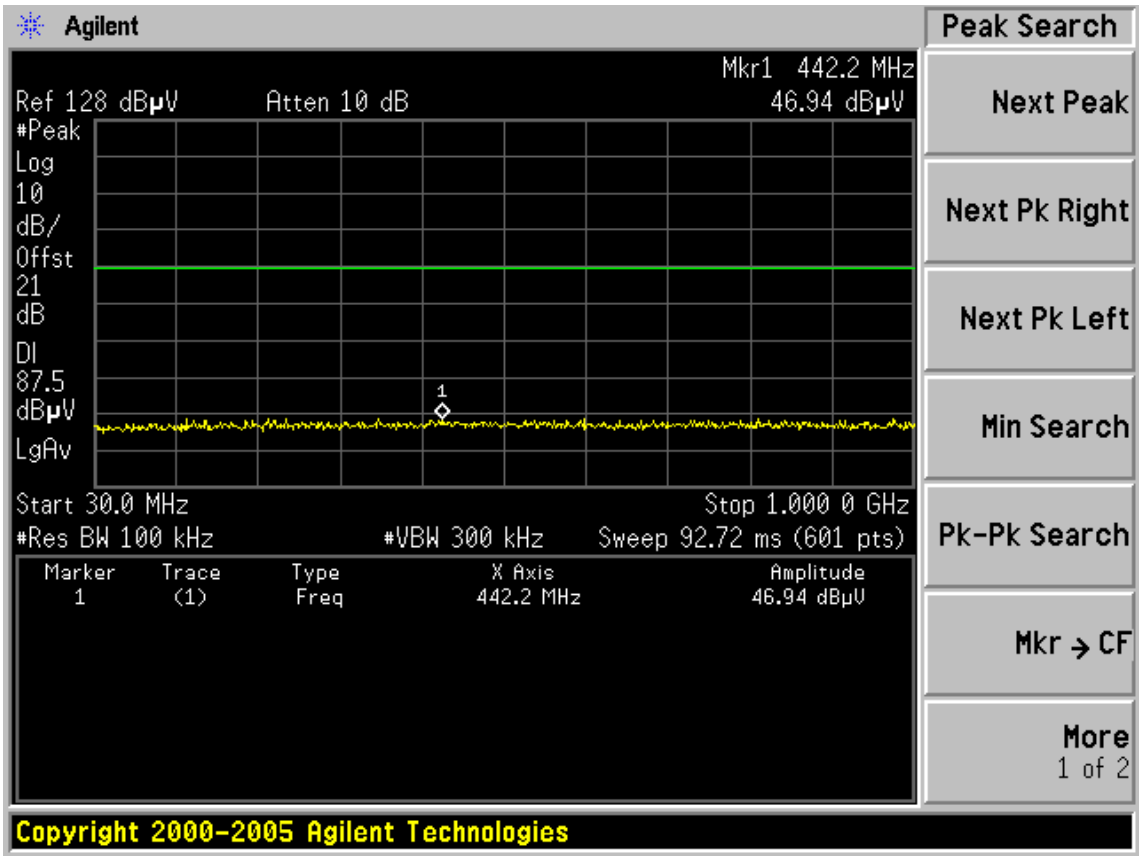
Test Frequency: 2438MHz





Test Frequency: 2462MHz




Agilent
Peak Search
Mkr1 442.2 MHz
Ref 128 dBµV
Atten 10 dB
46.94 dBµV
#Peak
Log
10
dB/
Offst
21
dB
Dl
87.5
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 442.2 MHz 46.94 dBµV
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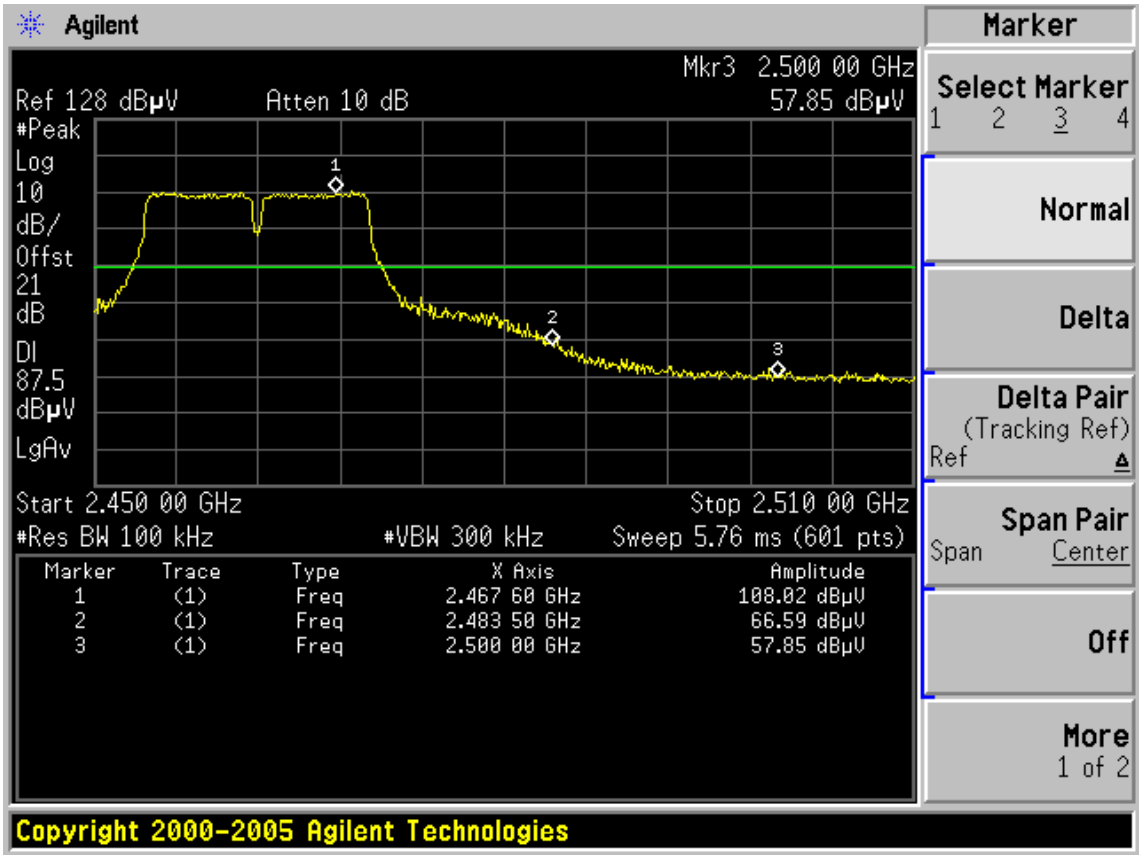
Agilent
Marker
Mkr3 2.500 00 GHz
Ref 128 dBµV
Atten 10 dB
57.85 dBµV
#Peak
Log
10
dB/
Offst
21
dB
Dl
87.5
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.76 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.467 60 GHz 108.02 dBµV
2 (1) Freq 2.483 50 GHz 66.59 dBµV
3 (1) Freq 2.500 00 GHz 57.85 dBµV
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5. BAND EDGE COMPLIANCE TEST

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,08, 09	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	May, 27, 08	1.5 Year
3	Amplifier	Agilent	8449B	3008A02495	Nov.24.08	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX 102	28620/2	May,08, 09	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX 102	271471/4	May,08, 09	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX 102	29086/2	May,08, 09	1 Year

5.2.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.

5.3.Test 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=VBW=1MHz / Sweep=AUTO
   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

5.4.Test Results

Pass (The testing data was attached in the next pages.)
All the emissions outside operation frequency band were comply with 15.209 limit

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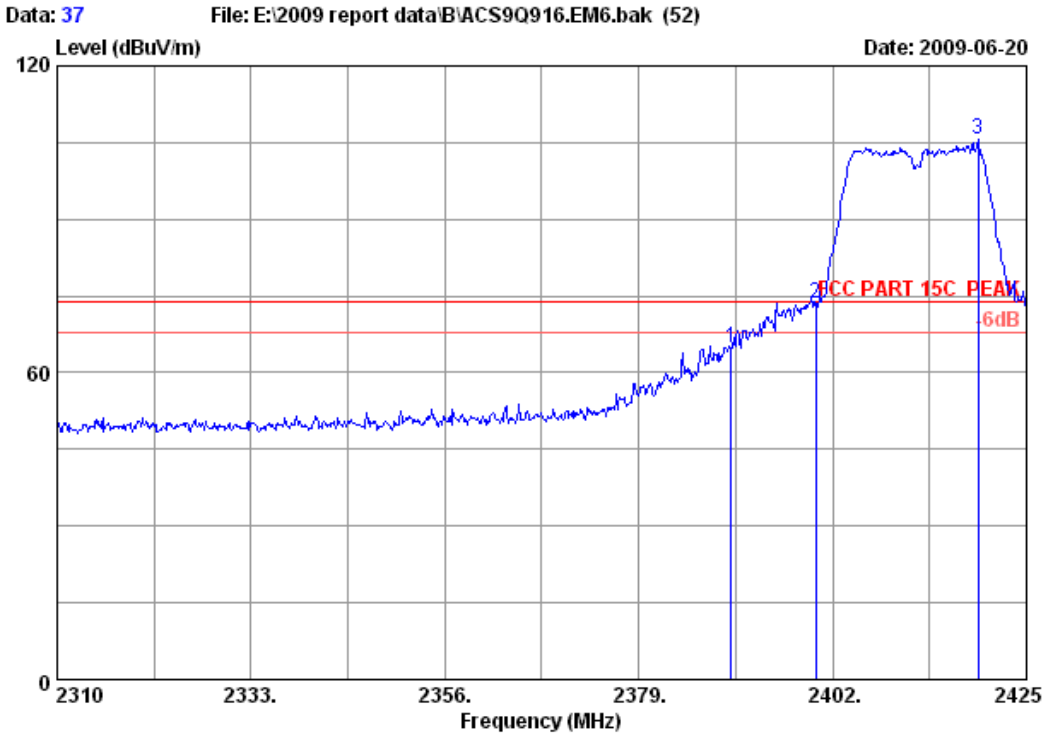

Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	2390.000	28.46	6.71	35.12	64.71	64.76	74.00	9.24	Peak
2	2400.000	28.46	6.73	35.12	73.32	73.39	74.00	0.61	Peak
3	2419.250	28.48	6.77	35.11	105.54	105.68	74.00	-31.68	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.

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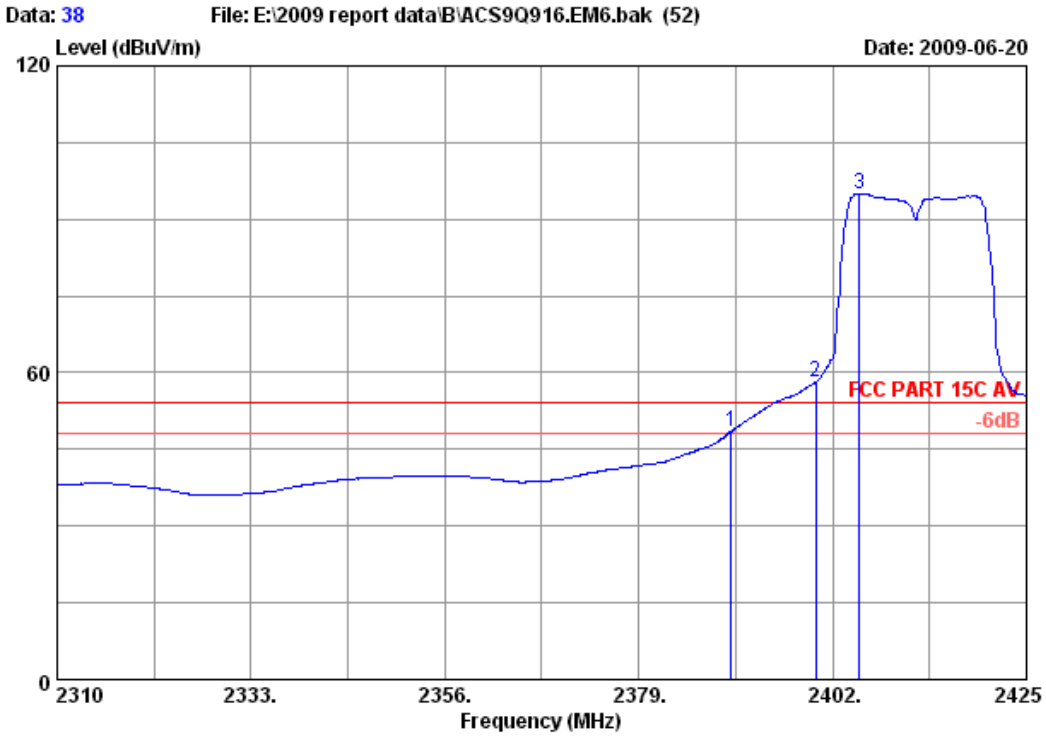

Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	2390.000	28.46	6.71	35.12	48.52	48.57	54.00	5.43	Average
2	2400.000	28.46	6.73	35.12	58.14	58.21	54.00	-4.21	Average
3	2405.220	28.48	6.73	35.12	95.00	95.09	54.00	-41.09	Average

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.

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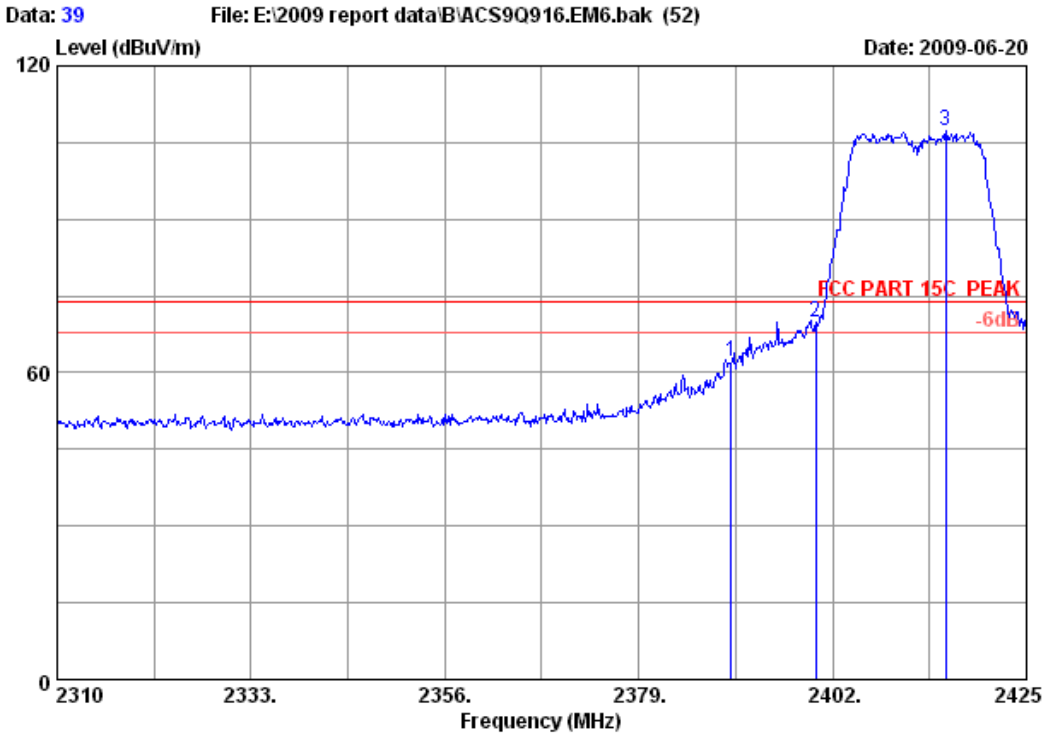

Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	2390.000	28.46	6.71	35.12	62.05	62.10	74.00	11.90	Peak
2	2400.000	28.46	6.73	35.12	69.91	69.98	74.00	4.02	Peak
3	2415.455	28.48	6.77	35.11	107.01	107.15	74.00	-33.15	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.

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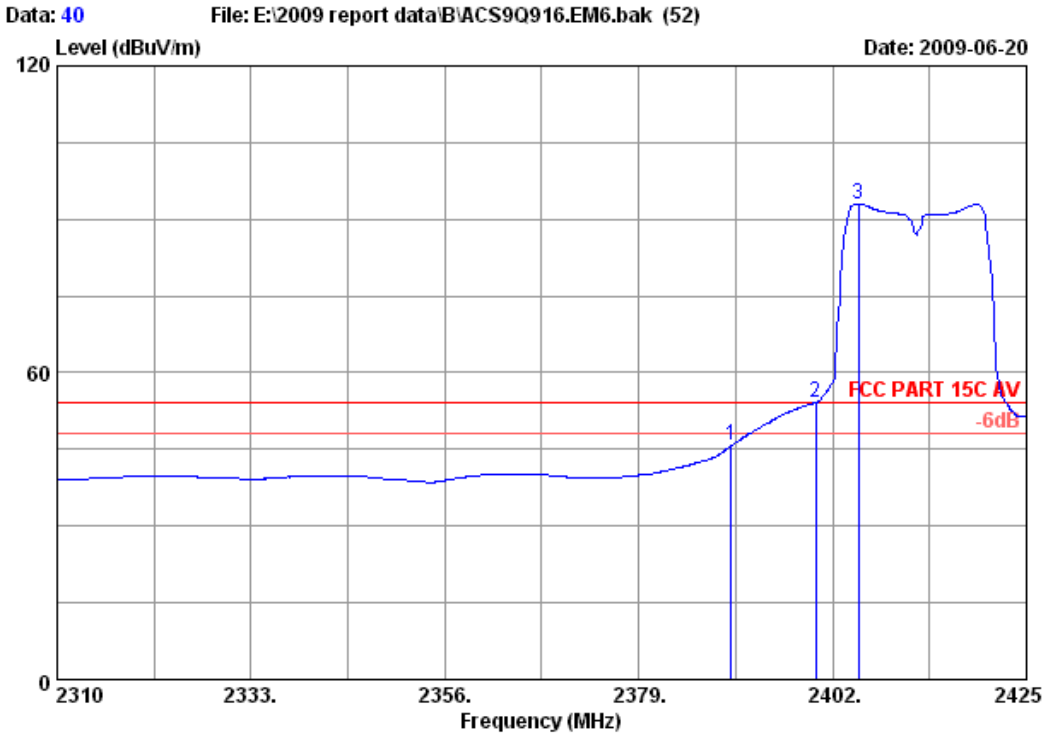

Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2412MHz
M/N:RF-RBAUX

	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	2390.000	28.46	6.71	35.12	45.71	45.76	54.00	8.24	Average
2	2400.000	28.46	6.73	35.12	54.16	54.23	54.00	-0.23	Average
3	2405.105	28.48	6.73	35.12	93.00	93.09	54.00	-39.09	Average

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.

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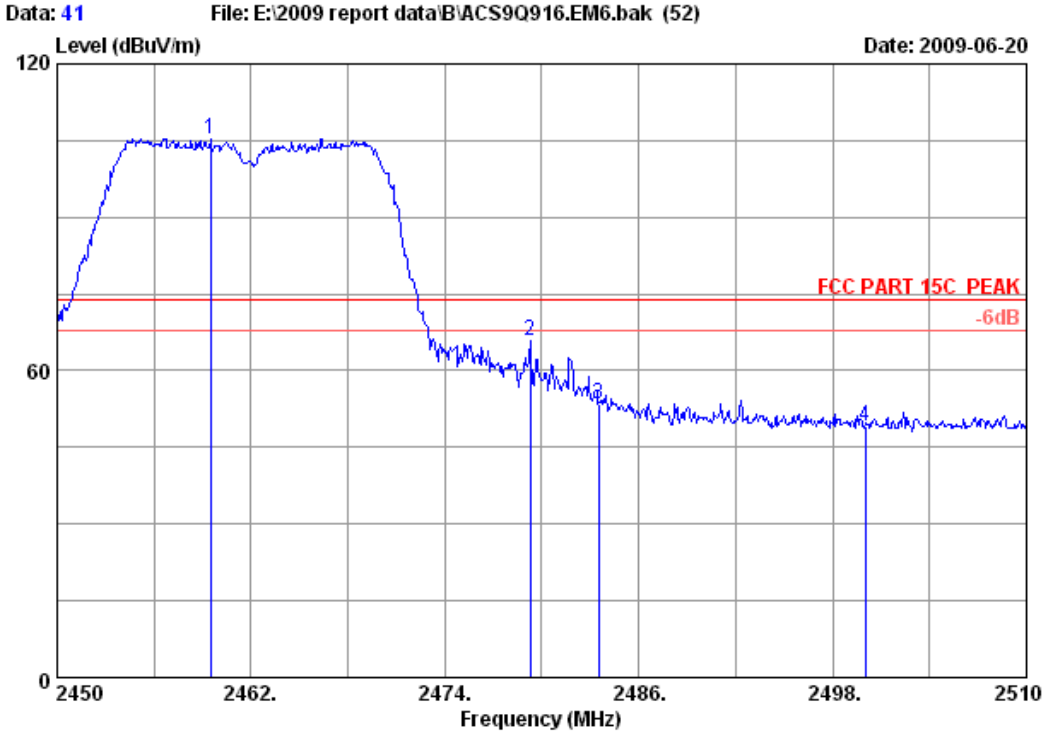

Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	2459.480	28.55	6.84	35.11	105.14	105.42	74.00	-31.42	Peak
2	2479.280	28.58	6.87	35.10	65.35	65.70	74.00	8.30	Peak
3	2483.500	28.58	6.87	35.10	53.25	53.60	74.00	20.40	Peak
4	2500.000	28.60	6.91	35.10	48.79	49.20	74.00	24.80	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.

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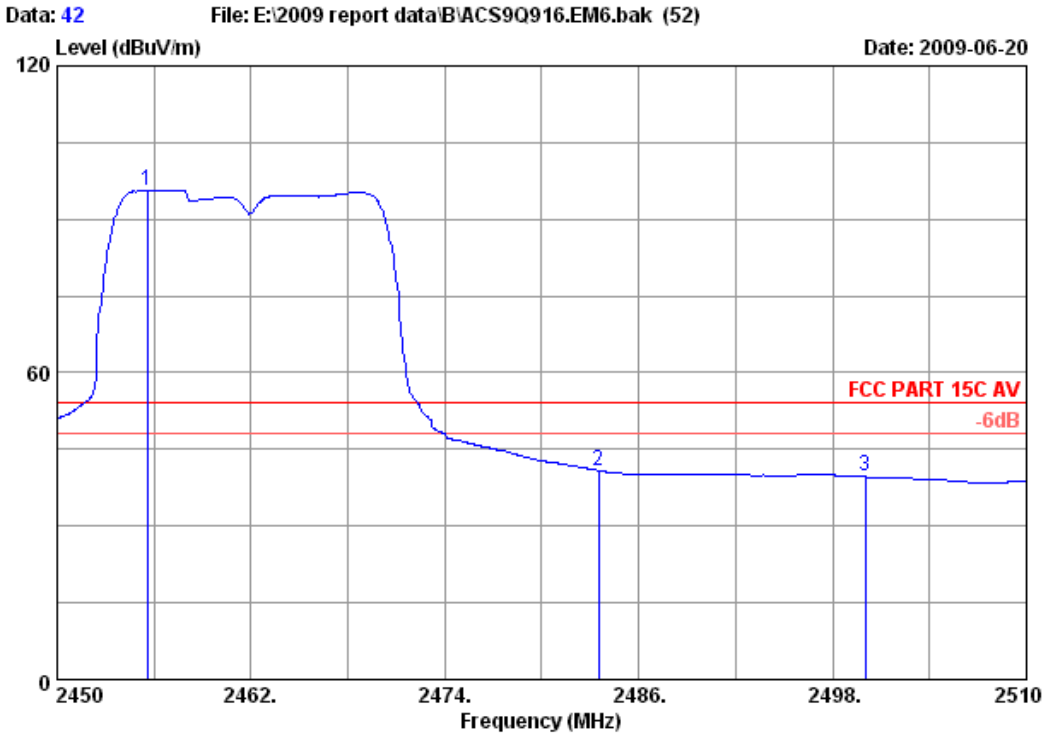

Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	2455.580	28.55	6.84	35.11	95.46	95.74	54.00	-41.74	Average
2	2483.500	28.58	6.87	35.10	40.52	40.87	54.00	13.13	Average
3	2500.000	28.60	6.91	35.10	39.23	39.64	54.00	14.36	Average

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.

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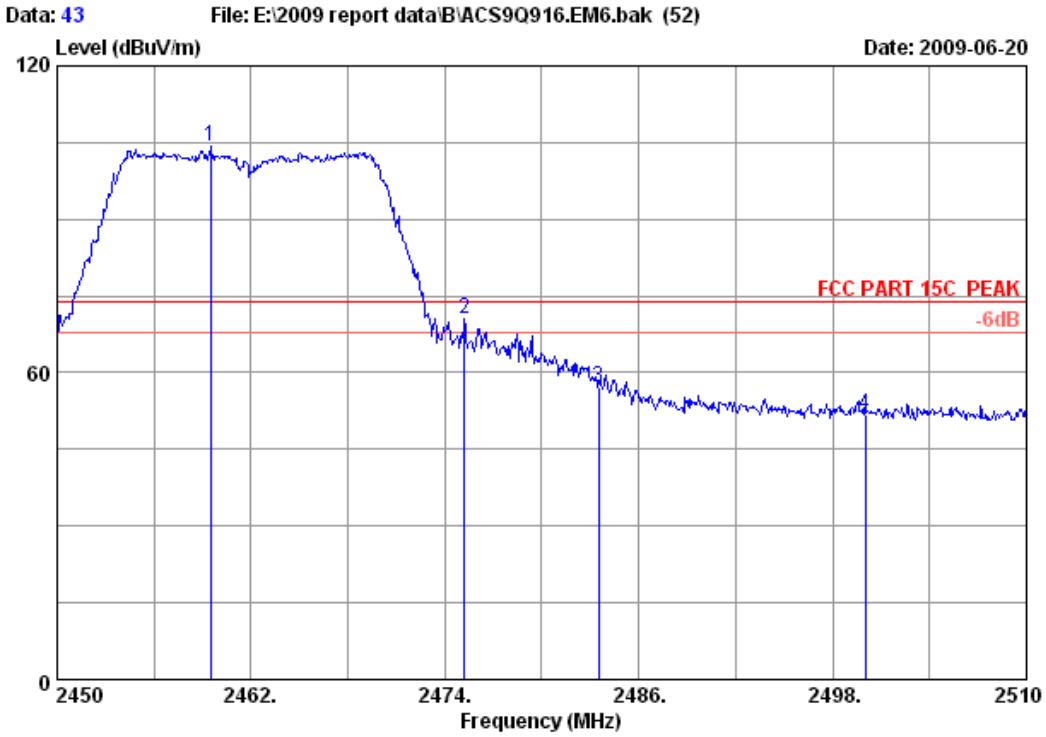
Postcode:518057



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	2459.480	28.55	6.84	35.11	104.05	104.33	74.00	-30.33	Peak
2	2475.200	28.58	6.87	35.10	70.26	70.61	74.00	3.39	Peak
3	2483.500	28.58	6.87	35.10	56.83	57.18	74.00	16.82	Peak
4	2500.000	28.60	6.91	35.10	51.41	51.82	74.00	22.18	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.

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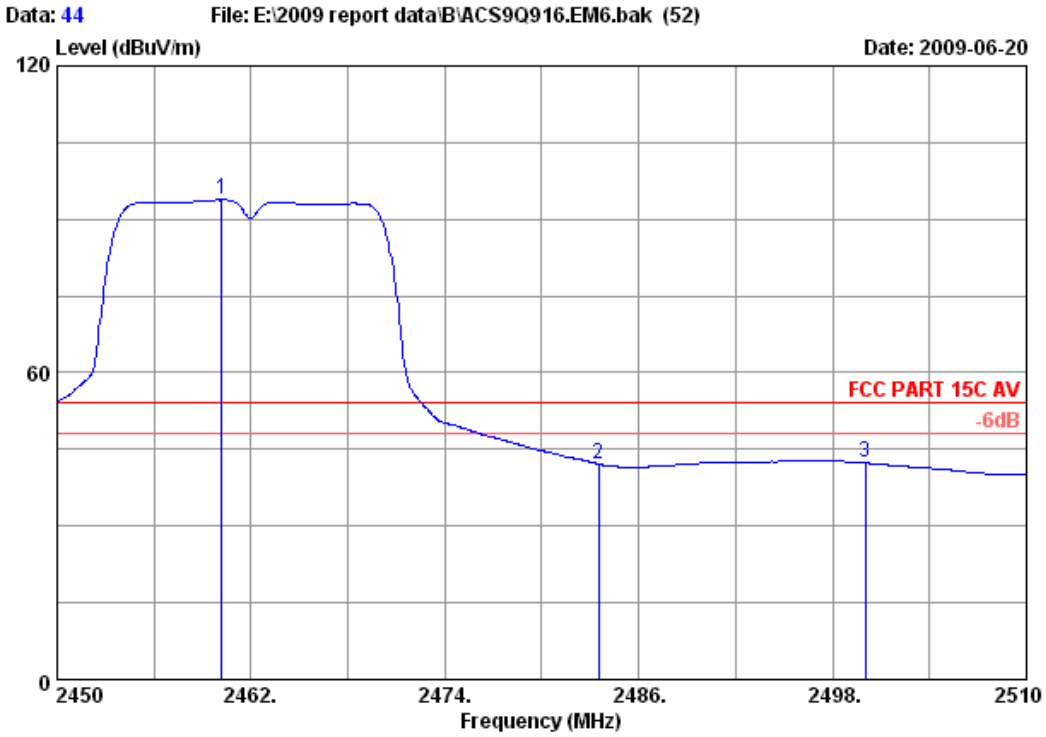

Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx ATO 2462MHz
M/N:RF-RBAUX

	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	2460.200	28.55	6.84	35.11	93.52	93.80	54.00	-39.80	Average
2	2483.500	28.58	6.87	35.10	41.83	42.18	54.00	11.82	Average
3	2500.000	28.60	6.91	35.10	41.89	42.30	54.00	11.70	Average

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.

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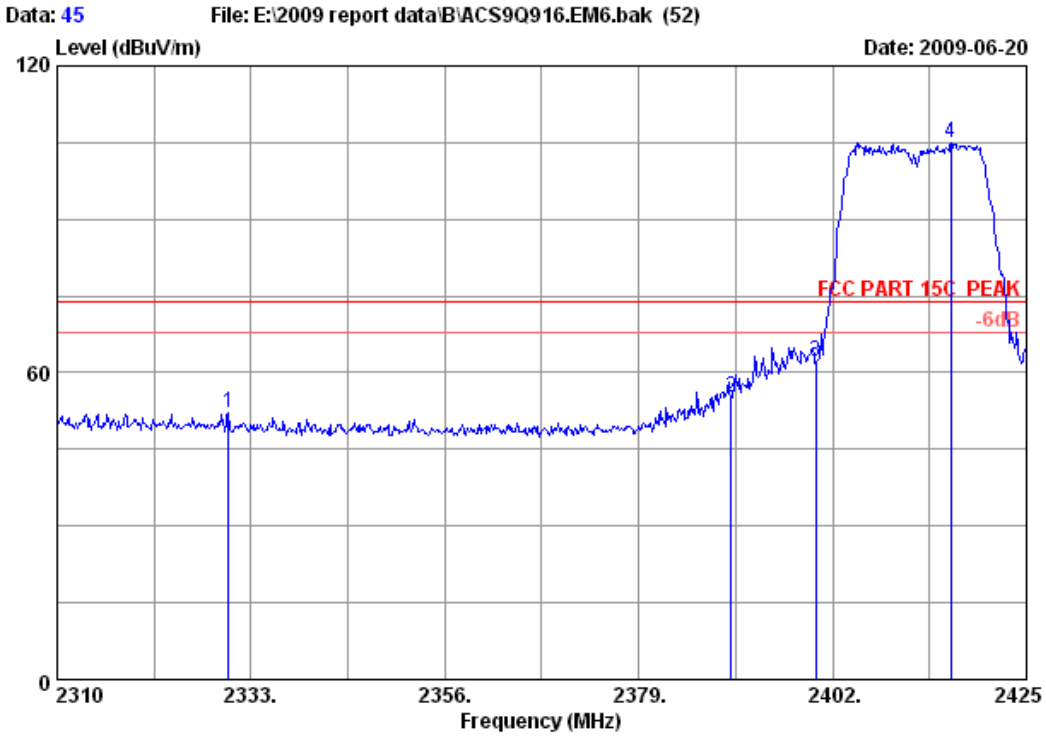

Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	2330.355	28.36	6.65	35.13	52.39	52.27	74.00	21.73	Peak
2	2390.000	28.46	6.71	35.12	54.97	55.02	74.00	18.98	Peak
3	2400.000	28.46	6.73	35.12	62.08	62.15	74.00	11.85	Peak
4	2416.030	28.48	6.77	35.11	104.84	104.98	74.00	-30.98	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.

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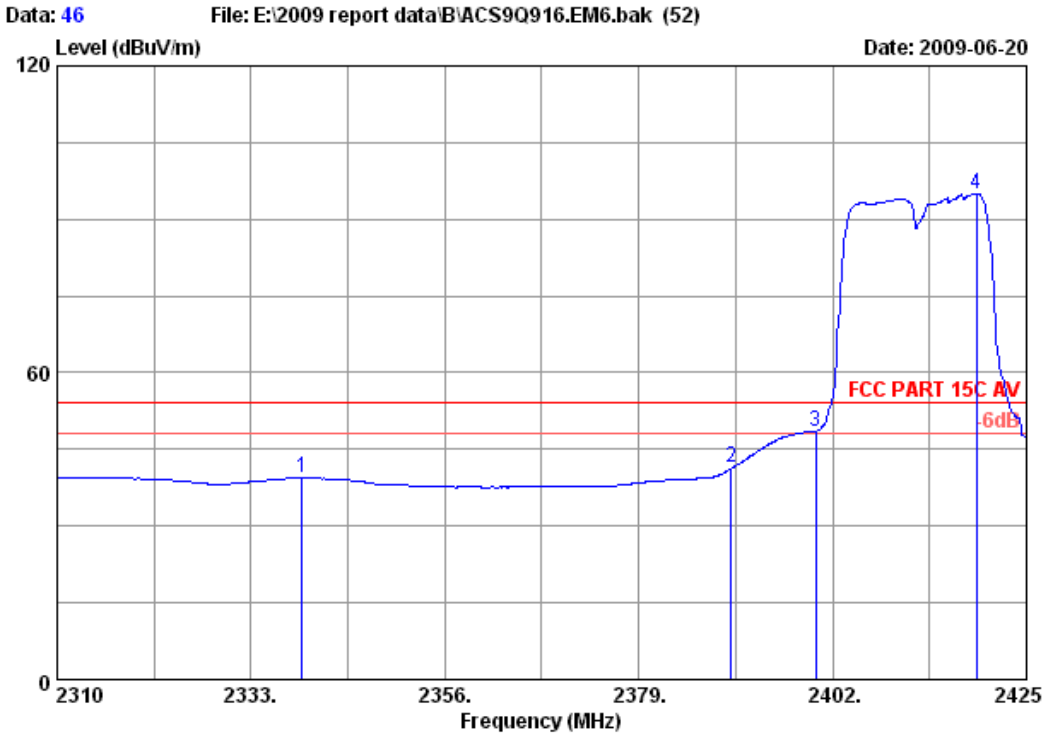
Postcode:518057



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	2339.095	28.38	6.67	35.13	39.45	39.37	54.00	14.63	Average
2	2390.000	28.46	6.71	35.12	41.25	41.30	54.00	12.70	Average
3	2400.000	28.46	6.73	35.12	48.53	48.60	54.00	5.40	Average
4	2419.020	28.48	6.77	35.11	94.86	95.00	54.00	-41.00	Average

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.

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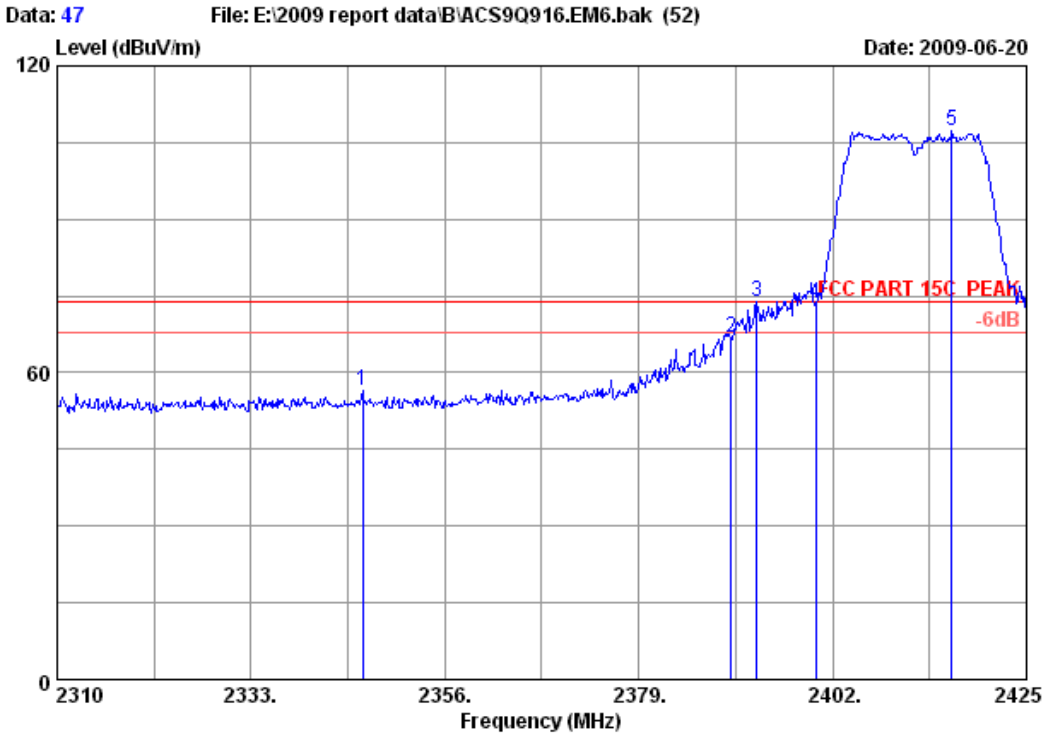
Postcode:518057



Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	2346.225	28.38	6.67	35.13	56.70	56.62	74.00	17.38	Peak
2	2390.000	28.46	6.71	35.12	66.64	66.69	74.00	7.31	Peak
3	2393.030	28.46	6.71	35.12	73.84	73.89	74.00	0.11	Peak
4	2400.000	28.46	6.73	35.12	73.57	73.64	74.00	0.36	Peak
5	2416.145	28.48	6.77	35.11	107.00	107.14	74.00	-33.14	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.

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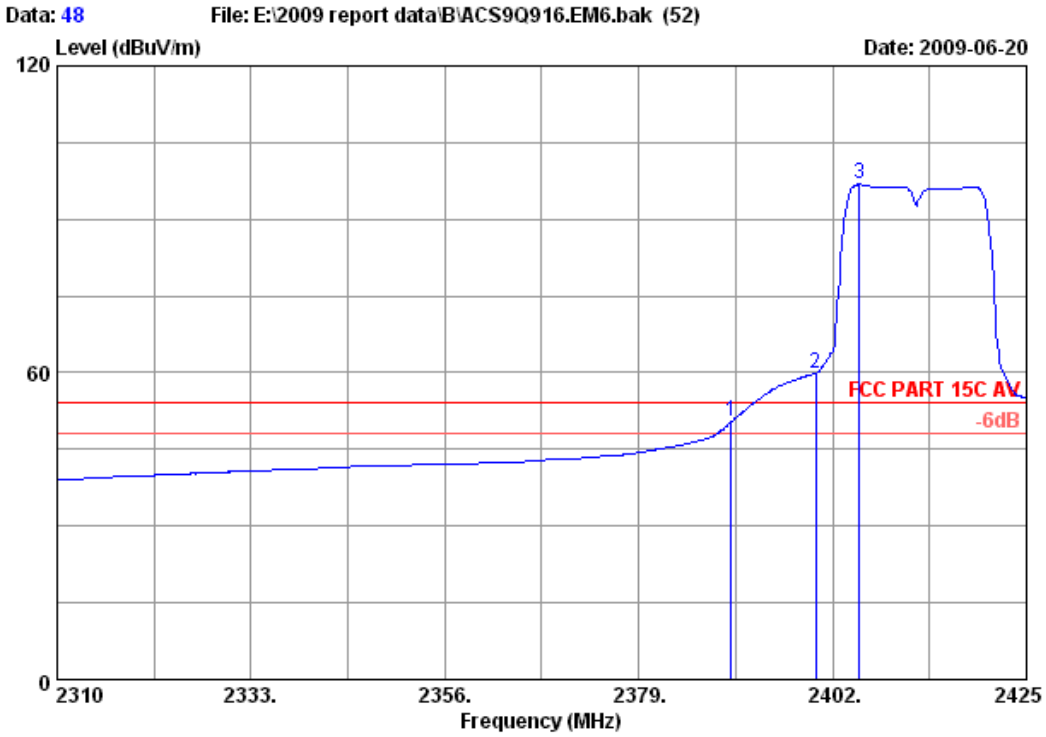
Postcode:518057



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2412MHz
M/N:RF-RBAUX

	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	2390.000	28.46	6.71	35.12	50.44	50.49	54.00	3.51	Average
2	2400.000	28.46	6.73	35.12	59.89	59.96	54.00	-5.96	Average
3	2405.220	28.48	6.73	35.12	96.71	96.80	54.00	-42.80	Average

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.

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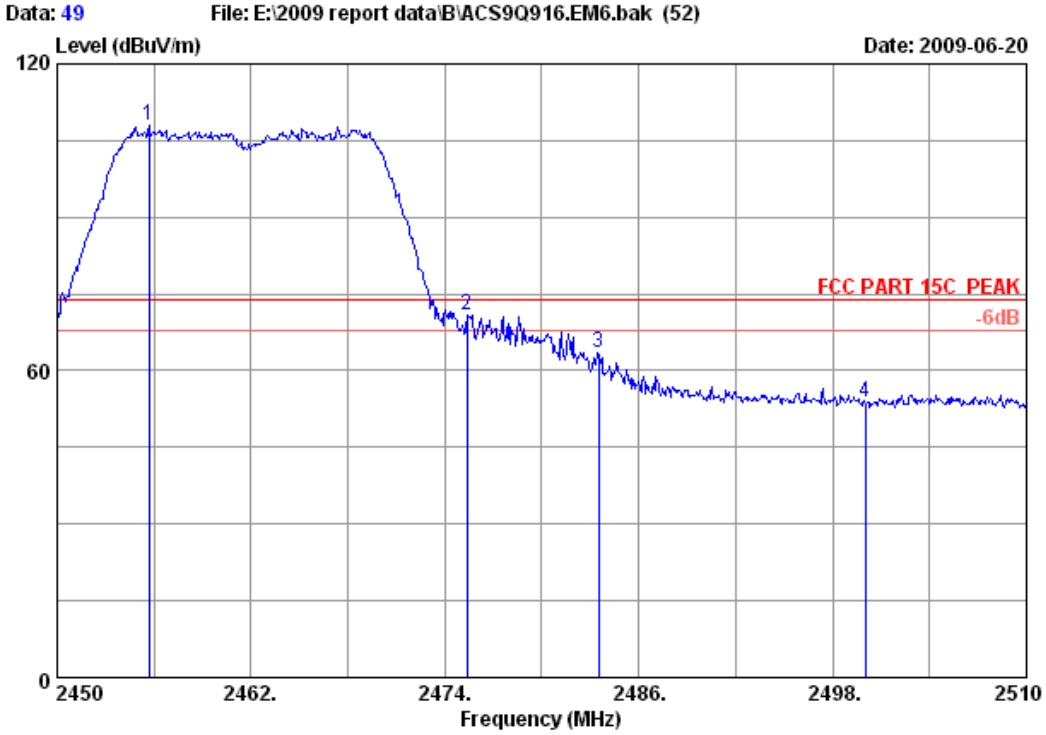

Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	2455.700	28.55	6.84	35.11	107.64	107.92	74.00	-33.92	Peak
2	2475.380	28.58	6.87	35.10	70.61	70.96	74.00	3.04	Peak
3	2483.500	28.58	6.87	35.10	63.14	63.49	74.00	10.51	Peak
4	2500.000	28.60	6.91	35.10	53.40	53.81	74.00	20.19	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.

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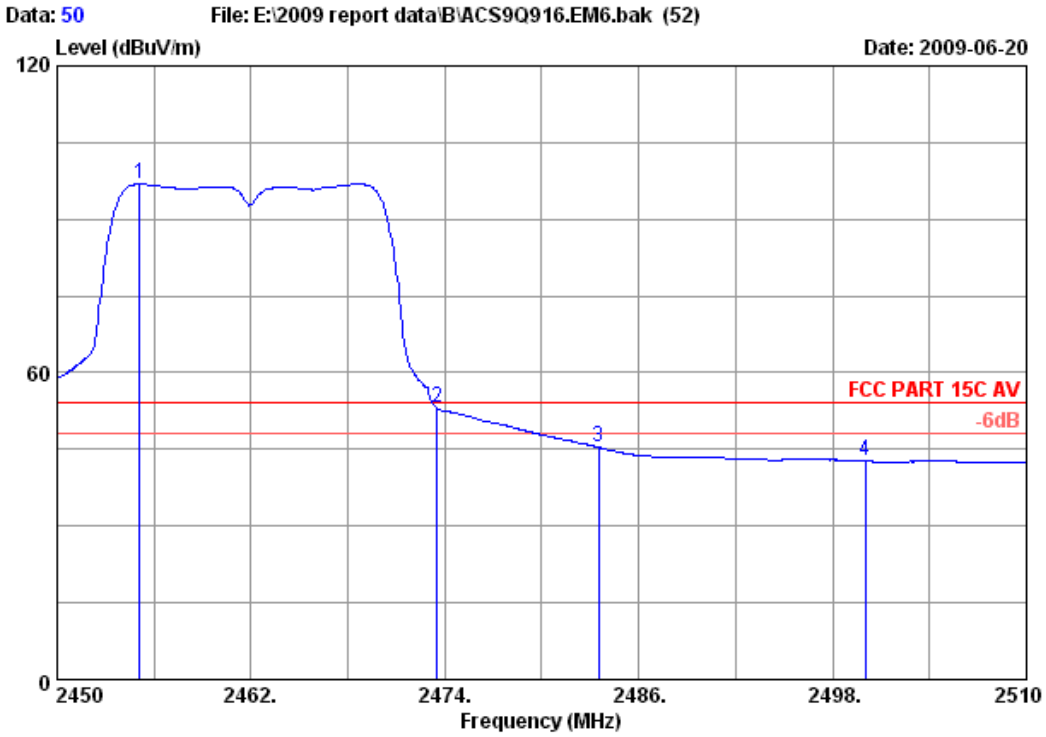
Postcode:518057



Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	2455.100	28.55	6.84	35.11	96.56	96.84	54.00	-42.84	Average
2	2473.520	28.58	6.87	35.10	52.75	53.10	54.00	0.90	Average
3	2483.500	28.58	6.87	35.10	45.02	45.37	54.00	8.63	Average
4	2500.000	28.60	6.91	35.10	42.25	42.66	54.00	11.34	Average

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.

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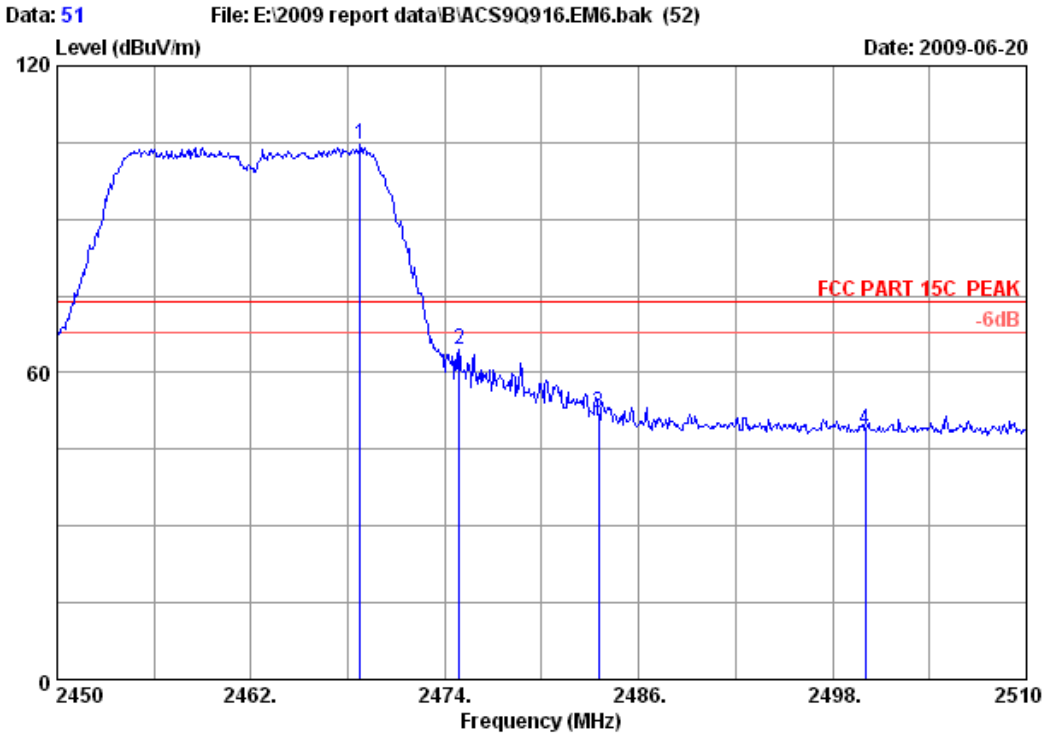
Postcode:518057



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	2468.780	28.55	6.84	35.10	104.27	104.56	74.00	-30.56	Peak
2	2474.900	28.58	6.87	35.10	64.33	64.68	74.00	9.32	Peak
3	2483.500	28.58	6.87	35.10	51.65	52.00	74.00	22.00	Peak
4	2500.000	28.60	6.91	35.10	48.46	48.87	74.00	25.13	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.

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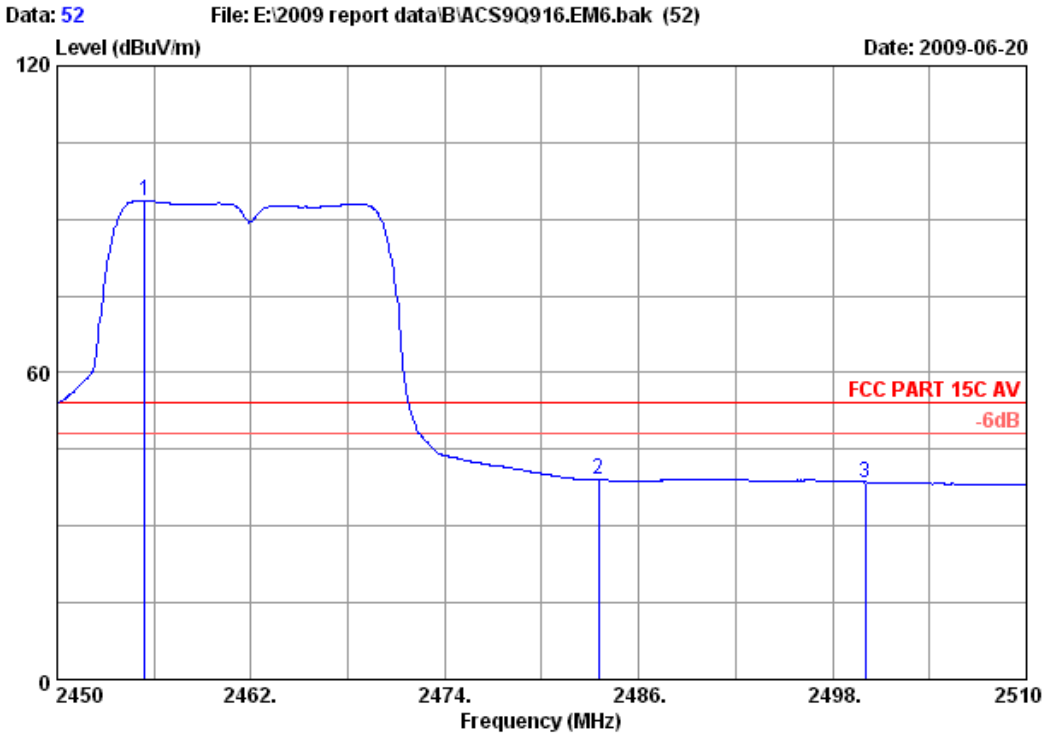
Postcode:518057



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer :Paul Tian
EUT : Wireless Sender / Receiver
Power : DC 5V From Adapter input 120V/60Hz
Test mode : Tx AT1 2462MHz
M/N:RF-RBAUX

	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	2455.400	28.55	6.84	35.11	93.37	93.65	54.00	-39.65	Average
2	2483.500	28.58	6.87	35.10	38.70	39.05	54.00	14.95	Average
3	2500.000	28.60	6.91	35.10	38.20	38.61	54.00	15.39	Average

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.

6. 6dB 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, 09	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,08, 09	1 Year
3	RF Cable	Hubersuhner	SUCOFLEX 102	28618/2	May,08, 09	1Year

6.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

6.3.Test Procedure

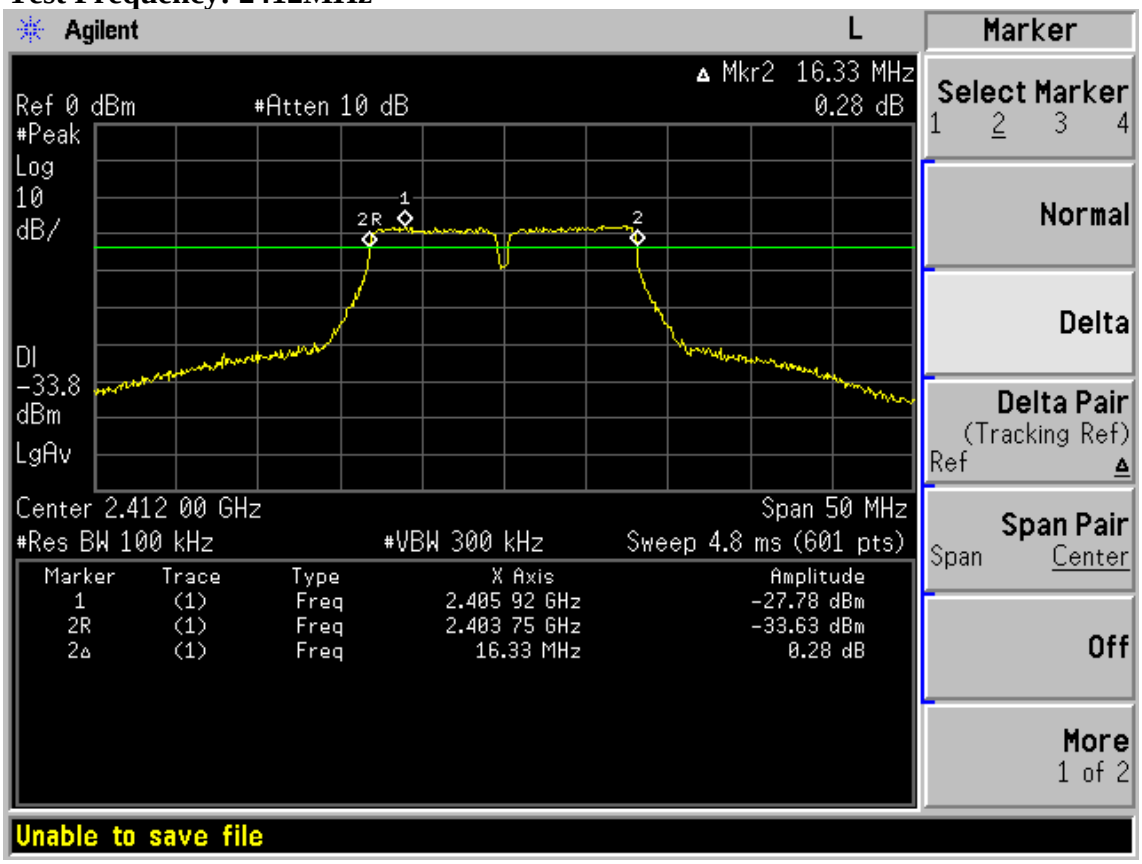
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

6.4.Test Results

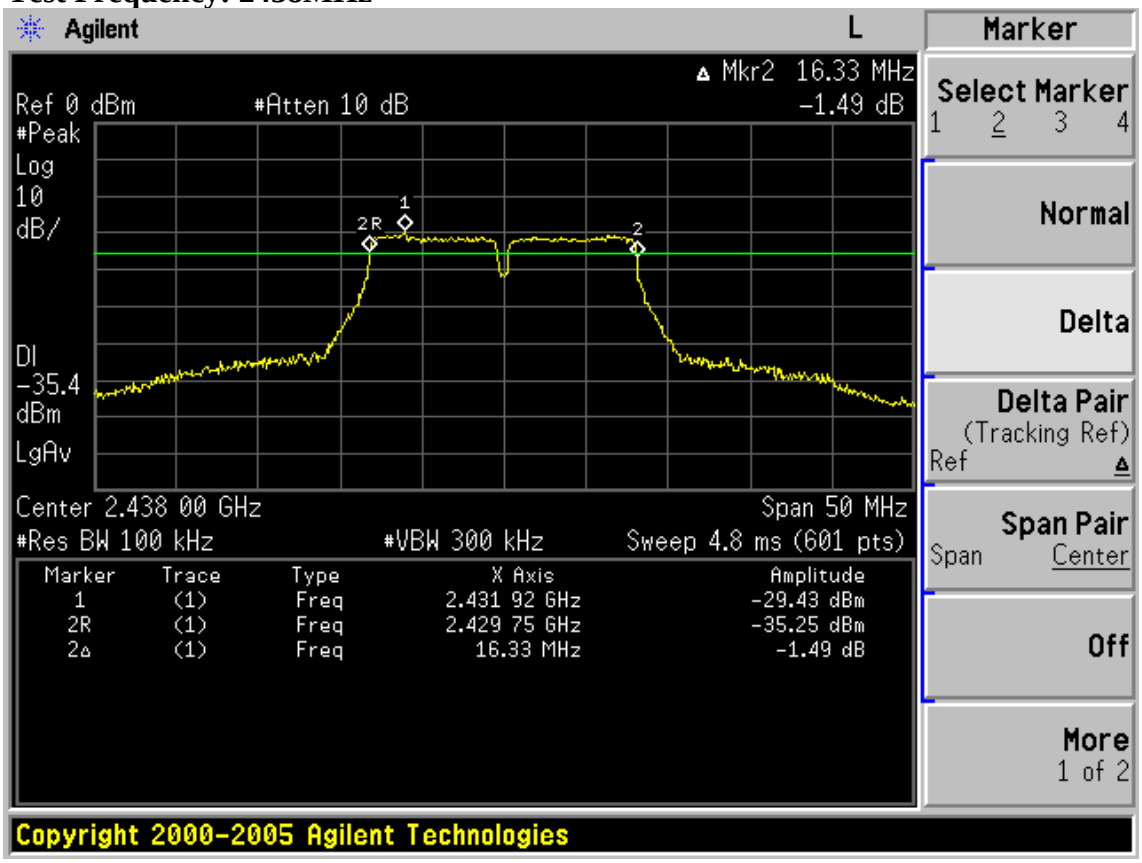
Antenna 0:			
CH	6dB Bandwidth (MHz)	Limit(KHz)	Conclusion
Low:2412MHz	16.33	>500	PASS
Mid:2438MHz	16.33	>500	PASS
High:2462MHz	16.33	>500	PASS
Antenna 1:			
CH	6dB Bandwidth (MHz)	Limit(KHz)	Conclusion
Low:2412MHz	16.33	>500	PASS
Mid:2438MHz	16.33	>500	PASS
High:2462MHz	16.33	>500	PASS

AT0:

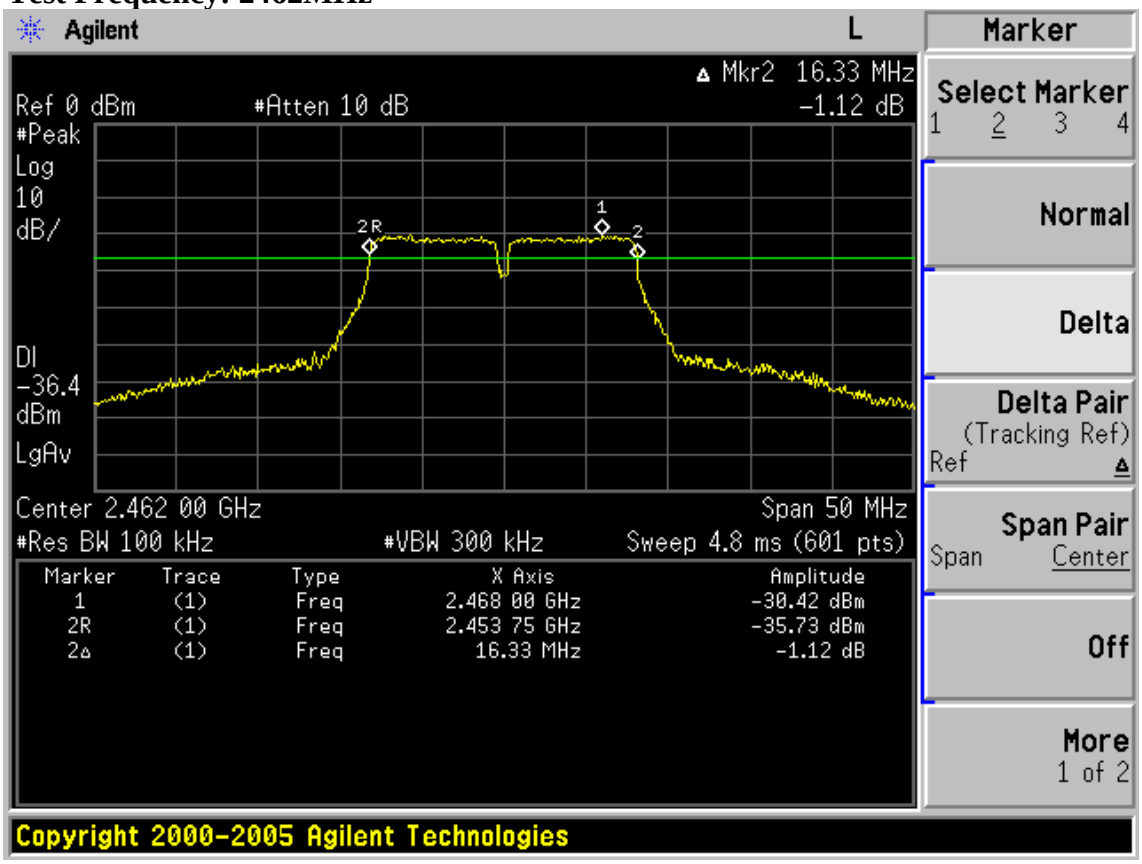
Test Frequency: 2412MHz



Test Frequency: 2438MHz

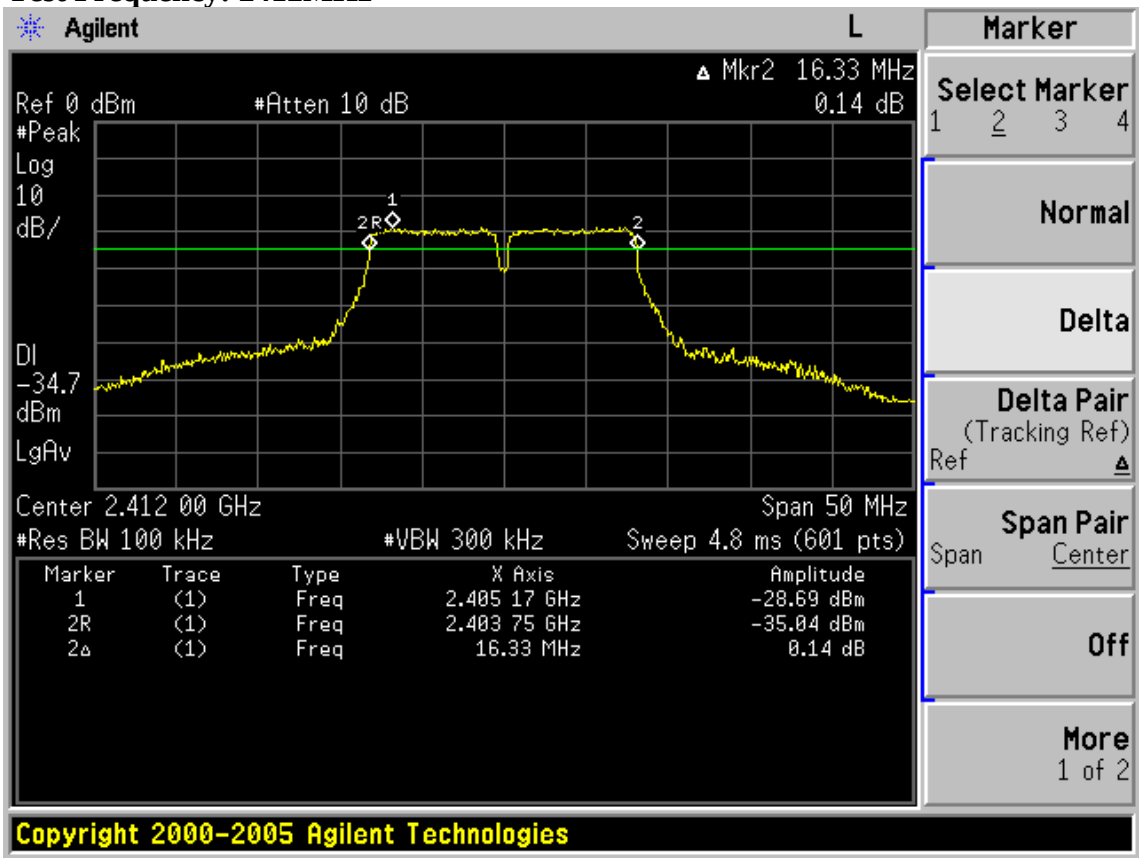


Test Frequency: 2462MHz

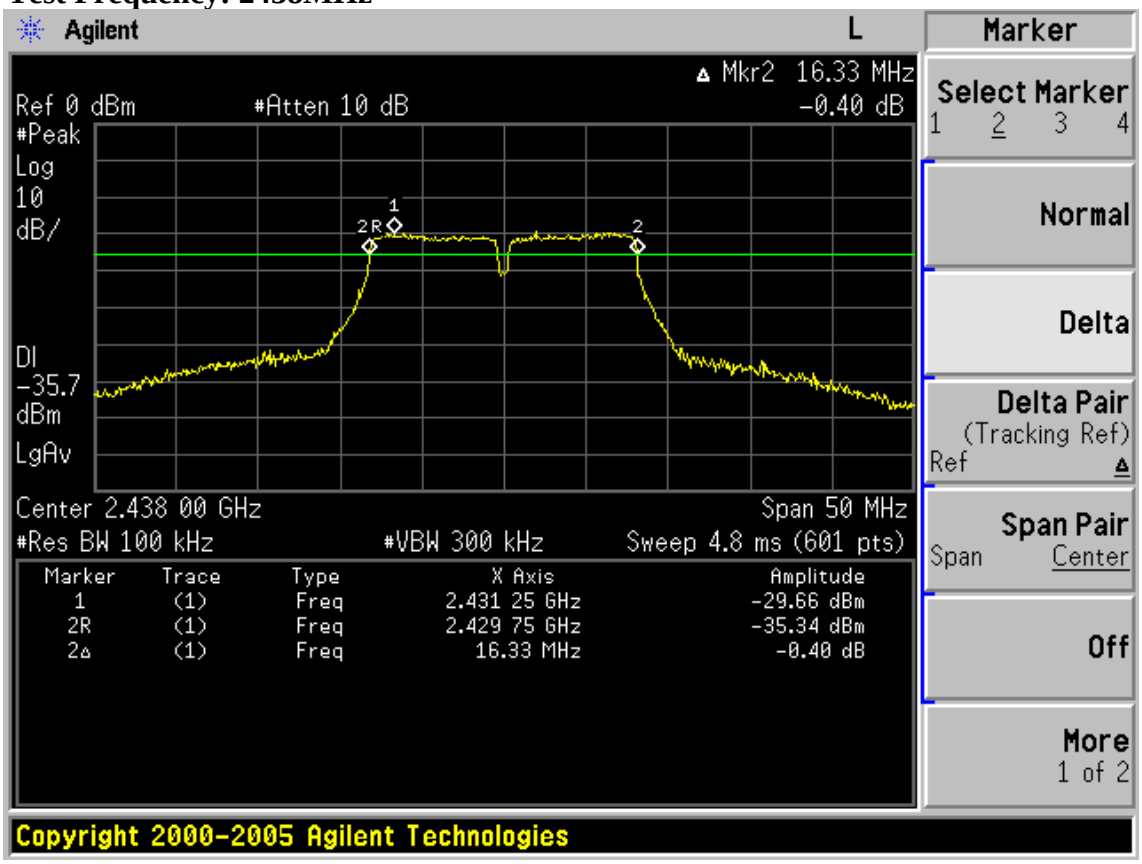


AT1:

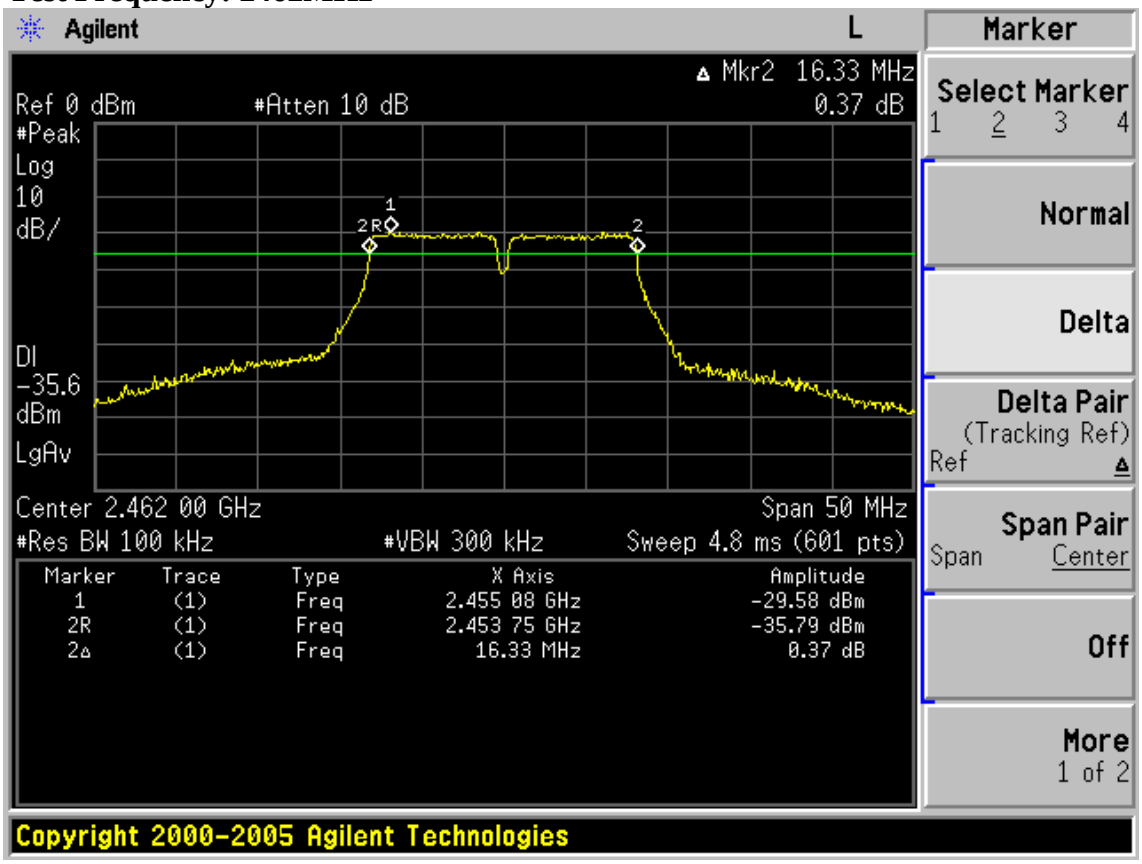
Test Frequency: 2412MHz



Test Frequency: 2438MHz



Test Frequency: 2462MHz



7. OUTPUT POWER TEST

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 09	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May,08, 09	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX 102	29091/2	May.08, 09	1 Year

7.2.Limit(FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

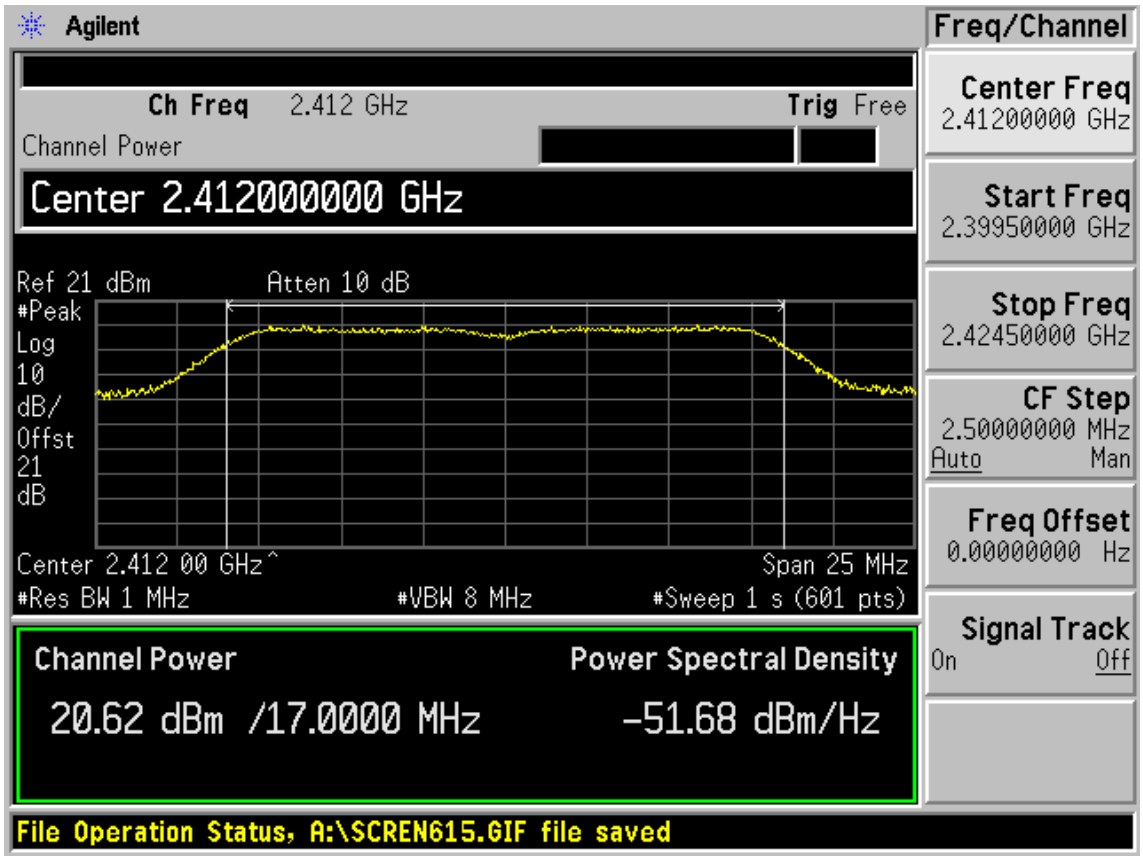
7.3.Test Procedure

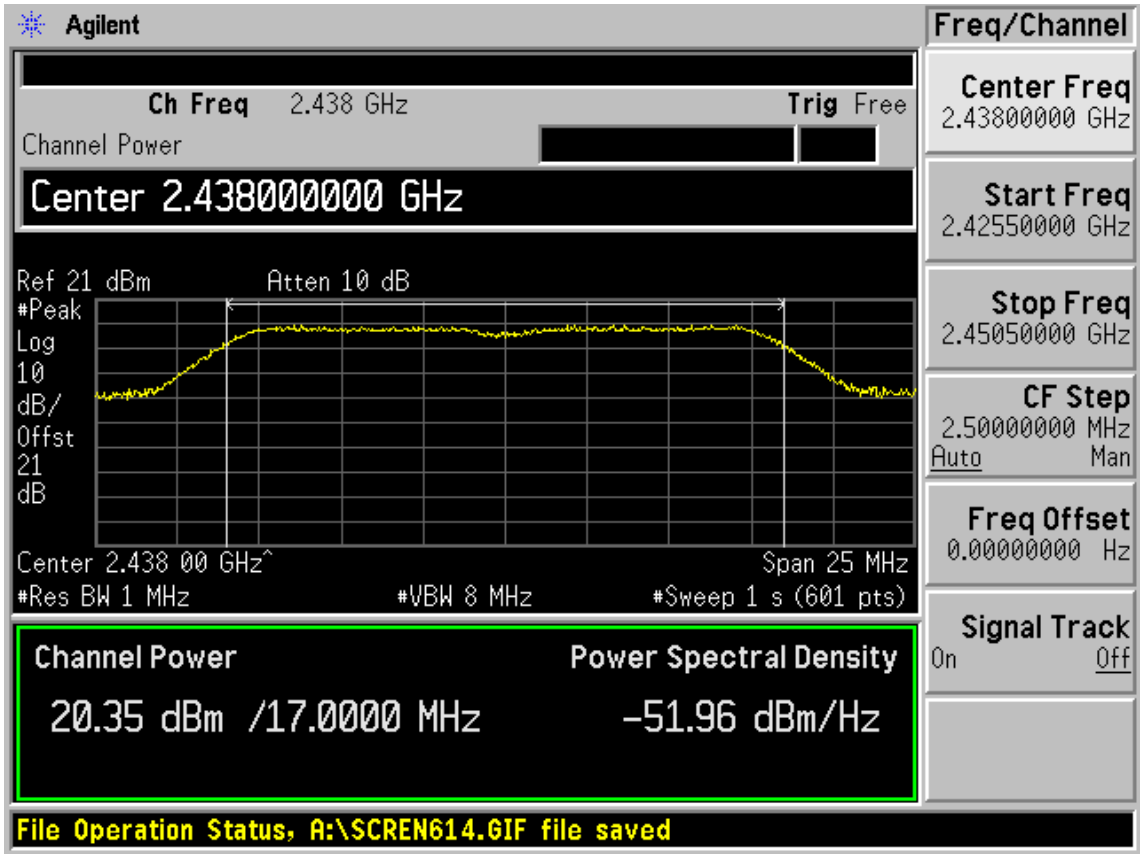
The transmitter output was connected to a spectrum analyzer by suitable attenuation, the channel power measure function of spectrum Analyzer was used to measure out the PK output power of device. According power output option 2, method #3 of KDB558074.2.

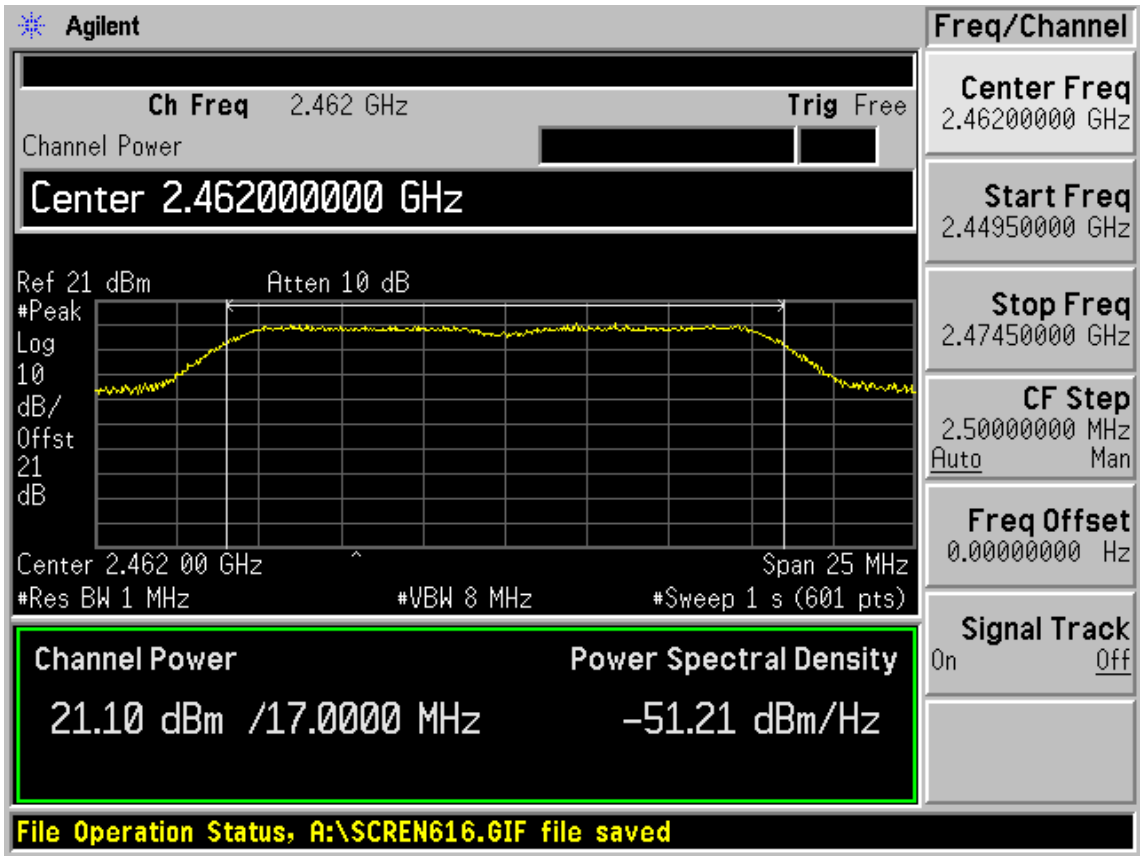
7.4.Test Results

EUT: Wireless Sender / Receiver M/N:RF-RBAUX				
Power: DC 5V From Adapter input AC 120V/60Hz				
Ambient Temperature:23℃		Relative Humidity: 60%		
Test date:2009/06/19		Test site: RF site	Tested by: Paul Tian	
Cable loss: 1dB Attenuator:20dB				
Antenna	Frequency (MHz)	Result (dBm)	Limit (dBm)	Conclusion
Antenna 0	2412	20.62	30.00	PASS
	2438	20.35	30.00	PASS
	2462	21.10	30.00	PASS
Antenna 1	2412	22.50	30.00	PASS
	2438	22.95	30.00	PASS
	2462	23.05	30.00	PASS

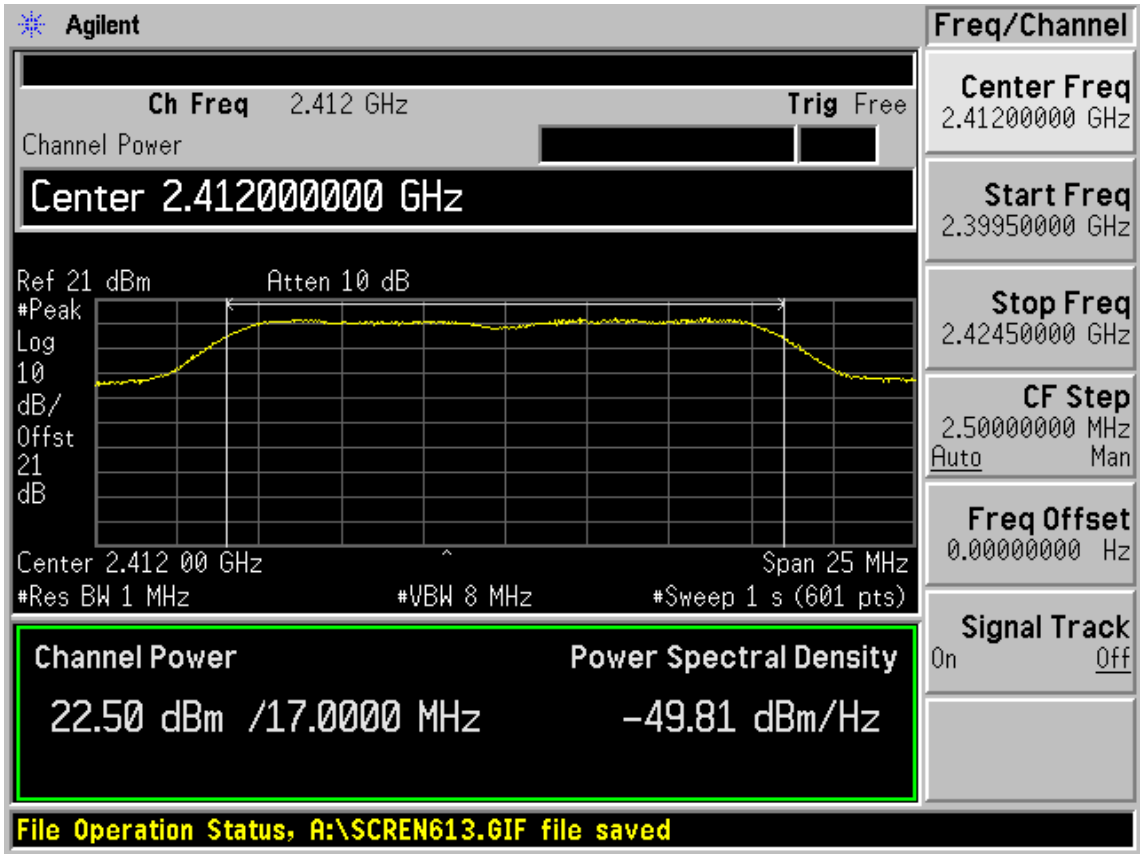
AT0:

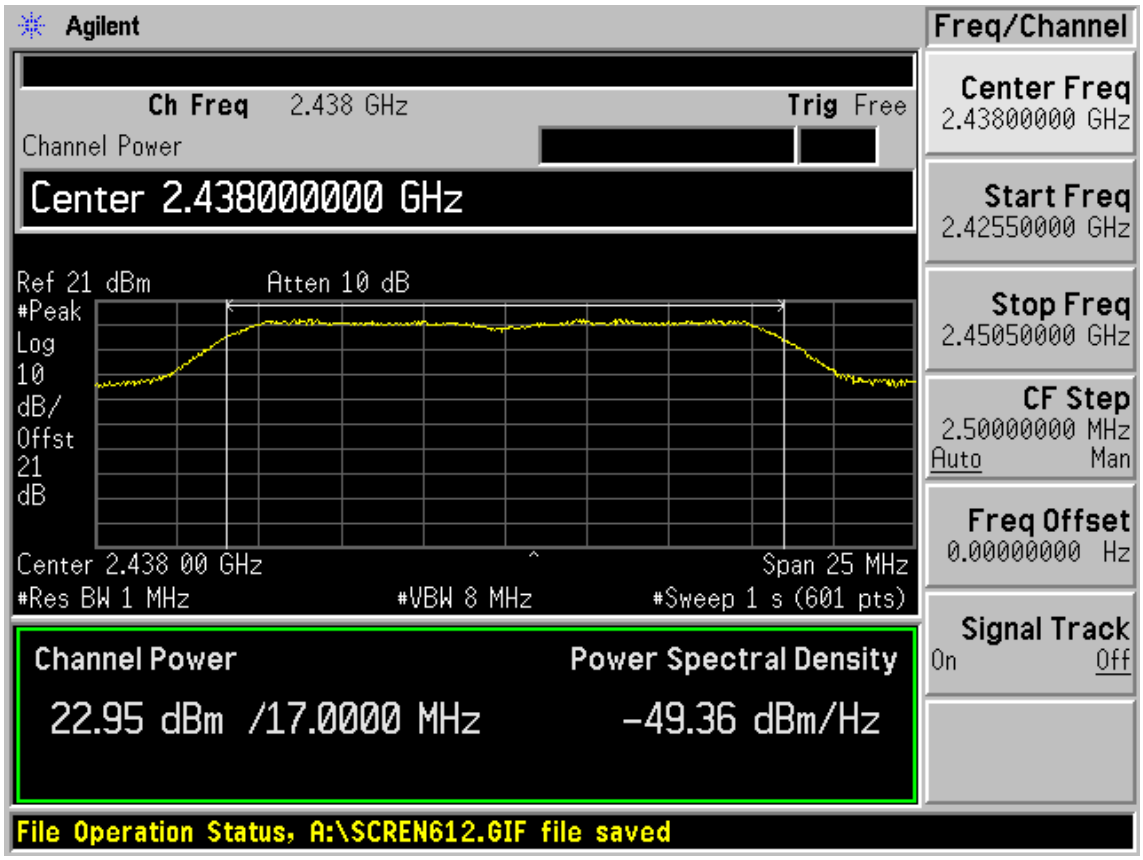

Agilent
Freq/Channel
Ch Freq 2.412 GHz
Trig Free
Channel Power
Center 2.412000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.412 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
20.62 dBm /17.0000 MHz
Power Spectral Density
-51.68 dBm/Hz
Center Freq
2.41200000 GHz
Start Freq
2.39950000 GHz
Stop Freq
2.42450000 GHz
CF Step
2.50000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
File Operation Status, A:\SCREN615.GIF file saved

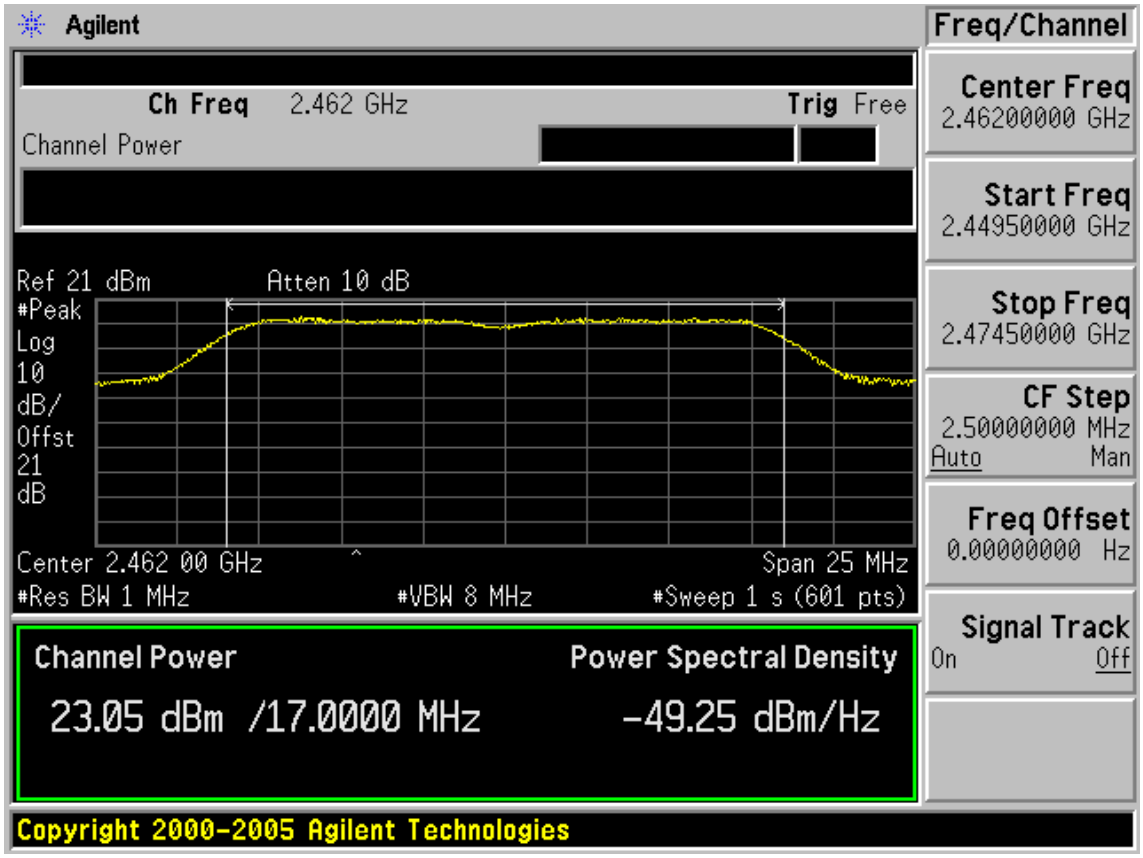

Agilent
Freq/Channel
Ch Freq 2.438 GHz
Trig Free
Channel Power
Center 2.438000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.438 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
20.35 dBm /17.0000 MHz
Power Spectral Density
-51.96 dBm/Hz
Center Freq
2.43800000 GHz
Start Freq
2.42550000 GHz
Stop Freq
2.45050000 GHz
CF Step
2.50000000 MHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
File Operation Status, A:\SCREN614.GIF file saved


Agilent
Freq/Channel
Ch Freq 2.462 GHz
Trig Free
Channel Power
Center 2.462000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.462 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
21.10 dBm /17.0000 MHz
Power Spectral Density
-51.21 dBm/Hz
Center Freq
2.46200000 GHz
Start Freq
2.44950000 GHz
Stop Freq
2.47450000 GHz
CF Step
2.50000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
File Operation Status, A:\SCREN616.GIF file saved

AT1:


Agilent
Freq/Channel
Ch Freq 2.412 GHz
Trig Free
Channel Power
Center 2.412000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.412 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
22.50 dBm /17.0000 MHz
Power Spectral Density
-49.81 dBm/Hz
Center Freq
2.41200000 GHz
Start Freq
2.39950000 GHz
Stop Freq
2.42450000 GHz
CF Step
2.50000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
File Operation Status, A:\SCREN613.GIF file saved


Agilent
Freq/Channel
Ch Freq 2.438 GHz
Trig Free
Channel Power
Center 2.438000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.438 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
22.95 dBm /17.0000 MHz
Power Spectral Density
-49.36 dBm/Hz
Center Freq
2.43800000 GHz
Start Freq
2.42550000 GHz
Stop Freq
2.45050000 GHz
CF Step
2.50000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
File Operation Status, A:\SCREN612.GIF file saved


Agilent
Freq/Channel
Ch Freq 2.462 GHz
Trig Free
Channel Power
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.462 00 GHz
Span 25 MHz
#Res BW 1 MHz
#VBW 8 MHz
#Sweep 1 s (601 pts)
Channel Power
23.05 dBm /17.0000 MHz
Power Spectral Density
-49.25 dBm/Hz
Center Freq
2.46200000 GHz
Start Freq
2.44950000 GHz
Stop Freq
2.47450000 GHz
CF Step
2.50000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
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8. POWER SPECTRAL DENSITY TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,08, 09	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,08, 09	1 Year
3	RF Cable	Hubersuhner	SUCOFLEX 102	28618/2	May,08, 09	1Year

8.2.Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

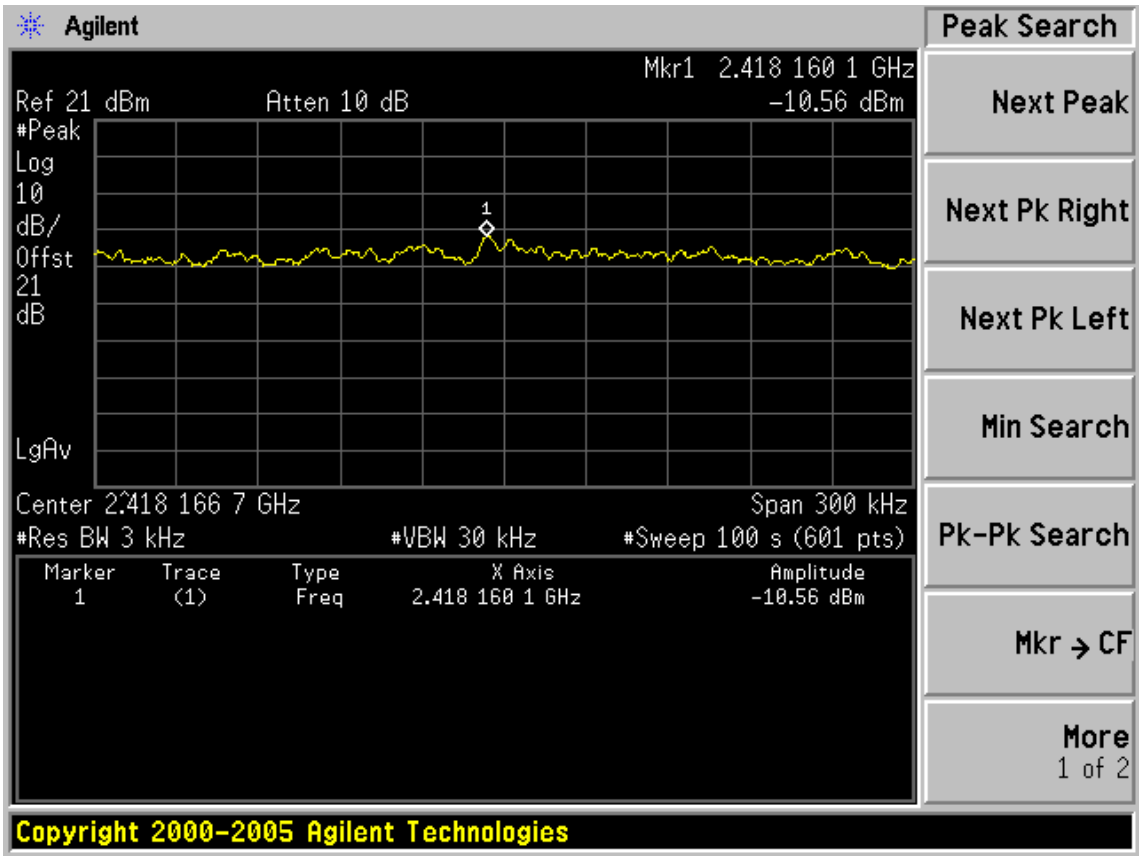
8.3.Test Procedure

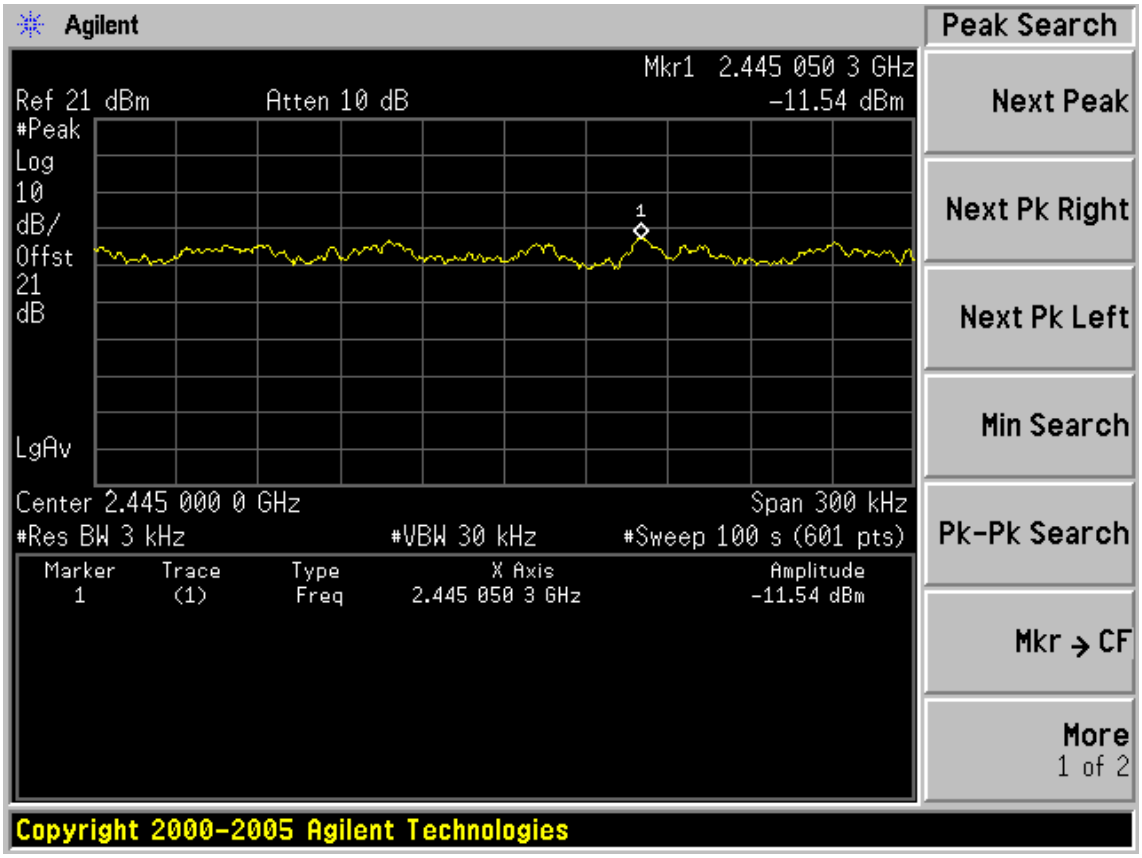
The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 3kHz RBW and 30kHz VBW, sweep time=span/3kHz according PSD option 1 of KDB 558074.

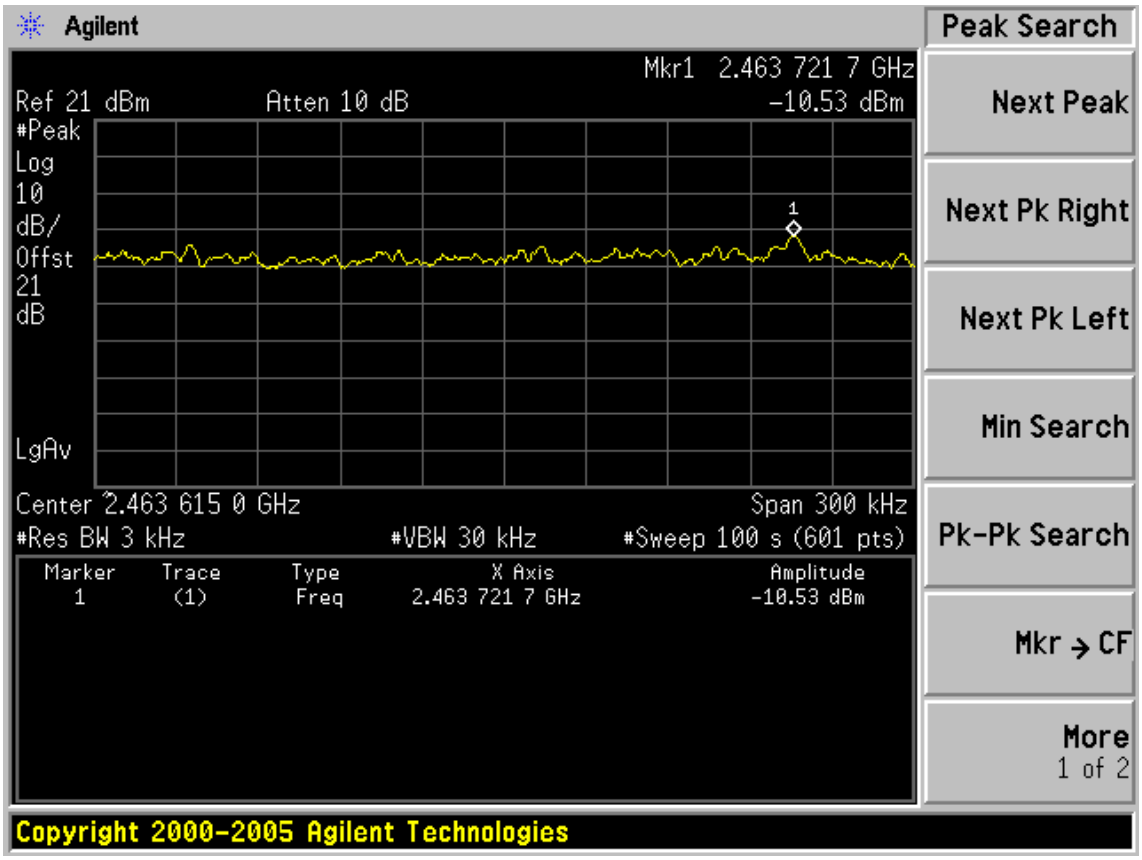
8.4.Test Results

EUT: Wireless Sender / Receiver M/N:RF-RBAUX				
Power: DC 5V From Adapter input AC 120V/60Hz				
Ambient Temperature:23℃	Relative Humidity: 60%			
Test date:2009/06/19	Test site: RF site	Tested By: Paul Tian		
Cable loss: 1dB Attenuator:20dB				
Antenna	Frequency (MHZ)	Result (dBm)	Limit(dBm)	Conclusion
Antenna 0	2412	-10.56	8.00	**Pass**
	2438	-11.54	8.00	**Pass**
	2462	-10.53	8.00	**Pass**
Antenna 1	2412	-9.14	8.00	**Pass**
	2438	-8.82	8.00	**Pass**
	2462	-11.49	8.00	**Pass**

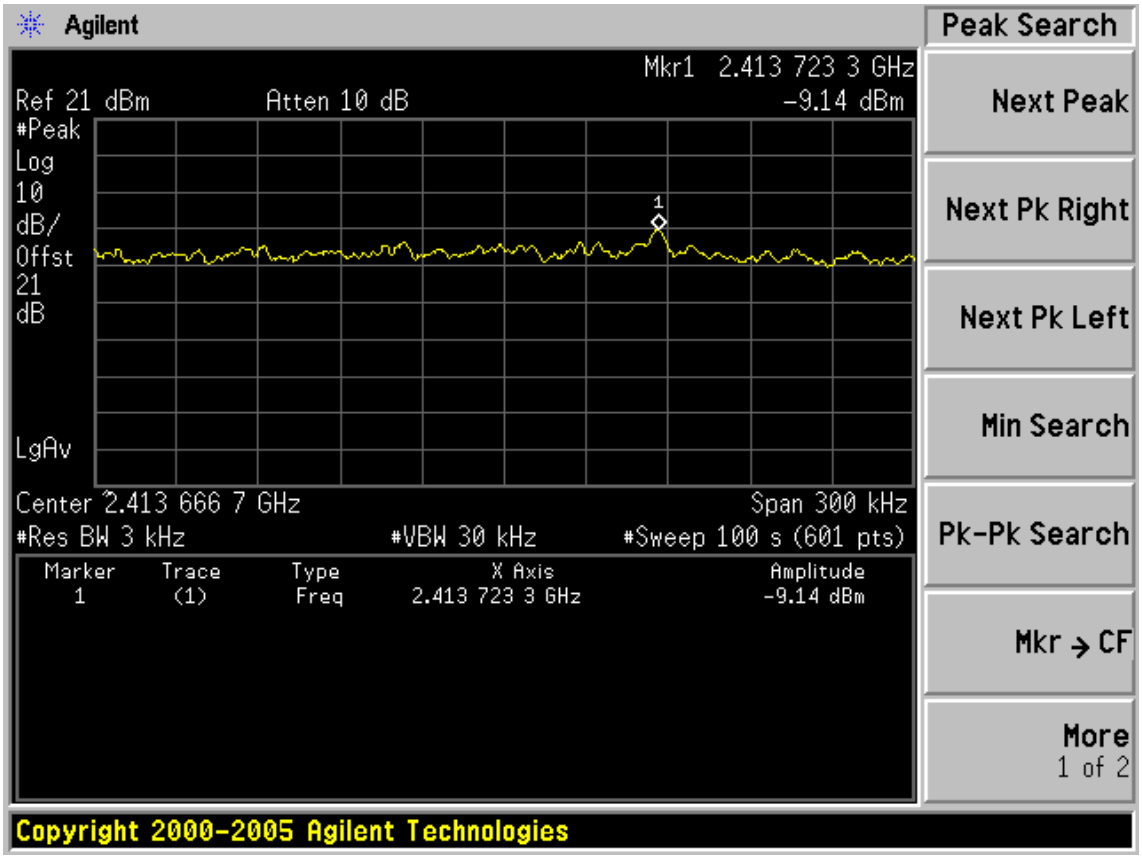
AT0:

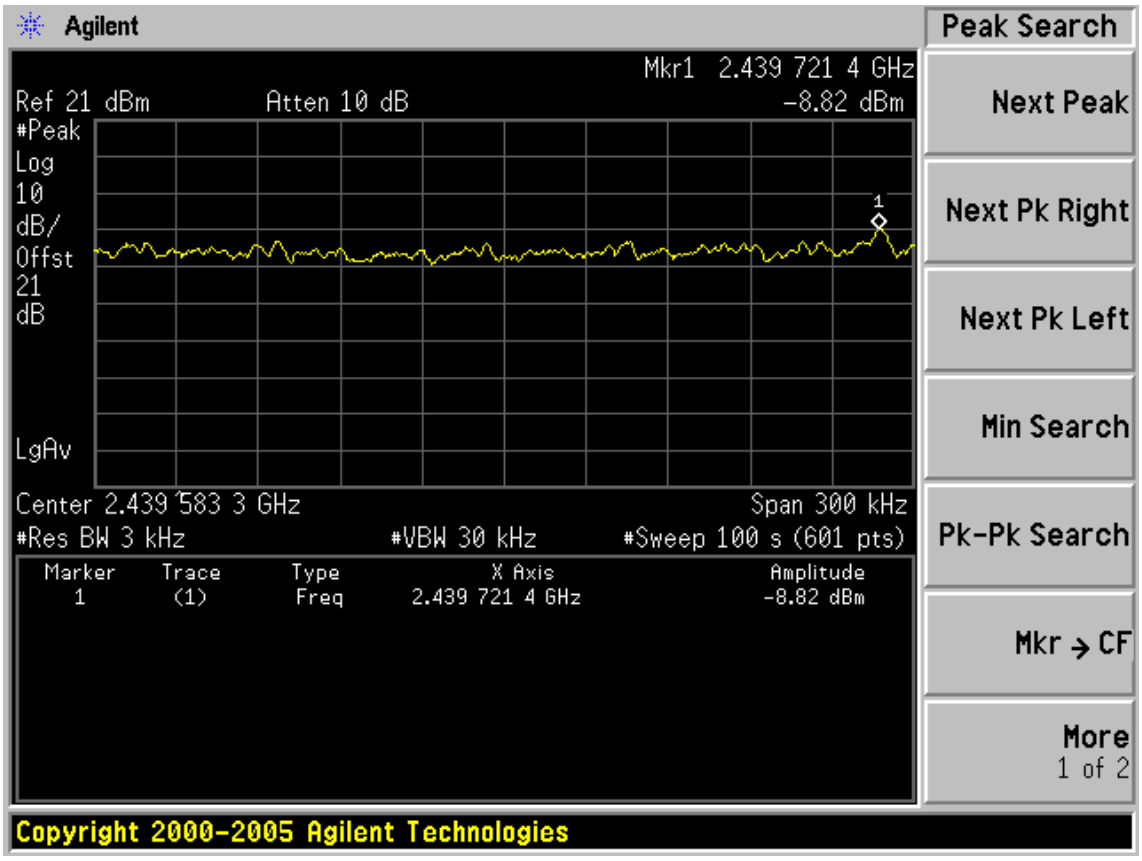

Agilent
Peak Search
Mkr1 2.418 160 1 GHz
Ref 21 dBm
Atten 10 dB
-10.56 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Center 2.418 166 7 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.418 160 1 GHz -10.56 dBm
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies

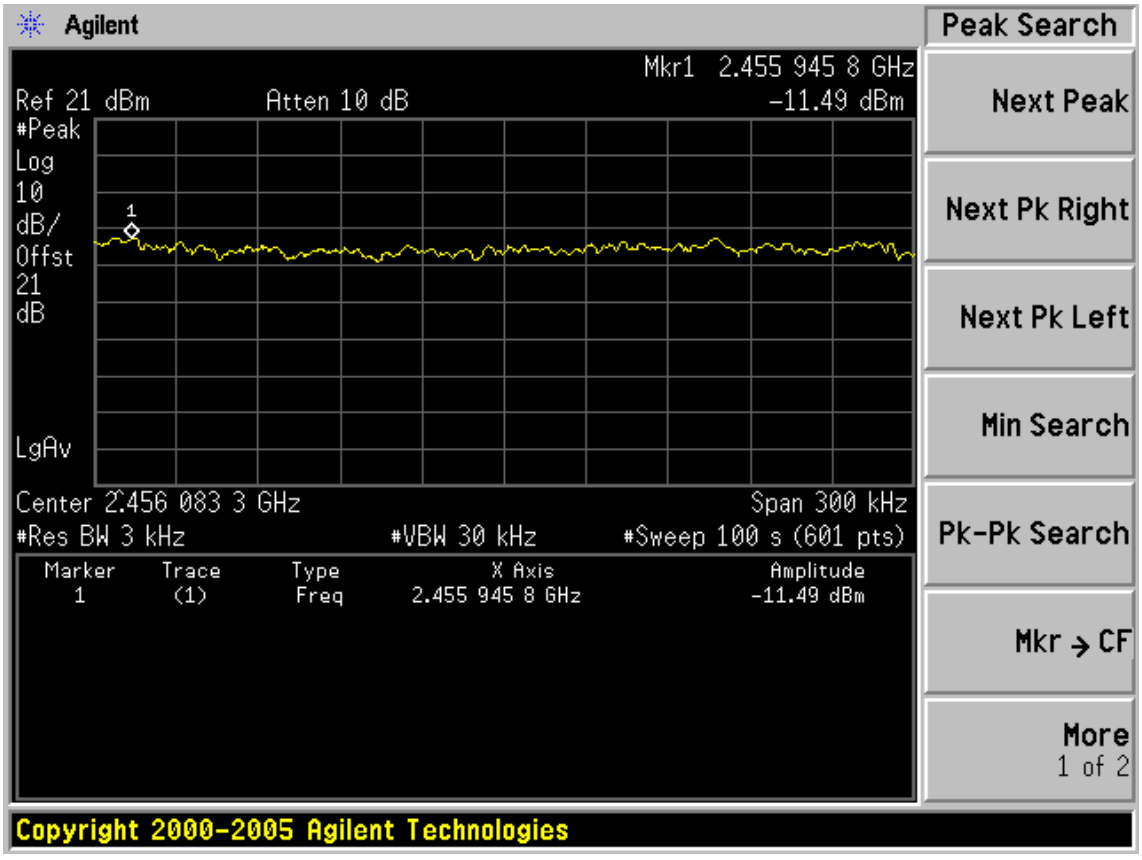

Agilent
Peak Search
Mkr1 2.445 050 3 GHz
Ref 21 dBm
Atten 10 dB
-11.54 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Center 2.445 000 0 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.445 050 3 GHz -11.54 dBm
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 2.463 721 7 GHz
Ref 21 dBm
Atten 10 dB
-10.53 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.463 615 0 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 721 7 GHz -10.53 dBm
Copyright 2000-2005 Agilent Technologies

AT1:


Agilent
Peak Search
Mkr1 2.413 723 3 GHz
Ref 21 dBm
Atten 10 dB
-9.14 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.413 666 7 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.413 723 3 GHz -9.14 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 2.439 721 4 GHz
Ref 21 dBm
Atten 10 dB
-8.82 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.439 583 3 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.439 721 4 GHz -8.82 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 2.455 945 8 GHz
Ref 21 dBm
Atten 10 dB
-11.49 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.456 083 3 GHz
Span 300 kHz
#Res BW 3 kHz
#VBW 30 kHz
#Sweep 100 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.455 945 8 GHz -11.49 dBm
Copyright 2000-2005 Agilent Technologies

9. ANTENNA REQUIREMENT

9.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.2 ANTENNA CONNECTED CONSTRUCTION

The antenna used for this product is two undetachable Dipole antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of this antenna is only 2.15dBi.

10.MPE ESTIMATION

10.1.Limit for General Population / Uncontrolled Exposures

Frequency	Power density (mW/cm²)	Averaging time (minutes)
300MHz~1.5GHz	F/1500	30
1.5GHz~100GHz	1.0	30

Note: F = Frequency in MHz

10.2.Estimation Result

Antenna	CH	PK Output power (dBm)	PK Output power (mW)	Antenna Gain (dBi)	Antenna Gain (linear)	MPE
Ant 0	Low	20.62	115.35	2.15	1.64	0.0377
	Mid	20.35	108.39	2.15	1.64	0.0354
	High	21.1	128.82	2.15	1.64	0.0421
Ant 1	Low	22.5	177.83	2.15	1.64	0.0581
	Mid	22.95	197.24	2.15	1.64	0.0644
	High	23.05	201.84	2.15	1.64	0.0659

11.DEVIATION TO TEST SPECIFICATIONS

[NONE]