

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Philips Electronics Hong Kong Ltd.

GoGear Connect, WiFi MP3 Player

Model Number	Brand Name
SA3CNTxyz/**	PHILIPS

Test Model: SA3CNT32K/37, SA3CNT32S/37
SA3CNT32K/17, SA3CNT32S/17
FCC ID: BOUSA3CNT32K

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Report Number : ACS-F11203
Date of Test : Aug.03~Sep.16, 2011
Date of Report : Sep.16, 2011

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	2-3
2.3. EUT Configuration and operation conditions for test.....	2-3
2.4. Test Facility	2-4
2.5. Measurement Uncertainty (95% confidence levels, k=2)	2-5
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.....	4-1
4.3. Radiated Emission Limit Standard: FCC 15.209	4-2
4.4. EUT Configuration on Test.....	4-2
4.5. Operating Condition of EUT.....	4-3
4.6. Test Procedure.....	4-3
4.7. Radiated Emission Test Results	4-3
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	10-1
10.1.	Test Equipment	10-1
10.2.	Limit.....	10-1
10.3.	Test Procedure.....	10-1
10.4.	Test Results	10-2
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



Reg. No.: DAT-P-091/99-01

TEST REPORT CERTIFICATION

Applicant : Philips Electronics Hong Kong Ltd.
 Manufacturer : Keen High Technologies Ltd.
 EUT Description : GoGear Connect, WiFi MP3 Player
 FCC ID : BOUSA3CNT32K

(A) Model No. :	Model Number	Brand Name
& Brand Name	SA3CNTxxyz/**	PHILIPS

(B) Test Model : SA3CNT32K/37, SA3CNT32S/37
 SA3CNT32K/17, SA3CNT32S/17

(C) Power Supply : DC5V From PC Input

(D) Test Voltage : DC 5V From PC 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 : Aug.03~ Sep.16, 2011 Report of date: Sep.16, 2011

Prepared by : Blove Ye
 Blove Ye/ Assistant

Reviewed by: Sunny Lu
 Sunny Lu / Supervisor
 Audix Technology (Shenzhen) Co., Ltd.
 EMC 部門報告專用章
 Stamp only for EMC Dept. Report
 Signature: Ken Lu

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 C63.10 :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 : GoGear Connect, WiFi MP3 Player

Model Number :	Model Number	Brand Name
	SA3CNT _{xyz} / _{**}	PHILIPS

Test Model : SA3CNT32K/37, SA3CNT32S/37
 SA3CNT32K/17, SA3CNT32S/17
 The EUT have four main model numbers, The between difference is colour only, all the other things are the same like PCB layout, circuit and RF module.

GoGear “Connect”, WiFi MP3 Player with model SA3CNT_{xyz}/_{**} consist of the various stroke versions which are identical in electrical, mechanical and physical construction. The last two charters ”y” and ”z” representative of the following differences. The ”y” denoted can be A-W consist of the different cabinet colour only. The ”z” denoted can be A-X or blank consist of the various accessories by-packed and/or packaging used. Stroke number representative of the country of destination are differences /_{**}

- /07 denoted sales for Cabada only. Ordinary product packaging in D-box type.
- /17 denote sales for U.S.A only. Ordinary product packaging in D-box type.
- /37 denote sales for U.S.A and Canada. Ordinary product packaging in D-box type.

Memory Size	8GB :	SA3CNT _{xyz} / _{**} , “xx” denoted the flash memory size as 8GB.
Memory Size	16GB :	SA3CNT _{xyz} / _{**} , “xx” denoted the flash memory size as 16GB.
Memory Size	32GB:	SA3CNT _{xyz} / _{**} , “xx” denoted the flash memory size as 32GB.

FCC ID : BOUSA3CNT32K
 Operation frequency : 2412MHz~2472MHz
 Antenna : IFA, 1.5dBi PK gain
 Modulation : GFSK, $\pi/4$ DQPSK, 8-DPSK

Power Supply : DC 5V From PC Input, AC 120V/60Hz
(Note: Batteries were full charged for all the test.)

Applicant : Philips Electronics Hong Kong Ltd.
5/F.,Philips Electronics Building No.5 Science Park East Avenue,
Hong Kong Science Park, Shatin, New Territories, Hong Kong

Manufacturer : Keen High Technologies Ltd.
Ze Da Li Industrial Zone, Jian-An 1 Road, New-High Technologies
Area, Tang Wei, Fuyong, Bao-An, Shenzhen

Product : 112mm(L)*59mm(W)*11mm(H)
Dimensions

USB Cable : Shielded, Detachable, 0.3m(Bonded one ferrite core)

Earphone : Manufacturer: Philips
Model: AY3840
Cable: Detachable,1.0m

Date of Test : Aug.03~Sep.16, 2011

Date of Receipt : Aug.02, 2011

Sample Type : Prototype production

Note: This EUT have four main model numbers, SA3CNT32K/37, SA3CNT32S/37, SA3CNT32K/17, SA3CNT32S/17, The difference between them is the colour only, all the other things like PCB Layout, circuit, RF module are the same According to exploratory testing, the result of the SA3CNT32K/37 which be showed in test report is worst.

2.3. Test information

The test software “bluesuite.exe” was used to control EUT work in Continuous TX mode, and select test channel.

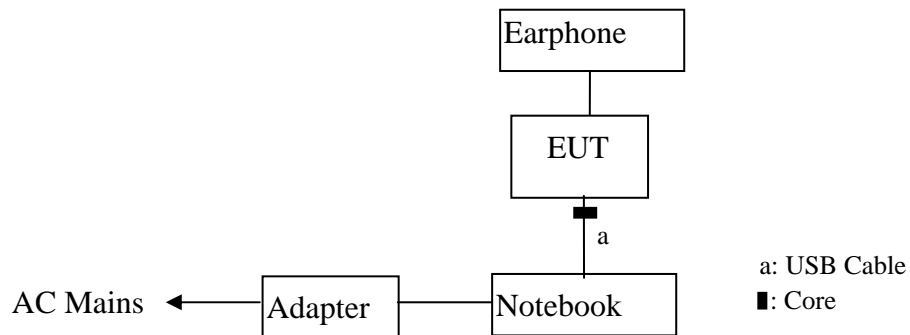
Tested mode, channel, and data rate information			
Mode	data rate (Mbps)	Channel	Frequency (MHz)
Tx Mode GFSK modulation	1	Low :CH 0	2402
	1	Middle: CH39	2441
	1	High: CH78	2480
Tx Mode 8-DPSK modulation	3	Low :CH 0	2402
	3	Middle: CH39	2441
	3	High: CH78	2480

Note: $\pi/4$ DQPSK modulation is same type modulation with 8-DPSK, and according exploratory test, 8-DPSK will have worse emissions, so the final test were only performed with GFSK and 8-DPSK modulation.

2.4. Tested Supporting System Details

No .	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	Notebook	Test PC R	DELL	D430	PP09S	<input checked="" type="checkbox"/> FCC DoC

2.5. EUT Configuration and operation conditions for test.



(EUT: GoGear Connect, WiFi MP3 Player)

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: Mar.31, 2012

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

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

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, 2012

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

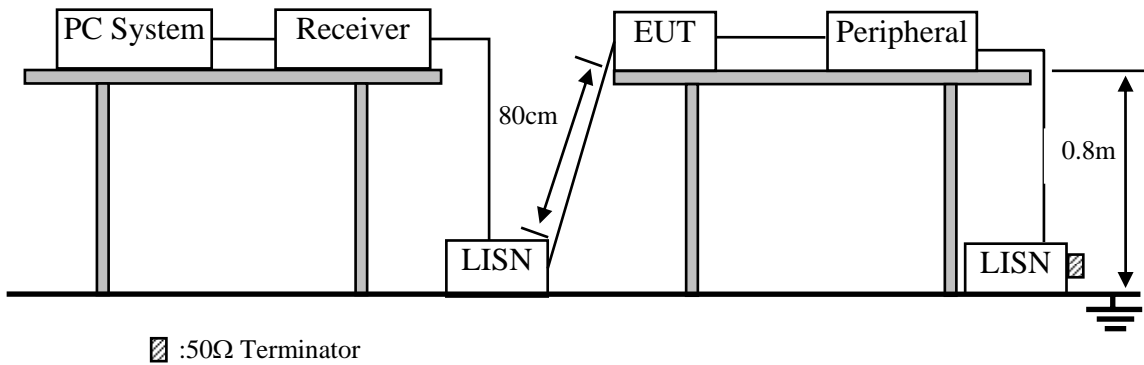
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.2 dB(150kHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6 dB(30~200MHz, Polarize: H)
	3.7 dB(30~200MHz, Polarize: V)
	4.0 dB(200M~1GHz, Polarize: H)
	3.7 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for Power density test	2.00 dB
Uncertainty for Frequency range test	7×10^{-8}
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	Nov.05, 10	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Nov.05, 10	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 11	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May.08, 11	1 Year
5.	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 11	1 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 11	1 Year
7.	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May.08, 11	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 11	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. GoGear Connect, WiFi MP3 Player (EUT)

Model Number : SA3CNT32K/37
Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.3.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 2.4.

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

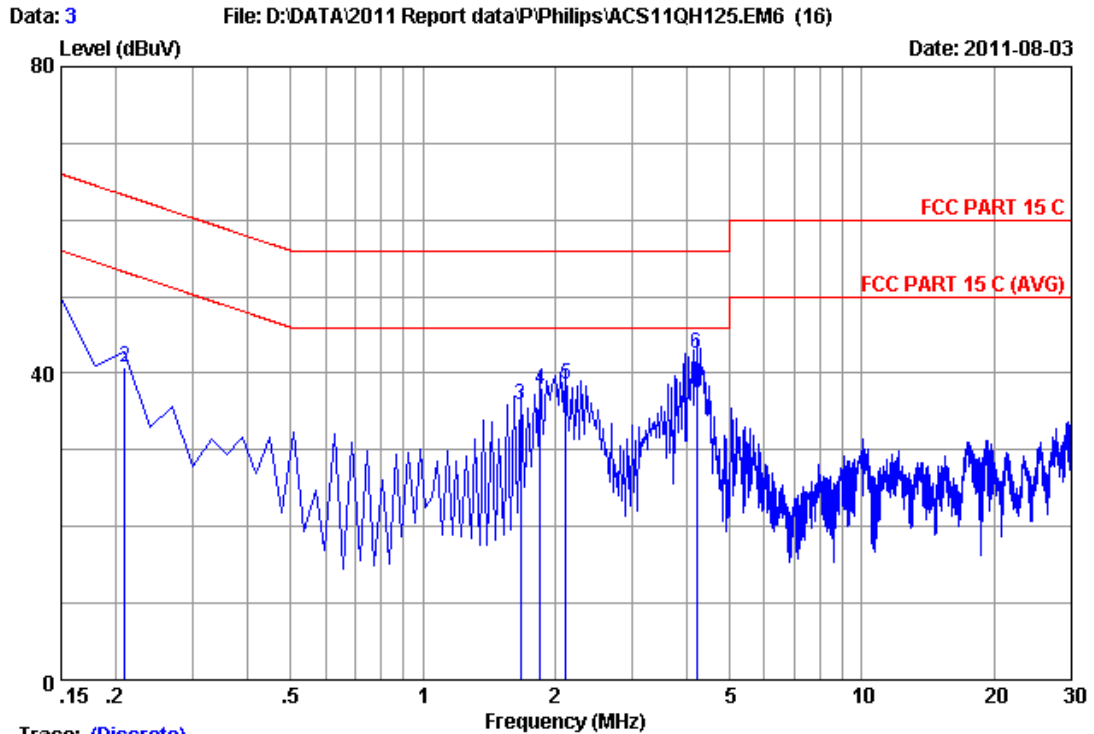
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). 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.)

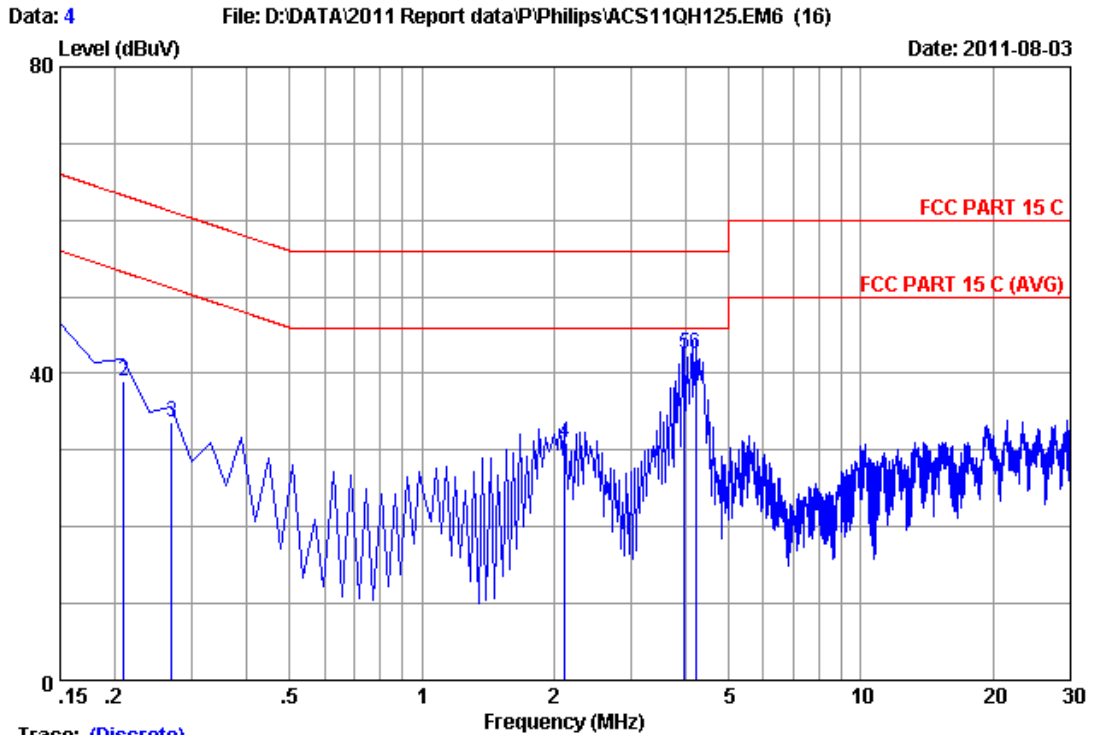


Trace: (Discrete)

Site no :1#conduction Data No :3
 Dis./Ant. **: 2011 ESH2-Z5 LINE
 Limit :FCC PART 15 C
 Env./Ins. :29.5°C/55% Engineer :Paul Tian
 EUT :GoGear Connect, WiFi MP3 Player
 Power Rating :DC 5 V From PC Input AC 120V/60Hz
 Test Mode :Tx Mode (BT)
 M/N:SA3CNT32K/37

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.15000	0.17	9.98	34.64	44.79	66.00	21.21	QP
2	0.20970	0.17	9.98	30.54	40.69	63.22	22.53	QP
3	1.672	0.28	9.97	25.68	35.93	56.00	20.07	QP
4	1.851	0.30	9.96	27.52	37.78	56.00	18.22	QP
5	2.120	0.31	9.96	28.25	38.52	56.00	17.48	QP
6	4.210	0.35	9.94	32.20	42.49	56.00	13.51	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 :4
 Dis./Ant. **: 2011 ESH2-25 NEUTRAL
 Limit :FCC PART 15 C
 Env./Ins. :29.5°C/55% Engineer :Paul Tian
 EUT :GoGear Connect, WiFi MP3 Player
 Power Rating :DC 5 V From PC Input AC 120V/60Hz
 Test Mode :Tx Mode(BT)
 M/N:SA3CNT32K/37

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.15000	0.21	9.98	29.29	39.48	66.00	26.52	QP
2	0.20970	0.21	9.98	28.81	39.00	63.22	24.22	QP
3	0.26940	0.21	9.98	23.39	33.58	61.14	27.56	QP
4	2.120	0.27	9.96	20.65	30.88	56.00	25.12	QP
5	3.971	0.31	9.94	32.42	42.67	56.00	13.33	QP
6	4.210	0.31	9.94	32.21	42.46	56.00	13.54	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

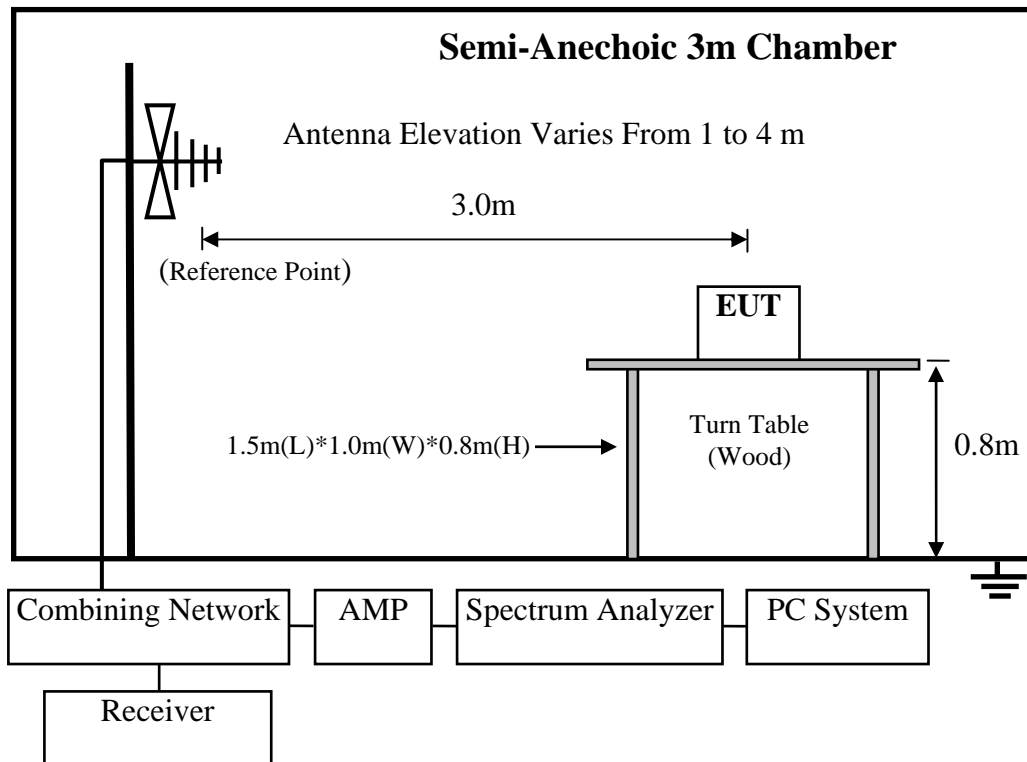
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.06,10	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 11	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 11	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 11	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Oct.26, 10	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 11	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 11	1 Year

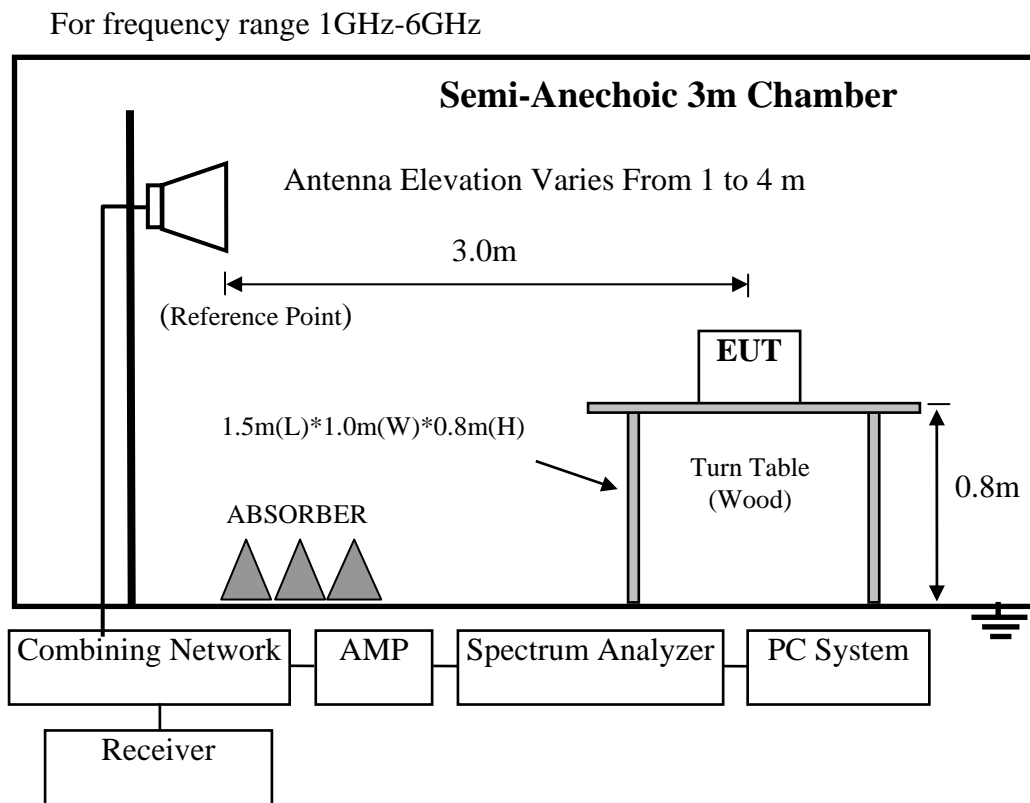
Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 11	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	July.01, 11	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 11	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28622/2	May.08, 11	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	29091/2	May.08, 11	1 Year

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz





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. GoGear Connect, WiFi MP3 Player (EUT)

Model Number : SA3CNT32K/37

Serial Number : N/A

4.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.4

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.

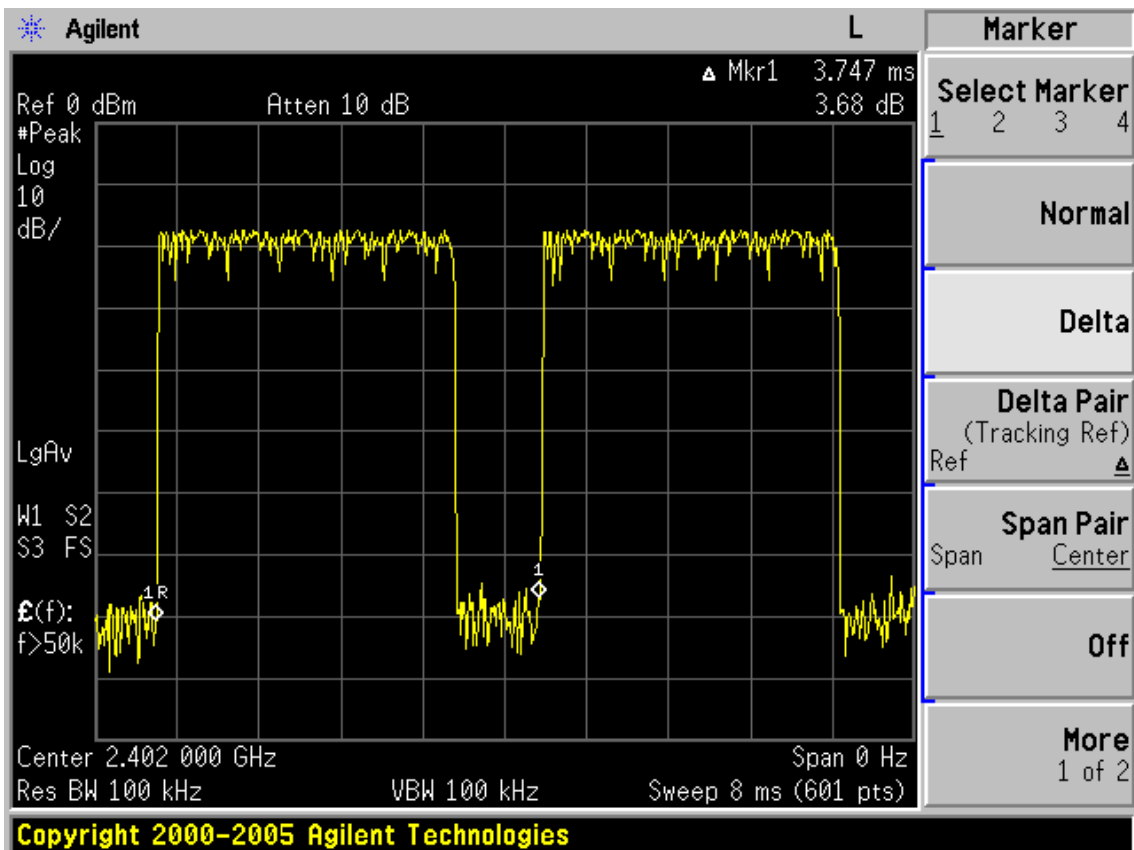
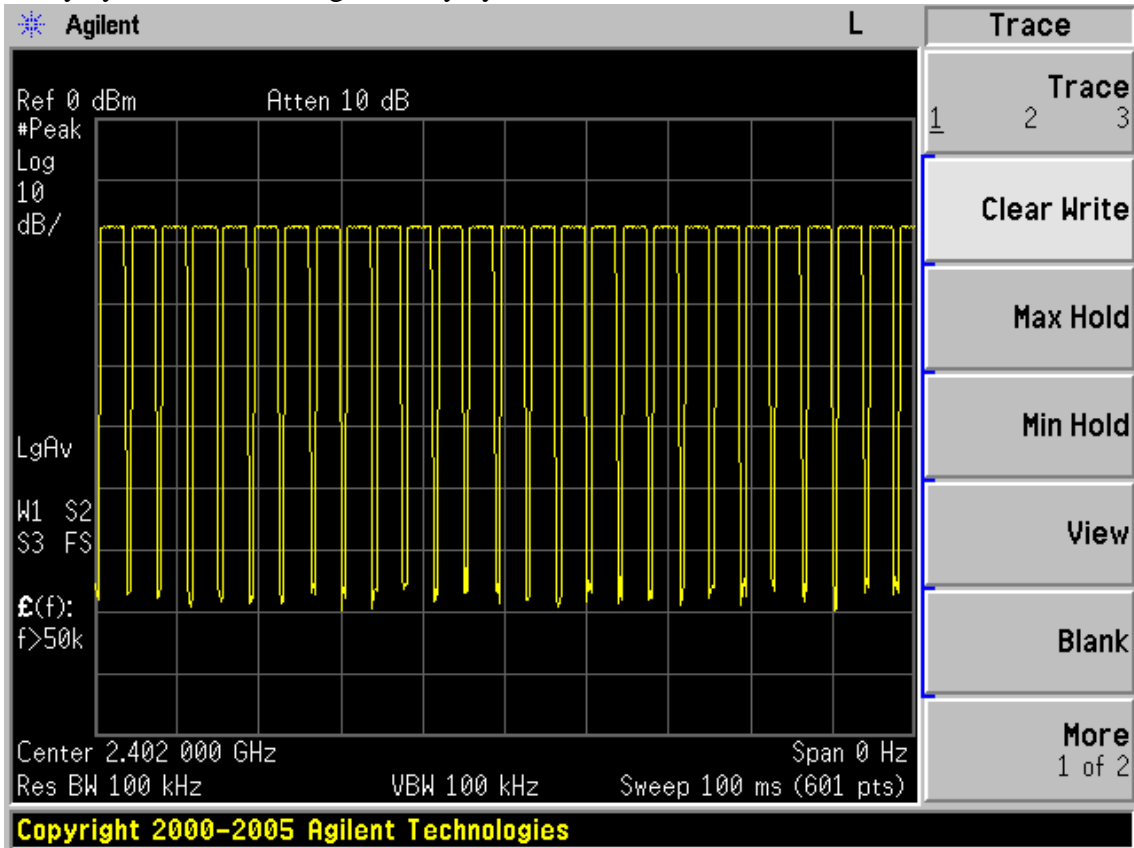
4.7. Radiated Emission Test Results

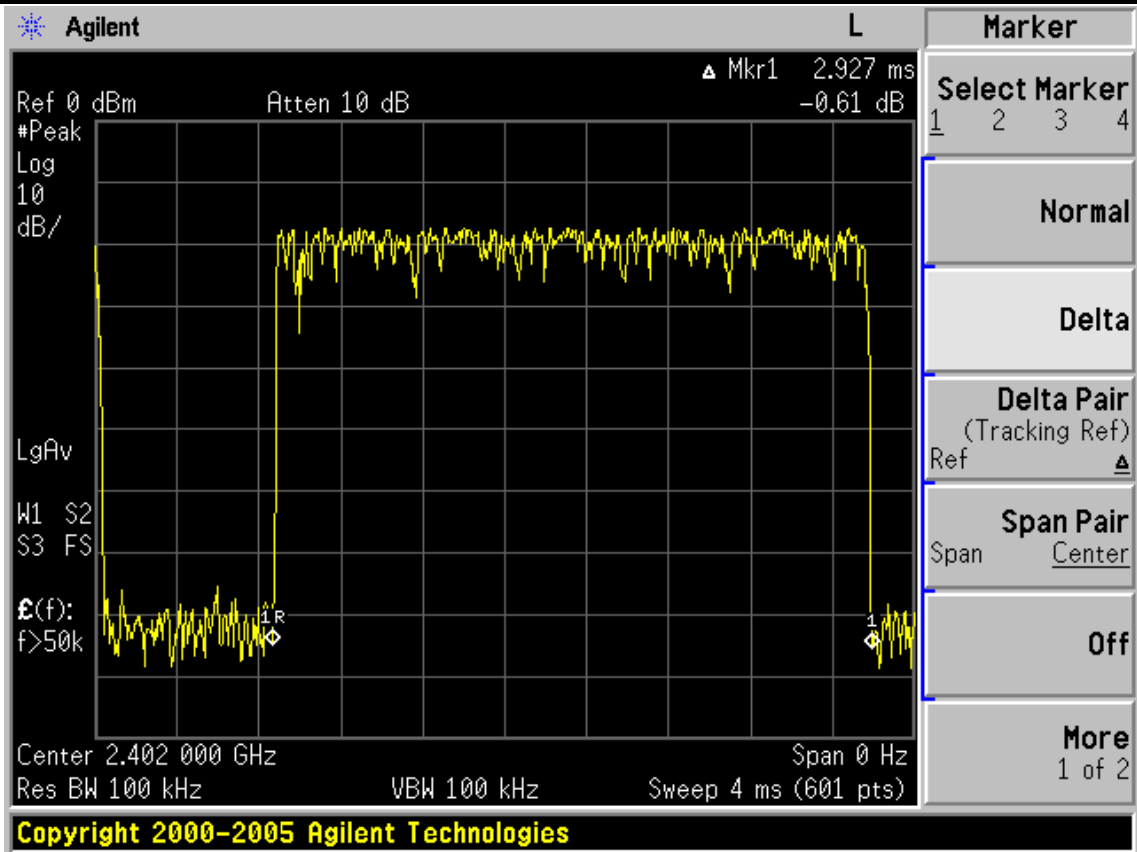
PASS.

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

Note: The duty cycle factor for calculate average level is 2.14dB, 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: $2.927\mu\text{s} / 3.747\text{ms} * 100\% = 78\%$
 Duty cycle factor = $20\log (1/\text{duty cycle}) = 2.14$



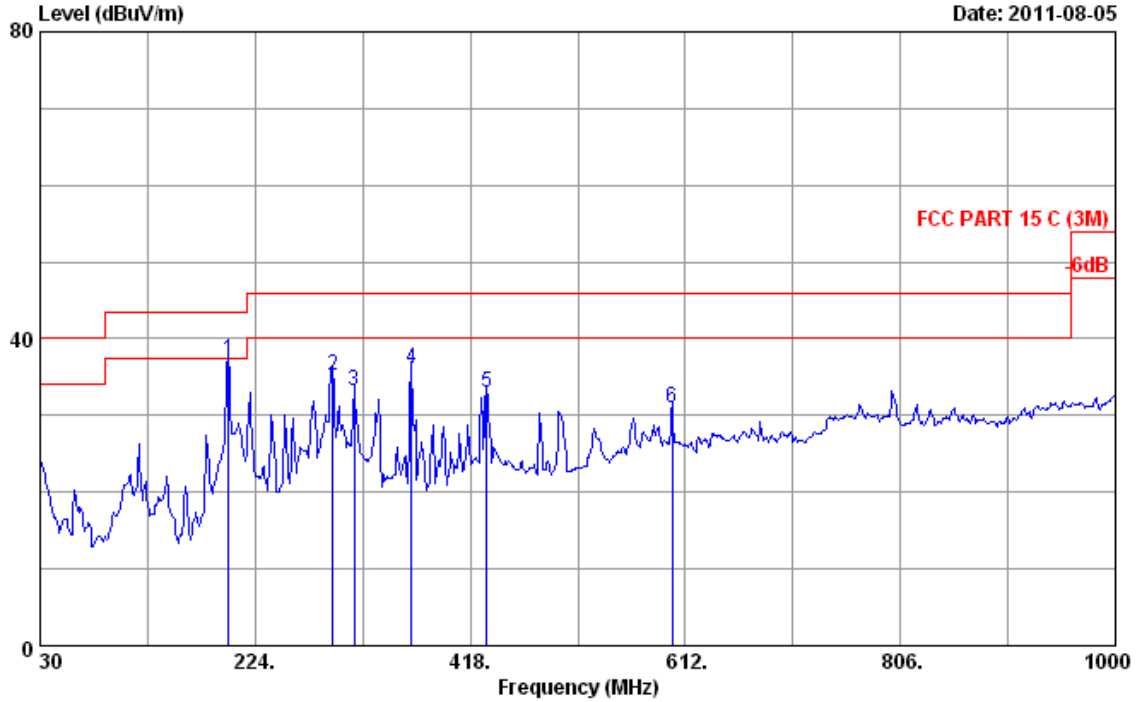


Frequency: 30MHz~1GHz

Data: 3

File: E:\2011 Report data\Philips\ACS11QH125.EM6 (10)

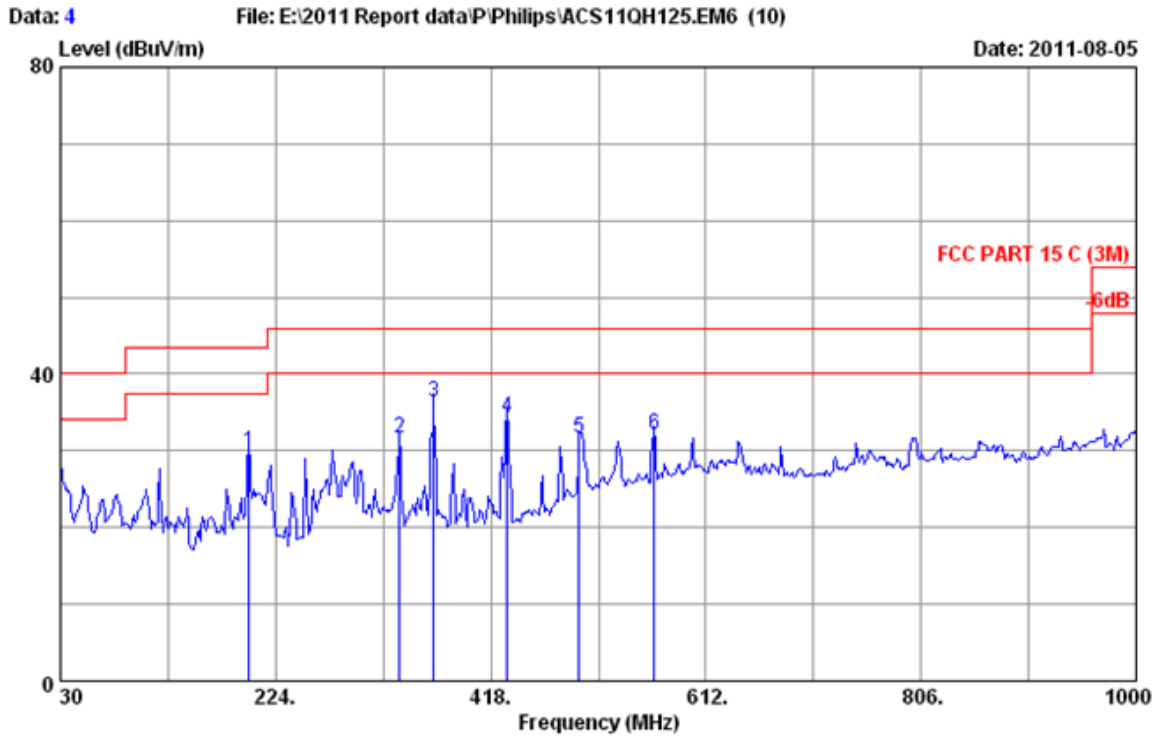
Date: 2011-08-05



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo_Li
 EUT : GoGear Connect, WiFi MP3 Player M/N:SA3CNT16K/37
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : Tx Mode(BT)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	199.750	10.00	1.83	25.40	37.23	43.50	6.27	QP
2	293.840	13.68	2.93	18.65	35.26	46.00	10.74	QP
3	313.240	14.06	3.04	16.02	33.12	46.00	12.88	QP
4	364.650	15.55	3.21	17.28	36.04	46.00	9.96	QP
5	432.550	17.42	3.55	11.90	32.87	46.00	13.13	QP
6	600.360	19.90	4.50	6.51	30.91	46.00	15.09	QP

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

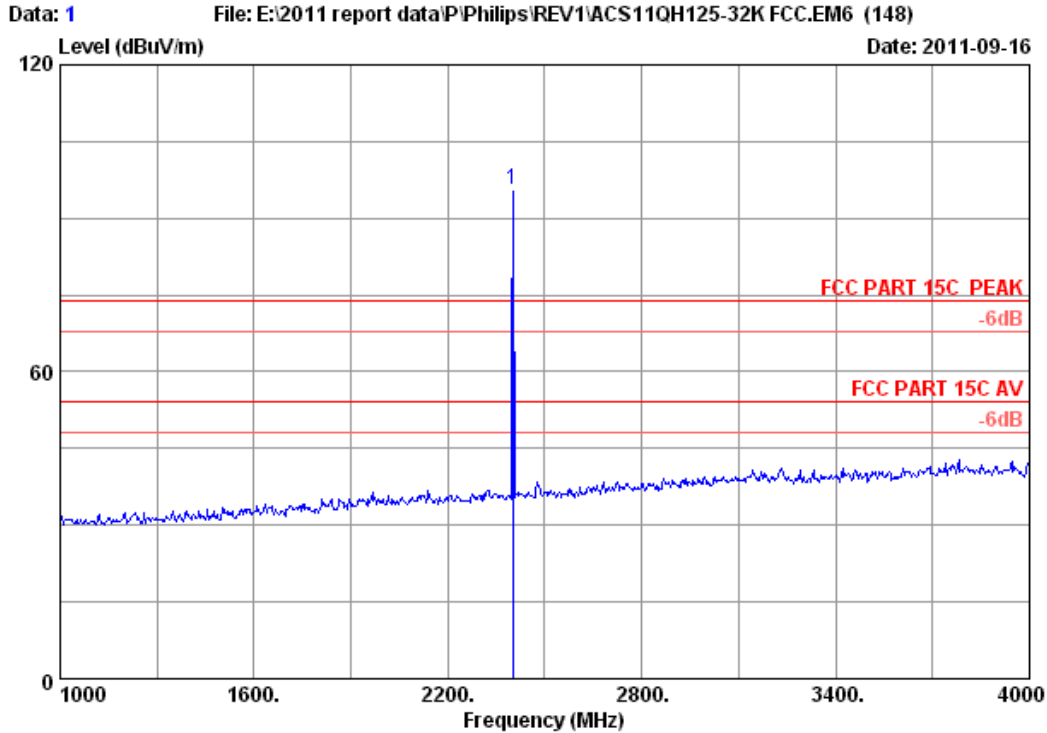


Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Leo_Li
 EUT : GoGear Connect, WiFi MP3 Player M/N:SA3CNT16K/37
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : Tx Mode (BT)

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	199.750	10.00	1.83	18.10	29.93	43.50	13.57	QP
2	335.550	14.62	3.12	13.89	31.63	46.00	14.37	QP
3	366.590	15.54	3.22	17.63	36.39	46.00	9.61	QP
4	432.550	17.42	3.55	13.43	34.40	46.00	11.60	QP
5	497.540	18.27	3.99	9.30	31.56	46.00	14.44	QP
6	565.440	19.61	4.32	8.21	32.14	46.00	13.86	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



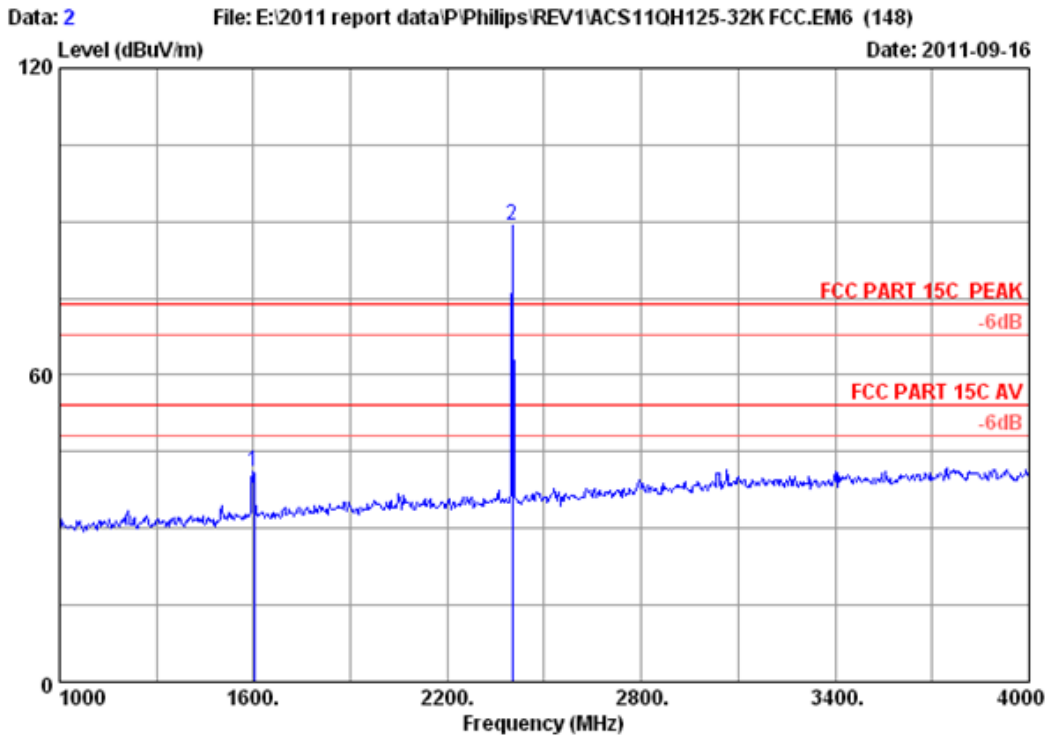
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Site no.       : 3m Chamber           Data no. : 1
Dis. / Ant.   : 3m 2011 3115 4580    Ant. pol.: HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%             Engineer : Leo-Li
EUT           : GoGear Connect,WiFi MP3 Player
Power         : DC 5V From PC Input AC 120V/60Hz
Test mode     : GFSK 2402MHz Tx
M/N          : SA3CNT32K/37
    
```

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2402.000	27.96	6.75	34.44	95.41	95.68	74.00	-21.68	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.

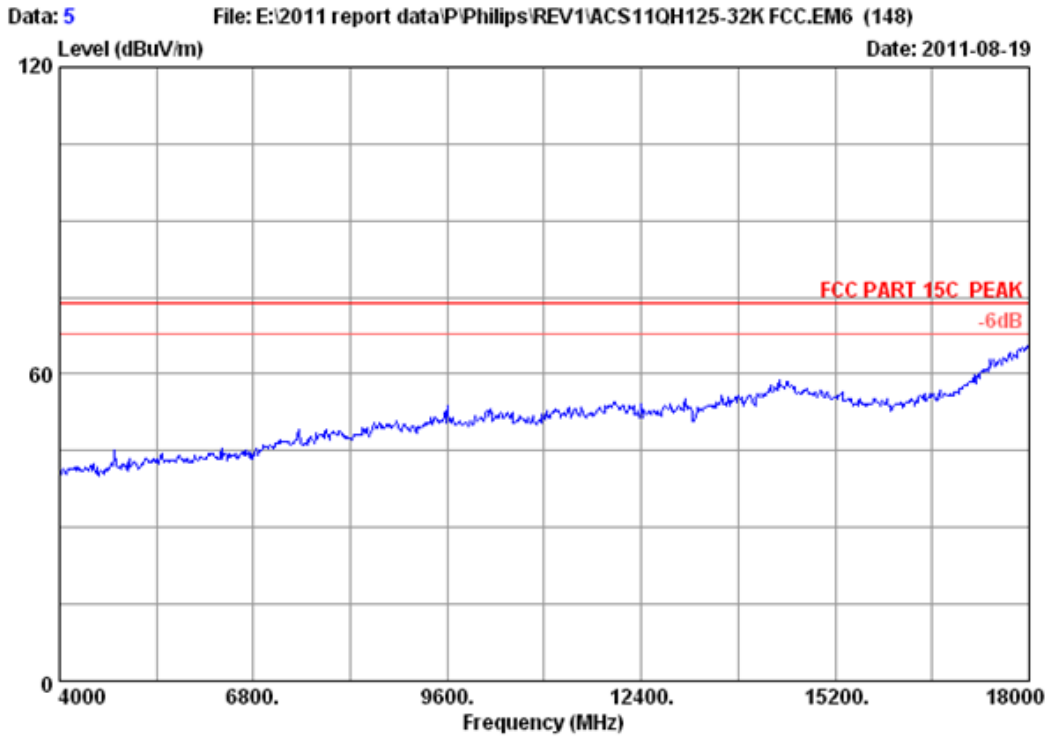


Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

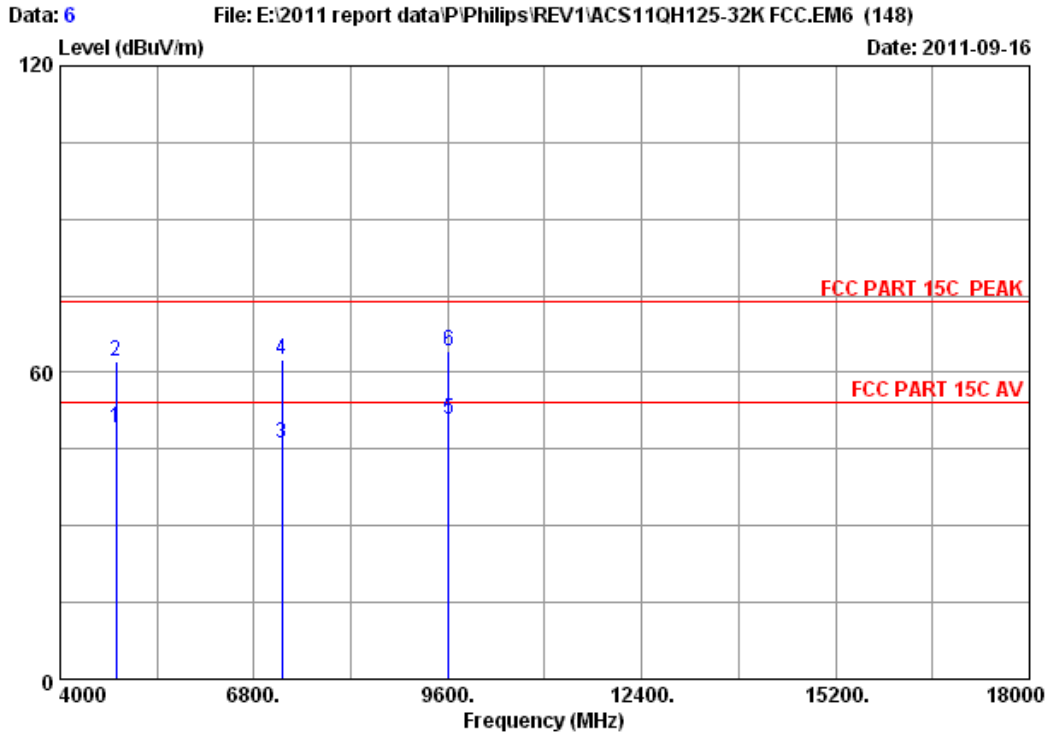
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1601.240	25.72	5.35	34.60	44.76	41.23	74.00	32.77	Peak
2	2402.000	27.96	6.75	34.44	88.85	89.12	74.00	-15.12	Peak

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. : 5
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2402MHz Tx
M/N : SA3CNT32K/37
:

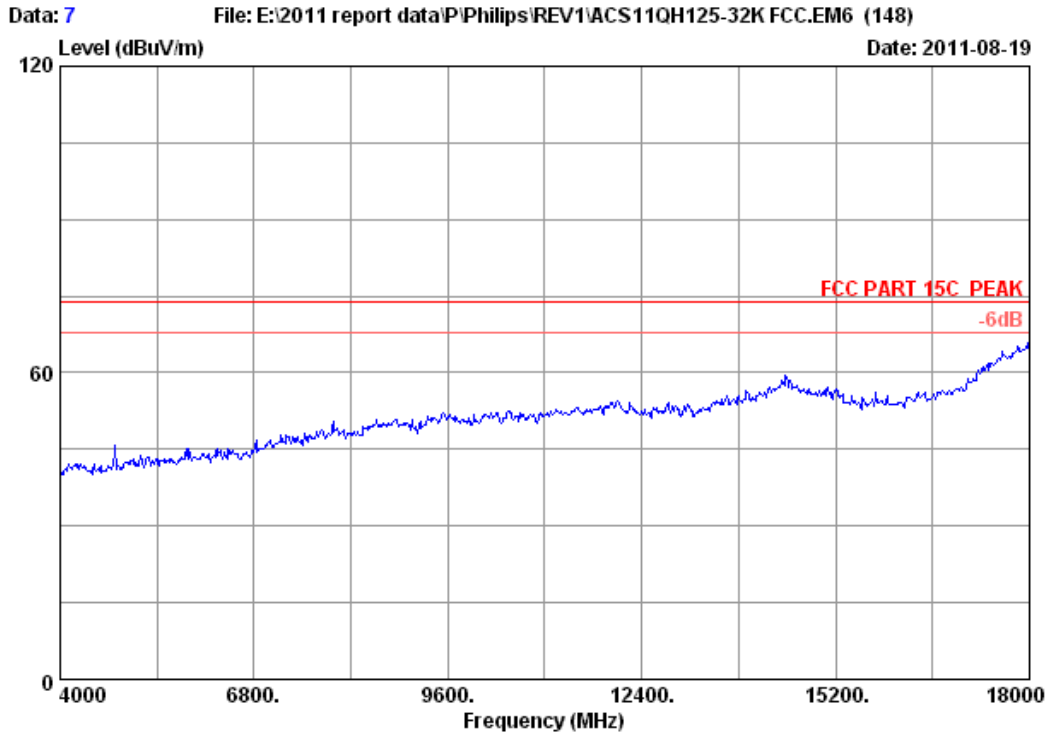


Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

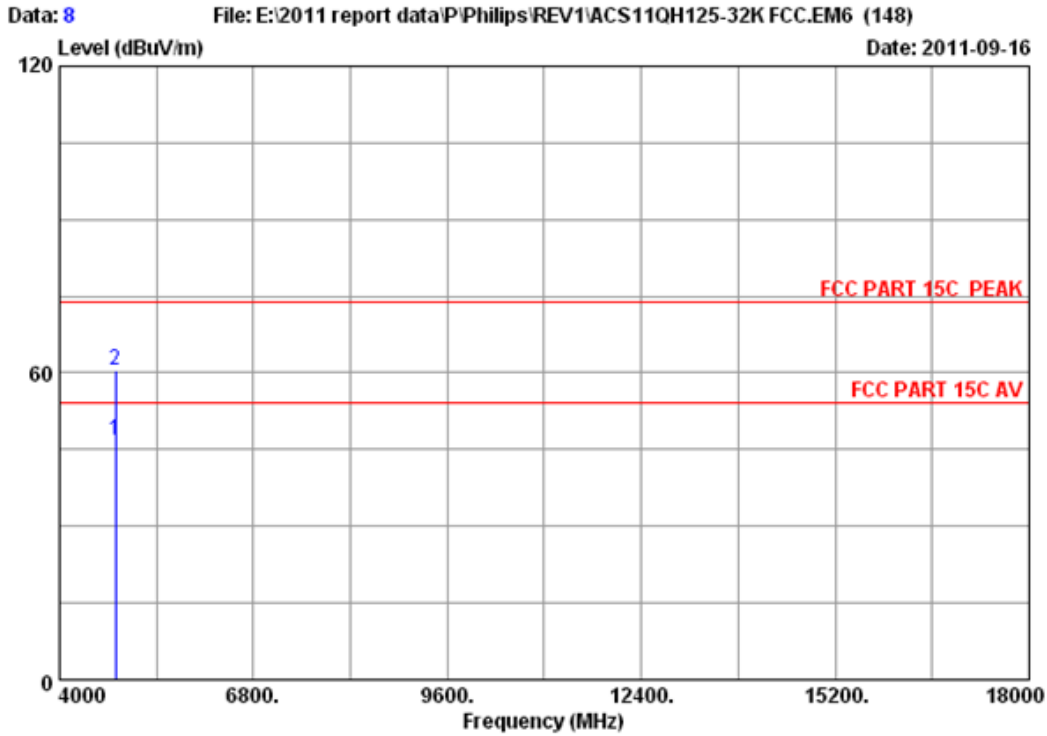
	Freq.	Ant.	Cable	Amp.	Reading	Emission	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4804.000	32.86	9.55	34.60	41.35	49.16	74.00	24.84	Average
2	4804.000	32.86	9.55	34.60	54.26	62.07	74.00	11.93	Peak
3	7206.000	35.74	11.82	34.72	33.26	46.10	74.00	27.90	Average
4	7206.000	35.74	11.82	34.72	49.76	62.60	74.00	11.40	Peak
5	9608.000	37.76	13.22	34.56	34.38	50.80	74.00	23.20	Average
6	9608.000	37.76	13.22	34.56	47.78	64.20	74.00	9.80	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.



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect, WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2402MHz Tx
M/N : SA3CNT32K/37
:

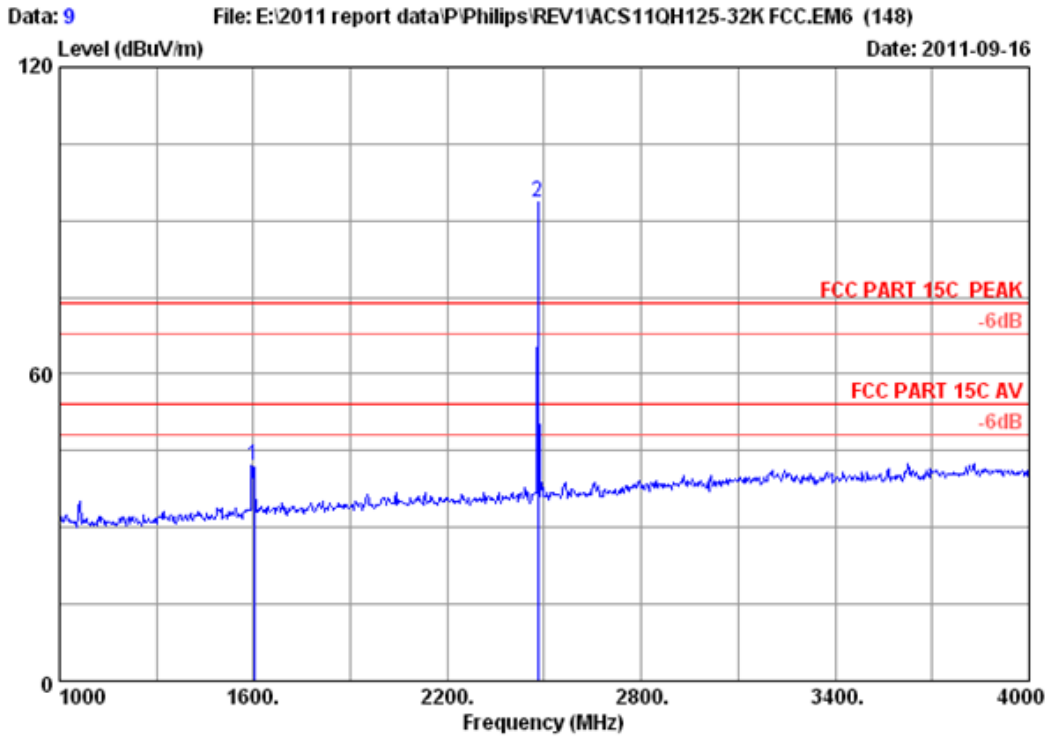


Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. 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	4804.000	32.86	9.55	34.60	38.99	46.80	54.00	7.20	Average
2	4804.000	32.86	9.55	34.60	52.60	60.41	74.00	13.59	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.



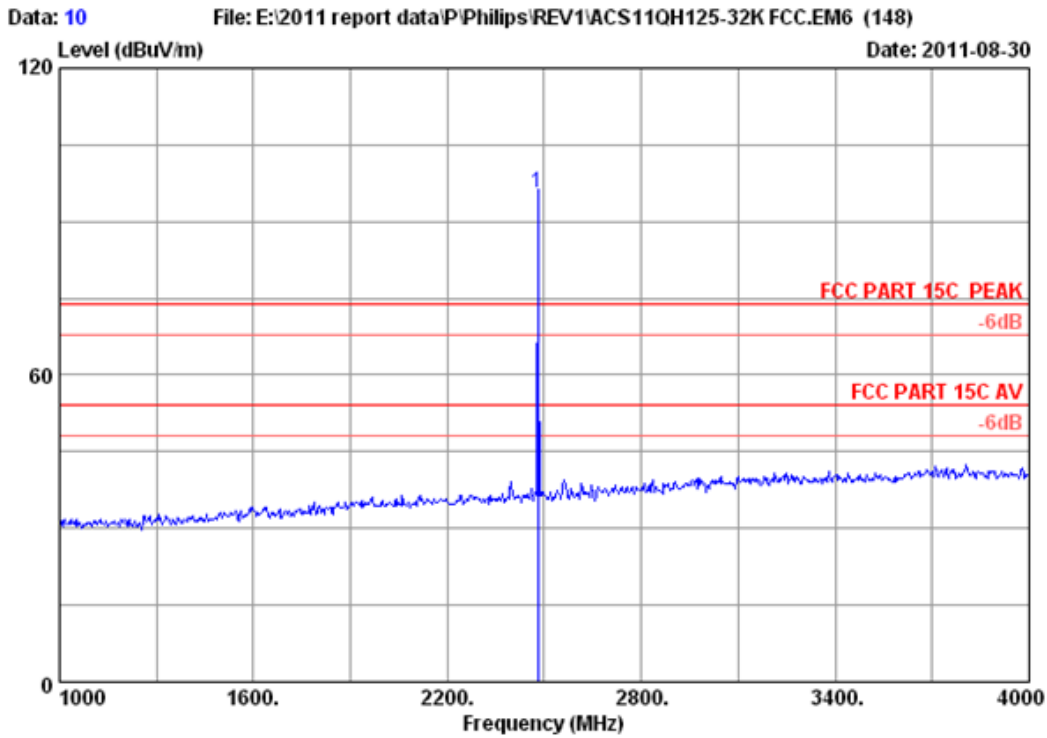
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Site no.      : 3m Chamber           Data no. : 9
Dis. / Ant.  : 3m 2011 3115 4580    Ant. pol.: VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%             Engineer : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : GFSK 2480MHz Tx
M/N          : SA3CNT32K/37
:
  
```

	Ant. 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	1601.000	25.72	5.35	34.60	45.70	42.17	74.00	31.83	Peak
2	2480.000	28.08	6.87	34.45	93.23	93.73	74.00	-19.73	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.



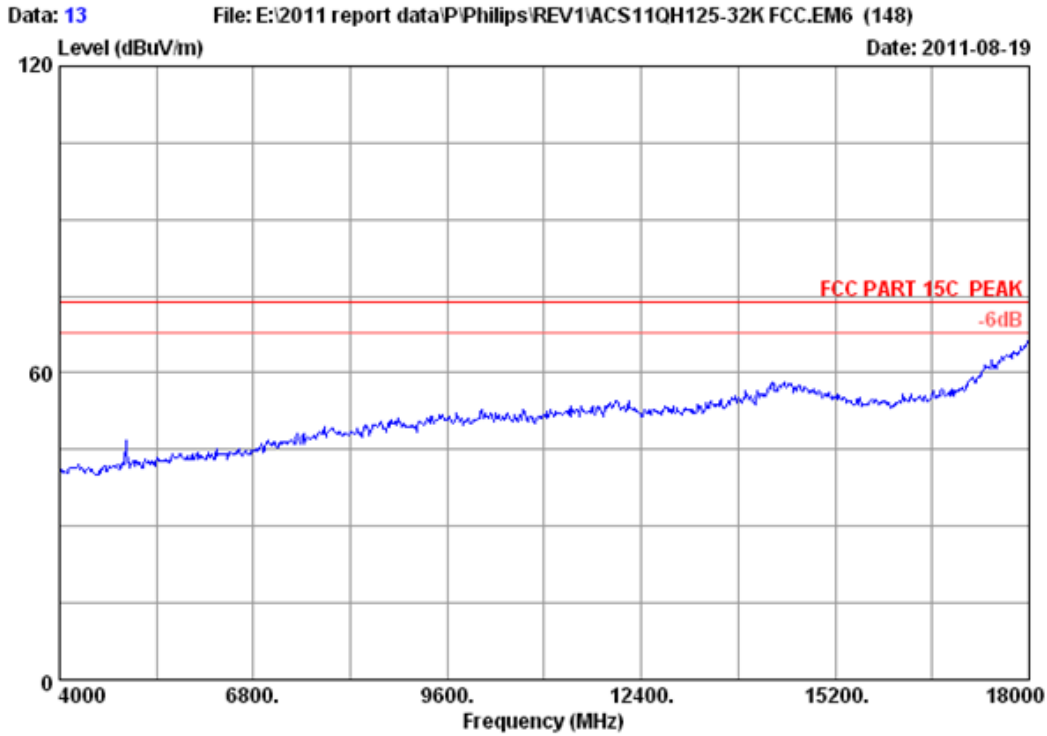
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Site no.      : 3m Chamber           Data no. : 10
Dis. / Ant.  : 3m 2011 3115 4580    Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23°C/54%             Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : GFSK 2480MHz Tx
M/N          : SA3CNT32K/37
:
  
```

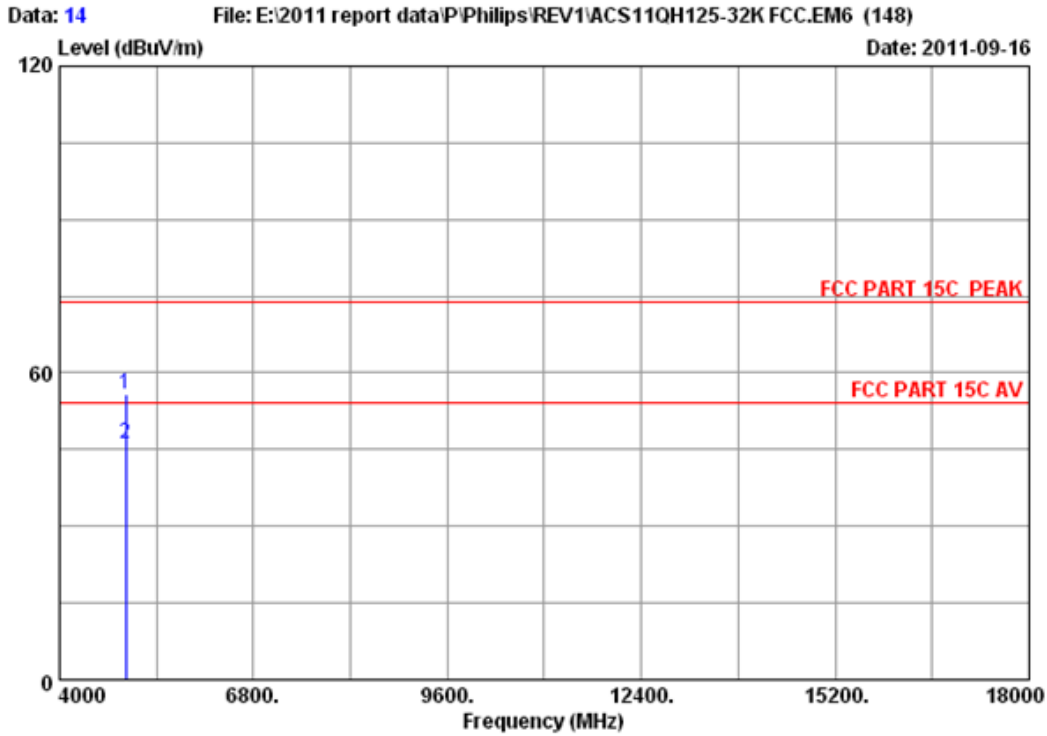
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.08	6.87	34.45	94.97	95.47	74.00	-21.47	Peak

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. : 13
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2480MHz Tx
M/N : SA3CNT32K/37
:

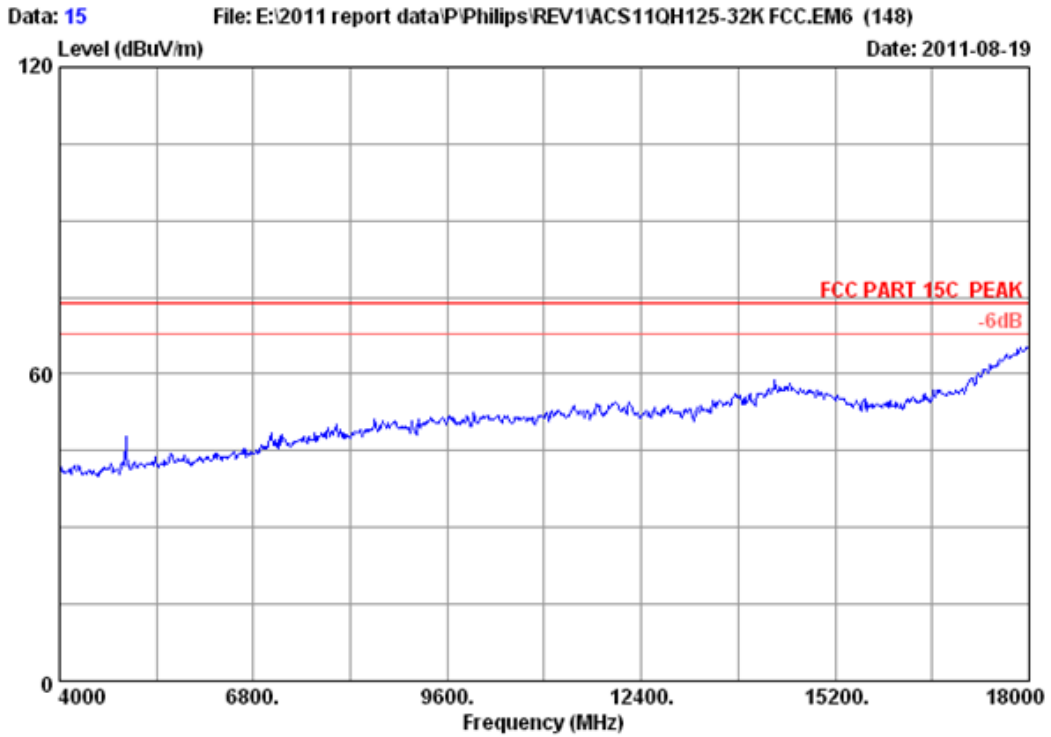


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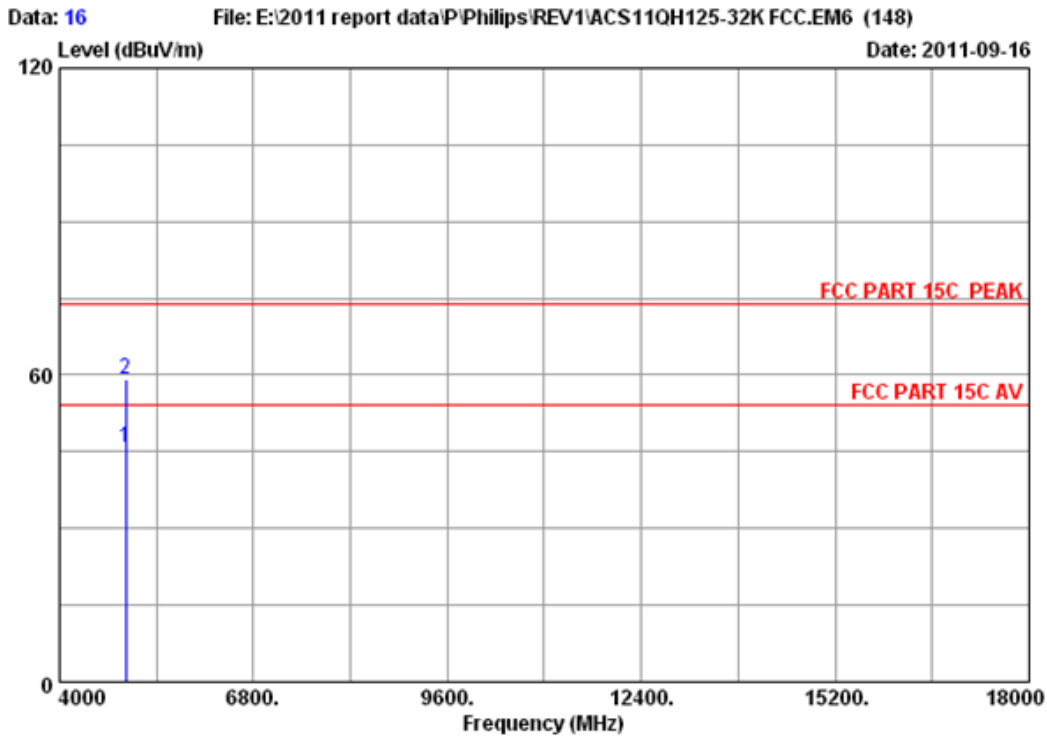
Site no.      : 3m Chamber           Data no. : 14
Dis. / Ant.  : 3m 2011 3115 4580    Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%             Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : GFSK 2480MHz Tx
M/N          : SA3CNT32K/37
:
  
```

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.14	9.69	34.60	47.65	55.88	74.00	18.12	Peak
2	4960.000	33.14	9.69	34.60	37.86	46.09	54.00	7.91	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.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2480MHz Tx
M/N : SA3CNT32K/37
:

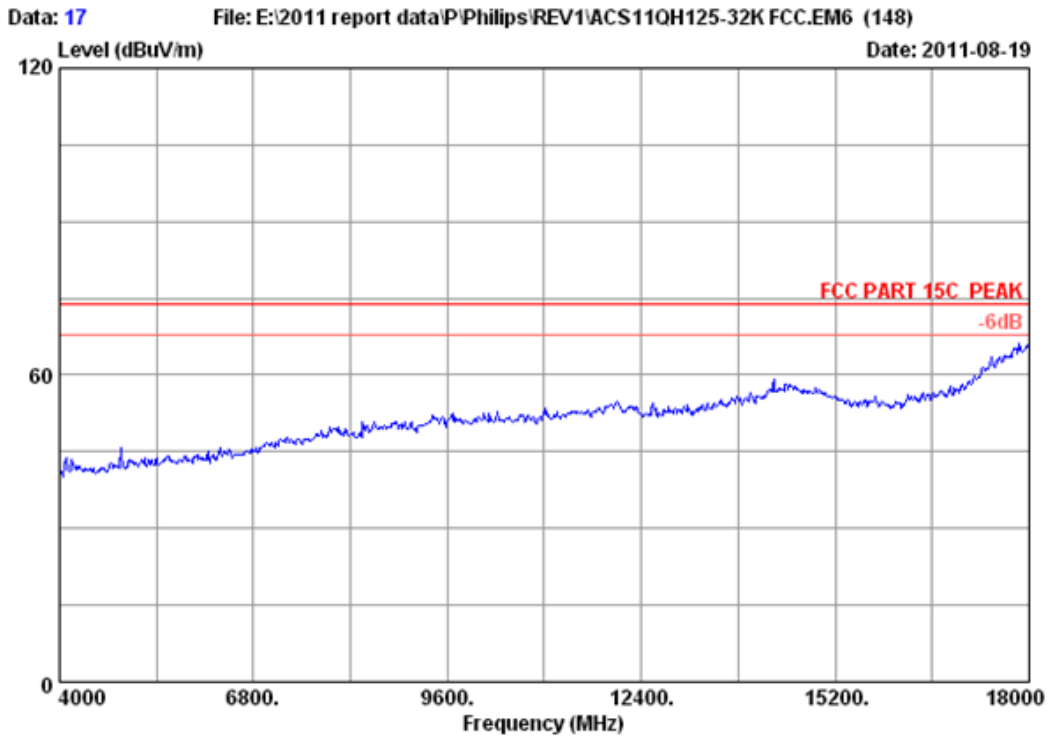


Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

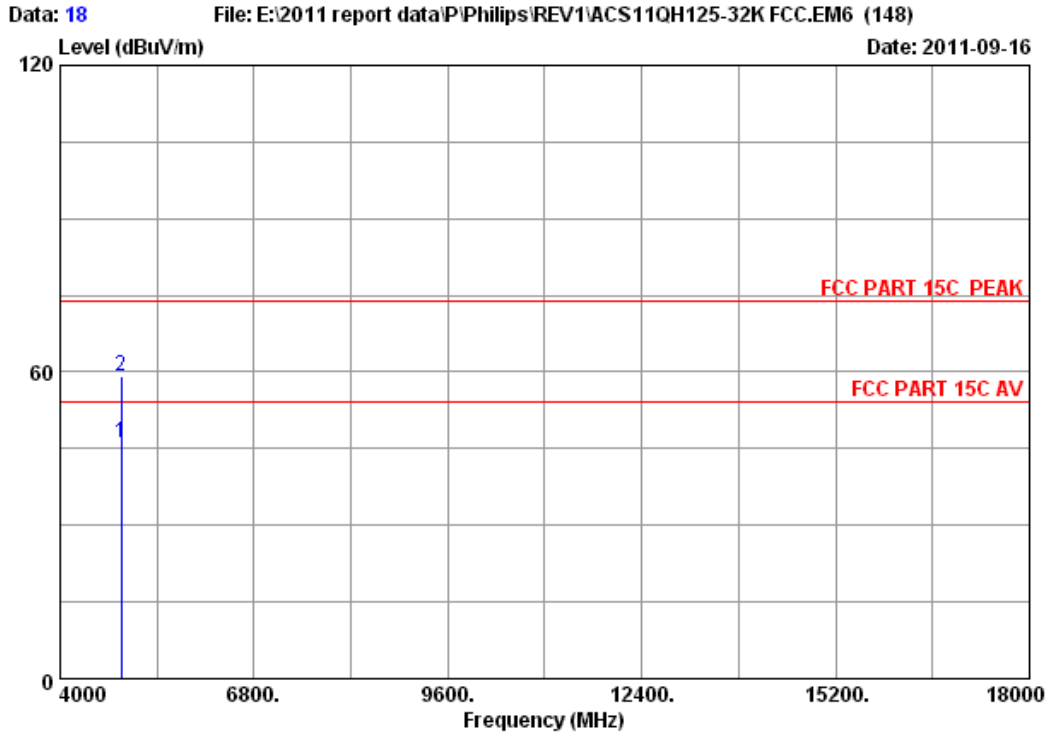
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.14	9.69	34.60	37.52	45.75	54.00	8.25	Average
2	4960.000	33.14	9.69	34.60	51.03	59.26	74.00	14.74	Peak

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. : 17
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect, WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2441MHz Tx
M/N : SA3CNT32K/37
:

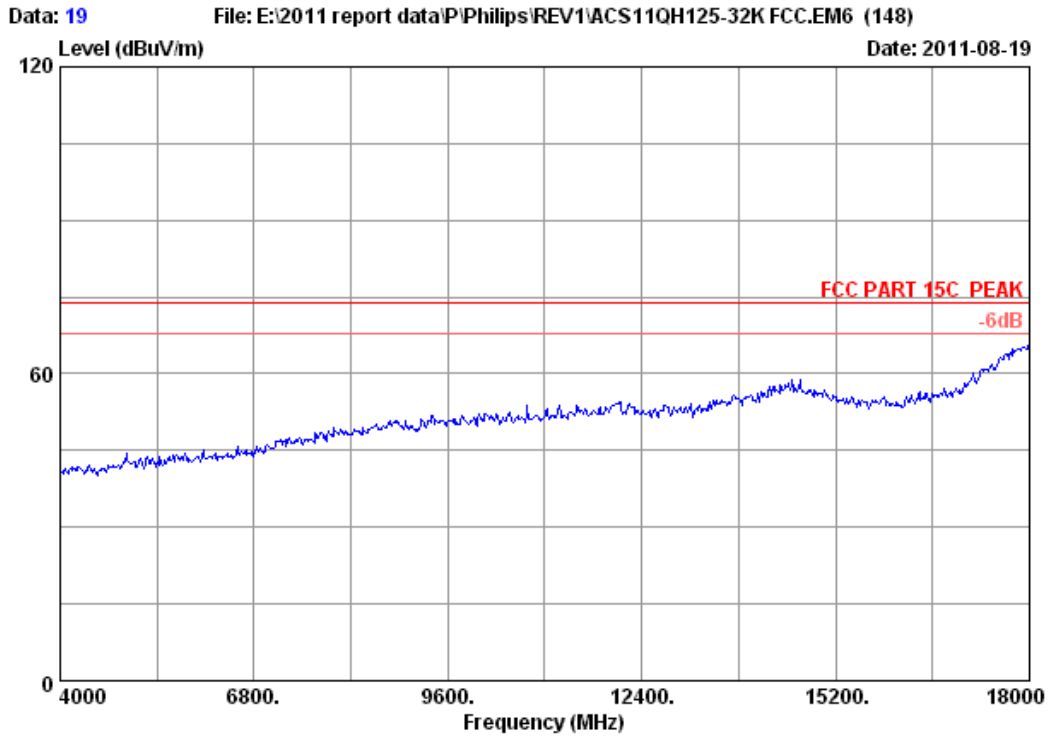


Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

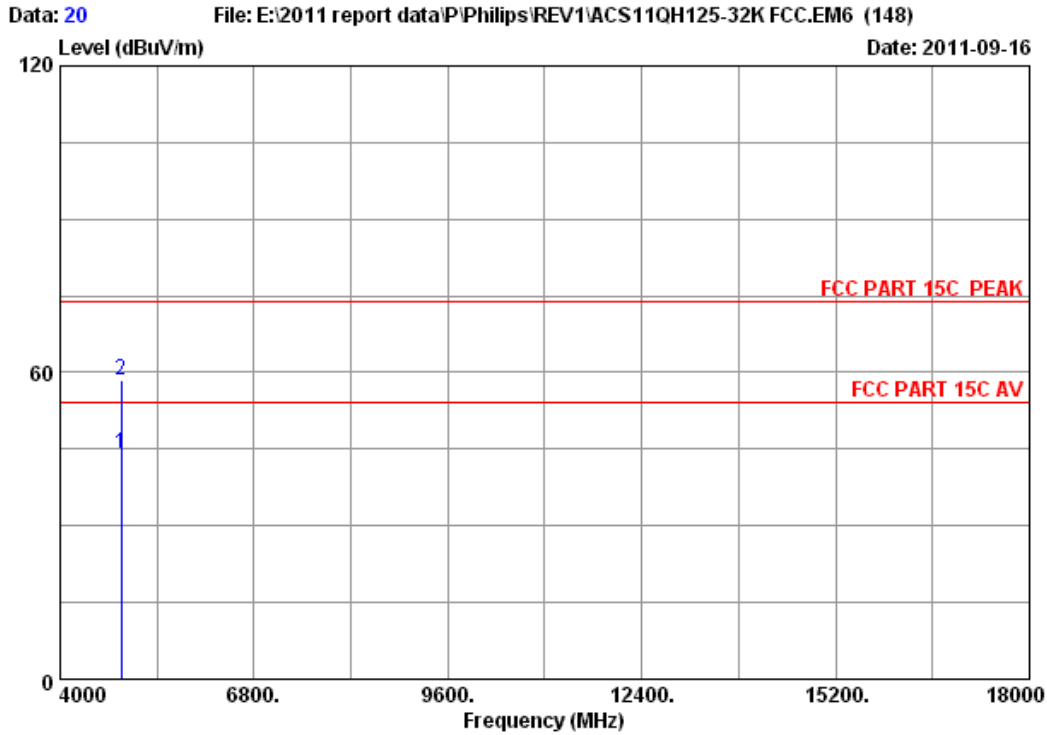
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4882.000	32.98	9.62	34.60	38.23	46.23	54.00	7.77	Average
2	4882.000	32.98	9.62	34.60	51.05	59.05	74.00	14.95	Peak

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. : 19
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : GFSK 2441MHz Tx
M/N : SA3CNT32K/37
:

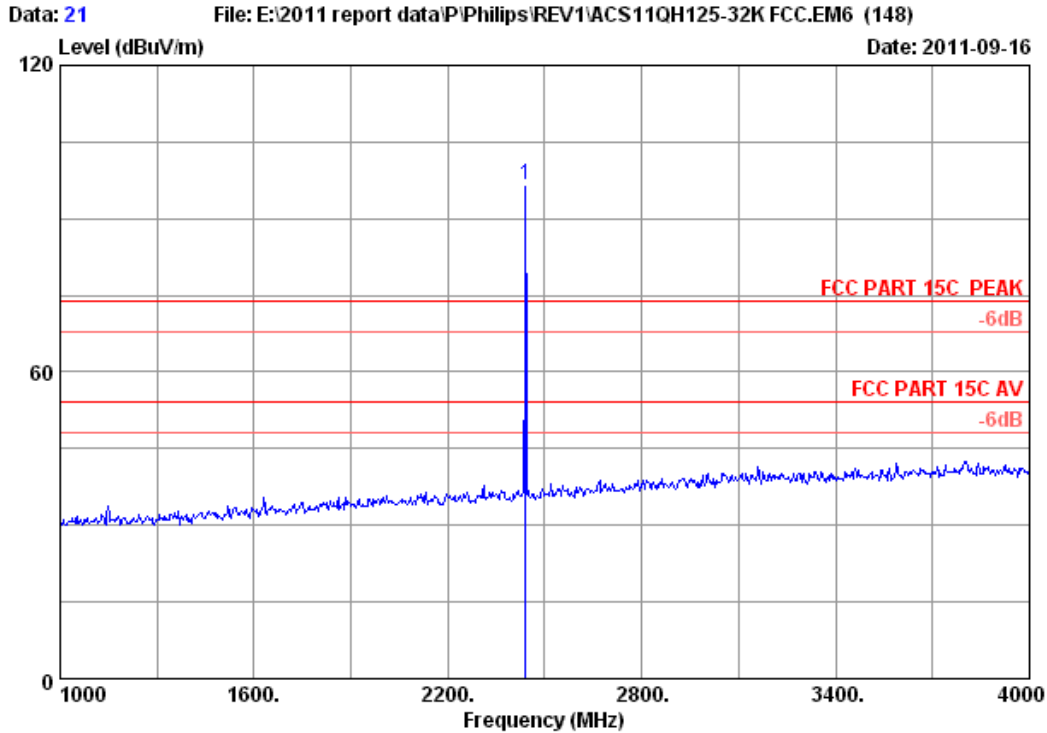


Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4882.000	32.98	9.62	34.60	36.26	44.26	54.00	9.74	Average
2	4882.000	32.98	9.62	34.60	50.57	58.57	74.00	15.43	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.

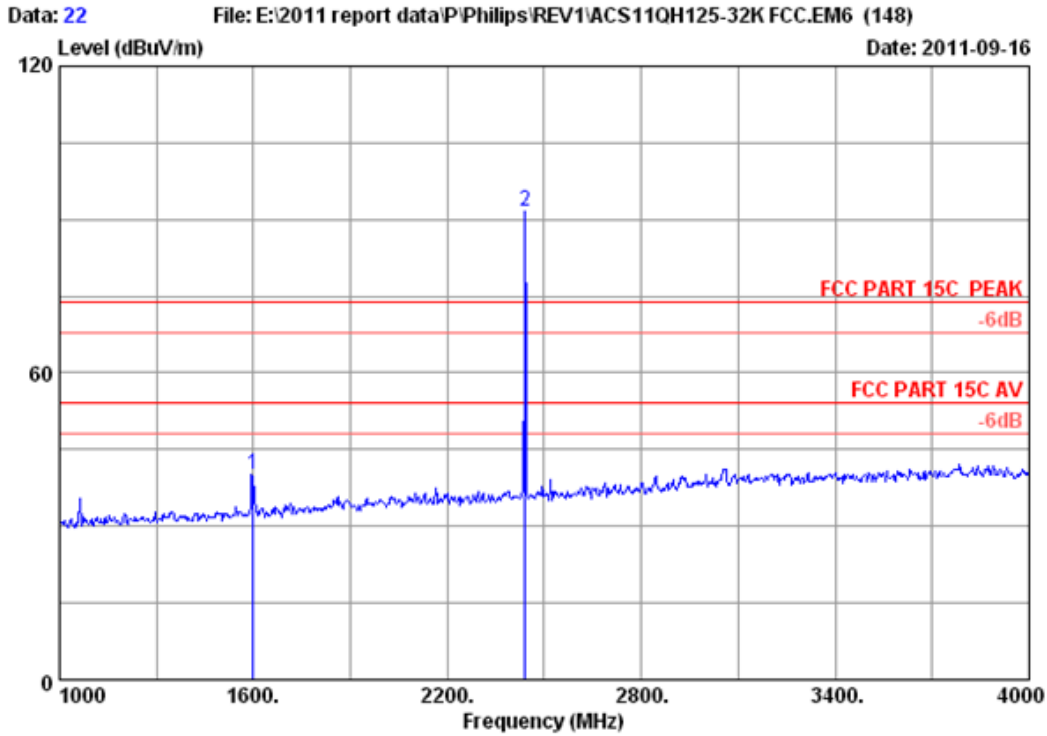


Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2441.000	28.03	6.81	34.44	96.25	96.65	74.00	-22.65	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.



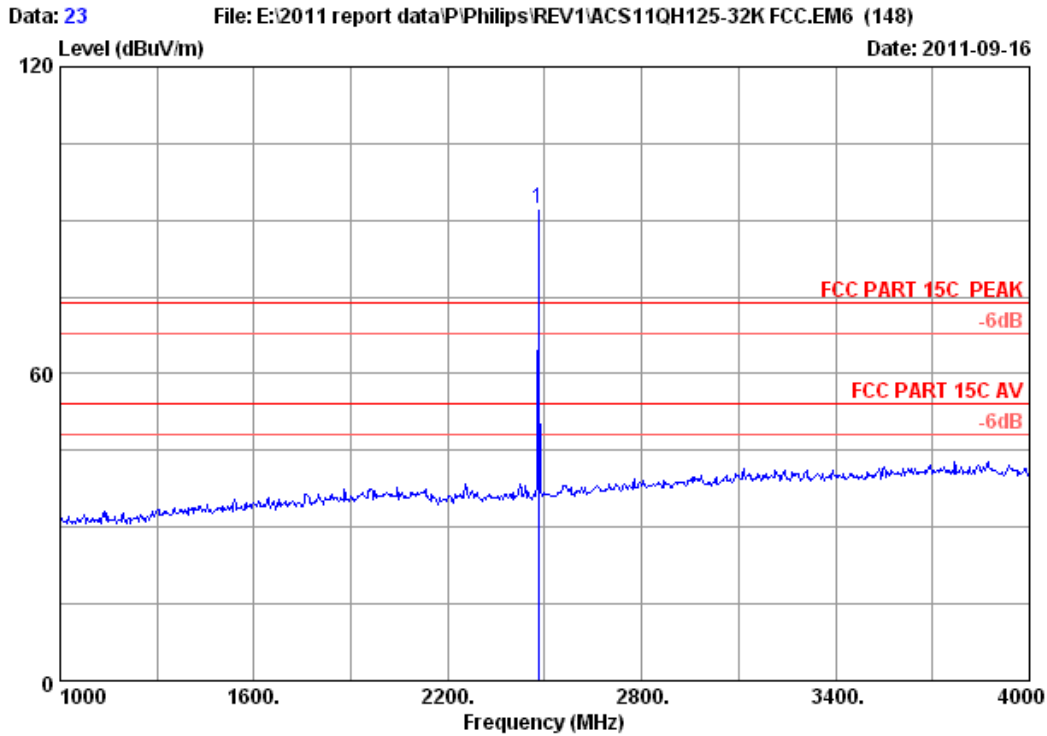
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Site no.      : 3m Chamber                Data no. : 22
Dis. / Ant.  : 3m 2011 3115 4580         Ant. pol. : VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%                  Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : GFSK 2441MHz Tx
M/N          : SA3CNT32K/37
:
  
```

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1598.000	25.72	5.35	34.60	43.69	40.16	74.00	33.84	Peak
2	2441.000	28.03	6.81	34.44	91.19	91.59	74.00	-17.59	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.



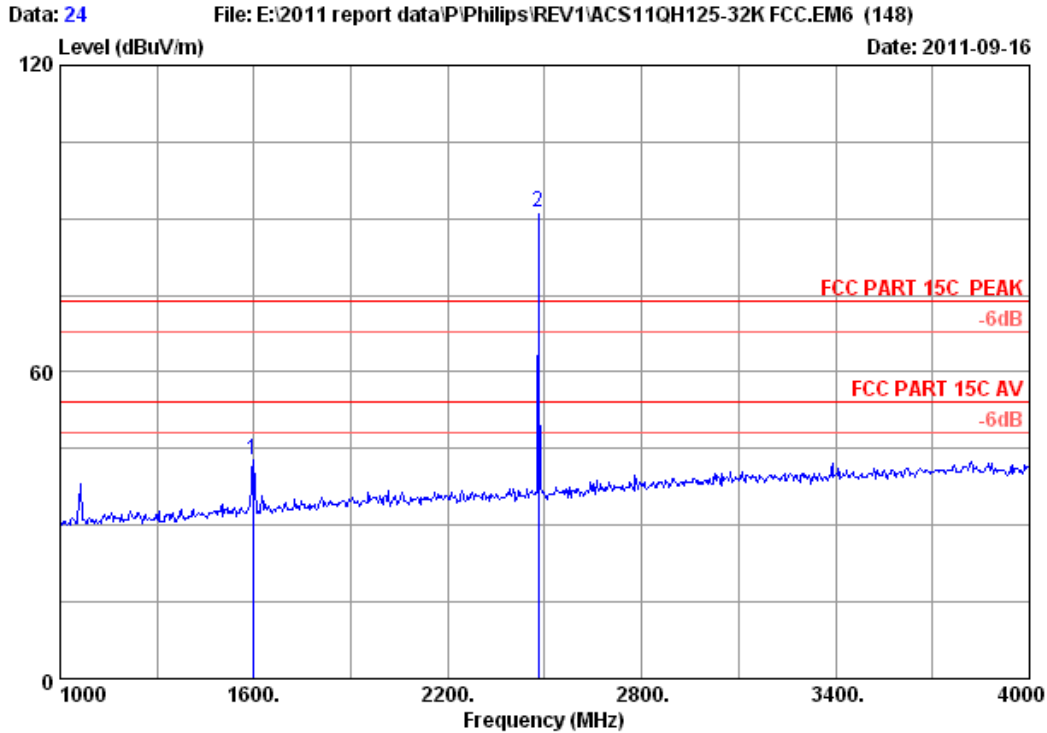
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Site no.      : 3m Chamber           Data no. : 23
Dis. / Ant.  : 3m 2011 3115 4580    Ant. pol.: HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%             Engineer : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 8DPSK 2480MHz Tx
M/N          : SA3CNT32K/37
:
  
```

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2480.000	28.08	6.87	34.45	91.64	92.14	74.00	-18.14	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.



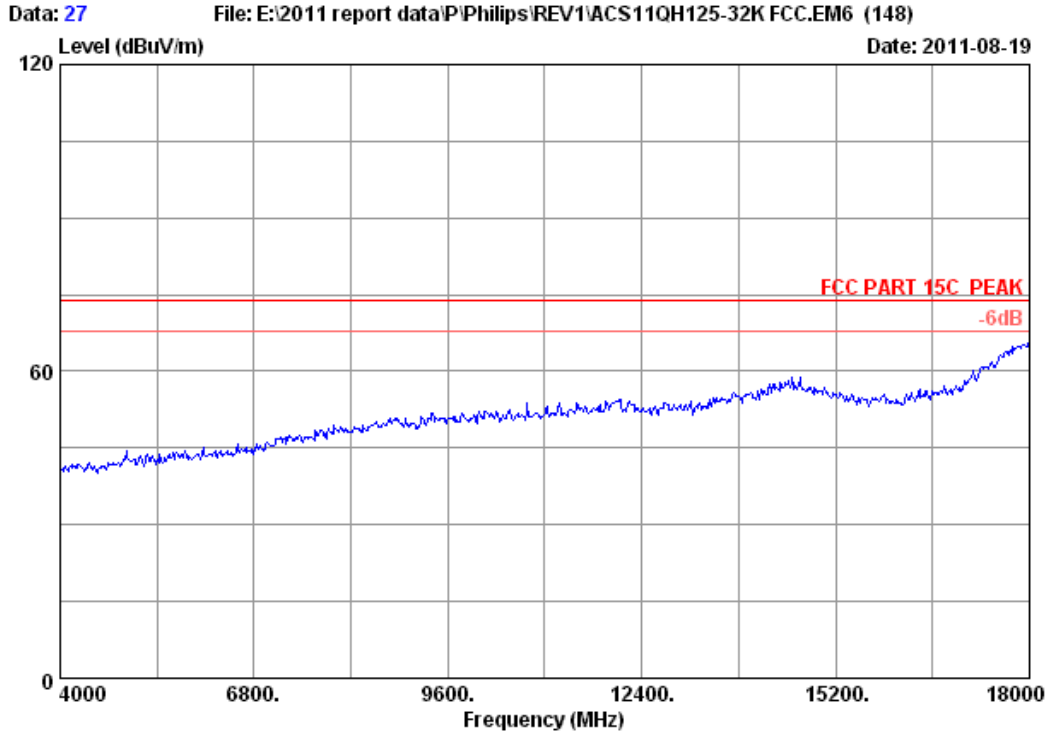
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Site no.      : 3m Chamber                Data no. : 24
Dis. / Ant.  : 3m 2011 3115 4580         Ant. pol. : VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%                  Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 8DPSK 2480MHz Tx
M/N          : SA3CNT32K/37
:
  
```

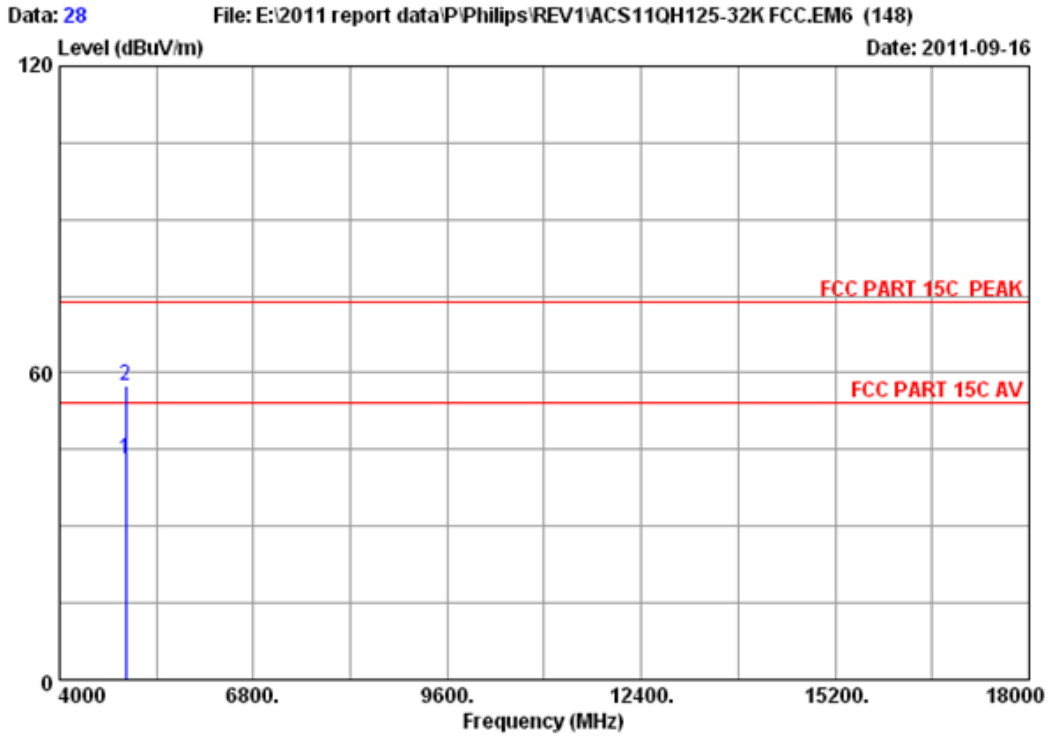
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1597.000	25.72	5.35	34.60	46.30	42.77	74.00	31.23	Peak
2	2480.000	28.08	6.87	34.45	90.76	91.26	74.00	-17.26	Peak

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. : 27
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect, WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2480MHz Tx
M/N : SA3CNT32K/37
:

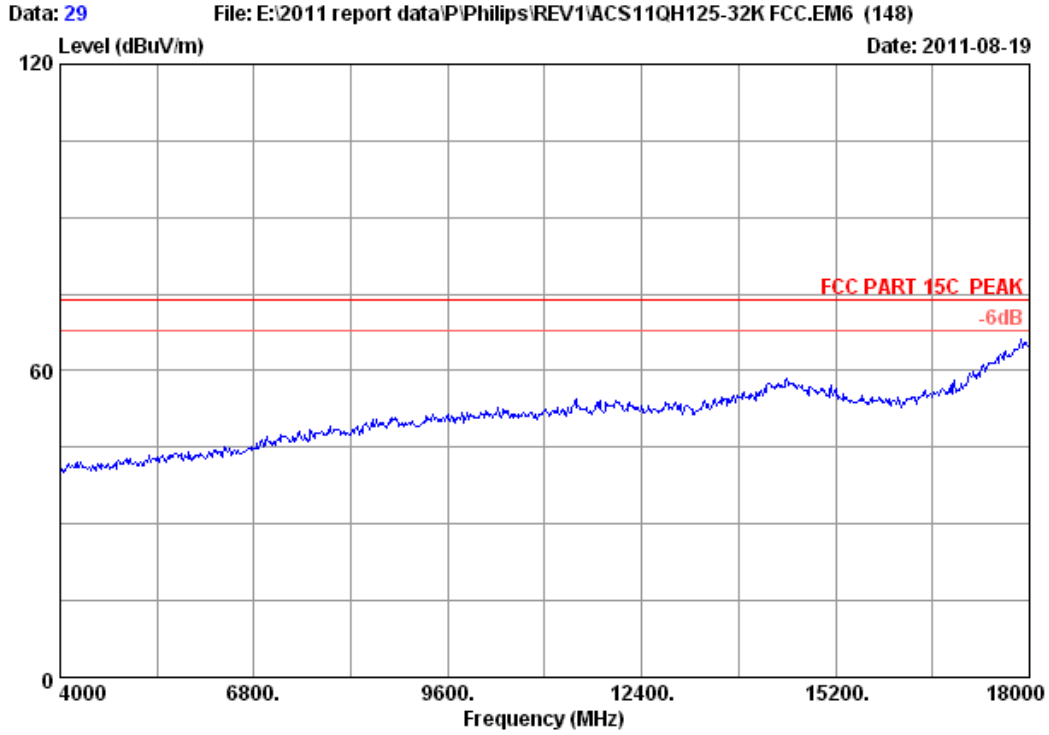


Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

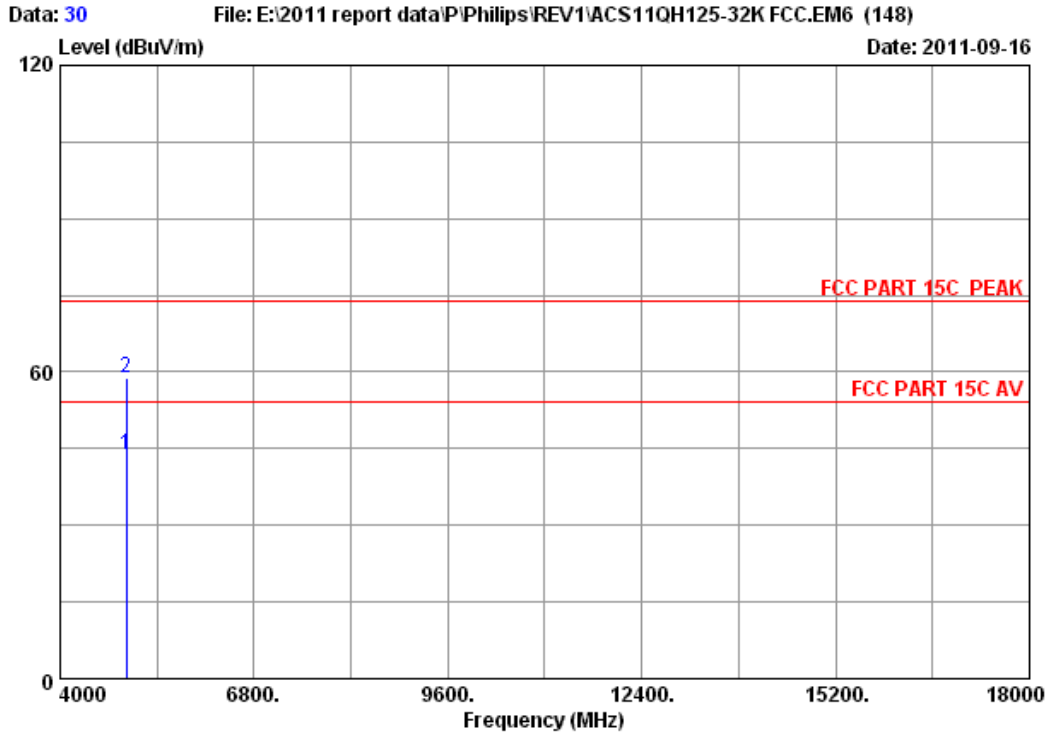
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.14	9.69	34.60	35.02	43.25	54.00	10.75	Average
2	4960.000	33.14	9.69	34.60	49.25	57.48	74.00	16.52	Peak

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.



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect, WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2480MHz Tx
M/N : SA3CNT32K/37
:

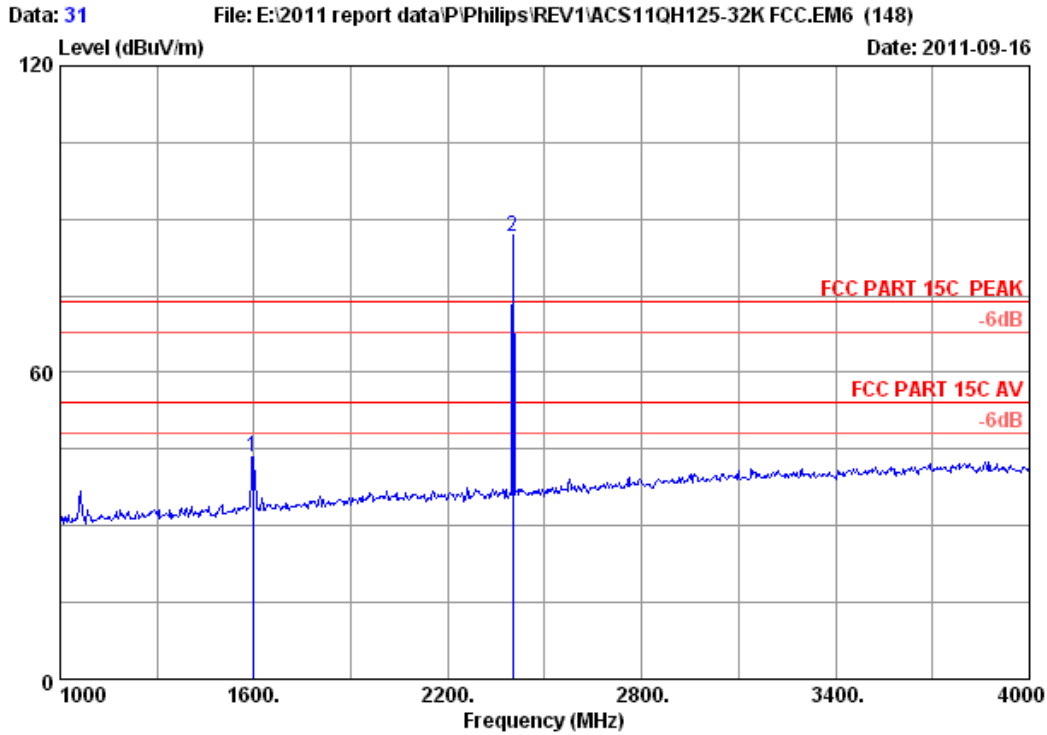


Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4960.000	33.14	9.69	34.60	35.57	43.80	54.00	10.20	Average
2	4960.000	33.14	9.69	34.60	50.68	58.91	74.00	15.09	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.



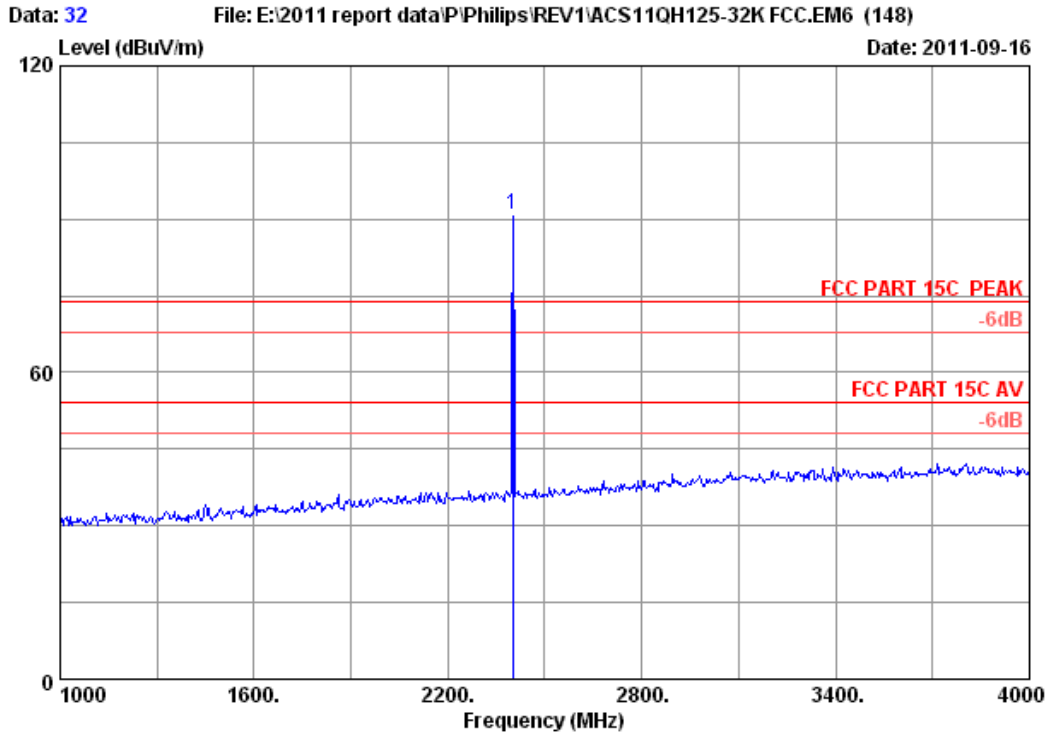
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Site no.      : 3m Chamber                Data no. : 31
Dis. / Ant.  : 3m 2011 3115 4580         Ant. pol.: VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%                  Engineer : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 8DPSK 2402MHz Tx
M/N          : SA3CNT32K/37
:
  
```

	Ant. 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	1596.000	25.72	5.35	34.60	46.92	43.39	74.00	30.61	Peak
2	2402.000	27.96	6.75	34.44	86.26	86.53	74.00	-12.53	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.



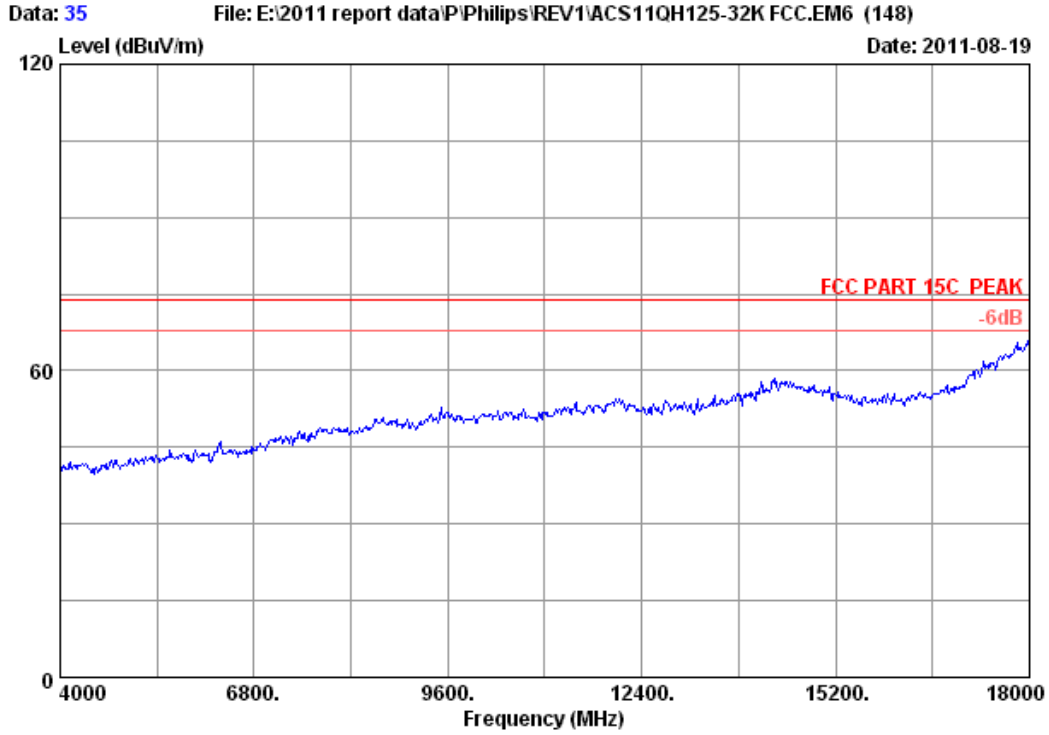
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Site no.      : 3m Chamber                Data no. : 32
Dis. / Ant.  : 3m 2011 3115 4580        Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%                 Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 8DPSK 2402MHz Tx
M/N          : SA3CNT32K/37
    
```

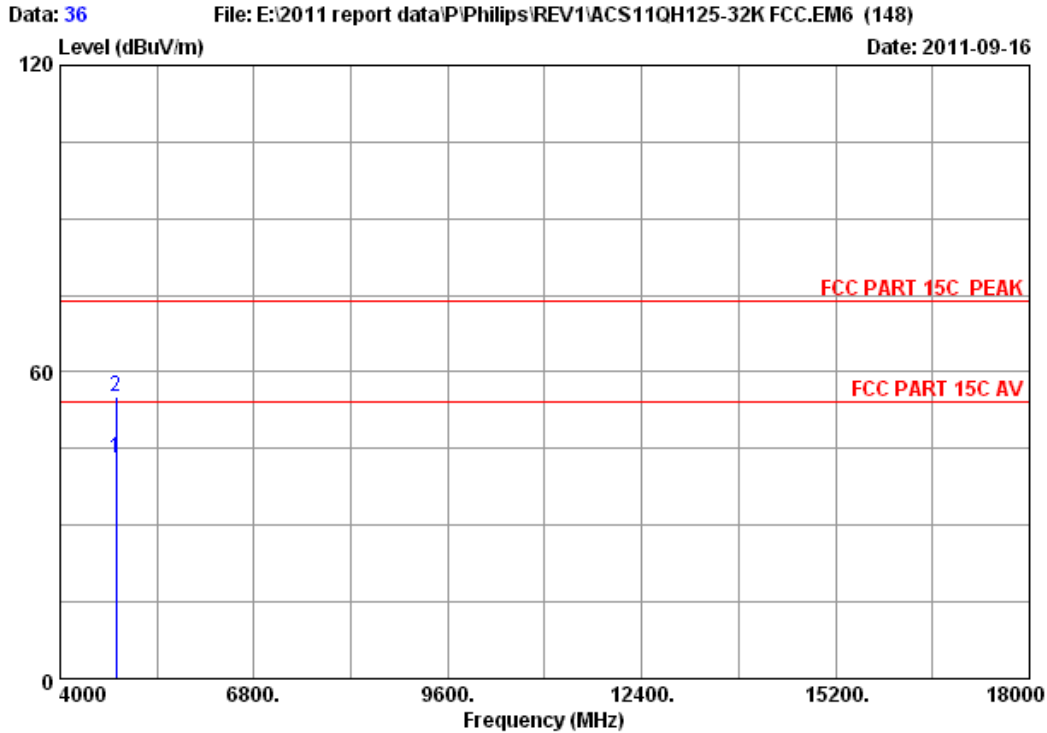
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2402.000	27.96	6.75	34.44	90.59	90.86	74.00	-16.86	Peak	

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. : 35
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect, WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2402MHz Tx
M/N : SA3CNT32K/37
:

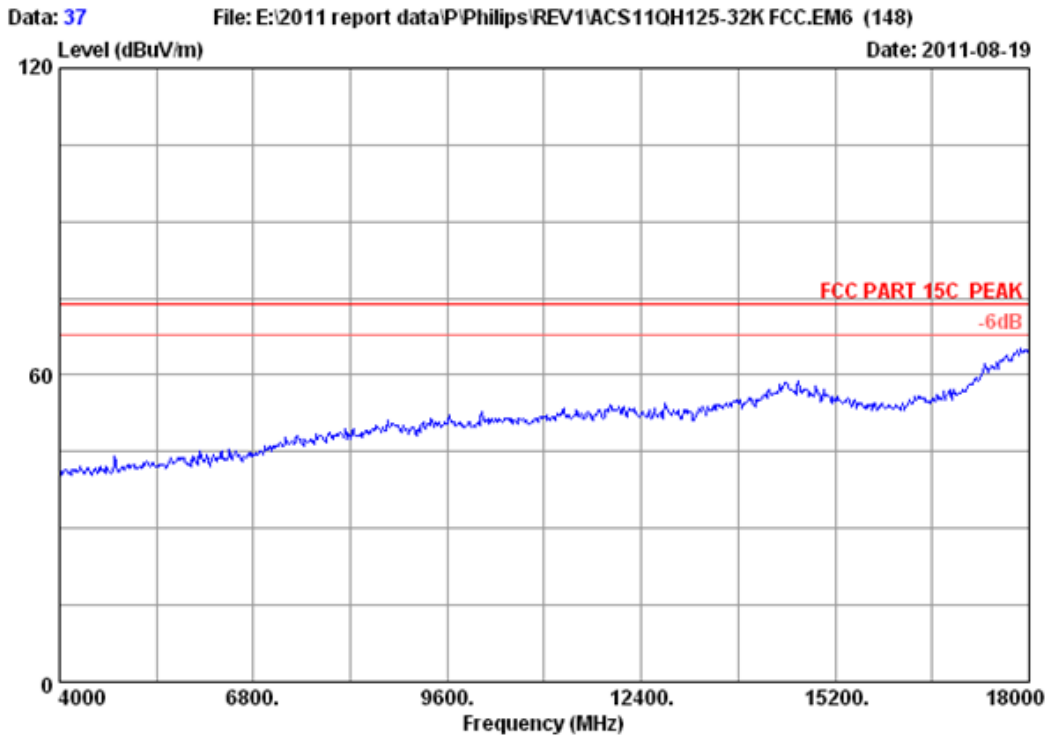


Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

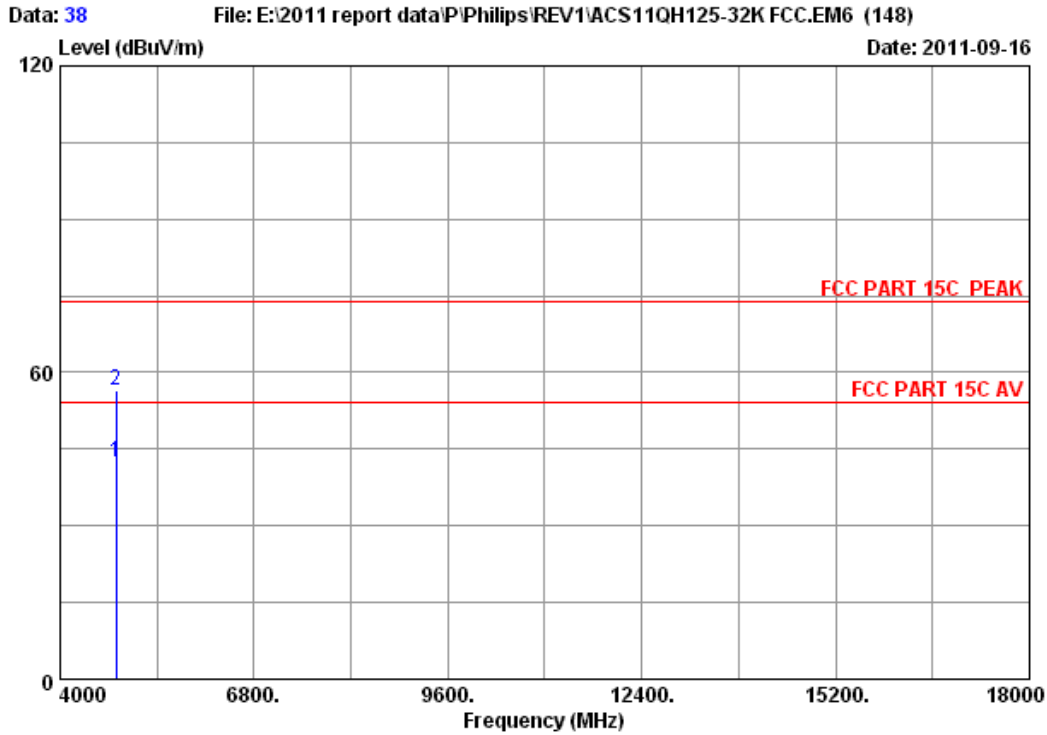
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4804.000	32.86	9.55	34.60	35.36	43.17	54.00	10.83	Average	
2 4804.000	32.86	9.55	34.60	47.36	55.17	74.00	18.83	Peak	

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. : 37
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2402MHz Tx
M/N : SA3CNT32K/37
:



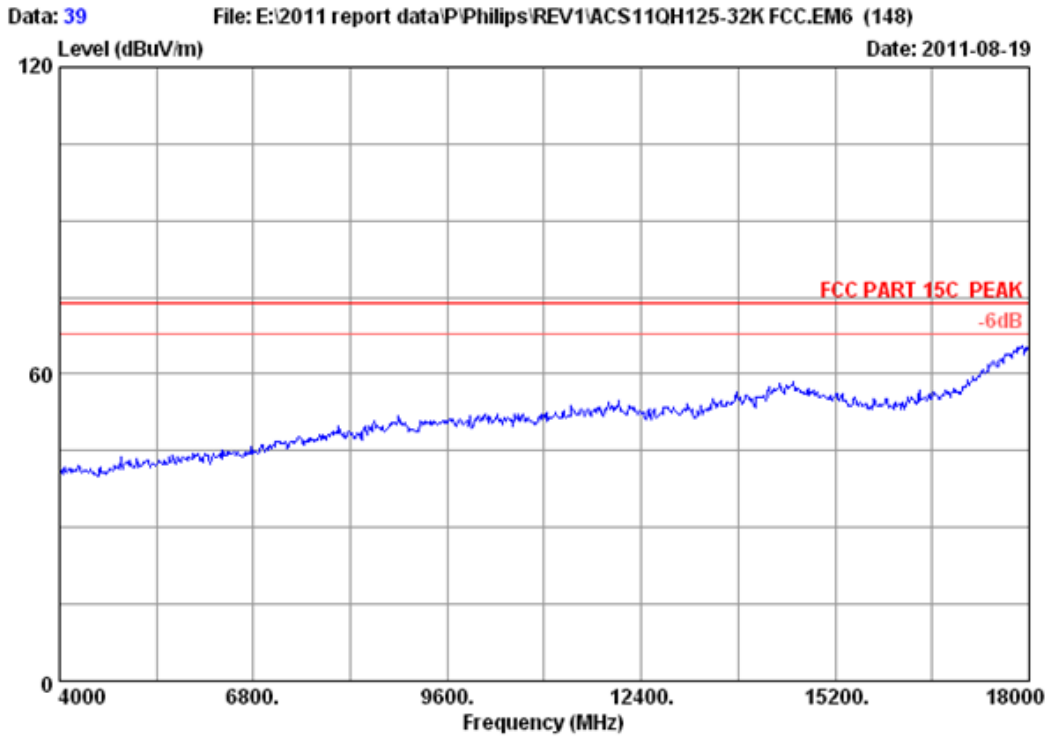
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Site no.      : 3m Chamber                Data no. : 38
Dis. / Ant.   : 3m 2011 3115 4580        Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%                 Engineer  : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode     : 8DPSK 2402MHz Tx
M/N          : SA3CNT32K/37
    
```

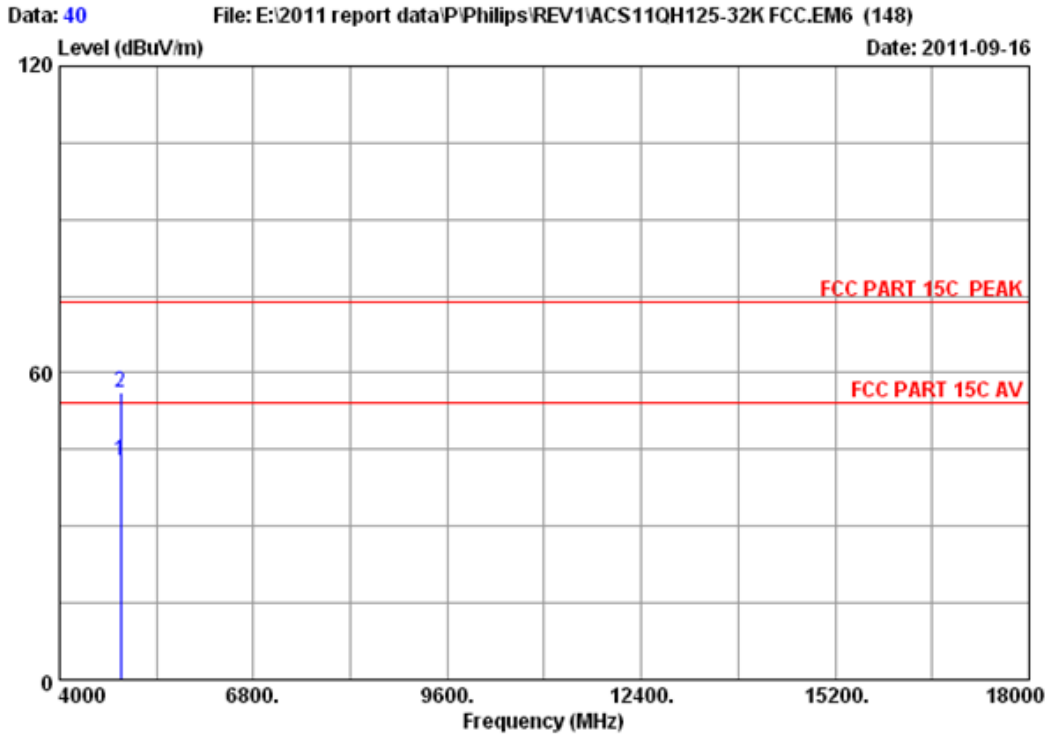
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 4804.000	32.86	9.55	34.60	34.59	42.40	54.00	11.60	Average	
2 4804.000	32.86	9.55	34.60	48.53	56.34	74.00	17.66	Peak	

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. : 39
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2441MHz Tx
M/N : SA3CNT32K/37
:

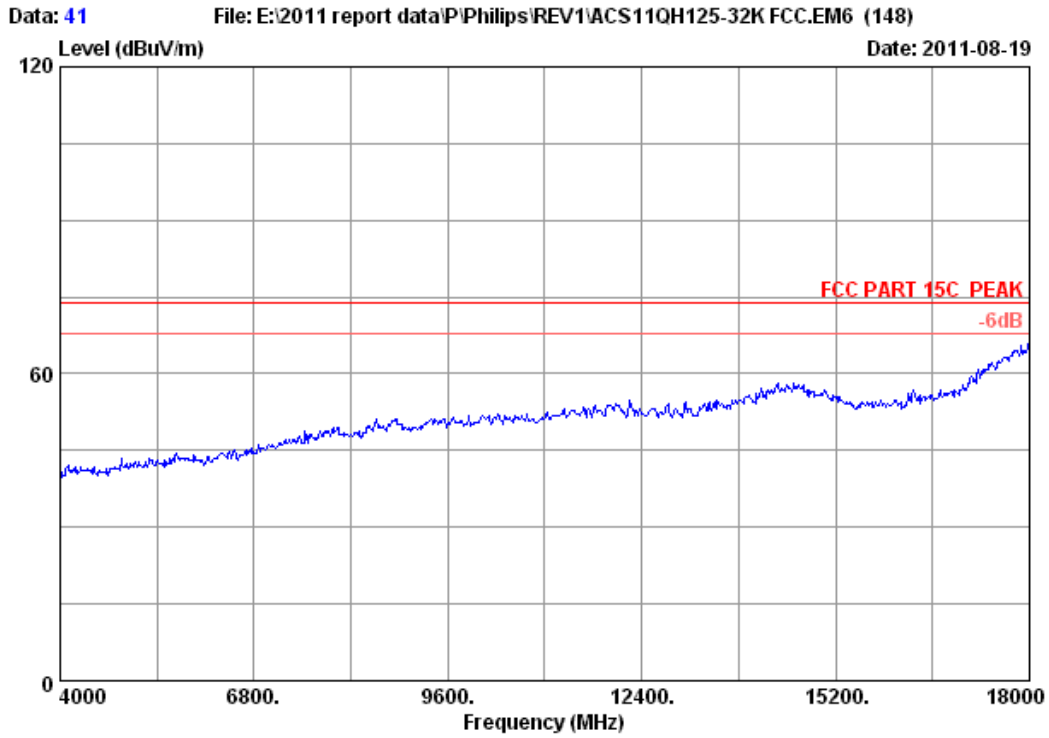


Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

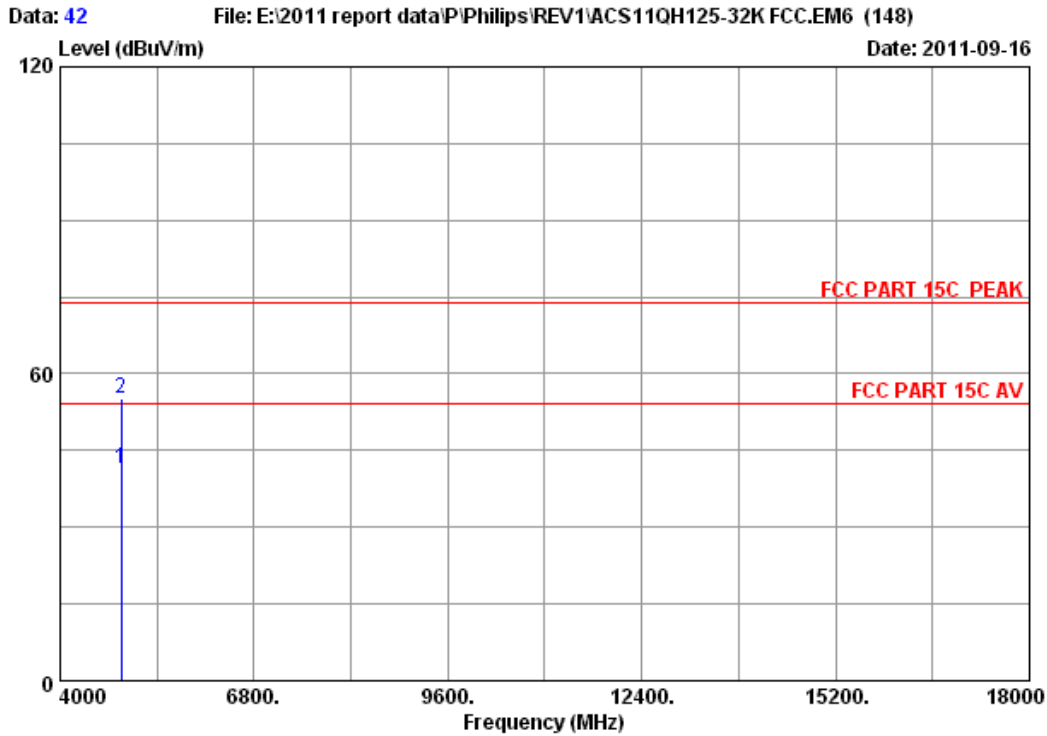
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.98	9.62	34.60	34.62	42.62	54.00	11.38	Average
2	4882.000	32.98	9.62	34.60	48.12	56.12	74.00	17.88	Peak

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.



Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : GoGear Connect,WiFi MP3 Player
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 8DPSK 2441MHz Tx
M/N : SA3CNT32K/37
:

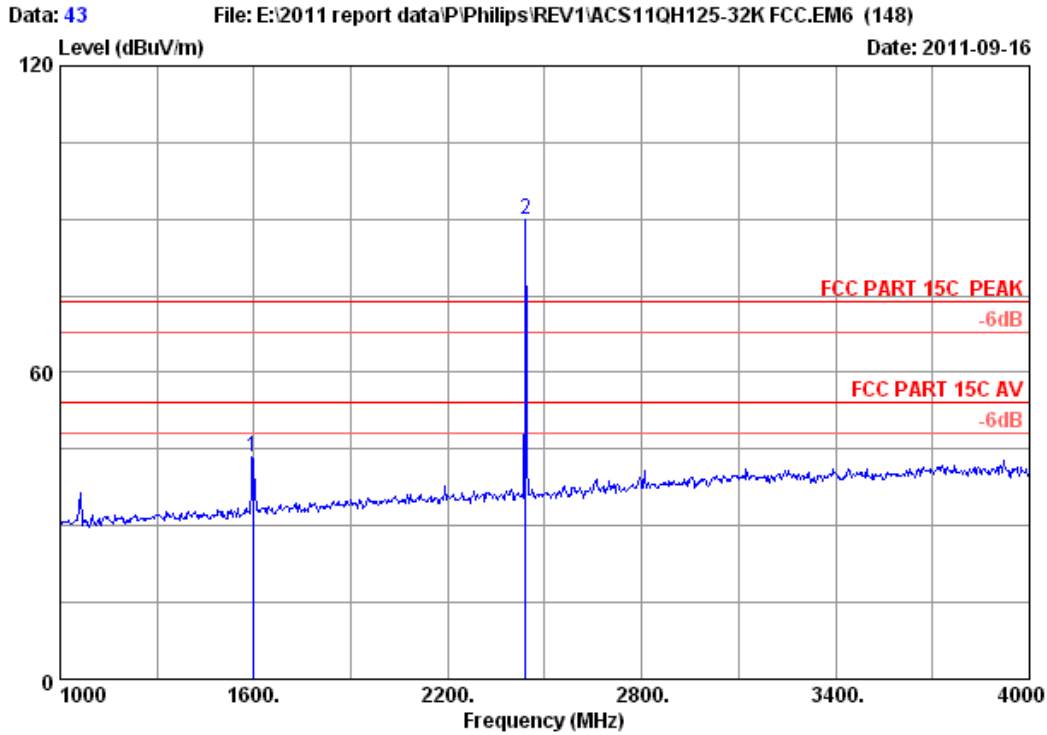


Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

	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	4882.000	32.98	9.62	34.60	33.56	41.56	54.00	12.44	Average
2	4882.000	32.98	9.62	34.60	47.26	55.26	74.00	18.74	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.



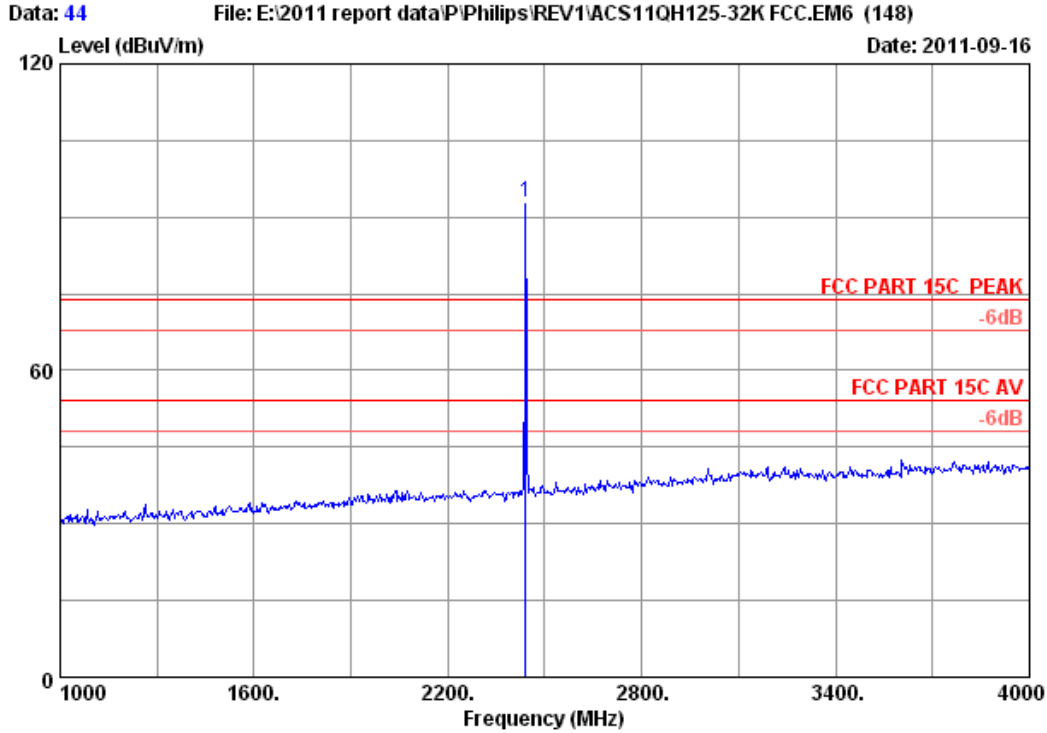
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Site no.      : 3m Chamber                Data no. : 43
Dis. / Ant.  : 3m 2011 3115 4580         Ant. pol. : VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23*C/54%                  Engineer  : Leo-Li
EUT         : GoGear Connect,WiFi MP3 Player
Power       : DC 5V From PC Input AC 120V/60Hz
Test mode   : 8DPSK 2441MHz Tx
M/N        : SA3CNT32K/37
    
```

	Ant. 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	1596.000	25.72	5.35	34.60	47.12	43.59	74.00	30.41	Peak
2	2441.000	28.03	6.81	34.44	89.67	90.07	74.00	-16.07	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. : 44
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2441MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2441.000	28.03	6.81	34.44	92.45	92.85	74.00	-18.85	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.

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.08,11	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,11	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	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

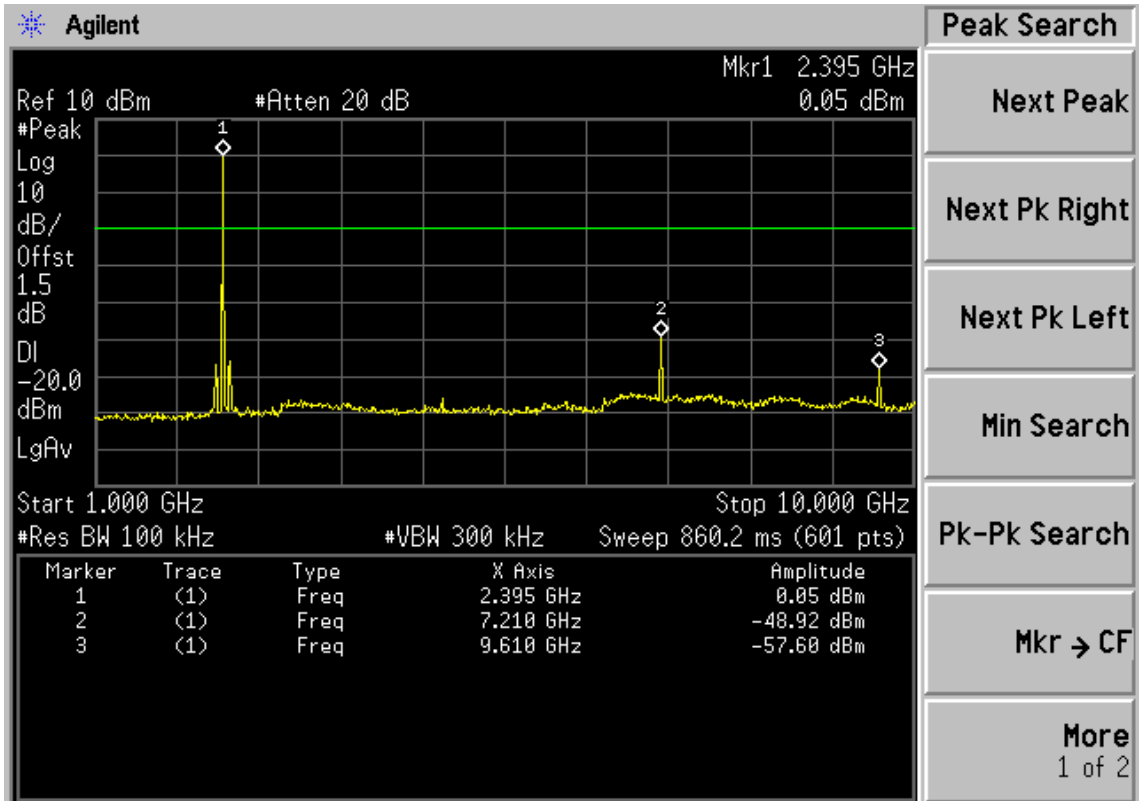
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

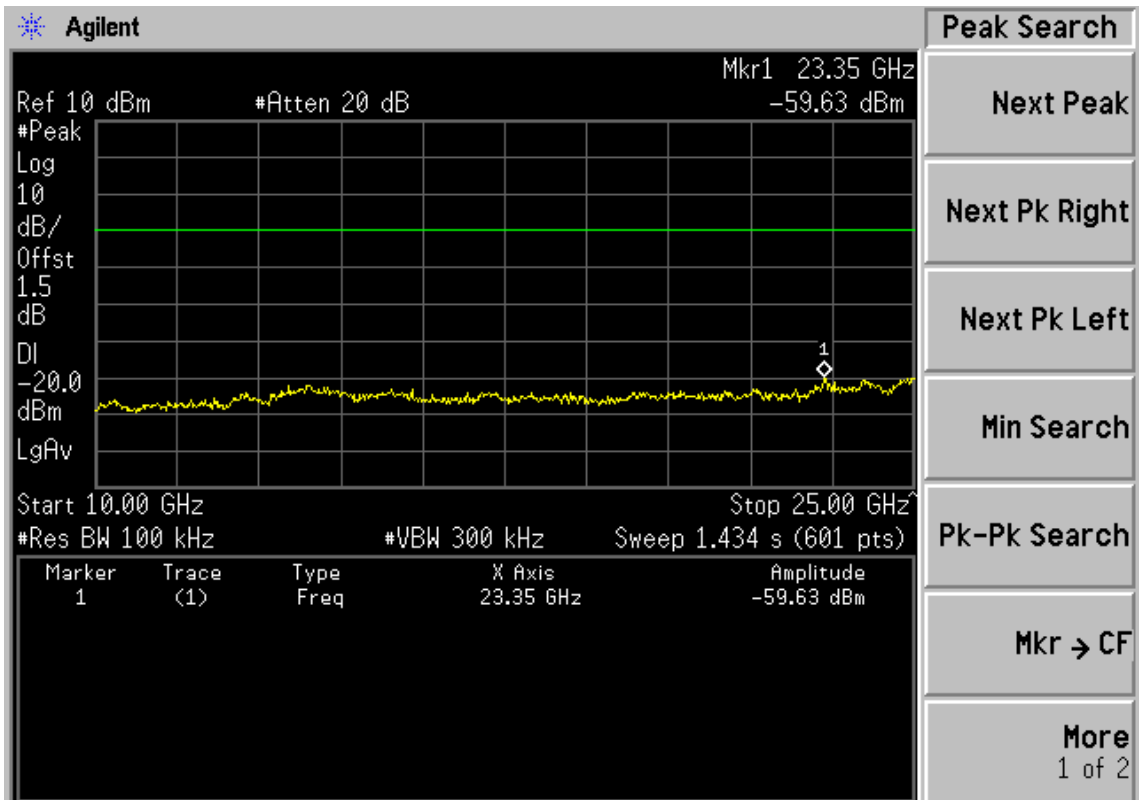
PASS (The testing data was attached in the next pages.)

GFSK

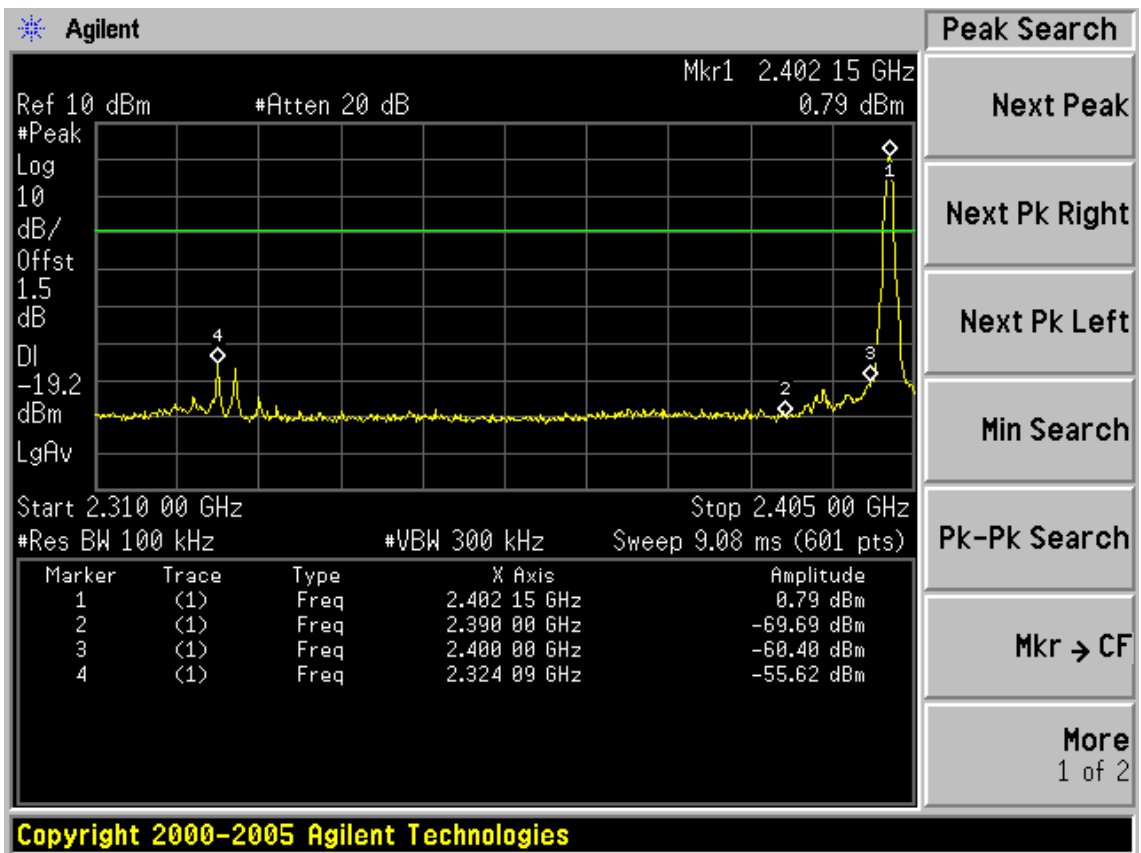
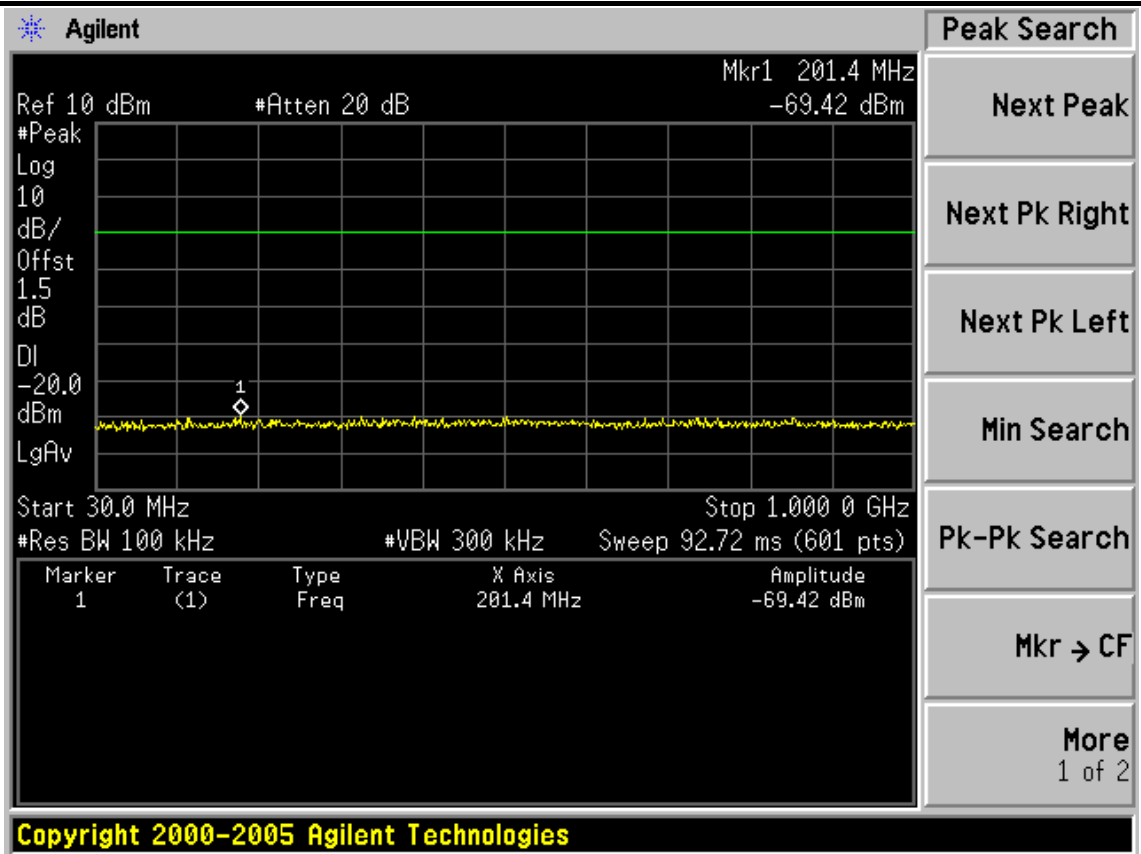
2402

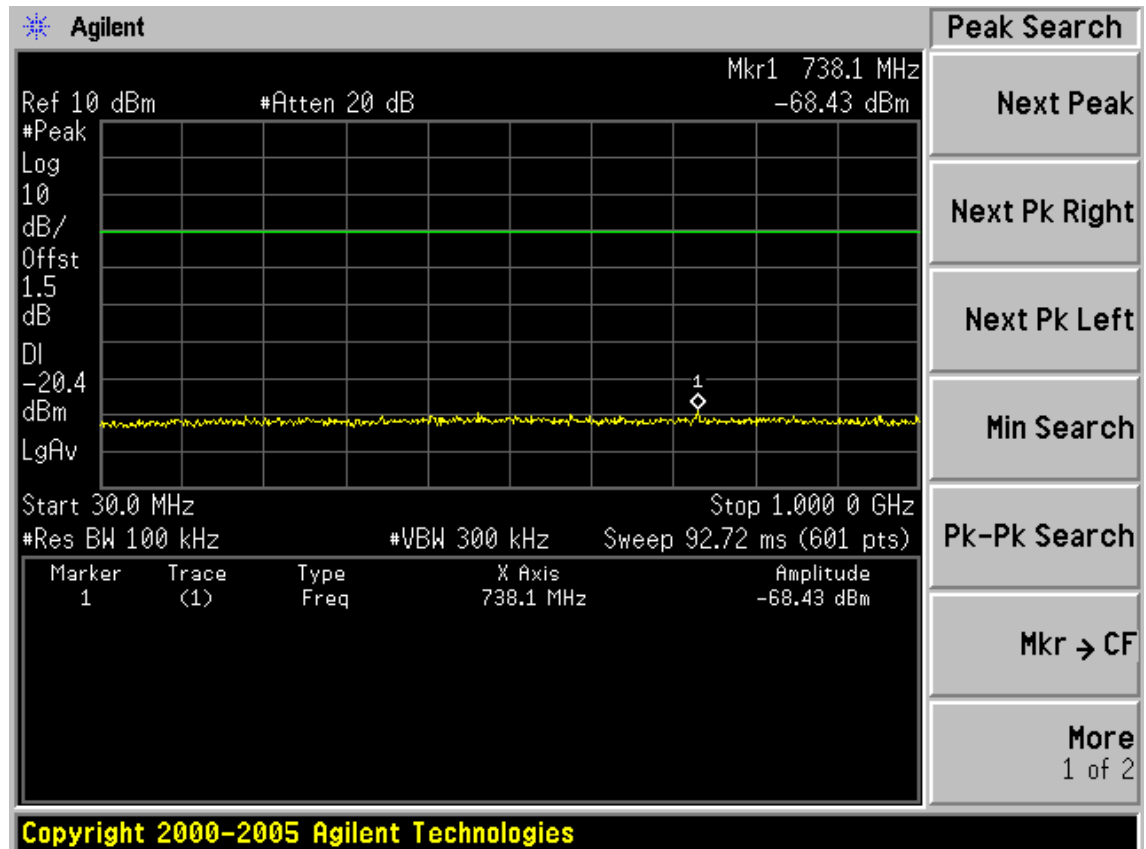
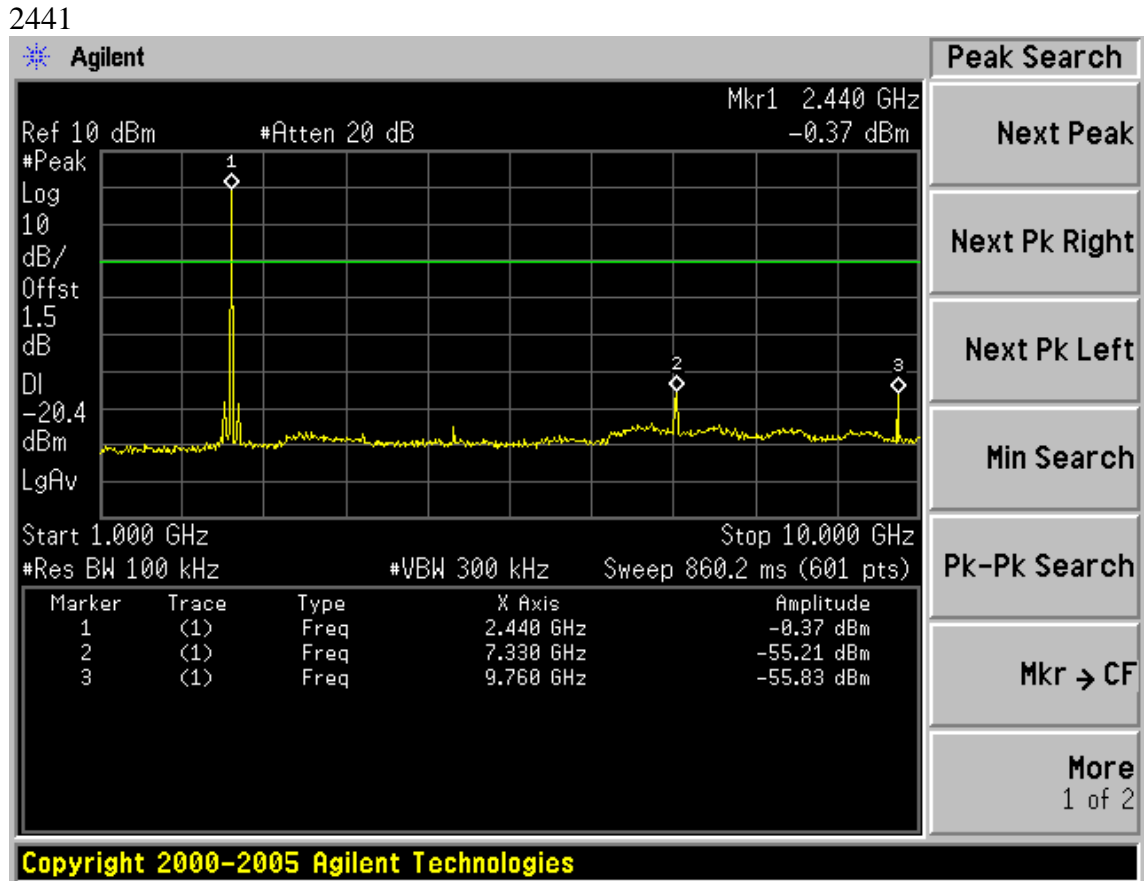


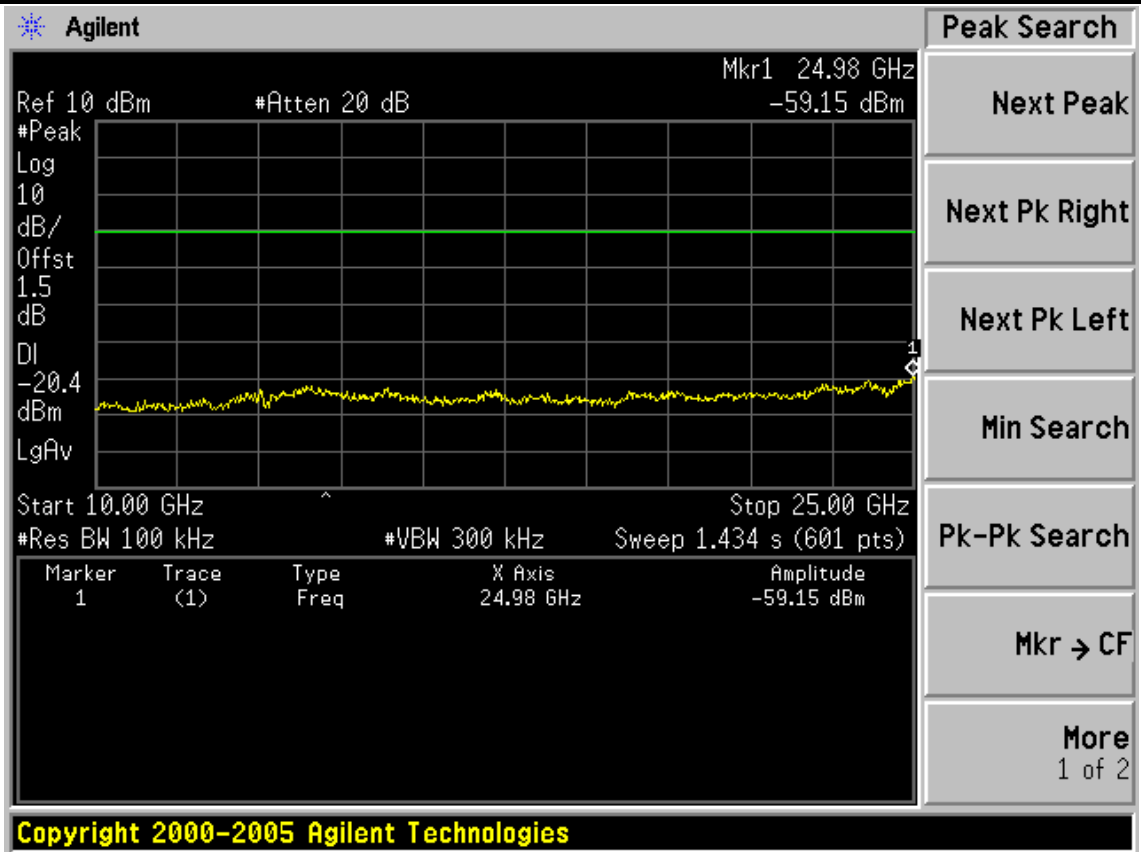
Copyright 2000-2005 Agilent Technologies



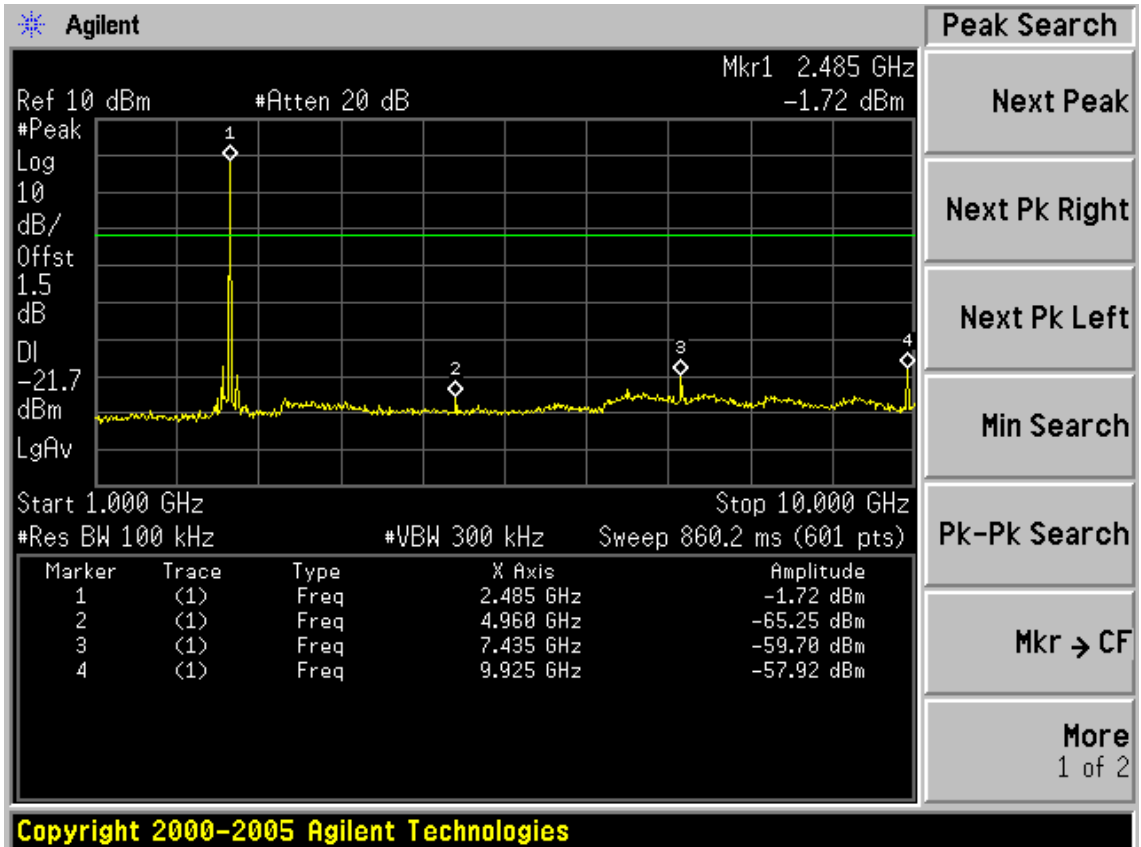
Copyright 2000-2005 Agilent Technologies

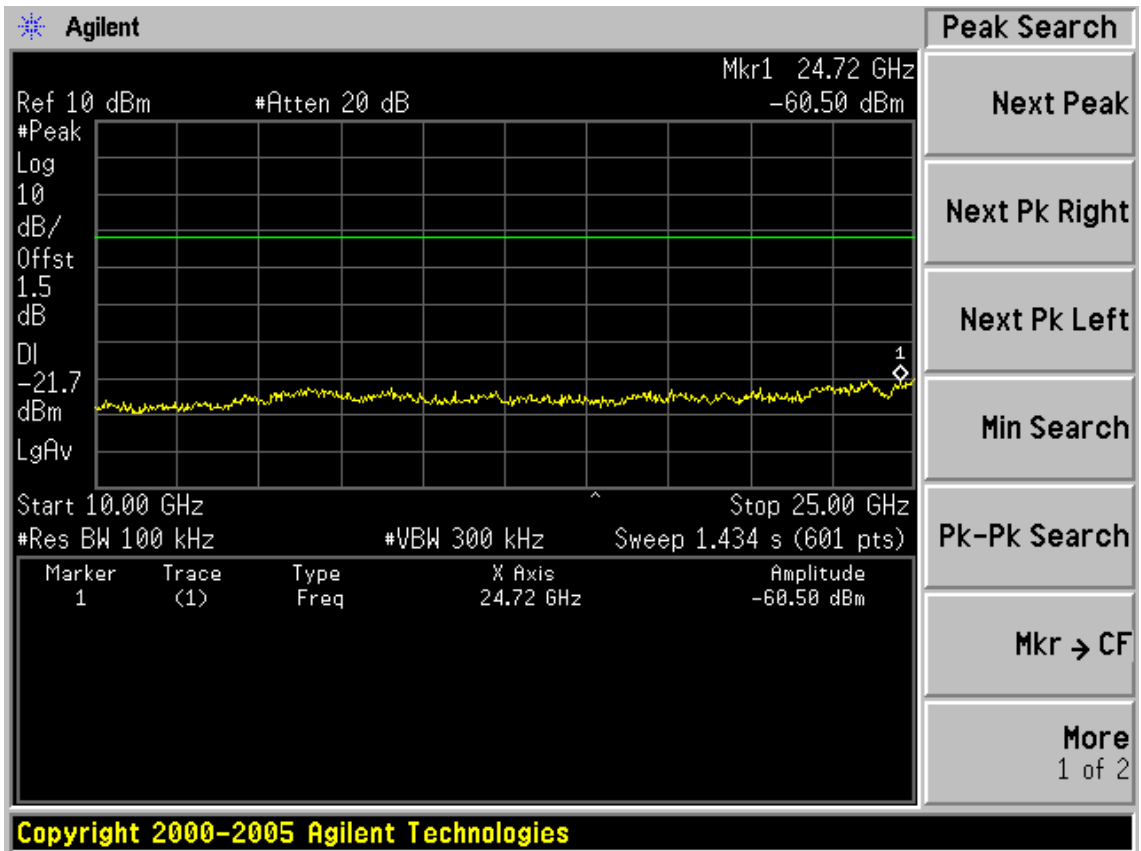
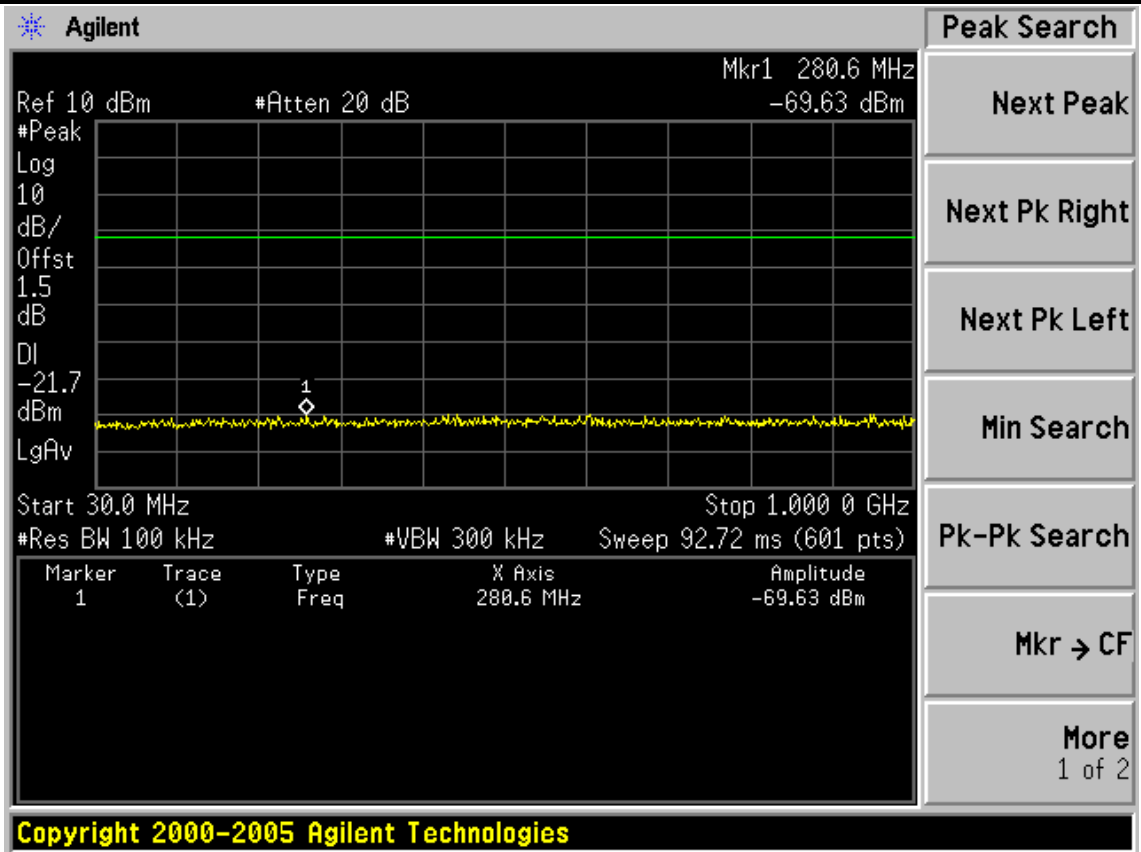


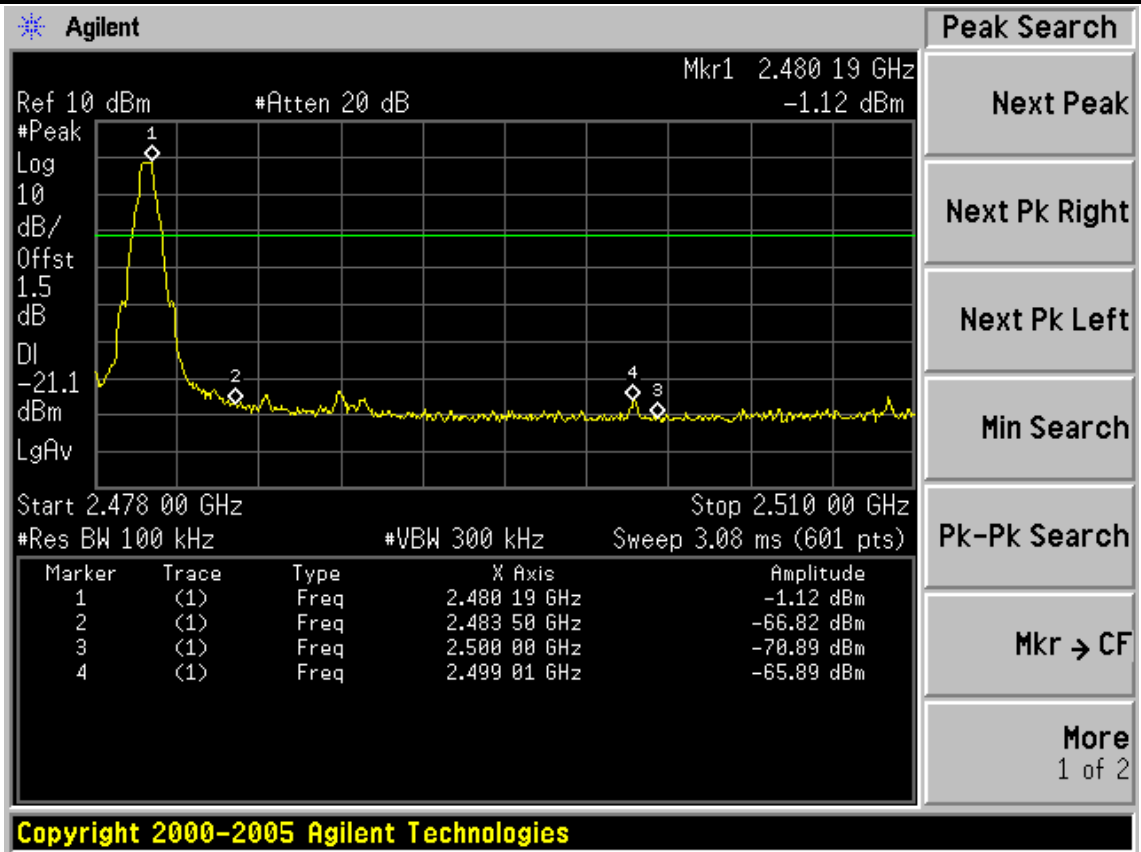




2480

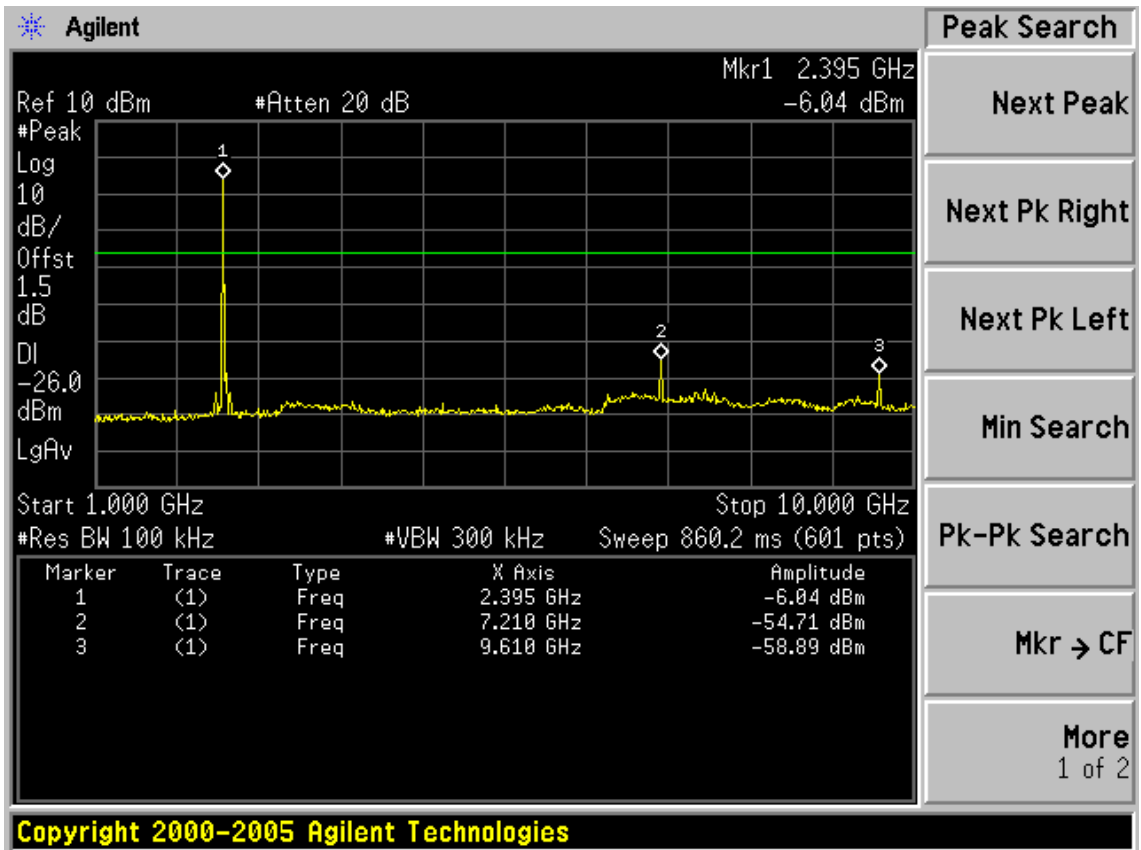


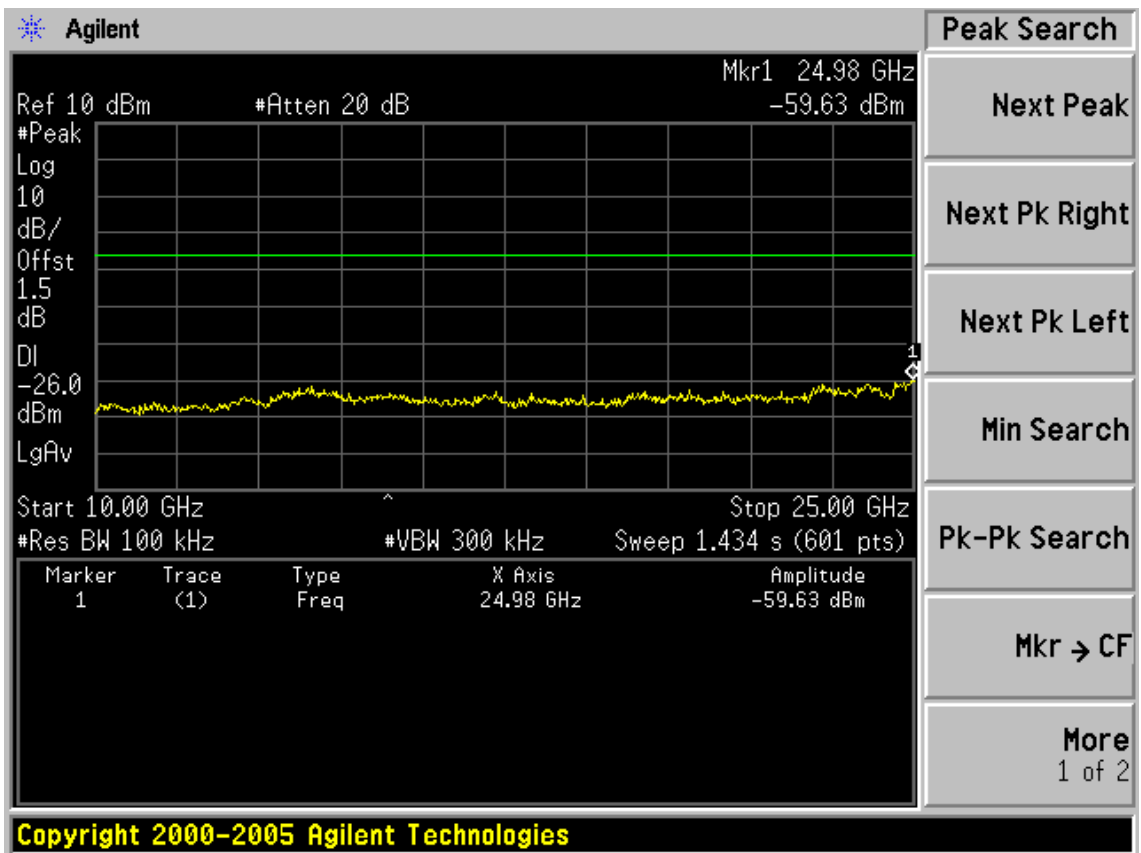
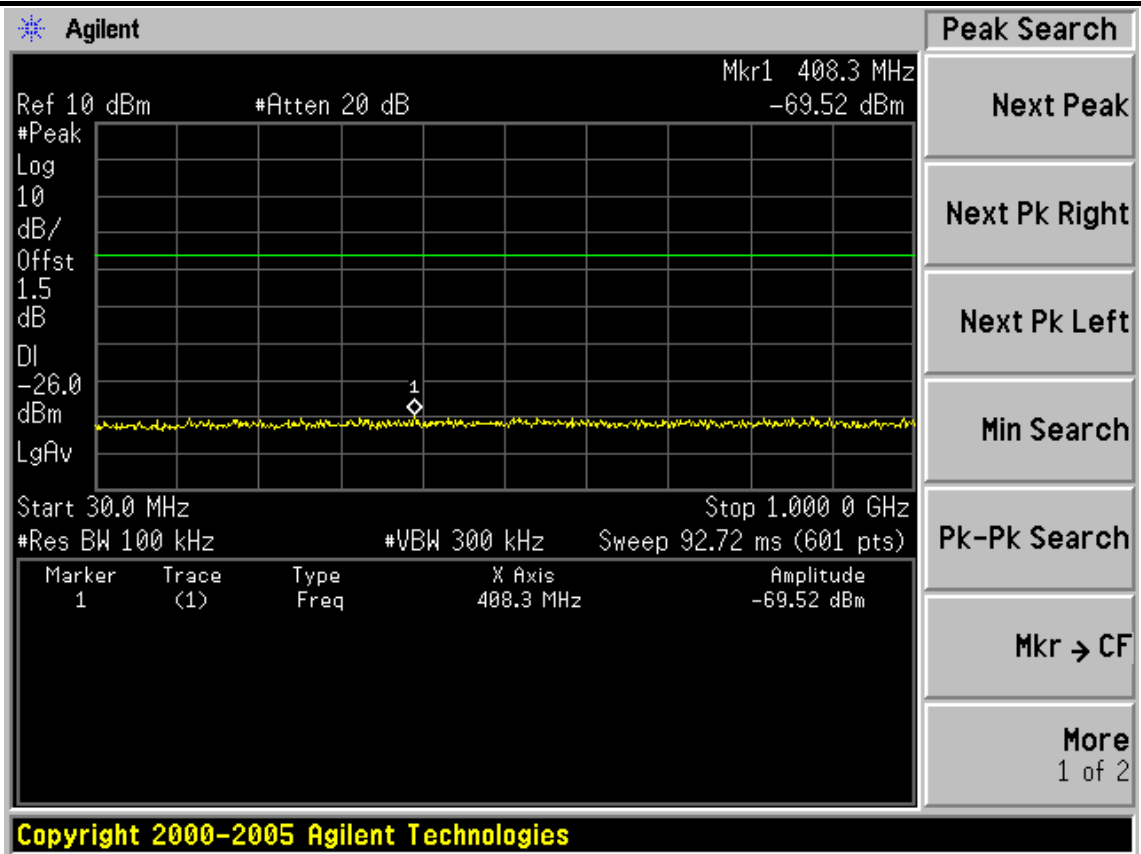


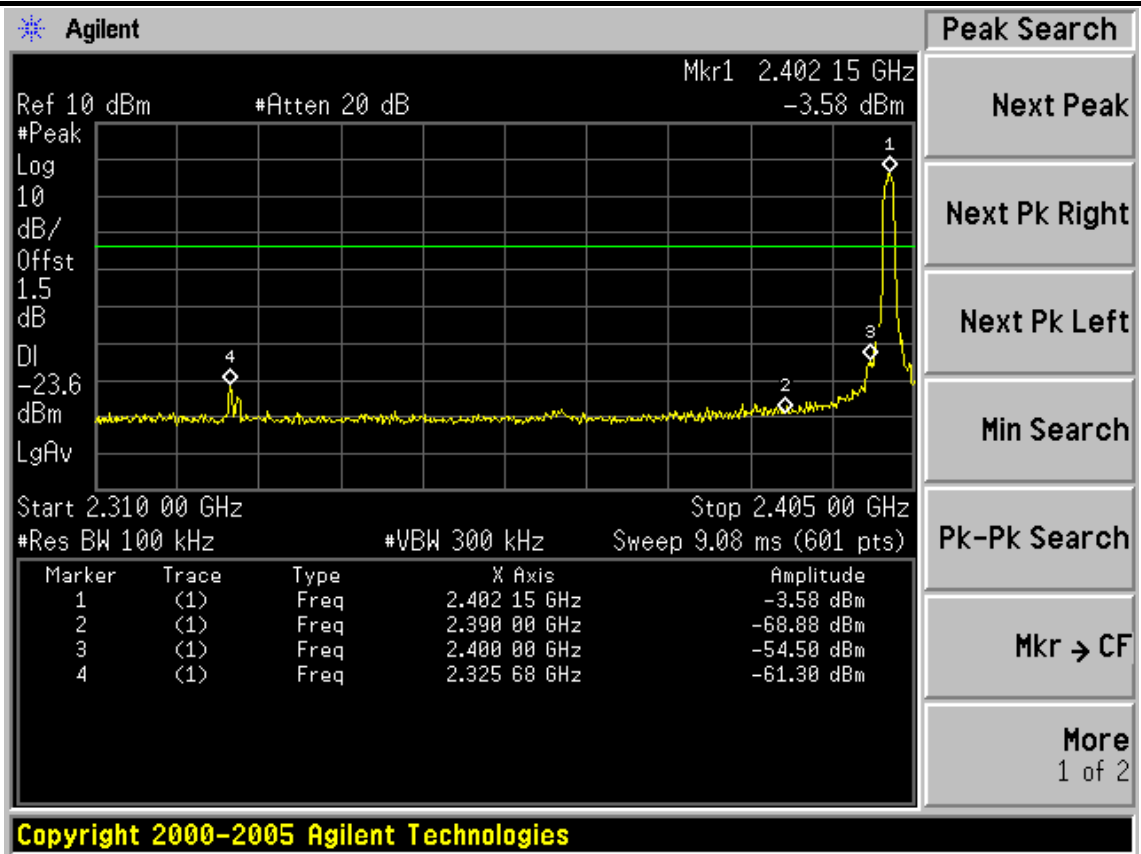


8DPSK

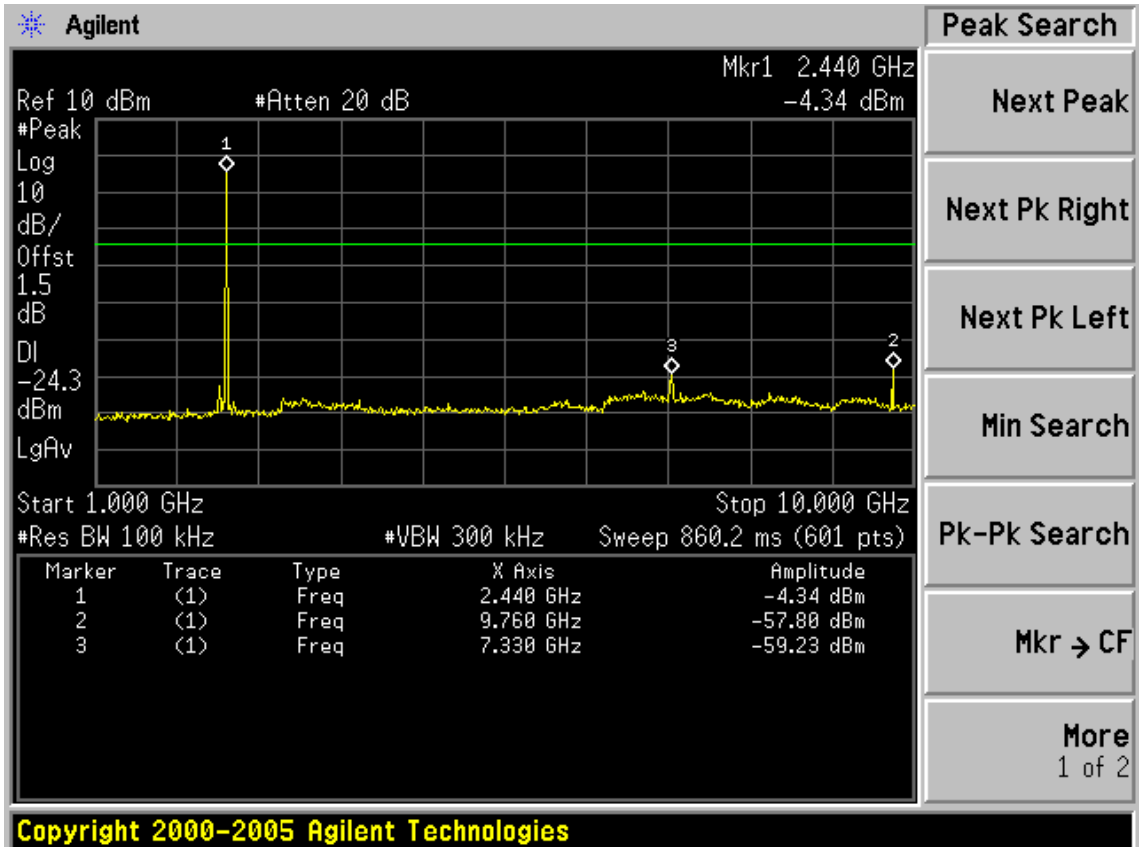
2402

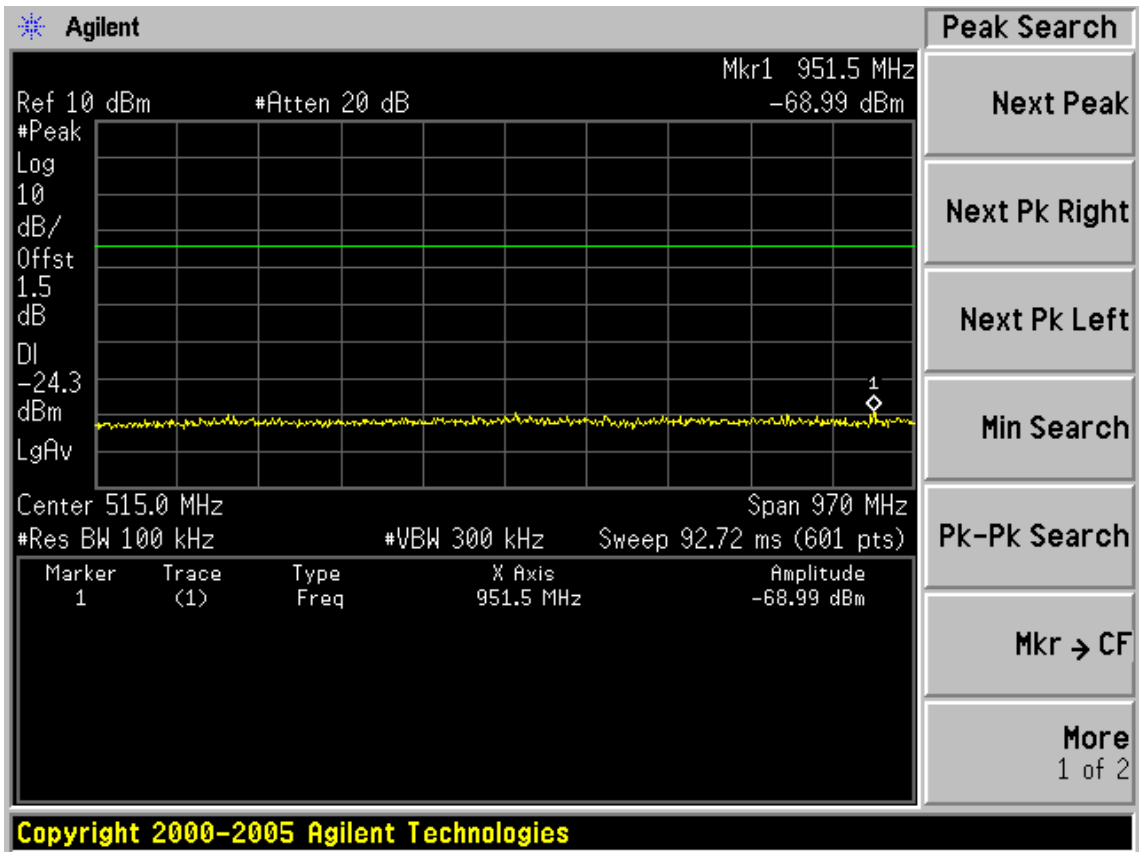
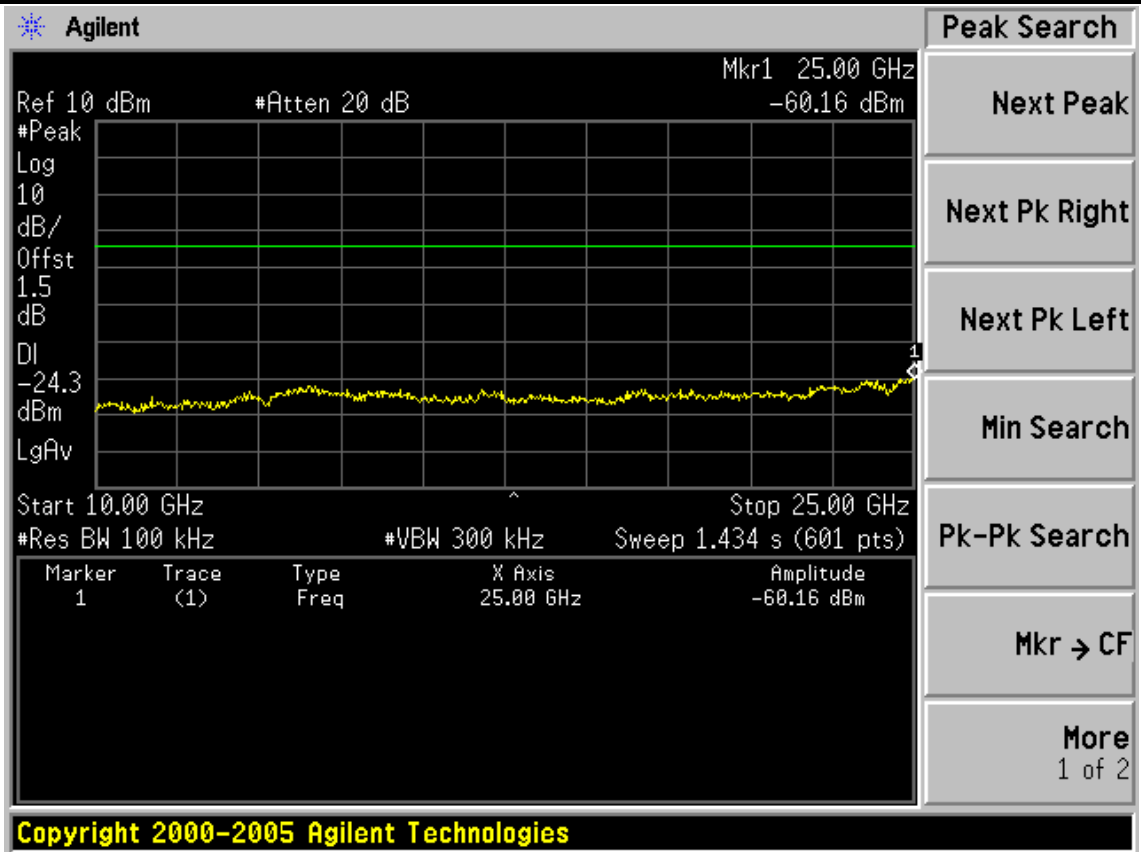


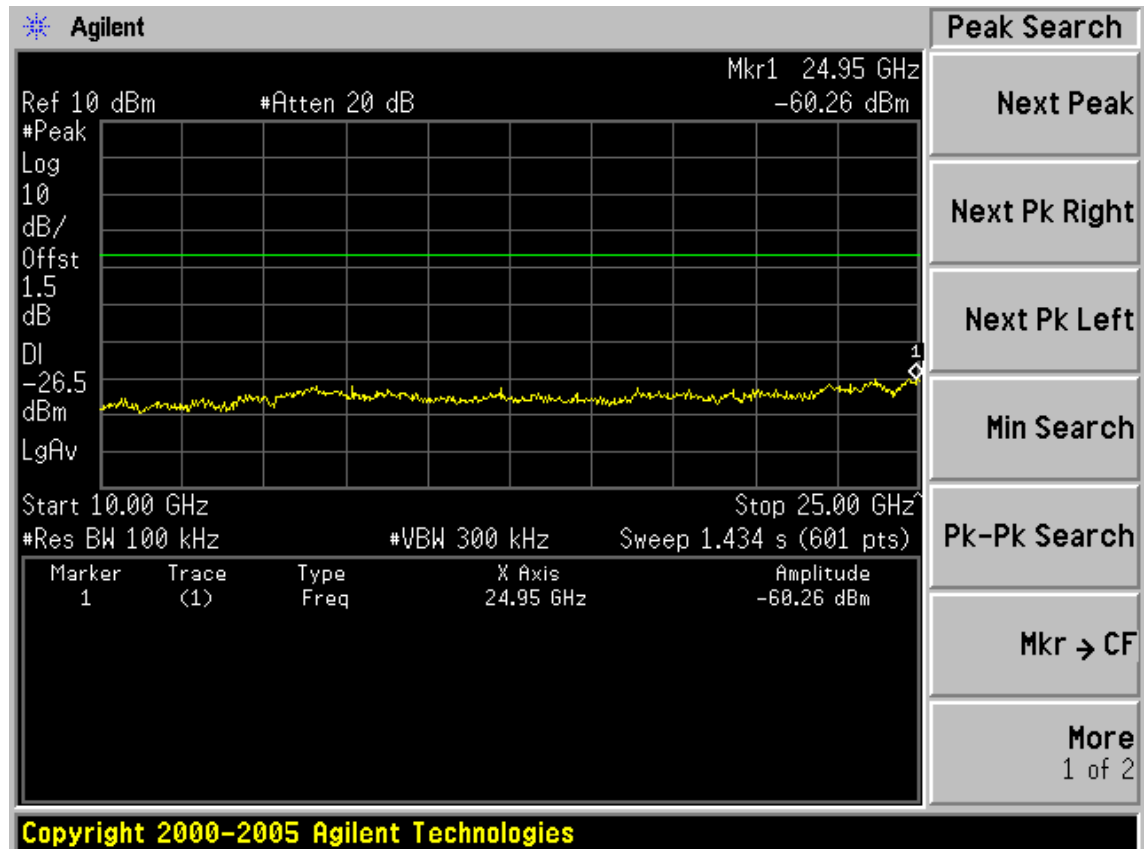
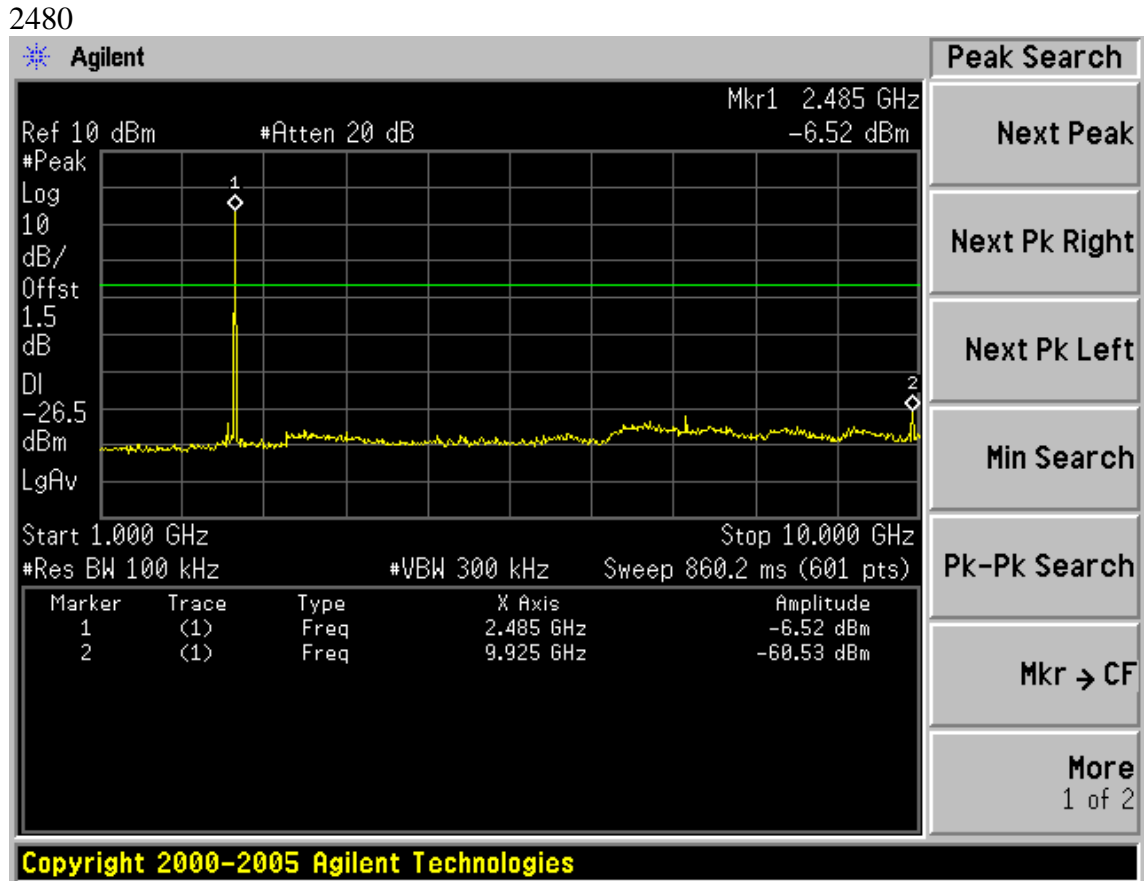


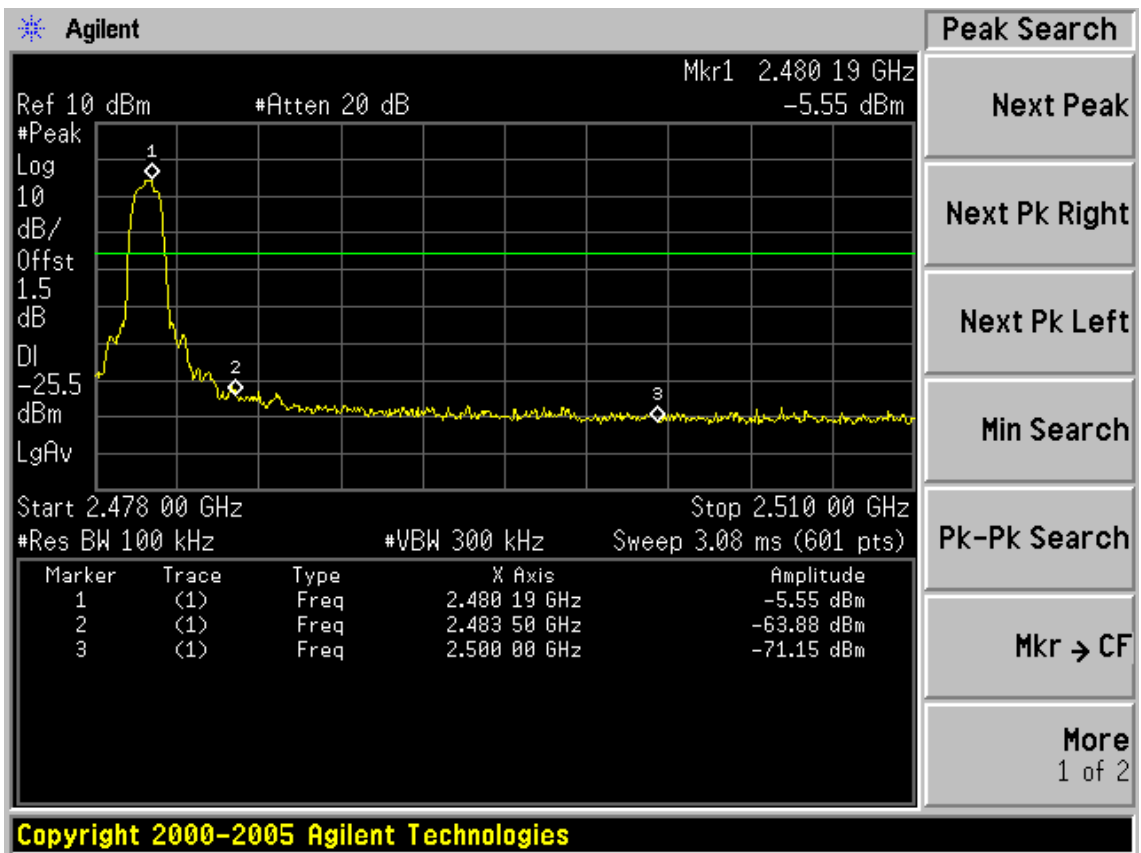
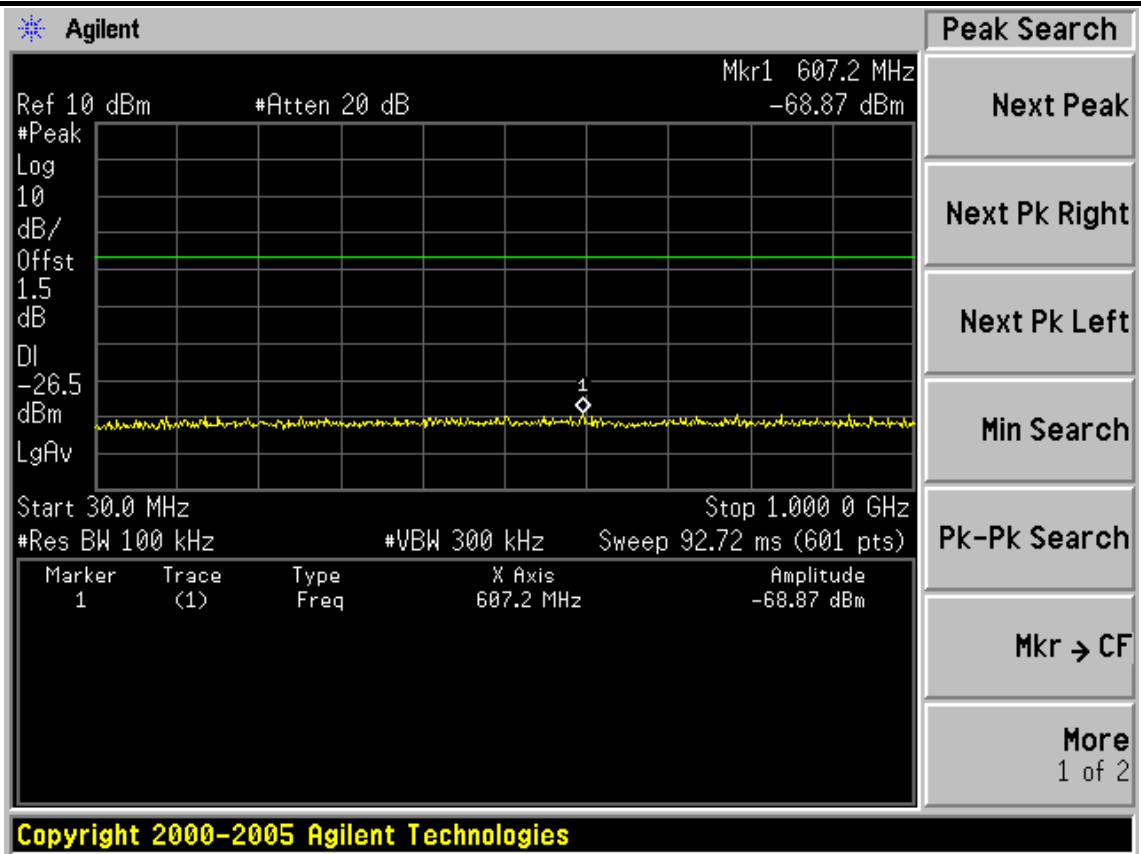


2442









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, 11	1 Year

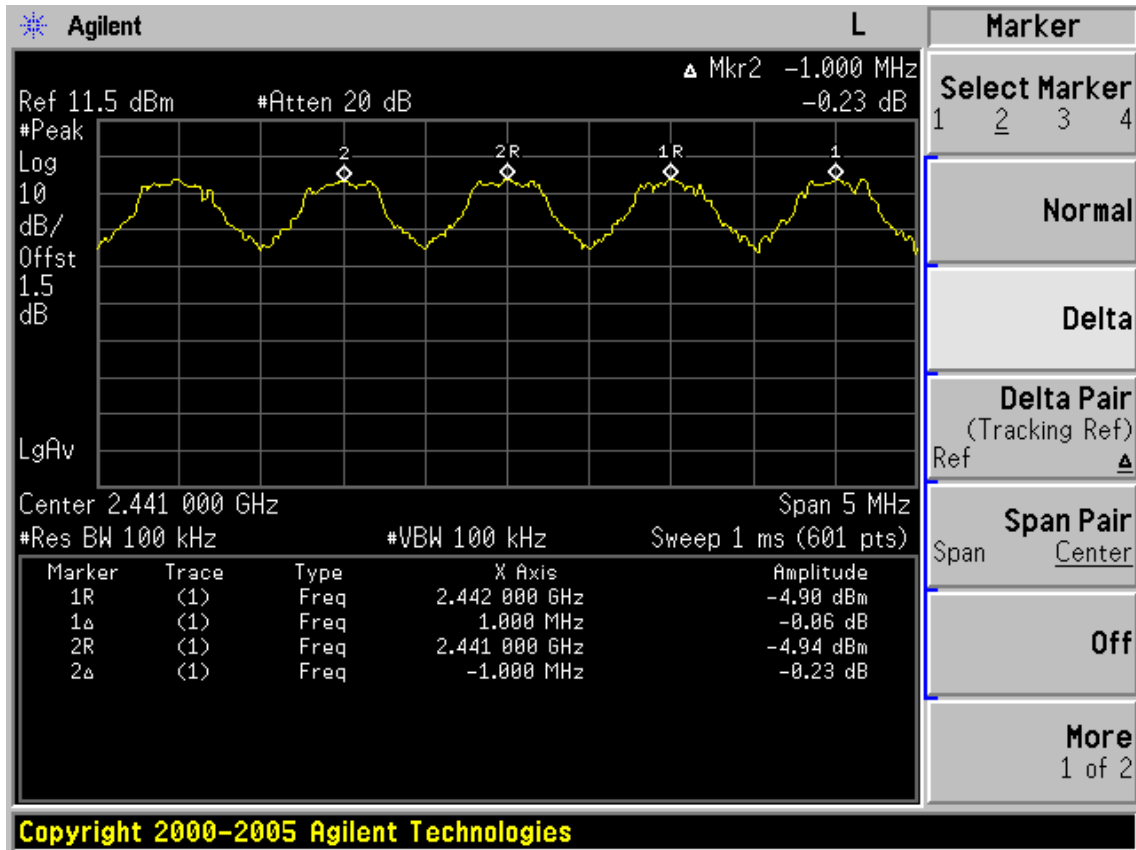
6.2. Limit

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: GoGear Connect, WiFi MP3 Player		
M/N: SA3CNT32K/37		
Test date:2011-08-31	Pressure: 100.4kPa	Humidity: 55%
Tested by: Leo-Li	Test site: RF site	Temperature:24 °C

Test Mode	Channel separation	Conclusion
8-DPSK	1.0MHz	PASS
GFSK	1.0MHz	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.08,11	1 Year

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.

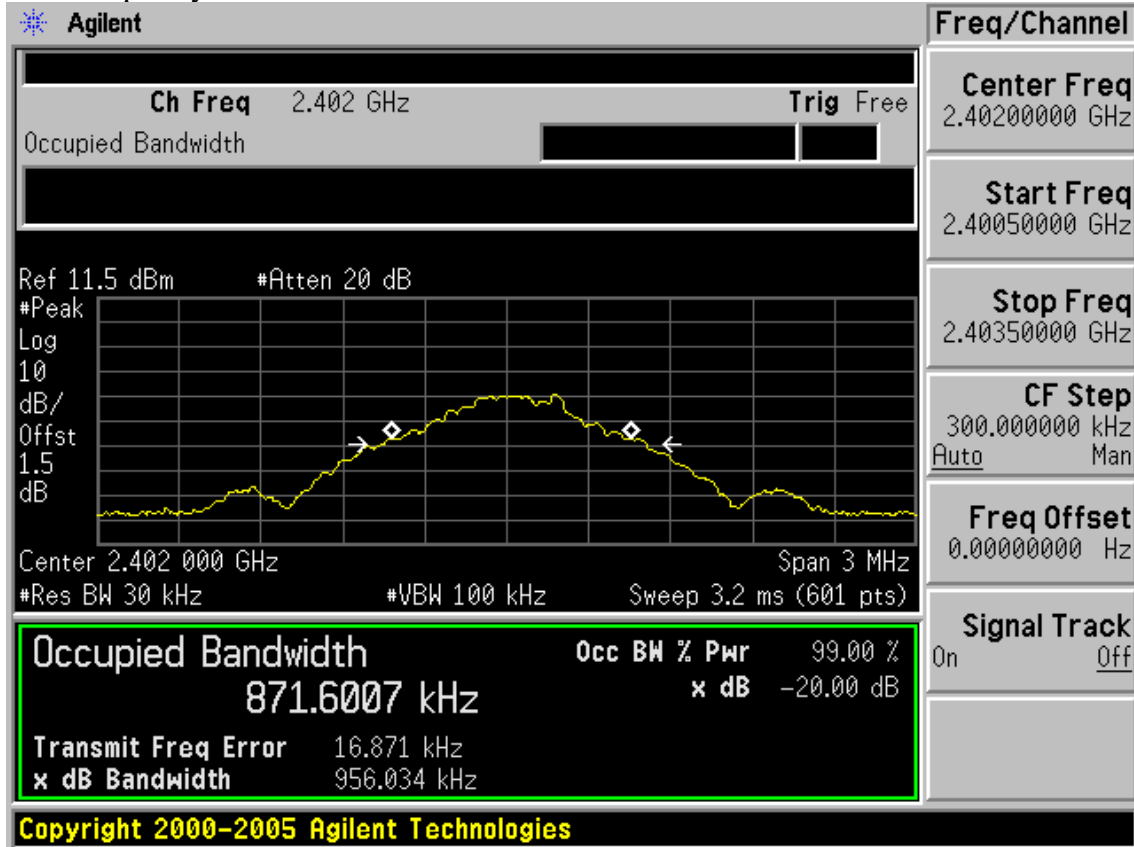
7.3. Test Results

EUT: GoGear Connect, WiFi MP3 Player		
M/N:SA3CNT32K/37		
Test date: 2011-08-30	Pressure: 100.7 kpa	Humidity: 54.2%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.1 °C

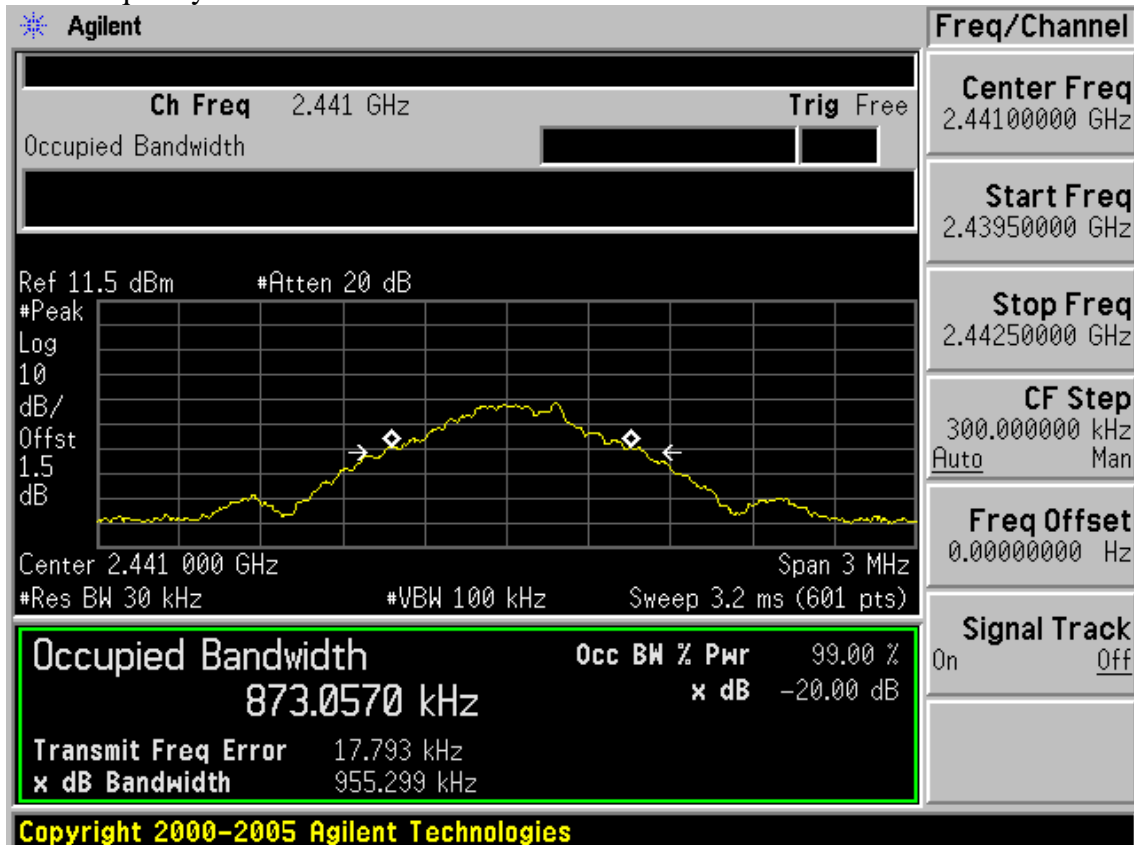
Cable loss: 1.50 dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	20dB bandwidth (MHz)	Limit (KHz)
GFSK	2402	0.956034	N/A
	2441	0.955299	N/A
	2480	0.955537	N/A
8DPSK	2402	1.303	N/A
	2441	1.303	N/A
	2480	1.303	N/A
Conclusion : PASS			

GFSK

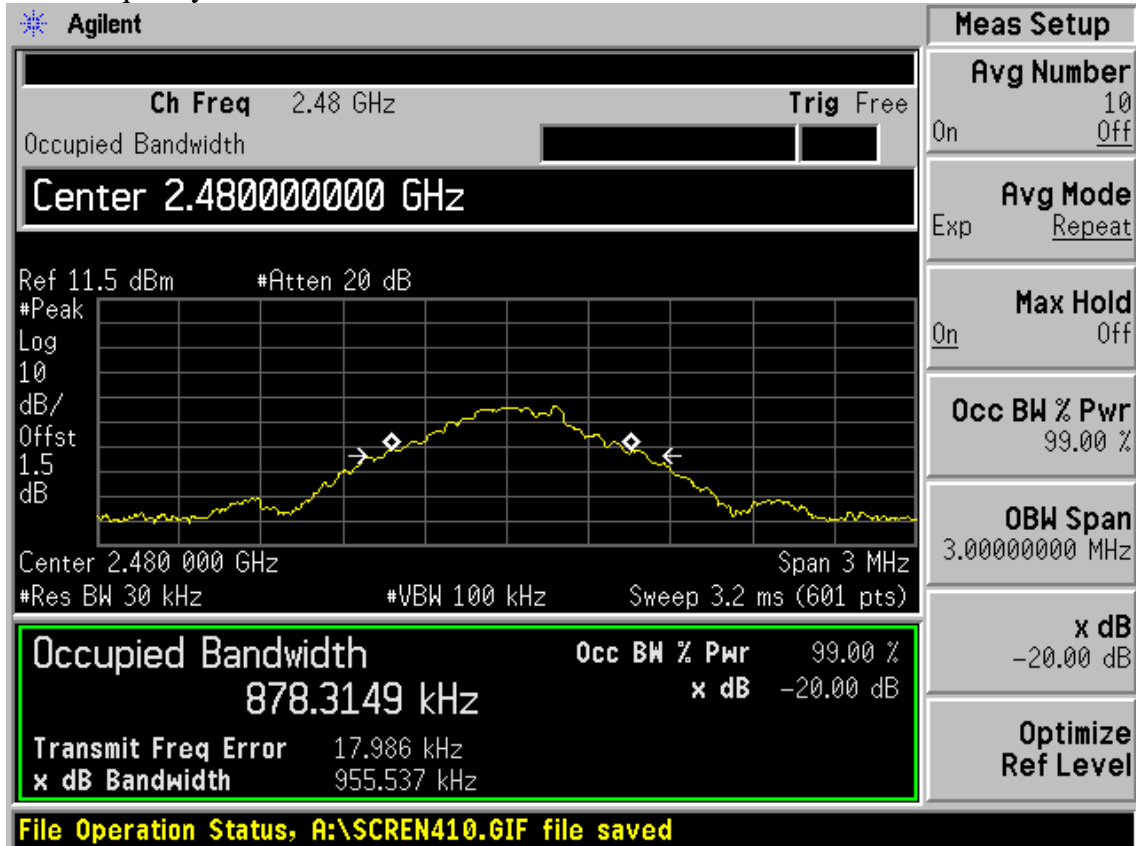
Test Frequency: 2402MHz



Test Frequency: 2441MHz

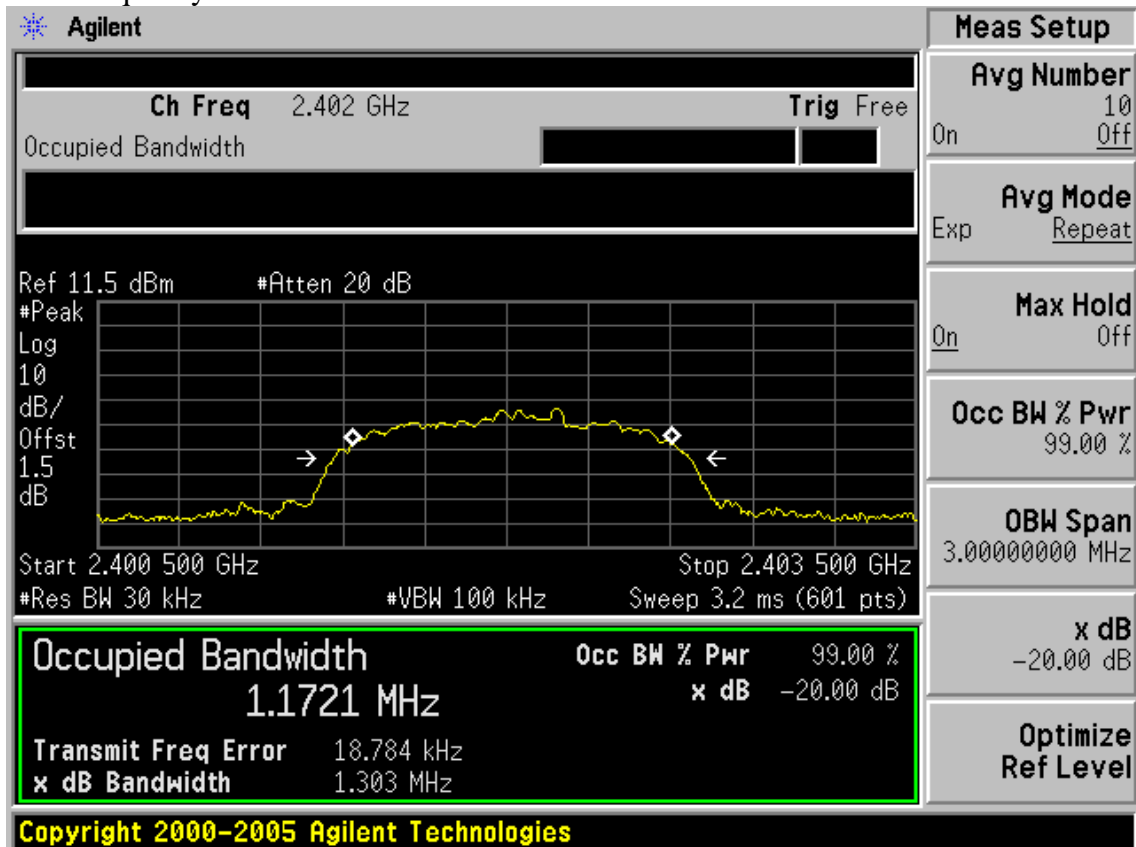


Test Frequency: 2480MHz

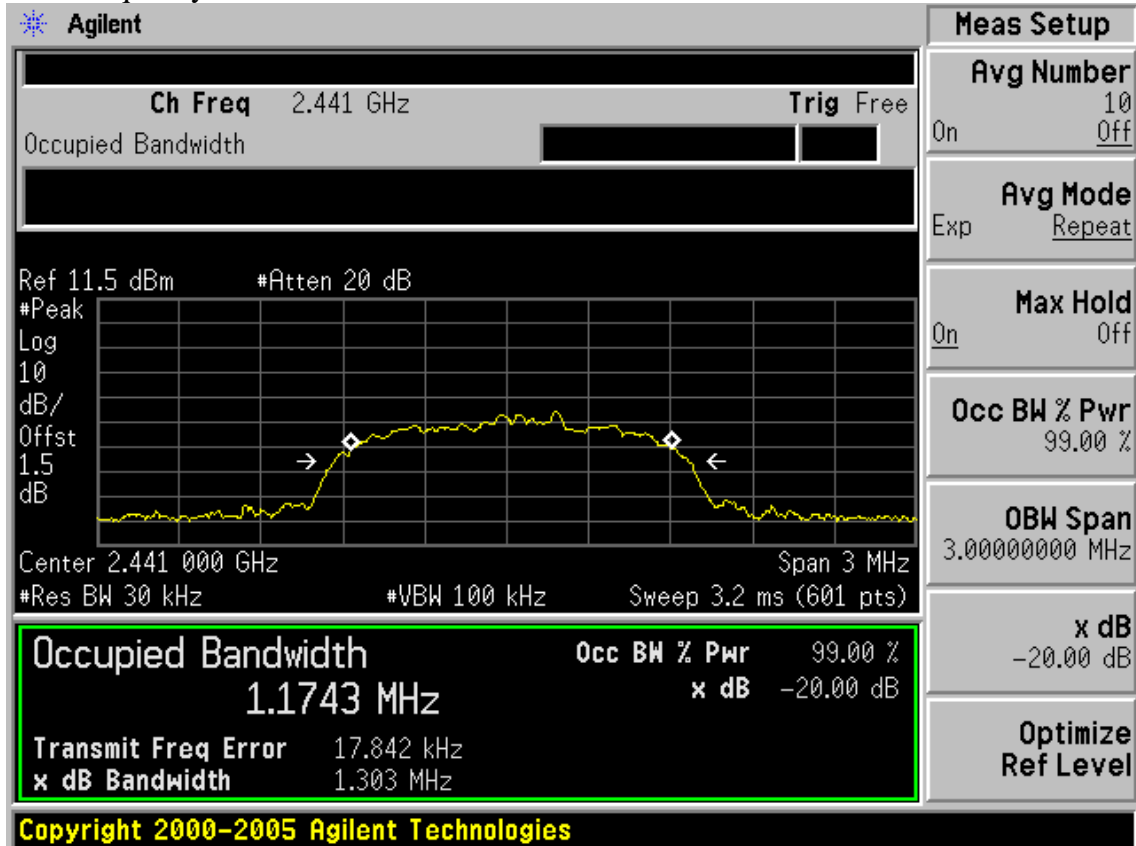


8DPSK

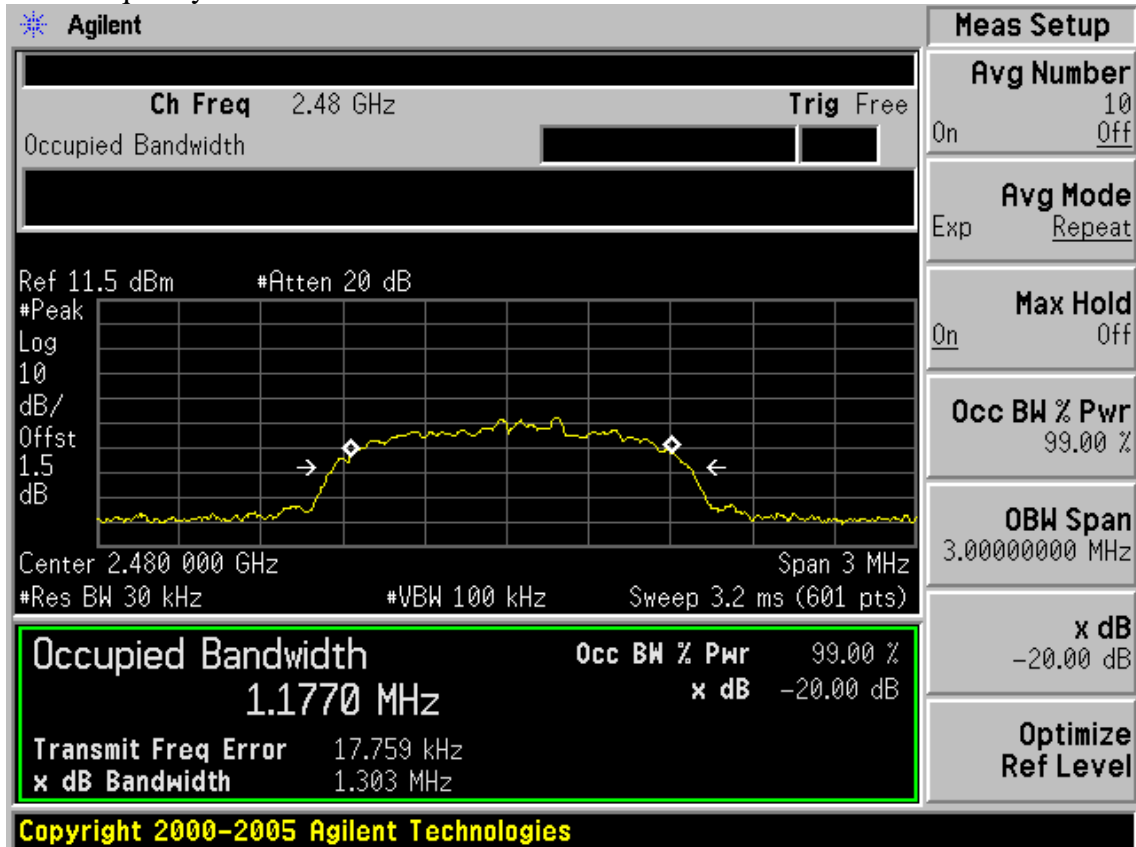
Test Frequency: 2402MHz



Test Frequency: 2441MHz



Test Frequency: 2480MHz



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, 11	1 Year

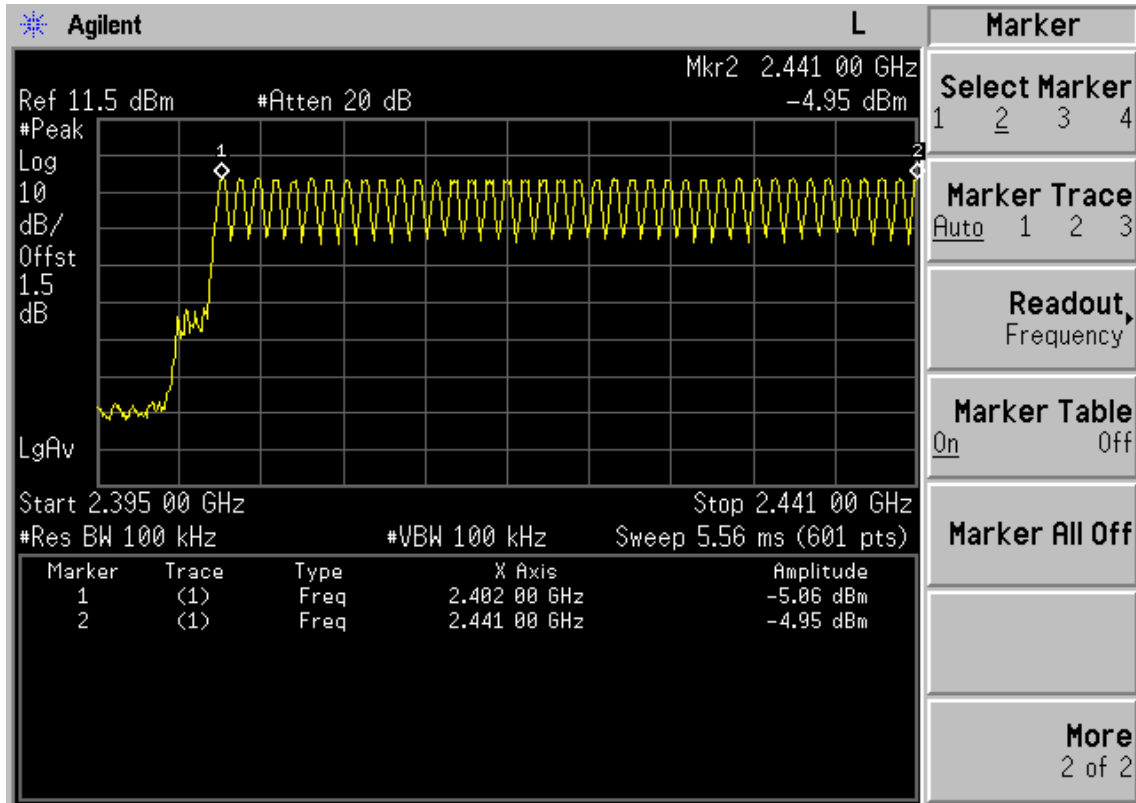
8.2. Limit

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

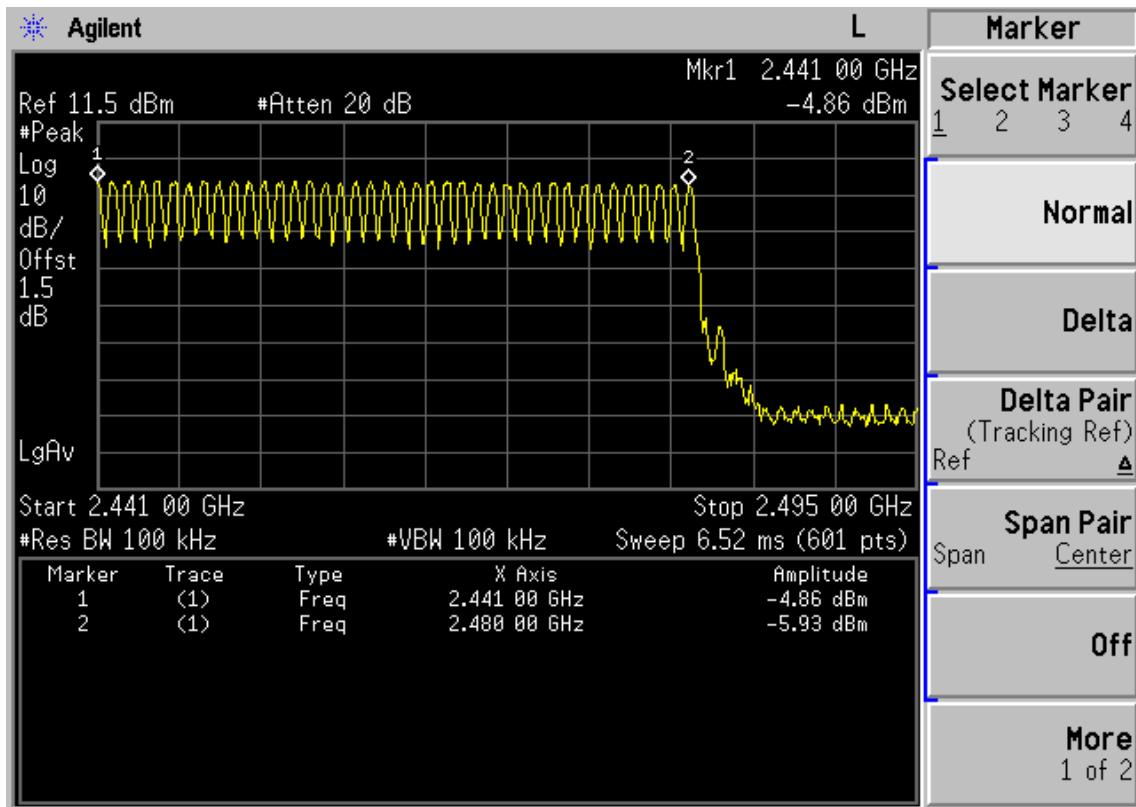
8.3. Test Results

EUT: GoGear Connect, WiFi MP3 Player		
M/N: SA3CNT32K/37		
Test date:2011-08-31	Pressure: 100.4kPa	Humidity: 55%
Tested by: Leo-Li	Test site: RF site	Temperature:24 °C

Test Mode	Number of channel	Limit	Conclusion
8-DPSK	79	≥ 15	PASS
GFSK	79	≥ 15	PASS



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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, 11	1 Year

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

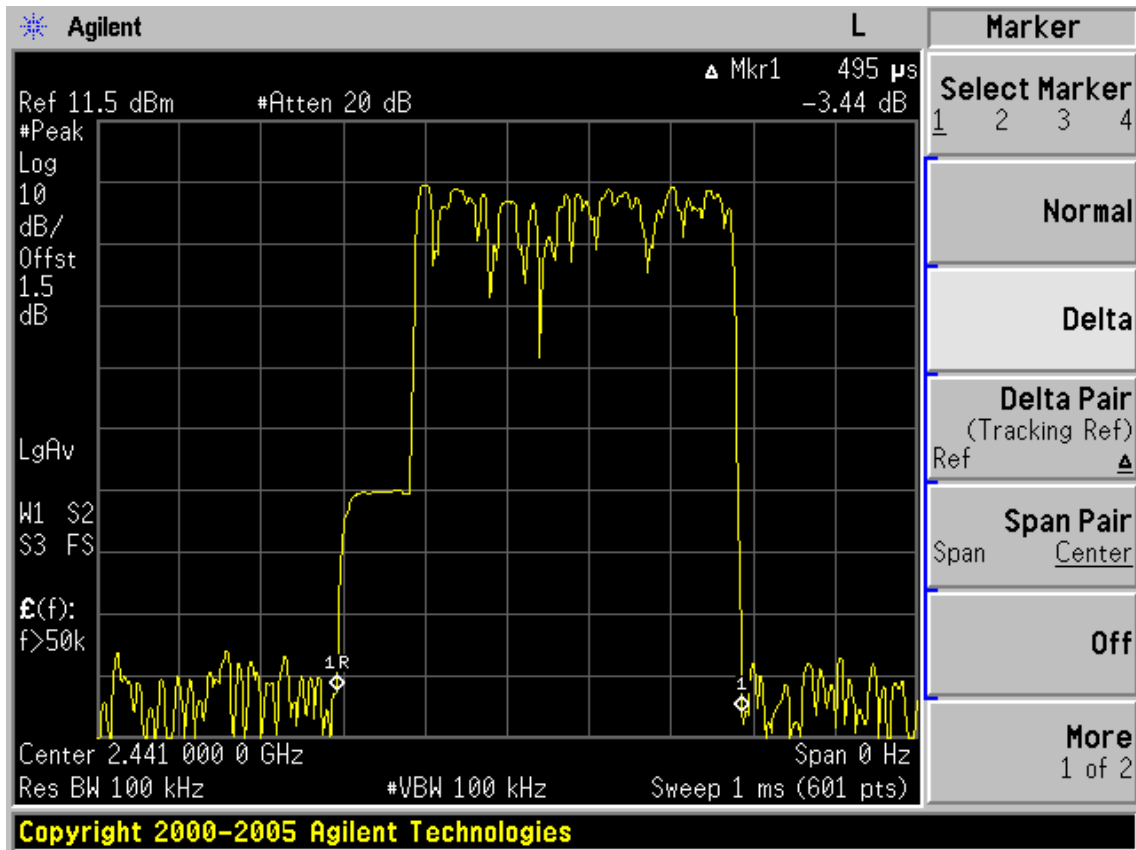
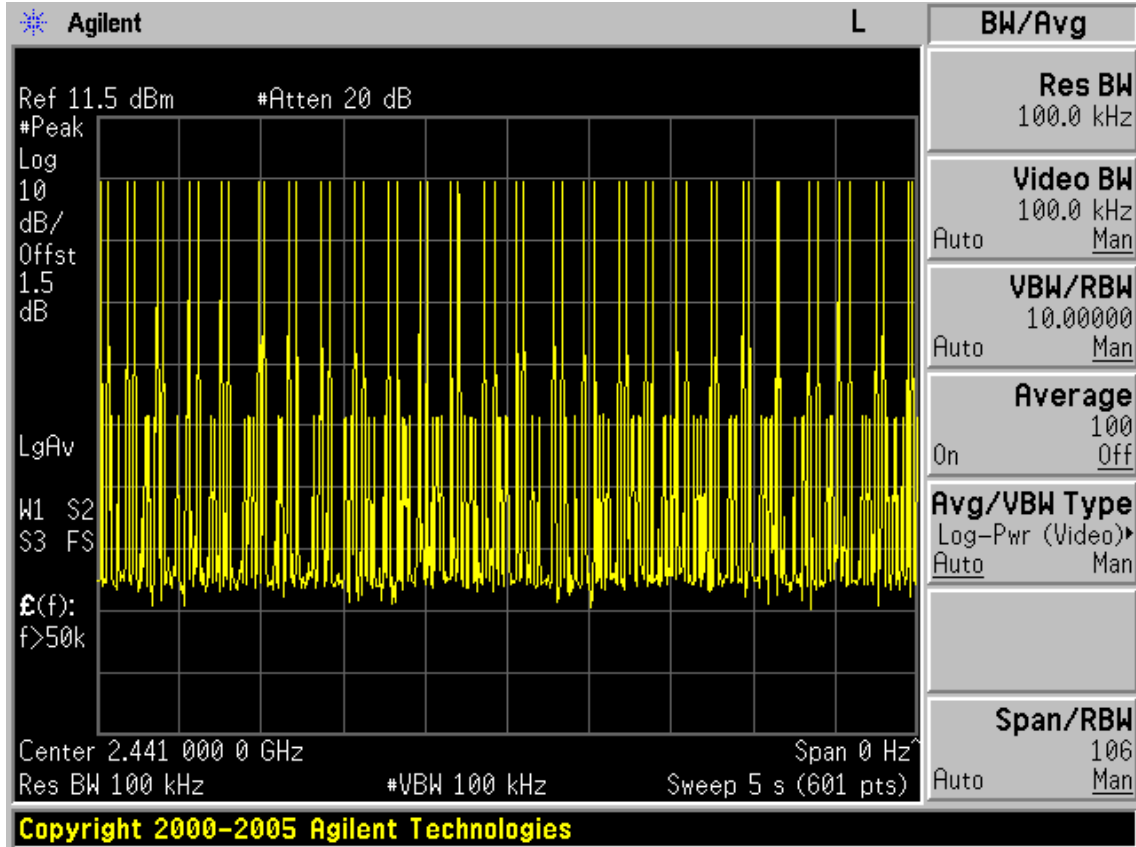
EUT: GoGear Connect, WiFi MP3 Player		
M/N: SA3CNT32K/37		
Test date:2011-08-31	Pressure:100.6 kpa	Humidity:53%
Tested by:Leo-Li	Test site: RF site	Temperature:25 °C

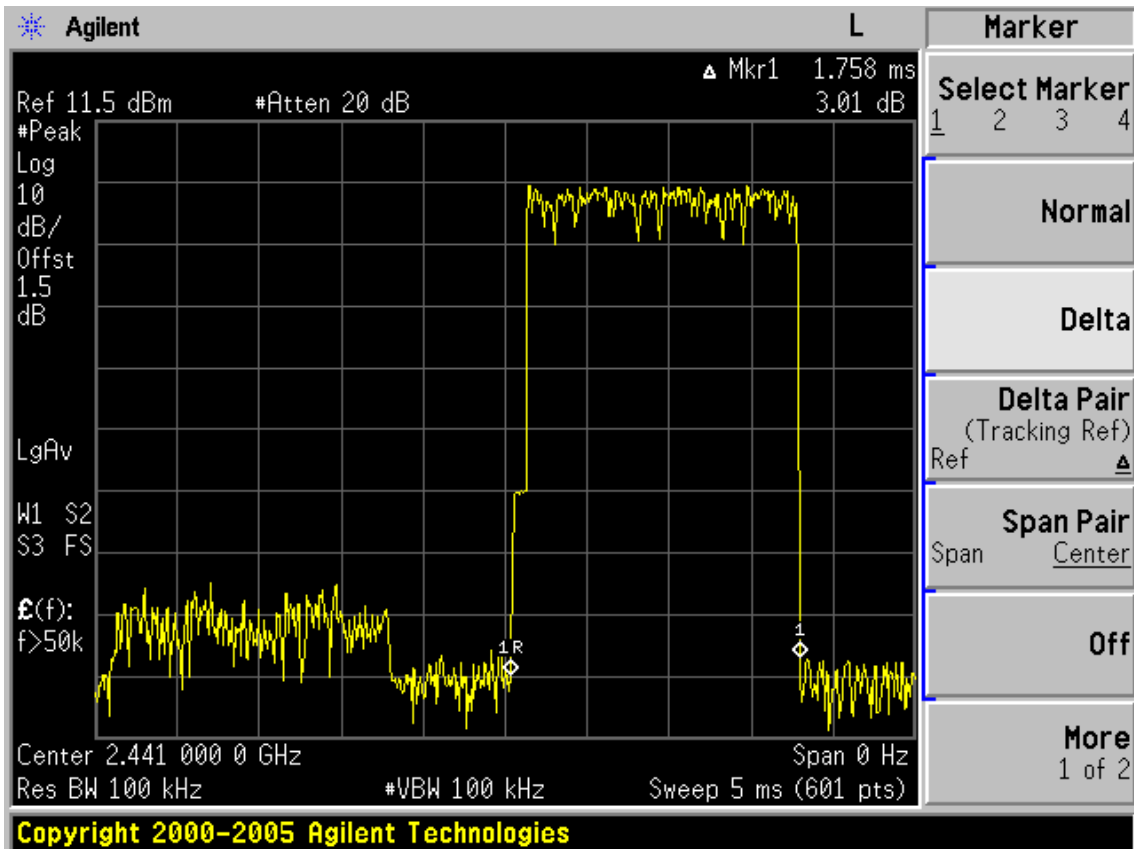
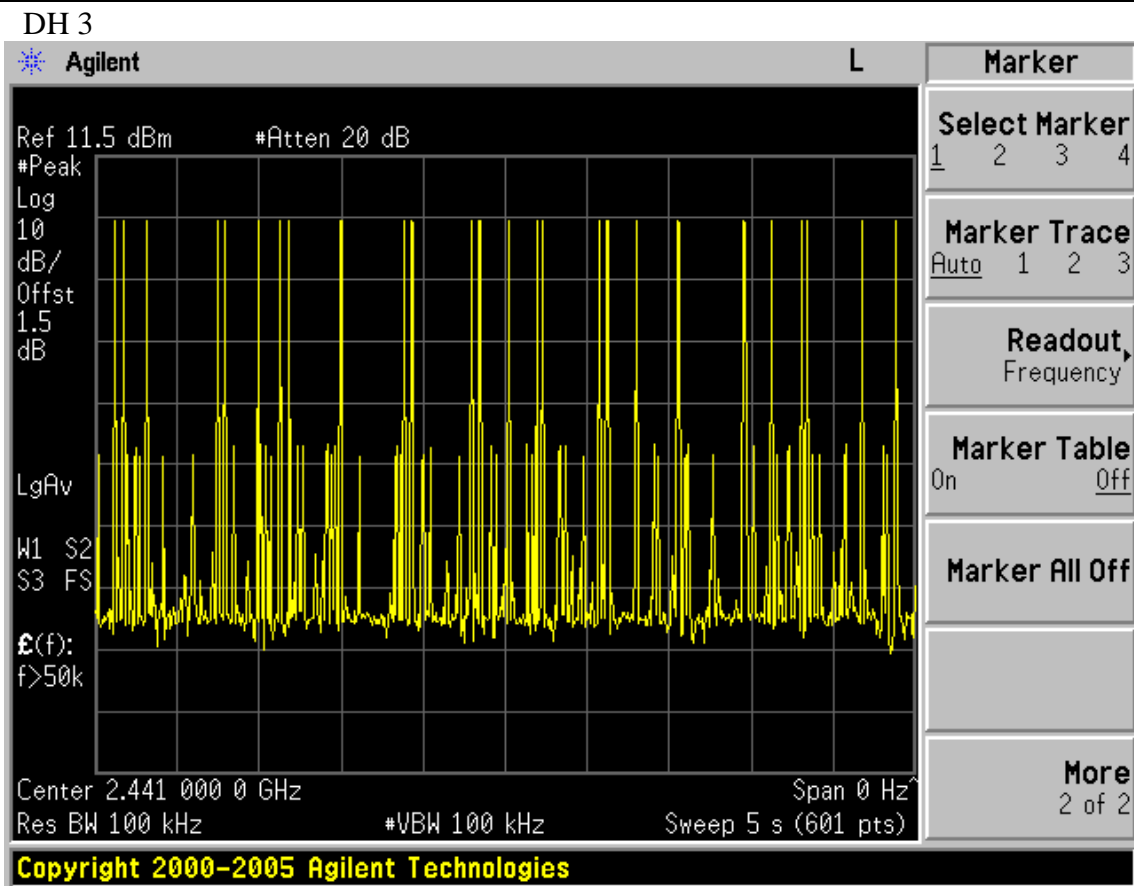
Mode	dwell time		Limit	Conclusion
GFSK	DH1	$26\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 0.495\text{ms} = 81.34\text{ms}$	<400ms	PASS
	DH3	$18\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 1.758\text{ms} = 200\text{ms}$	<400ms	PASS
	DH5	$18\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 3.017\text{ms} = 343.21\text{ms}$	<400ms	PASS
8DPSK	DH1	$26\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 0.508\text{ms} = 83.47\text{ms}$	<400ms	PASS
	DH3	$18\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 0.495\text{ms} = 199.08\text{ms}$	<400ms	PASS
	DH5	$14\text{hops}/5\text{s} * 0.4 * 79\text{channels} * 3.027\text{ms} = 267.83\text{ms}$	<400ms	PASS

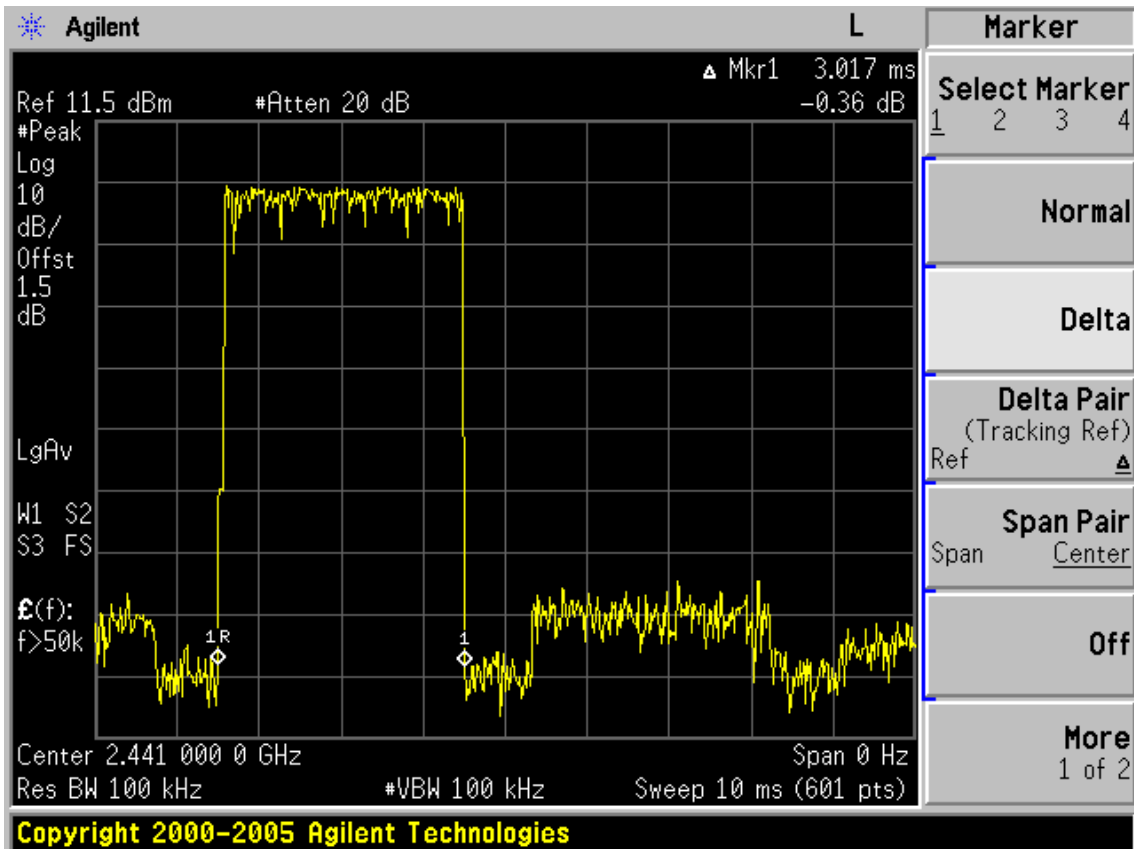
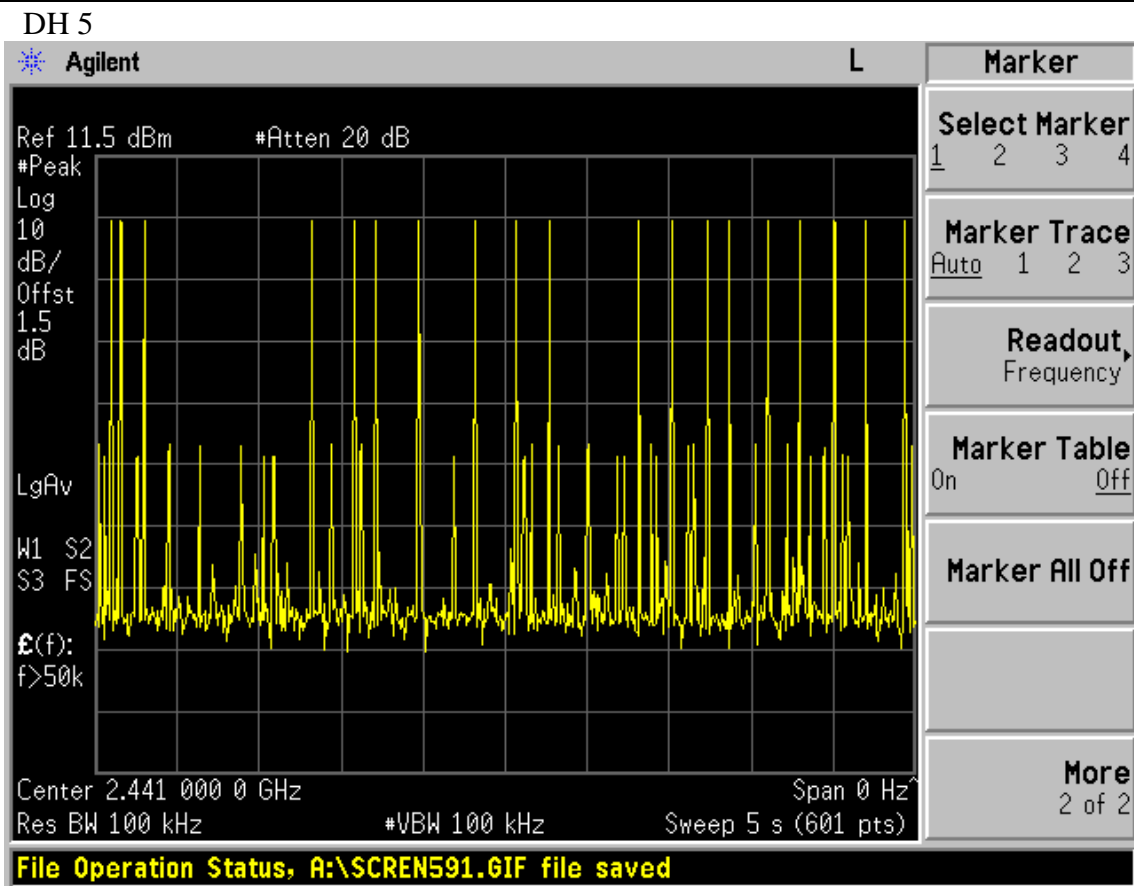
Note: All the lower levels were signal from receiver's, and should not considered in here.

GFSK

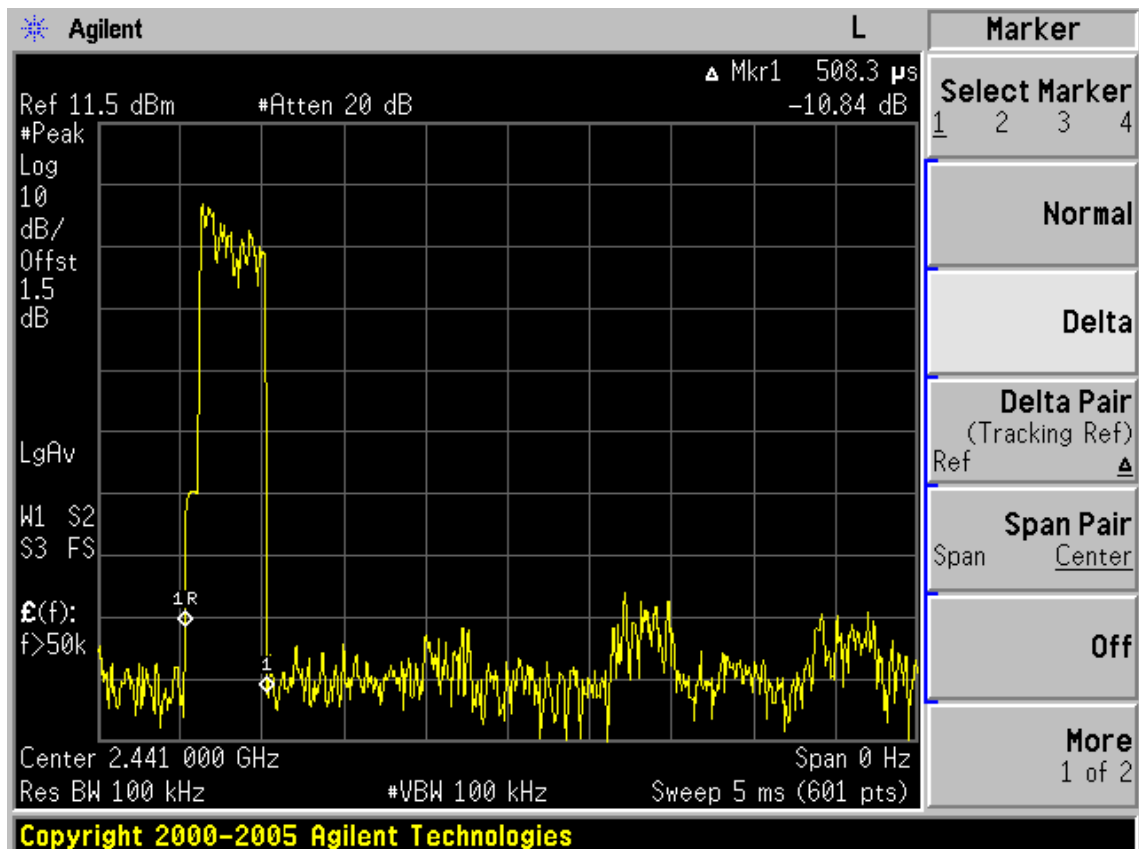
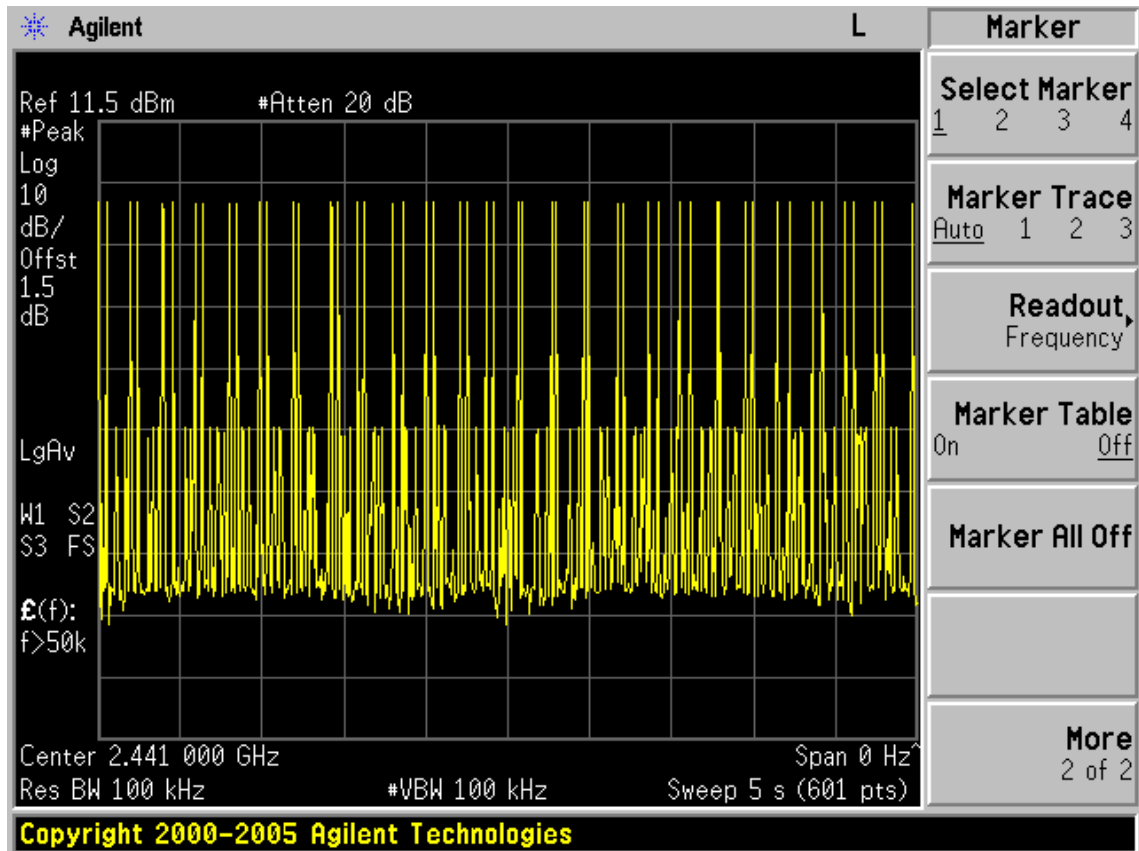
DH 1

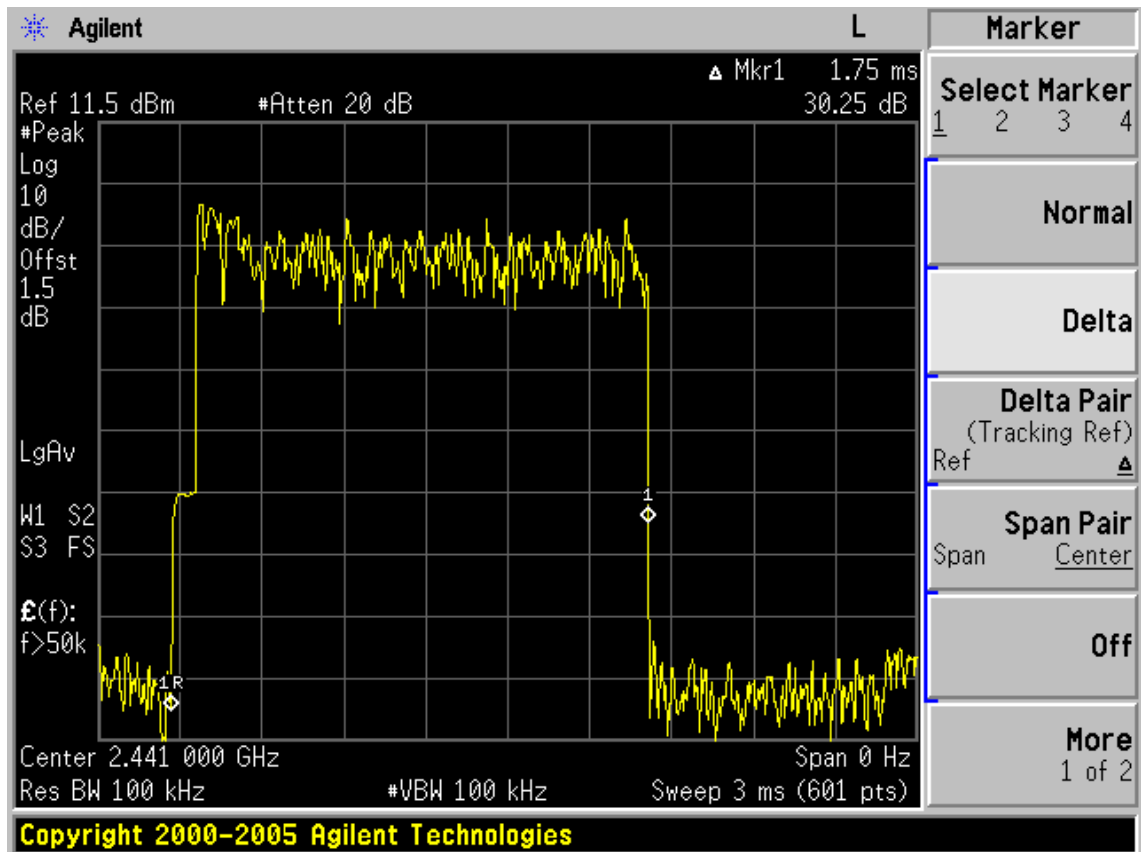
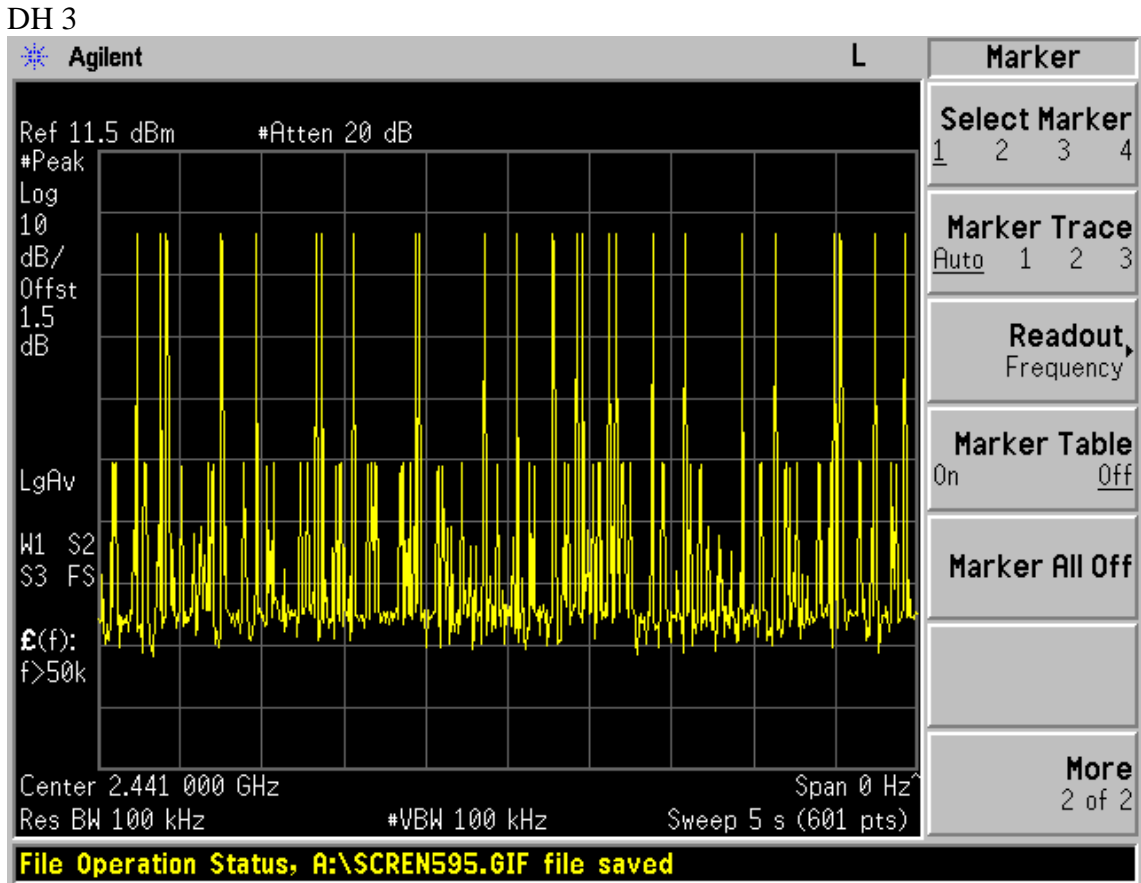




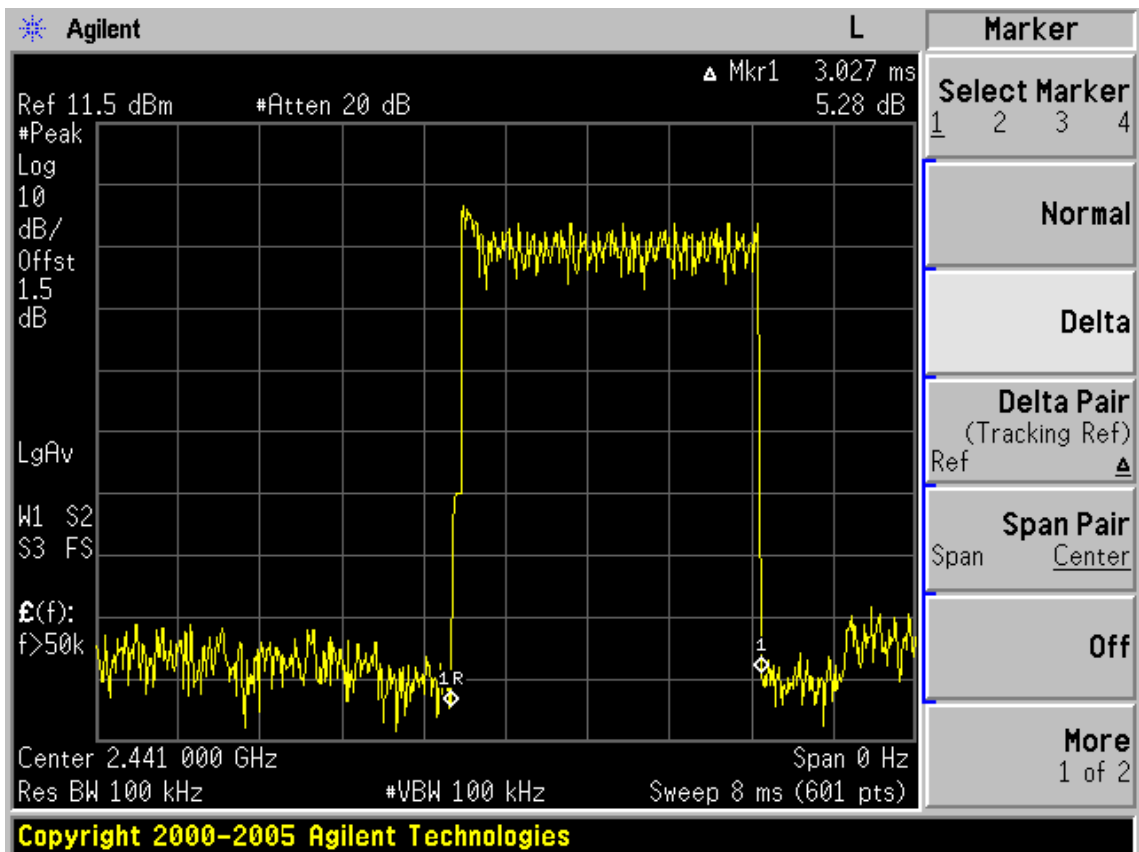
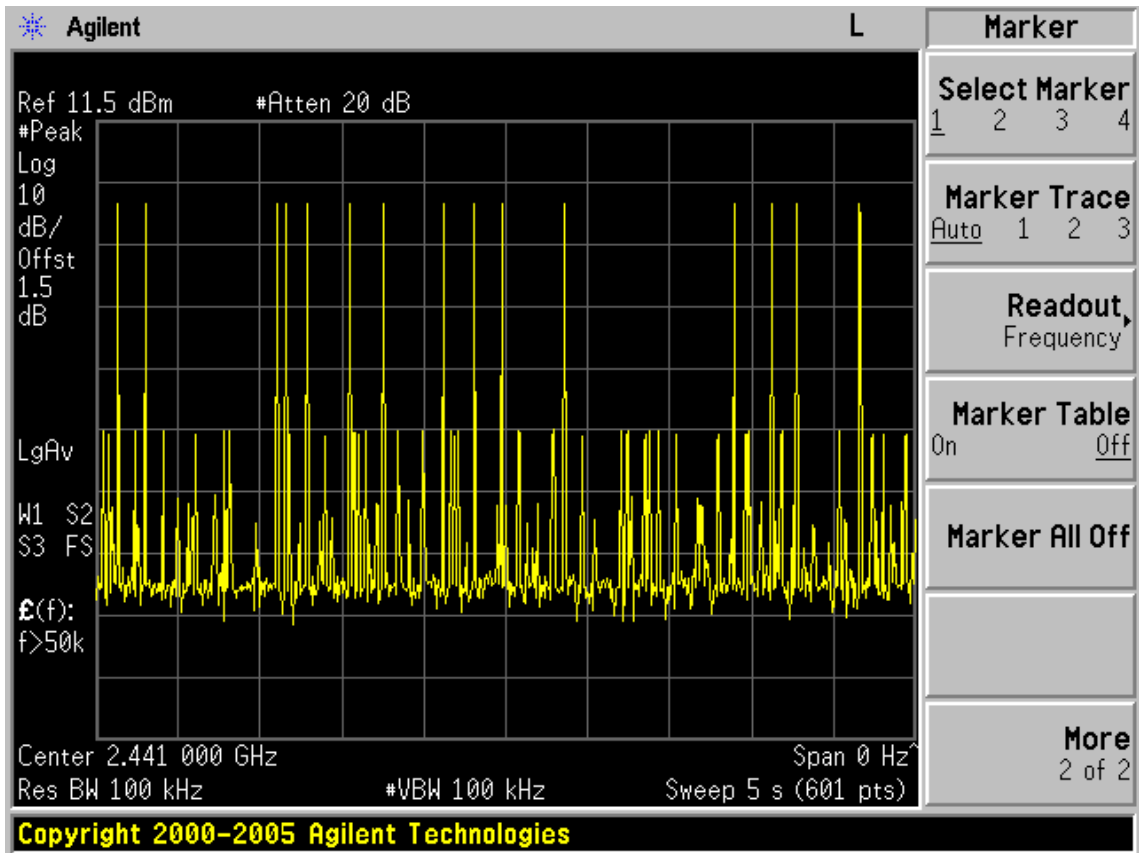


8DPSK
DH 1





DH 5



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, 11	1 Year
2.	Horn Antenna	EMCO	3115	9510-4580	Nov.19, 10	1.5 Year
3.	Horn Antenna	EMCO	3115	9607-4877	Nov. 25, 10	1.5 Year
4.	Signal Generator	HP	83732B	VS34490501	May.08, 11	1 Year
5.	Amplifier	Agilent	8491B	MY39262165	May.08, 11	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX 102	28620/2	May,08, 11	1 Year
7.	RF Cable	Hubersuhner	SUCOFLEX 102	271471/4	May,08, 11	1 Year
8.	RF Cable	Hubersuhner	SUCOFLEX 102	29086/2	May,08, 11	1 Year
9.	RF Cable	Hubersuhner	SUCOFLEX 102	271473/4	May,08, 11	1 Year
10.	RF Cable	Hubersuhner	SUCOFLEX 102	29091/2	May,08, 11	1 Year

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: GoGear Connect, WiFi MP3 Player			
M/N: SA3CNT32K/37			
Test date: 2011-09-16		Pressure: 101.6 kpa	Humidity: 54.9%
Tested by: Leo-Li		Test site: RF site	Temperature: 25.2 °C
Cable loss: 1.5 dB		Attenuator loss: 20 dB	
Test Mode	CH (MHz)	Peak output Power (dBm)	Limit (dBm)
8DPSK	2402	0.75	30
	2441	0.03	30
	2480	-1.14	30
GFSK	2402	-1.29	30
	2441	-2.08	30
	2480	-3.03	30
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.08,11	1 Year
2.	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 10	1.5 Year
3.	Amplifier	Agilent	8449B	3008A02495	May.08, 11	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08,11	1 Year
5.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,11	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	May.08,11	1 Year

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:

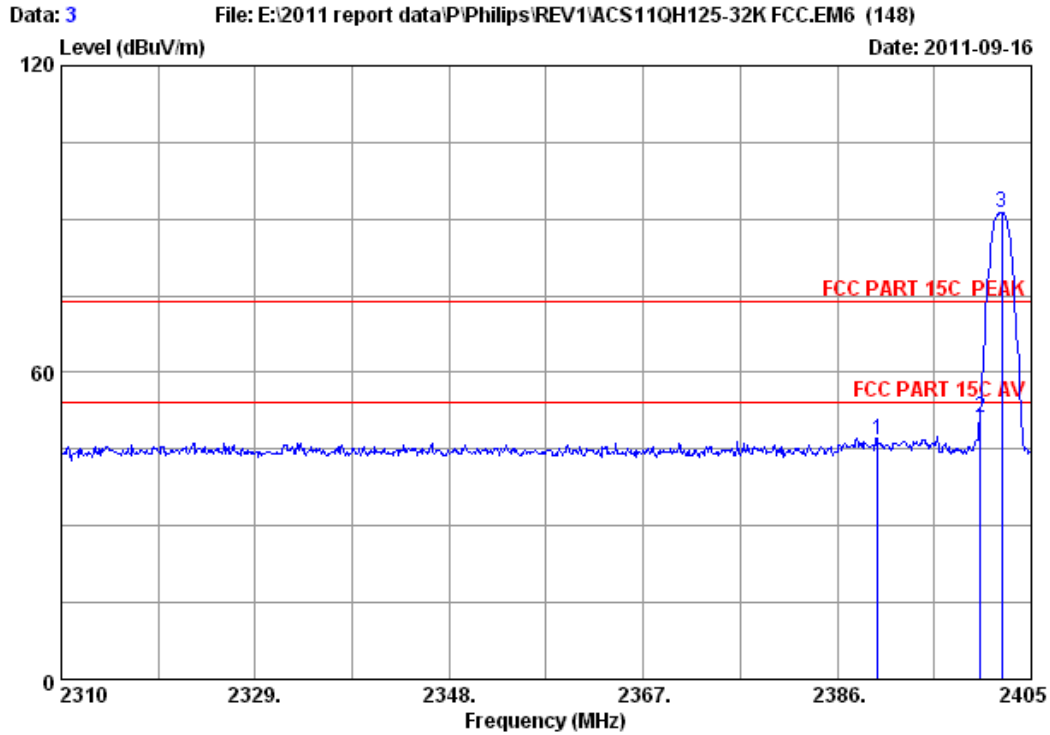
1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out 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.

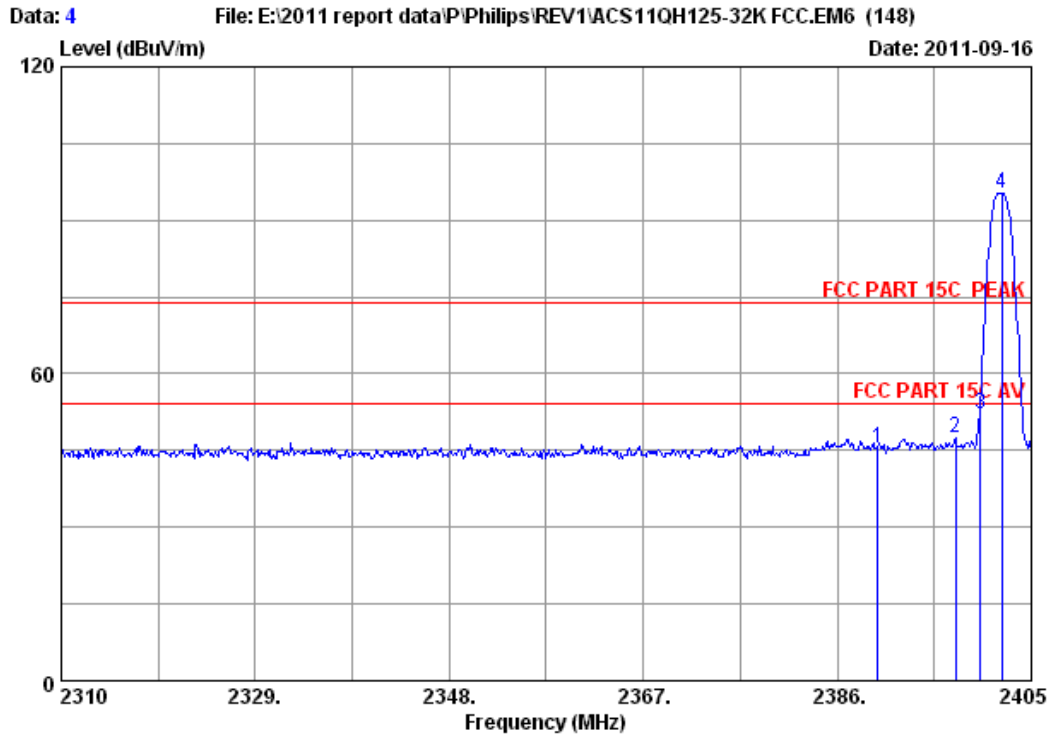
GFSK



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	27.96	6.72	34.44	46.67	46.91	74.00	27.09	Peak
2	2400.000	27.96	6.75	34.44	50.85	51.12	74.00	22.88	Peak
3	2402.150	27.96	6.75	34.44	90.86	91.13	74.00	-17.13	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.

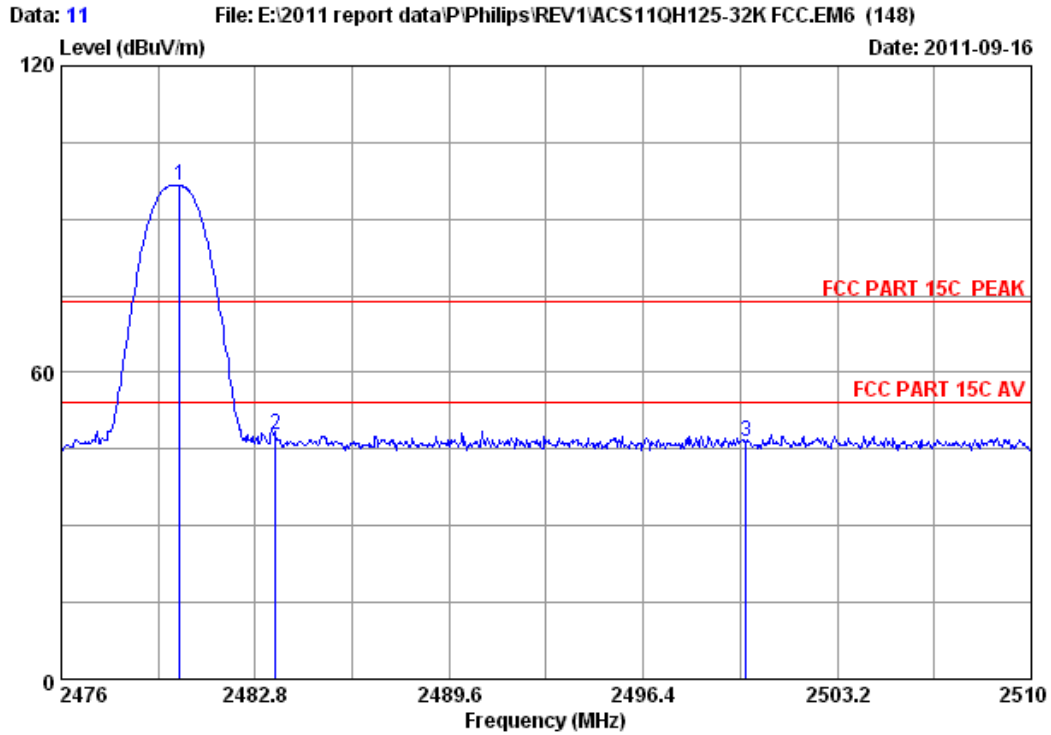


Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. 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	27.96	6.72	34.44	45.32	45.56	74.00	28.44	Peak
2	2397.590	27.96	6.75	34.44	47.05	47.32	74.00	26.68	Peak
3	2400.000	27.96	6.75	34.44	51.79	52.06	74.00	21.94	Peak
4	2402.150	27.96	6.75	34.44	95.06	95.33	74.00	-21.33	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.

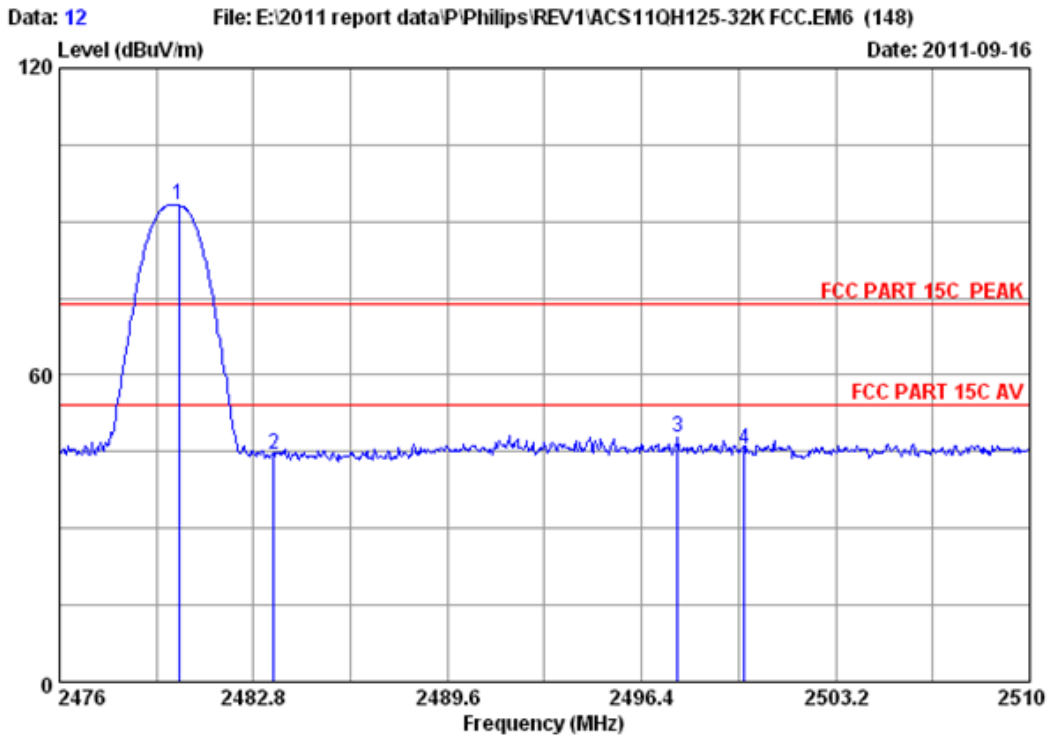


Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. 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	2480.148	28.08	6.87	34.45	96.03	96.53	74.00	-22.53	Peak
2	2483.500	28.08	6.90	34.45	47.19	47.72	74.00	26.28	Peak
3	2500.000	28.10	6.90	34.45	45.80	46.35	74.00	27.65	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.



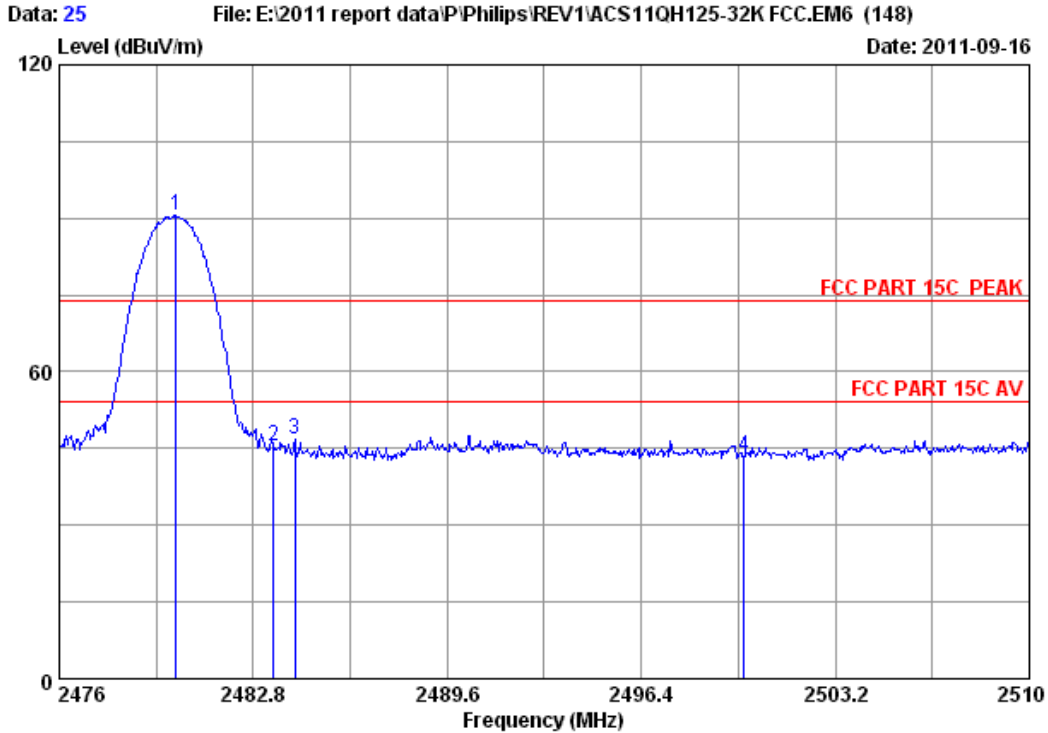
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : GFSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. 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	2480.182	28.08	6.87	34.45	92.66	93.16	74.00	-19.16	Peak
2	2483.500	28.08	6.90	34.45	43.89	44.42	74.00	29.58	Peak
3	2497.658	28.10	6.90	34.45	47.27	47.82	74.00	26.18	Peak
4	2500.000	28.10	6.90	34.45	44.89	45.44	74.00	28.56	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.

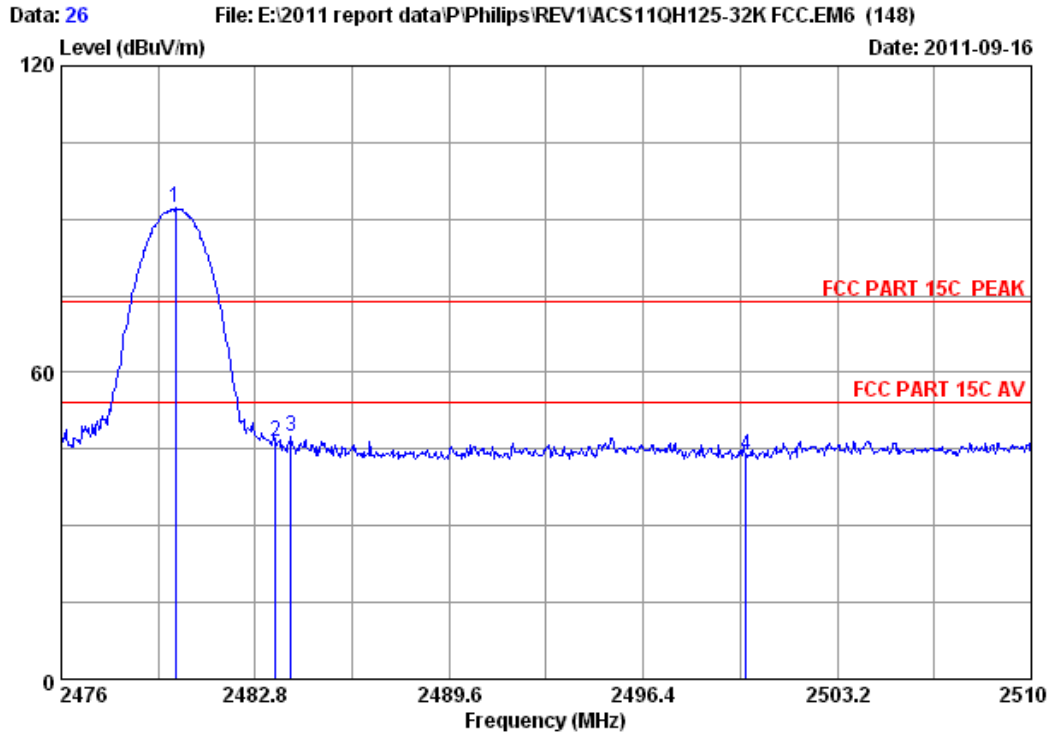
8DPSK



Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect,WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

	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	2480.080	28.08	6.87	34.45	90.03	90.53	74.00	-16.53	Peak
2	2483.500	28.08	6.90	34.45	45.06	45.59	74.00	28.41	Peak
3	2484.262	28.08	6.90	34.45	46.36	46.89	74.00	27.11	Peak
4	2500.000	28.10	6.90	34.45	42.78	43.33	74.00	30.67	Peak

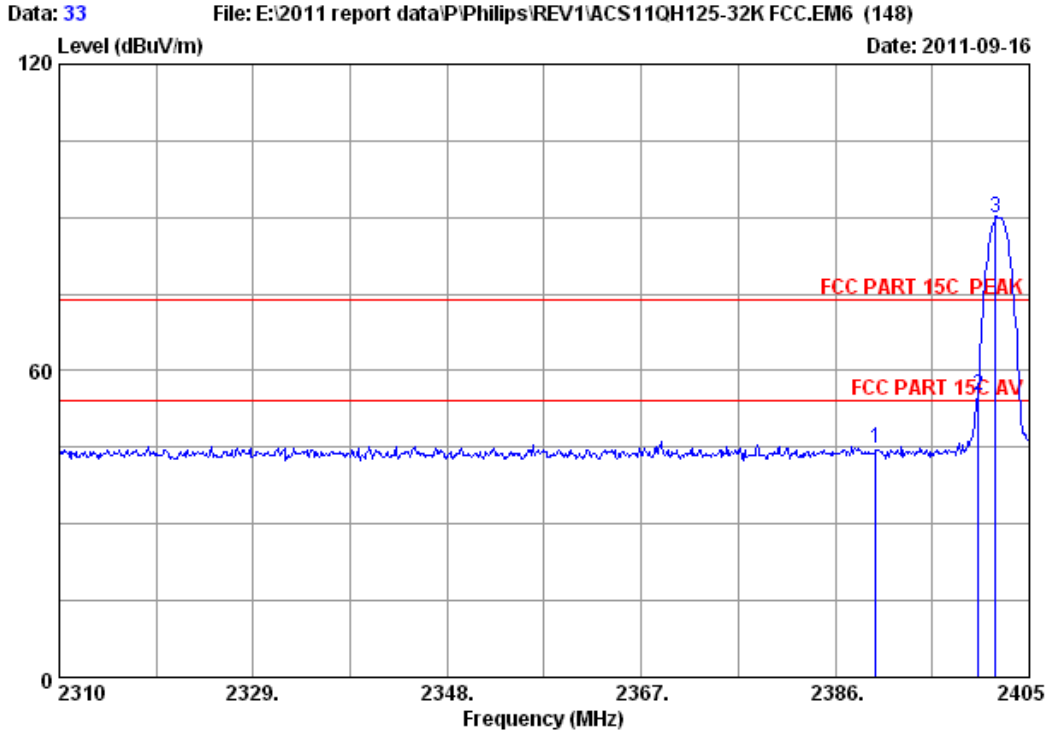
Remarks:
 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : SDPSK 2480MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. 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	2480.012	28.08	6.87	34.45	91.76	92.26	74.00	-18.26	Peak
2	2483.500	28.08	6.90	34.45	45.86	46.39	74.00	27.61	Peak
3	2484.058	28.08	6.90	34.45	46.86	47.39	74.00	26.61	Peak
4	2500.000	28.10	6.90	34.45	43.07	43.62	74.00	30.38	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.

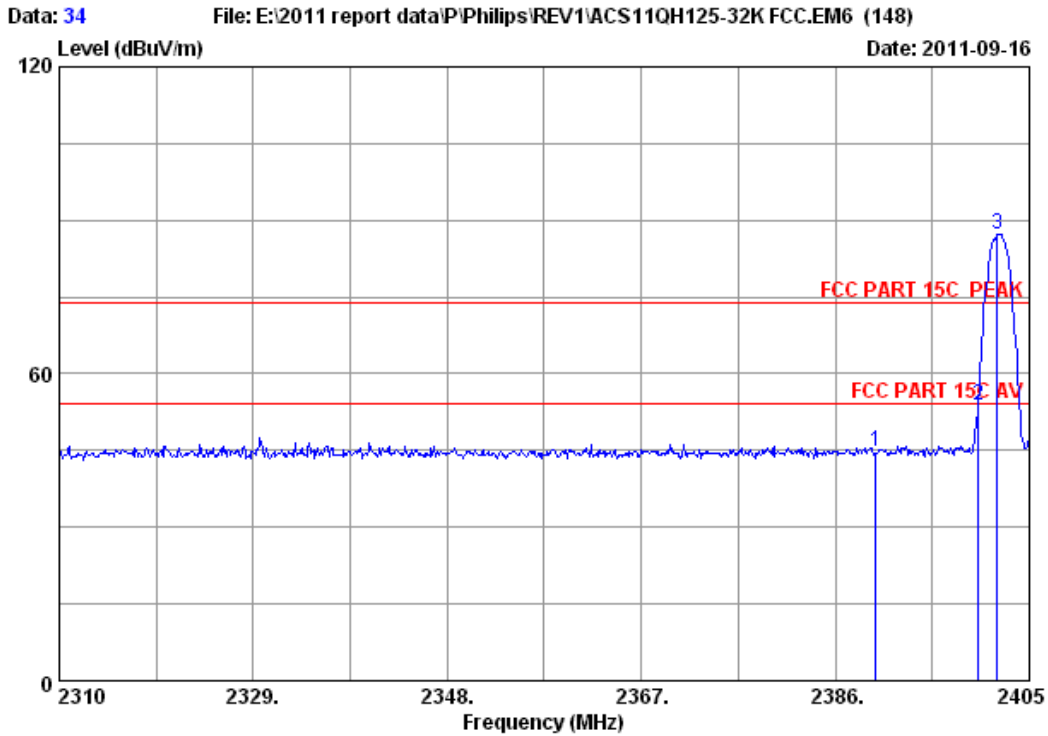


Site no. : 3m Chamber Data no. : 33
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : GoGear Connect, WiFi MP3 Player
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 8DPSK 2402MHz Tx
 M/N : SA3CNT32K/37
 :

	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	27.96	6.72	34.44	44.52	44.76	74.00	29.24	Peak
2	2400.000	27.96	6.75	34.44	54.74	55.01	74.00	18.99	Peak
3	2401.675	27.96	6.75	34.44	89.67	89.94	74.00	-15.94	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. : 34
Dis. / Ant.  : 3m 2011 3115 4580         Ant. pol.: VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23°C/54%                  Engineer : Leo-Li
EUT          : GoGear Connect,WiFi MP3 Player
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 8DPSK 2402MHz Tx
M/N          : SA3CNT32K/37
:

```

	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2390.000	27.96	6.72	34.44	44.57	44.81	74.00	29.19	Peak
2	2400.000	27.96	6.75	34.44	53.68	53.95	74.00	20.05	Peak
3	2401.865	27.96	6.75	34.44	86.98	87.25	74.00	-13.25	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.

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]