



FCC PART 15C TEST REPORT FOR CERTIFICATION

On Behalf of

TTE Technology Inc.

WIFI Module

Brand Name	Model No.
TCL	WAE22-DF01-AR

FCC ID: W8UWAE22

Prepared for : TTE Technology Inc.
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Date of Report : Oct.15, 2013

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TEST REPORT CERTIFICATION

Applicant : TTE Technology Inc.
 Manufacturer : HUIZHOU TCL KING HIGH FREQUENCY ELECTRONIC CO., LTD
 EUT Description : WIFI Module
 FCC ID : W8UWAE22

(A) MODEL NO. & BRAND NAME	Brand Name	Model No.
	TCL	WAE22-DF01-AR

(B) SERIAL NO. : N/A
 (C) TEST VOLTAGE : DC 5V

Tested for comply with:
 FCC Rules and Regulations Part 15 Subpart C: 2012

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

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 : Sep.13~ 25, 2013 Report of date: Oct.15, 2013

Prepared by : Sherry Zhuo Reviewed by : Sunny Lu
 Sherry Zhuo / Assistant Sunny Lu / Assistant Manager

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: David Jin 10/15

Approved & Authorized Signer : David Jin
 David Jin / 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	FCC Part 15: 15.207 ANSI C63.10: 2009	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10: 2009	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product Name : WIFI Module

Model Number & Brand Name	Brand Name	Model No.
	TCL	WAE22-DF01-AR

FCC ID : W8UWAE22

Radio : IEEE802.11 a/b/g/n

Operation Frequency : IEEE 802.11a: 5180MHz—5240MHz; 5745MHz—5825MHz
IEEE 802.11b: 2412MHz—2462MHz
IEEE 802.11g: 2412MHz—2462MHz
IEEE802.11nHT20: 2412MHz—2462MHz;5180MHz—5240MHz,
5745MHz—5825MHz
IEEE802.11nHT40: 2422MHz—2452MHz; 5190MHz—5230MHz
5755MHz—5795MHz

Modulation Technology : IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK)
IEEE 802.11a/g: OFDM(64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)

Antenna Assembly Gain : 2.4GHz, PCB Antenna, 3.2dBi;
5GHz, PCB Antenna, 3.7dBi;

Applicant : TTE Technology Inc.
555 S. Promenada Ave., Suite 103, Corona, CA 92879, U.S.A.

Manufacturer : HUIZHOU TCL KING HIGH FREQUENCY ELECTRONIC CO.,
LTD
HUA YU RD., NO.75, ZHONGKAI HIGH-TECH DEVELOPMENT
AREA, HUIZHOU, CHINA

Date of Test : Sep.13~25, 2013

Date of Receipt : Sep.12, 2013

Sample Type : Prototype production

2.2. Test Information

A special test software was used to control EUT work in Continuous TX mode(100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11n HT20	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11n HT40	13.5	Low :CH1	2422
	13.5	Middle: CH4	2437
	13.5	High: CH7	2452

Note 1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

Note 2: According to exploratory test, chain 0 have the worse case emission, so test the radiated emission and band edge use chain 0 in 11b.11g mode, in 11n mode, test with two antenna transmit simultaneously.

Note3: This is MIMO device, According to the test result of Total power and radiated emission, this device meets the MIMO requirement in KDB662911.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11a	6	Low :CH149	5745
	6	Middle: CH157	5785
	6	High: CH165	5825
IEEE 802.11n HT20	6.5	Low :CH149	5745
	6.5	Middle: CH157	5785
	6.5	High: CH165	5825
IEEE 802.11n HT40	13.5	Low :CH151	5755
	13.5	High : CH159	5795

Note 1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

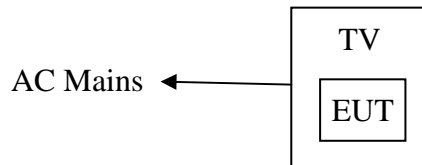
Note 2: According to exploratory test, chain 0 have the worse case emission, so test the radiated emission and band edge use chain 0 in 11a mode, in 11n mode, test with two antenna transmit simultaneously.

Note3: This is MIMO device, According to the test result of Total power and radiated emission, this device meets the MIMO requirement in KDB662911.

2.3. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	TV	---	TCL	LE50UHDE5692G	N/A	<input type="checkbox"/> FCC ID <input type="checkbox"/> BSMI ID

2.4. Block Diagram of Test Setup



(EUT: WIFI Module)

2.5. Test Facility

Site Description

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

3m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 90454
Valid Date: Feb.22, 2015

3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Valid Date: Oct.31, 2015

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, 2014

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

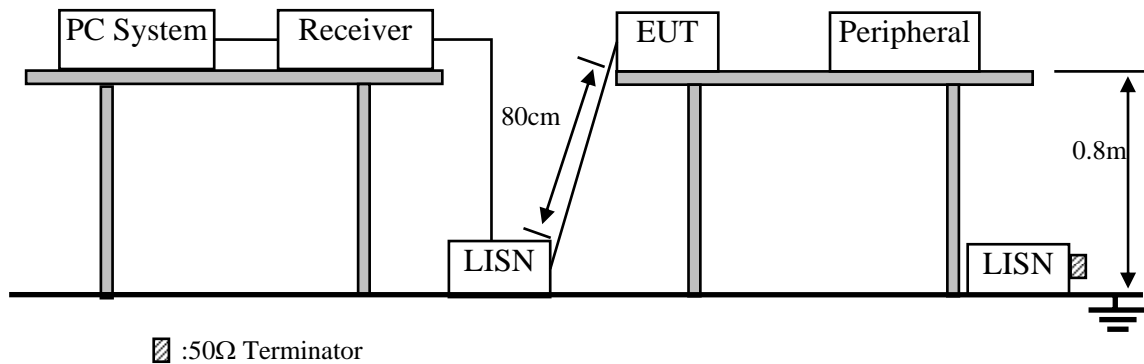
Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	3.1 dB (150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.22 dB(30~200MHz, Polarize: H)
	3.23 dB(30~200MHz, Polarize: V)
	3.49 dB(200M~1GHz, Polarize: H)
	3.39 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	5.04 dB (1~6GHz, Distance: 3m)
	5.06 dB (6~18GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.57 dB
Uncertainty for Conduction Spurious emission test	2.00 dB
Uncertainty for Output power test	0.73 dB
Uncertainty for 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	Oct.31, 12	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Oct.31, 12	1 Year
3.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	May.08, 13	1 Year
4.	Terminator	Hubersuhner	50Ω	No.1	May.08, 13	1 Year
5.	Terminator	Hubersuhner	50Ω	No.2	May.08, 13	1 Year
6.	RF Cable	Fujikura	3D-2W	No.1	May.08, 13	1Year
7.	Coaxial Switch	Anritsu	MP59B	M50564	May.08, 13	1 Year
8.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 13	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. WIFI Module (EUT)

Model Number : WAE22-DF01-AR
 Serial Number : N/A

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

3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT and simulator as shown as Section 3.2.
- 3.5.2. Turned on the power of all equipment.
- 3.5.3. TV 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 Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). 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.

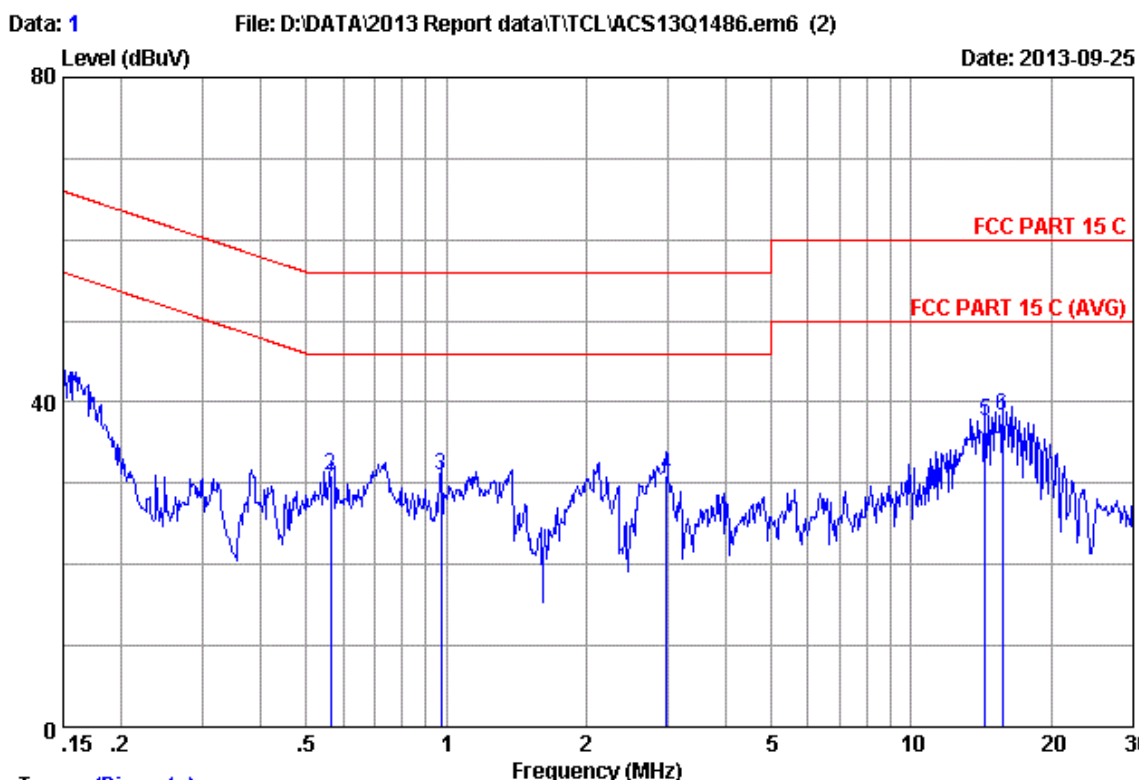
The bandwidth of test receiver (R & S ESHS10) is set at 9kHz.

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.)

2.4G:

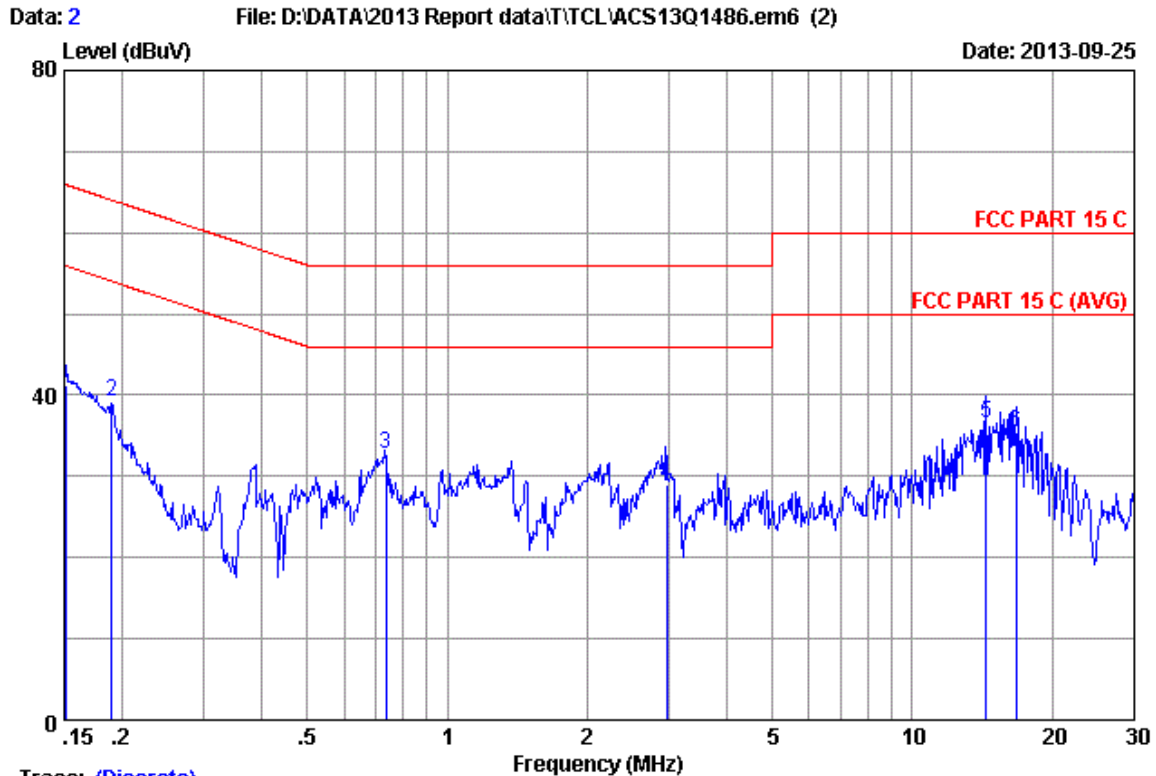


Trace: (Discrete)

Site no :1#conduction Data No :1
 Dis./Ant. **: 2012 ESH2-25 LINE
 Limit :FCC PART 15 C
 Env./Ins. :23.5*C/56% Engineer :Kevin
 EUT :WIFI Module
 Power Rating :DC 5V
 Test Mode :Tx Mode
 M/N:WAE22-DF01-AR

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.19	0.01	40.80	41.00	66.00	25.00	QP
2	0.56400	0.19	0.02	30.81	31.02	56.00	24.98	QP
3	0.97300	0.21	0.03	30.80	31.04	56.00	24.96	QP
4	2.977	0.26	0.05	30.60	30.91	56.00	25.09	QP
5	14.444	0.71	0.12	36.80	37.63	60.00	22.37	QP
6	15.725	0.80	0.12	37.30	38.22	60.00	21.78	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+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)

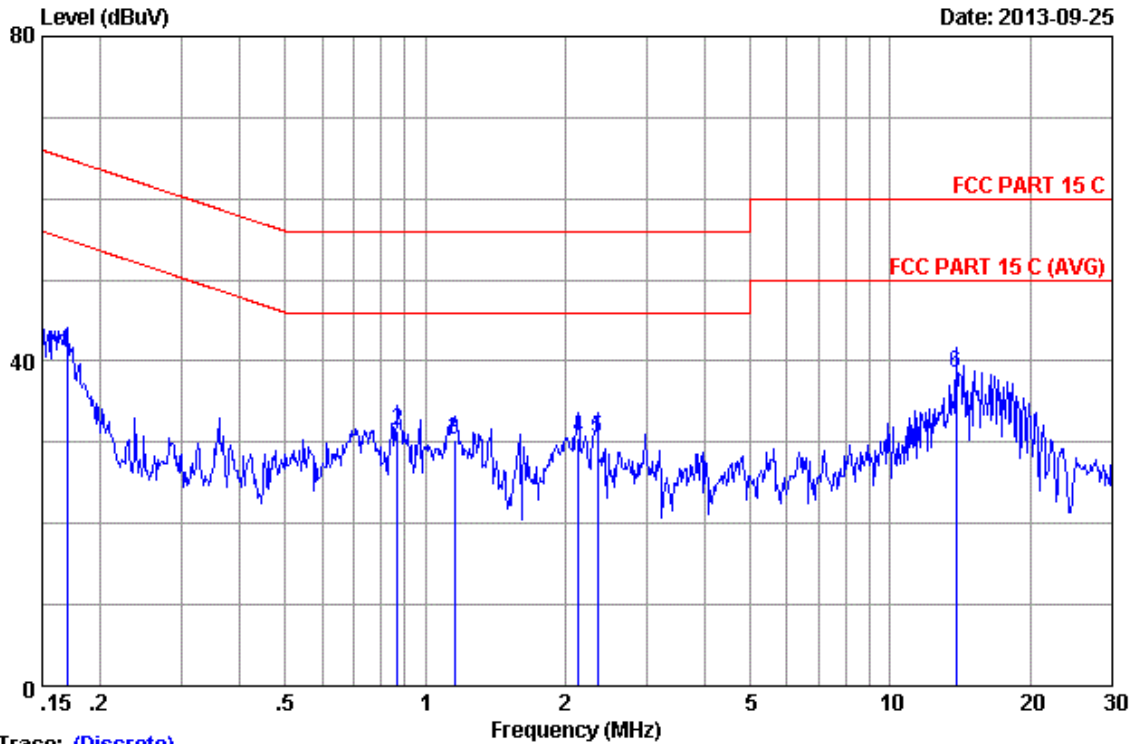
Site no	:1#conduction	Data No	:2
Dis./Ant.	:** 2012 ESH2-25 NEUTRAL		
Limit	:FCC PART 15 C		
Env./Ins.	:23.5*C/56%	Engineer	:Kevin
EUT	:WIFI Module		
Power Rating	:DC 5V		
Test Mode	:Tx Mode		
	M/N:WAE22-DF01-AR		

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15100	0.21	0.01	40.90	41.12	65.94	24.82	QP
2	0.19000	0.21	0.01	38.90	39.12	64.04	24.92	QP
3	0.73800	0.24	0.03	32.60	32.87	56.00	23.13	QP
4	2.956	0.31	0.05	28.70	29.06	56.00	26.94	QP
5	14.442	0.64	0.12	35.80	36.56	60.00	23.44	QP
6	16.749	0.78	0.13	34.60	35.51	60.00	24.49	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+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.

5.8G:

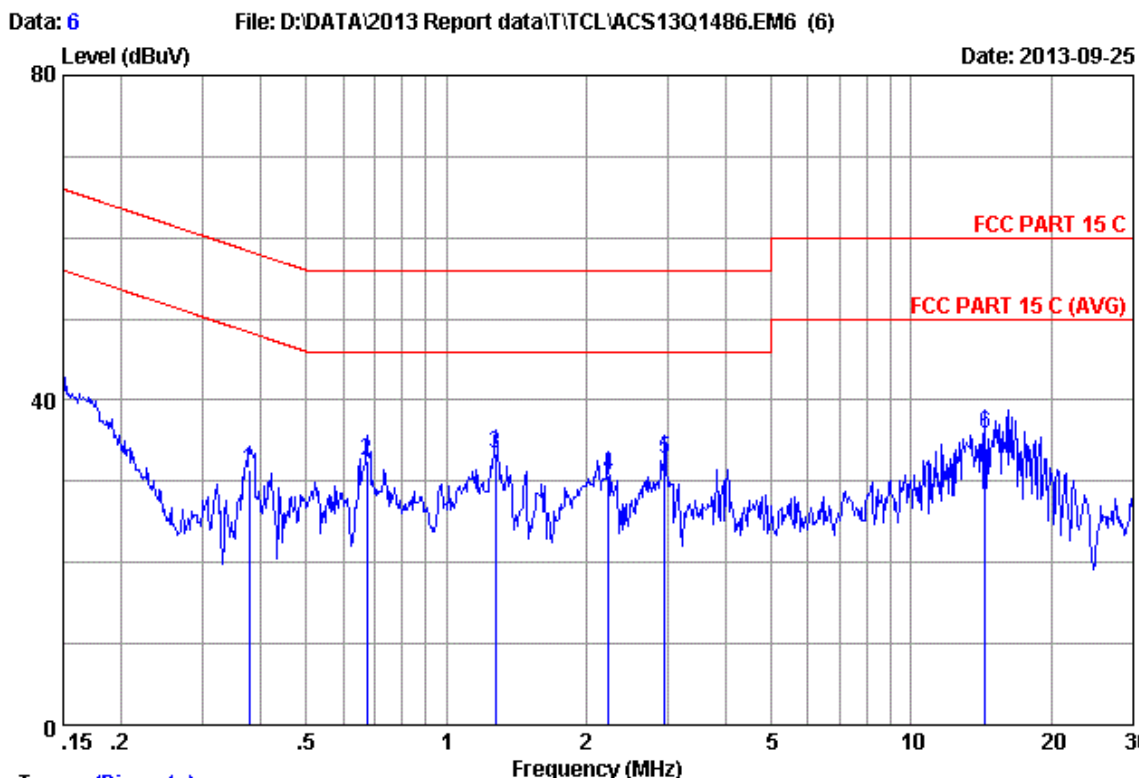
Data: 5 File: D:\DATA\2013 Report data\T\TCL\ACS13Q1486.EM6 (6) Date: 2013-09-25



Trace: (Discrete)
 Site no :1#conduction Data No :5
 Dis./Ant. **: 2012 ESH2-25 LINE
 Limit :FCC PART 15 C
 Env./Ins. :23.5*C/56% Engineer :Kevin
 EUT :WIFI Module
 Power Rating :DC 5V
 Test Mode :Tx Mode
 M/N:WAE22-DF01-AR

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.16944	0.19	0.01	40.88	41.08	64.99	23.91	QP
2	0.87103	0.21	0.03	31.21	31.45	56.00	24.55	QP
3	1.153	0.21	0.03	30.07	30.31	56.00	25.69	QP
4	2.133	0.24	0.04	30.33	30.61	56.00	25.39	QP
5	2.346	0.25	0.04	30.35	30.64	56.00	25.36	QP
6	13.841	0.68	0.12	37.82	38.62	60.00	21.38	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+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 :6

Dis./Ant. **: 2012 ESH2-25 NEUTRAL

Limit :FCC PART 15 C

Env./Ins. :23.5*C/56% Engineer :Kevin

EUT :WIFI Module

Power Rating :DC 5V

Test Mode :Tx Mode

M/N:WAE22-DF01-AR

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.37711	0.22	0.02	31.11	31.35	58.34	26.99	QP
2	0.67544	0.24	0.03	32.35	32.62	56.00	23.38	QP
3	1.276	0.25	0.03	33.14	33.42	56.00	22.58	QP
4	2.237	0.29	0.04	30.39	30.72	56.00	25.28	QP
5	2.946	0.31	0.05	32.30	32.66	56.00	23.34	QP
6	14.440	0.64	0.12	35.08	35.84	60.00	24.16	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+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

4.1.1. For frequency range 30MHz~1000MHz (At Anechoic Chamber)

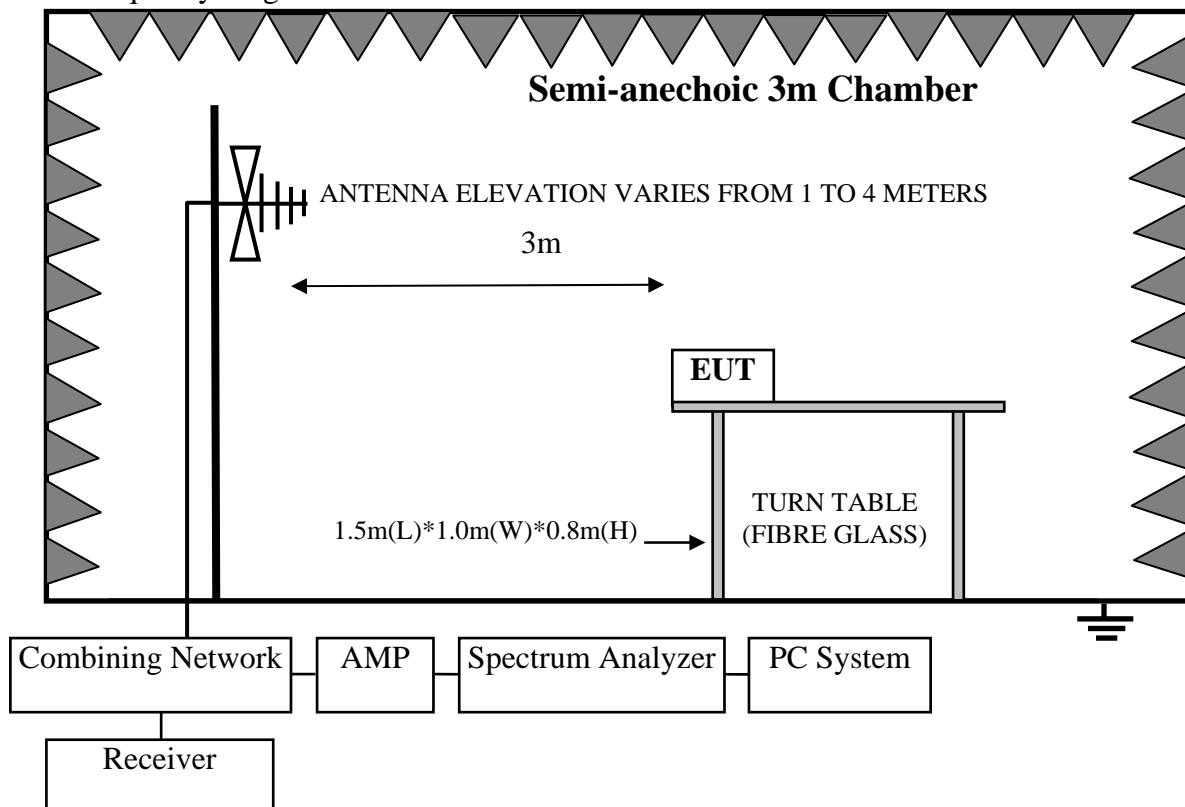
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Nov.24, 12	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 13	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 13	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 13	1 Year
5	Bilog Antenna	TESEQ	CBL6112D	35375	May.30, 13	1 Year
6	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	May.08, 13	1 Year
7	Coaxial Switch	Anritsu	MP59B	M74389	May.08, 13	1 Year

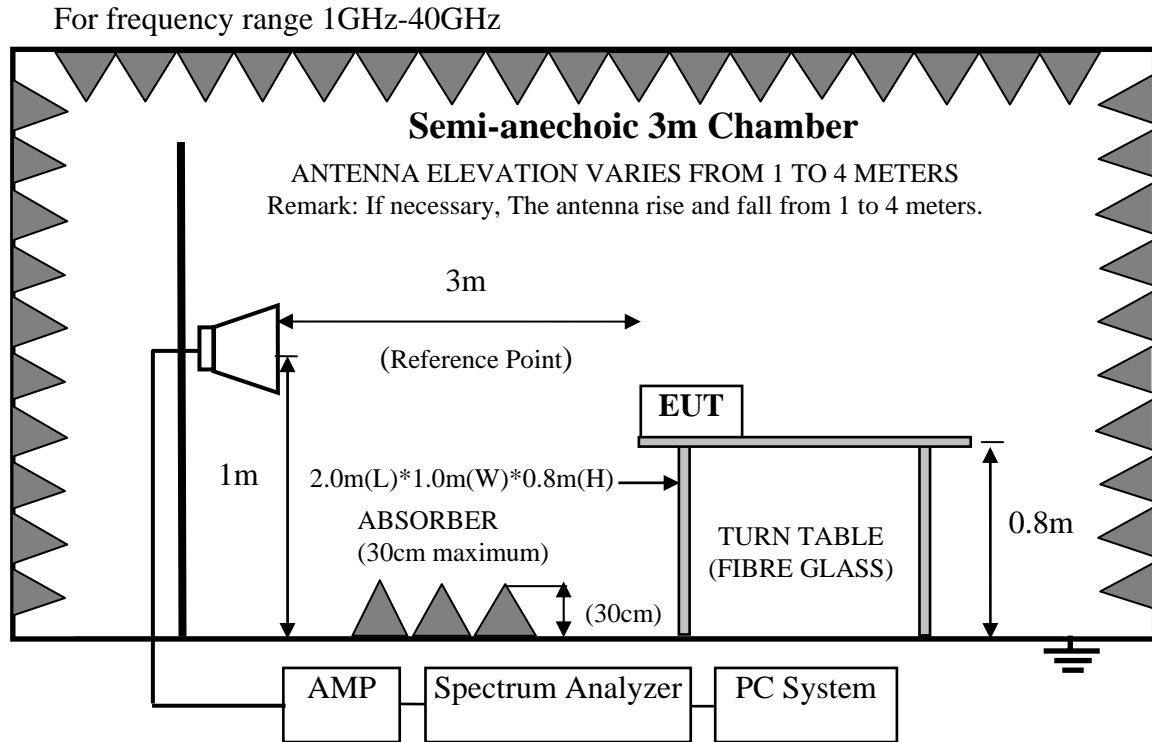
4.1.2. For frequency range 1GHz~40GHz (At Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 13	1 Year
2	Horn Antenna	EMCO	3115	9510-4580	May.28, 13	1 Year
3	Amplifier	Agilent	8449B	3008A00863	May.08, 13	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77980/6	May.08, 13	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	May.08, 13	1 Year
6	Horn Antenna	EMCO	3116	00060089	Aug.28, 13	1 Year

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz





4.3. Radiated Emission Limit

4.3.1. 15.247&209 limits

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

Remark : (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$

(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 configurations of EUT are listed in Section 3.4.

4.5.Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.5. except the test set up replaced by Section 4.2.

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.

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position as 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 VBW is set at 3MHz 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 10th harmonic (40GHz) are checked. and no any emissions were found from 18GHz to 40 GHz, So the radiated emissions from 18GHz to 40GHz were not record.

4.7.Radiated Emission Test Results

PASS.

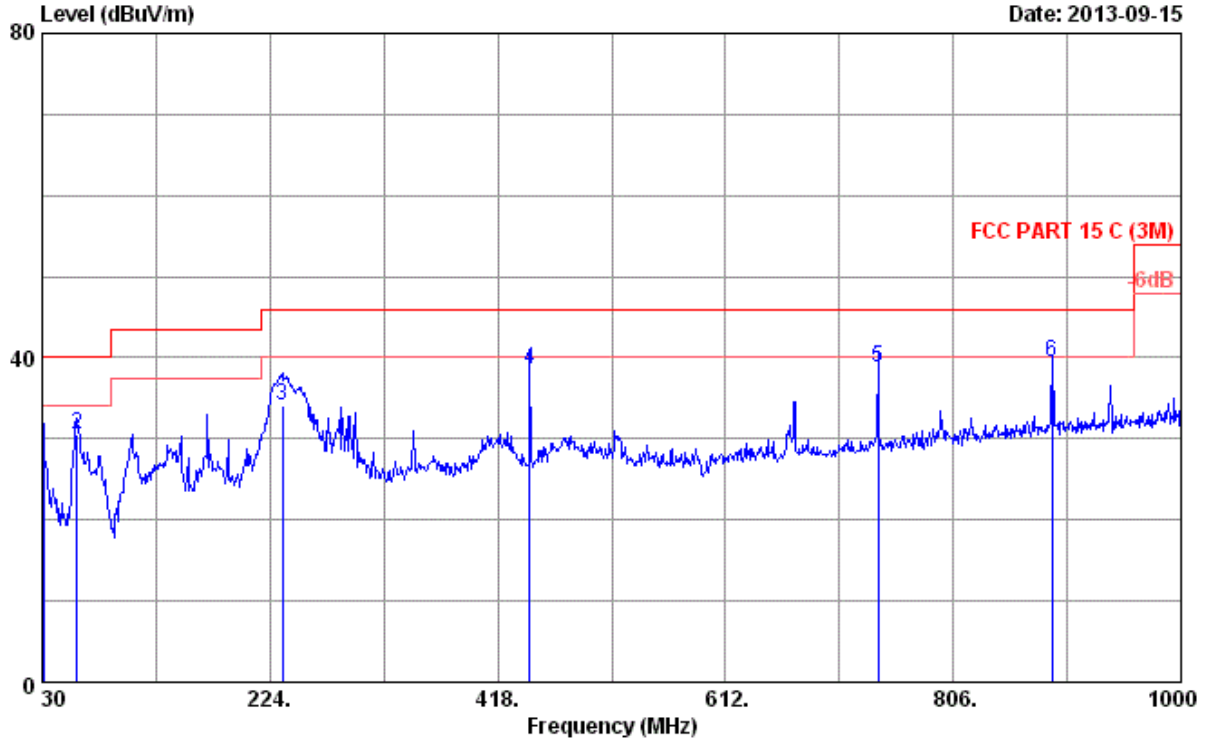
All the emissions from 30MHz to 40 GHz were comply with 15.209 limits.

Note: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

2.4G:
Frequency: 30MHz~1GHz

Data: 6 File: E:\2013 Report Data\TCL\ACS13Q1486.EM6 (6)

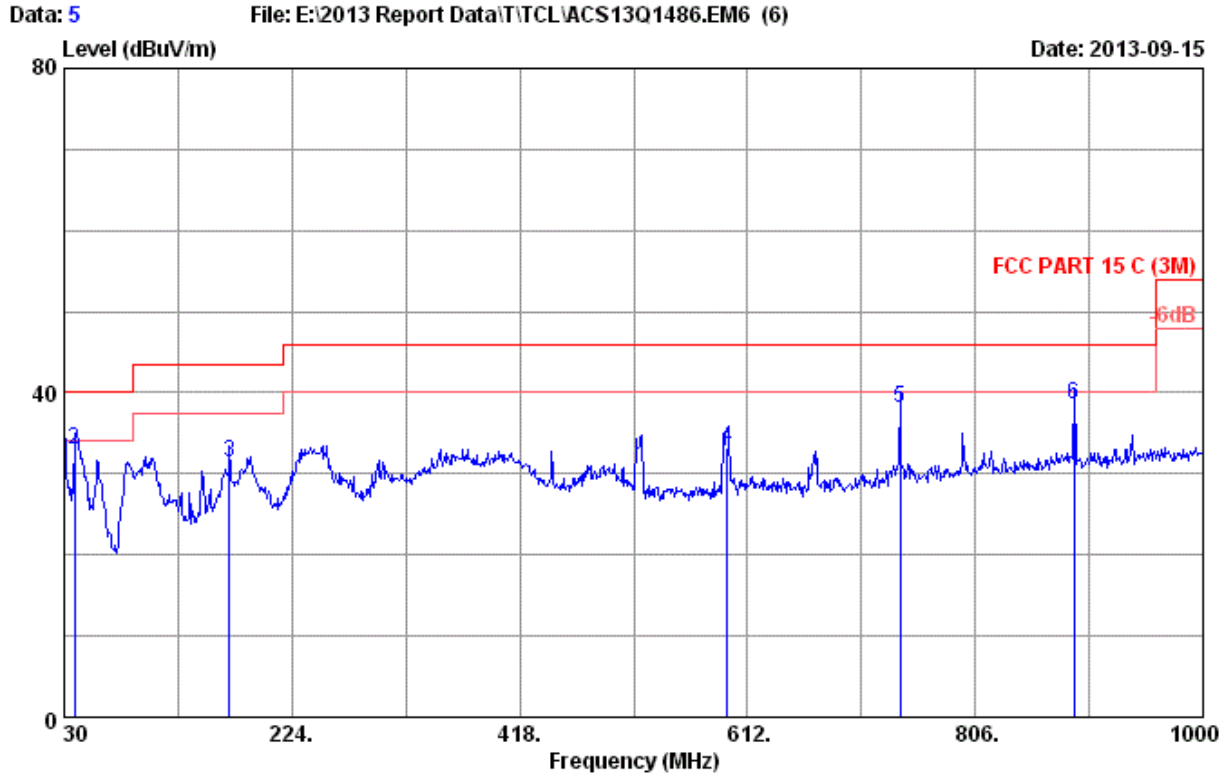
Date: 2013-09-15



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/65% Engineer : Kevin
 EUT : WIFI Module
 Power rating : DC 5V
 Test Mode : Tx Mode
 M/N:WAE22-DF01-AR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	19.47	0.85	9.47	29.79	40.00	10.21	QP
2	60.070	6.70	1.23	22.60	30.53	40.00	9.47	QP
3	234.670	11.67	1.92	20.55	34.14	46.00	11.86	QP
4	445.160	17.10	2.59	18.92	38.61	46.00	7.39	QP
5	741.980	20.30	3.44	15.08	38.82	46.00	7.18	QP
6	890.390	21.59	3.89	13.86	39.34	46.00	6.66	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. : 5
 Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/65% Engineer : Kevin
 EUT : WIFI Module
 Power rating : DC 5V
 Test Mode : Tx Mode
 M/N:WAE22-DF01-AR

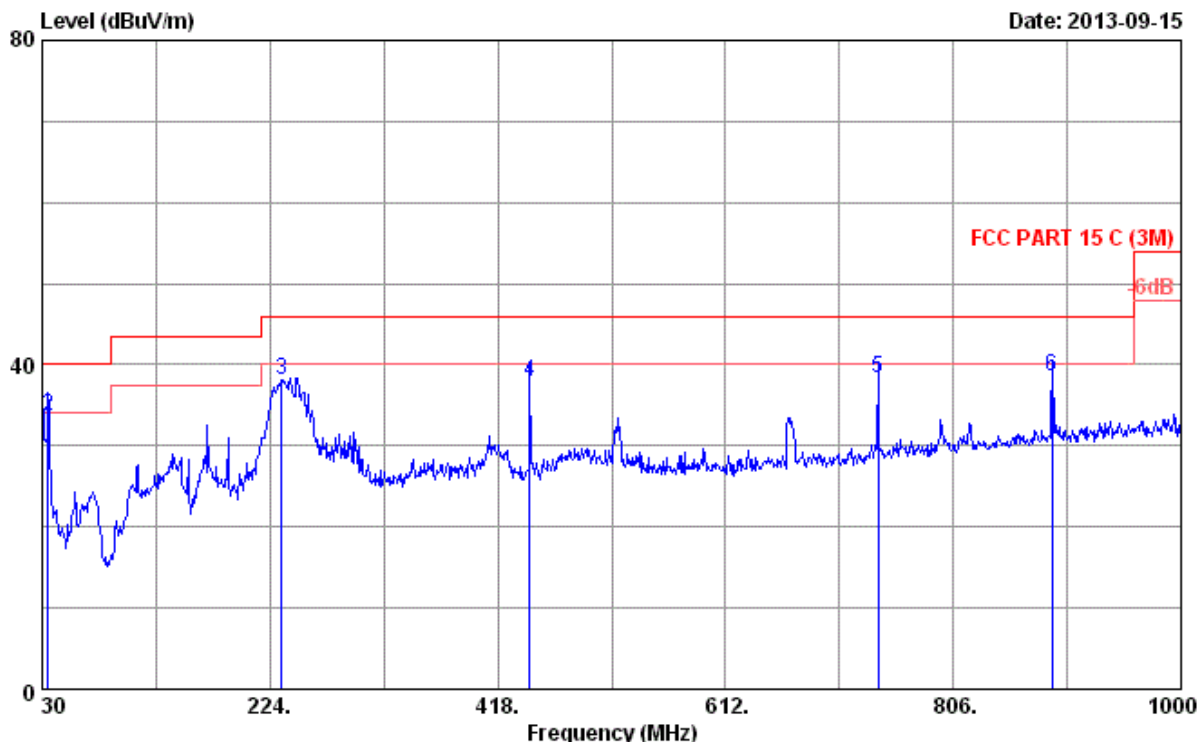
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	20.10	0.83	12.58	33.51	40.00	6.49	QP
2	38.730	14.80	0.99	17.25	33.04	40.00	6.96	QP
3	170.650	10.17	1.68	19.64	31.49	43.50	12.01	QP
4	594.540	19.09	3.02	11.13	33.24	46.00	12.76	QP
5	741.980	20.30	3.44	14.40	38.14	46.00	7.86	QP
6	890.390	21.59	3.89	12.96	38.44	46.00	7.56	QP

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

5.8G:
Frequency: 30MHz~1GHz

Data: 4 File: E:\2013 Report Data\TCL\ACS13Q1486.EM6 (6)

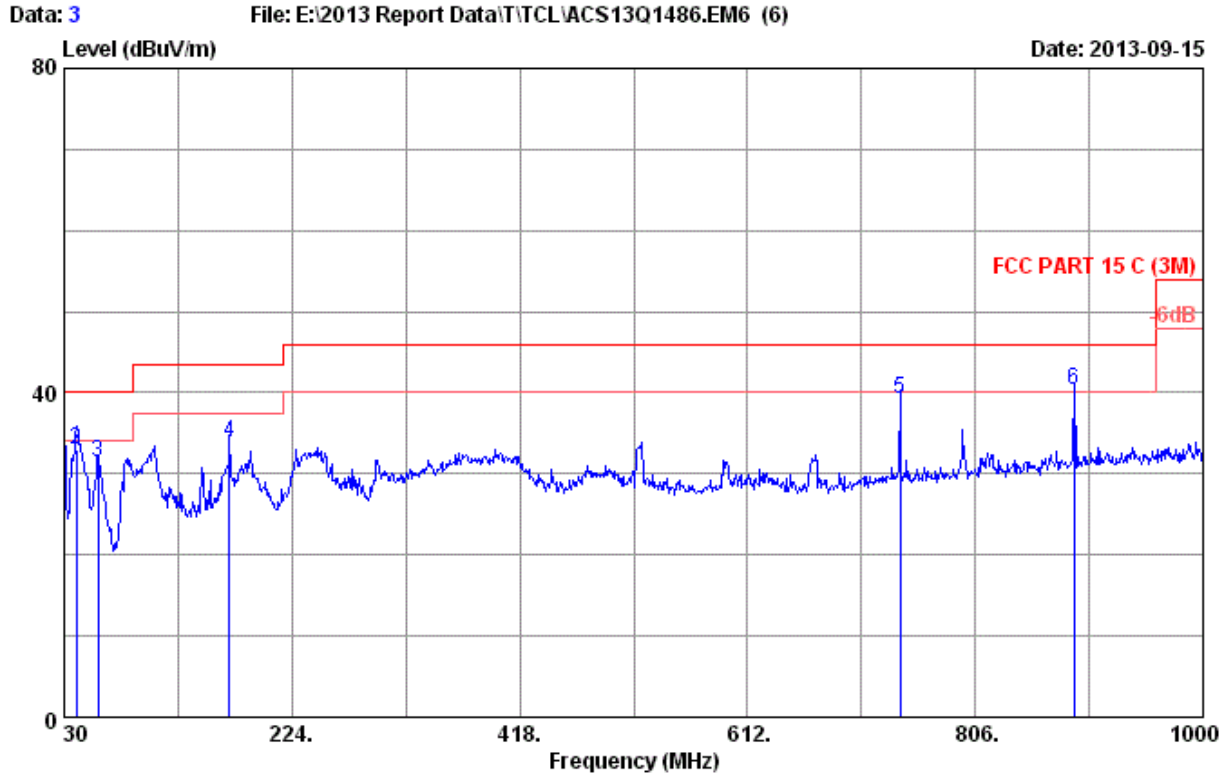
Date: 2013-09-15



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/65% Engineer : Kevin
 EUT : WIFI Module
 Power rating : DC 5V
 Test Mode : Tx Mode
 M/N:WAE22-DF01-AR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	20.10	0.83	13.06	33.99	40.00	6.01	QP
2	34.850	17.09	0.92	15.63	33.64	40.00	6.36	QP
3	233.700	11.59	1.92	24.64	38.15	46.00	7.85	QP
4	445.160	17.10	2.59	18.22	37.91	46.00	8.09	QP
5	741.980	20.30	3.44	14.60	38.34	46.00	7.66	QP
6	890.390	21.59	3.89	13.11	38.59	46.00	7.41	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. : 3
 Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/65% Engineer : Kevin
 EUT : WIFI Module
 Power rating : DC 5V
 Test Mode : Tx Mode
 M/N:WAE22-DF01-AR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	30.000	20.10	0.83	11.96	32.89	40.00	7.11	QP
2	40.670	13.70	1.02	18.24	32.96	40.00	7.04	QP
3	59.100	6.79	1.23	23.31	31.33	40.00	8.67	QP
4	170.650	10.17	1.68	21.97	33.82	43.50	9.68	QP
5	741.980	20.30	3.44	15.52	39.26	46.00	6.74	QP
6	890.390	21.59	3.89	14.75	40.23	46.00	5.77	QP

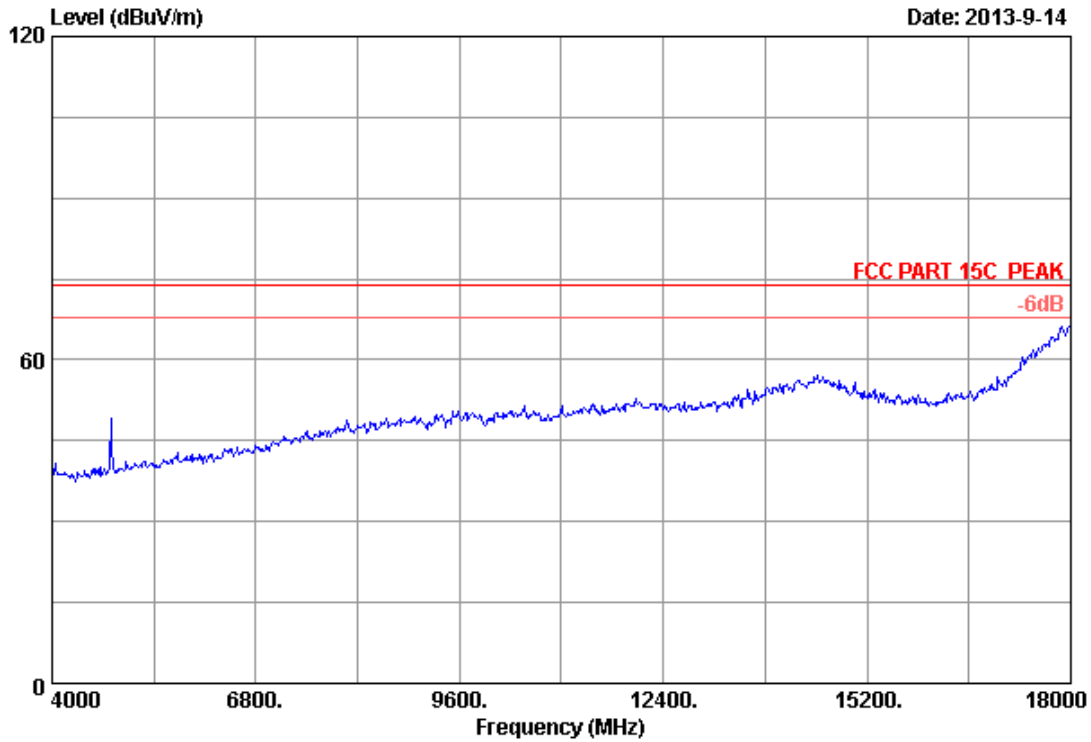
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

2.4G:**Frequency: 1GHz~6GHz**

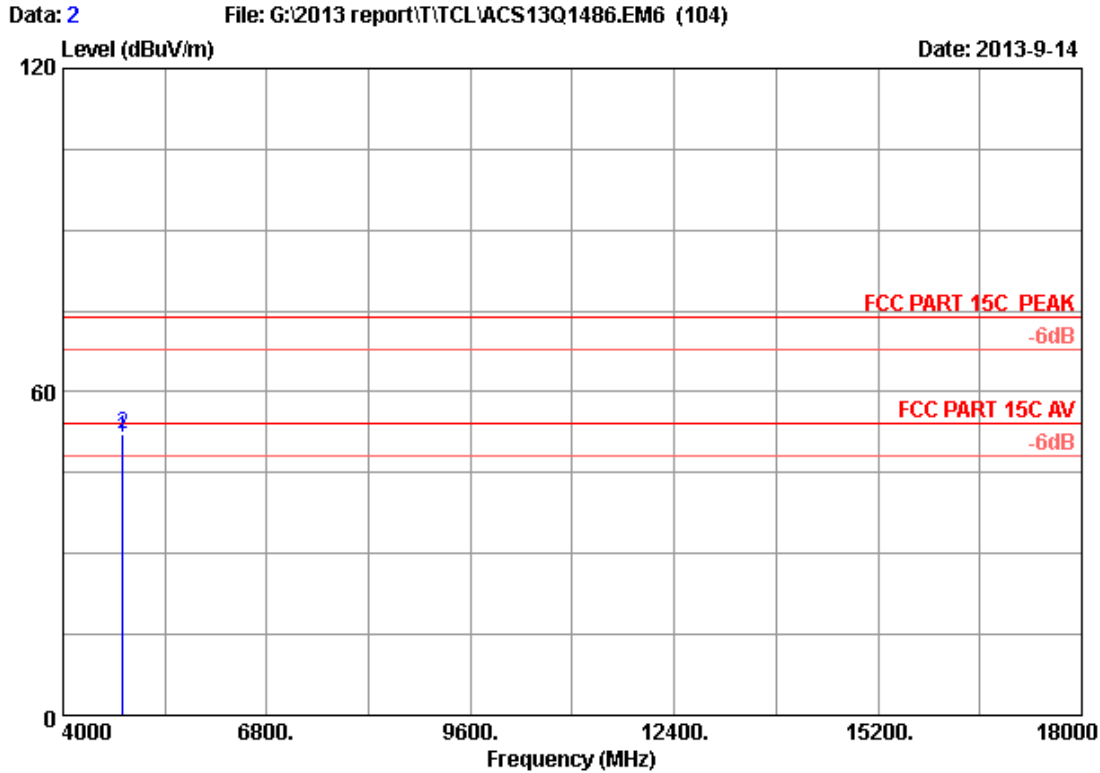
Data: 1

File: G:\2013 report\T\TCL\ACS13Q1486.EM6 (104)

Date: 2013-9-14



Site no.	: 3m Chamber	Data no.	: 1
Dis. / Ant.	: 3m 2013 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer	: Kevin_Hu
EUT	: WIFI Module		
Power supply	: DC 5V		
Test mode	: IEEE802.11b 2412MHz Tx Mode		
	: WAE22-DF01-AR		

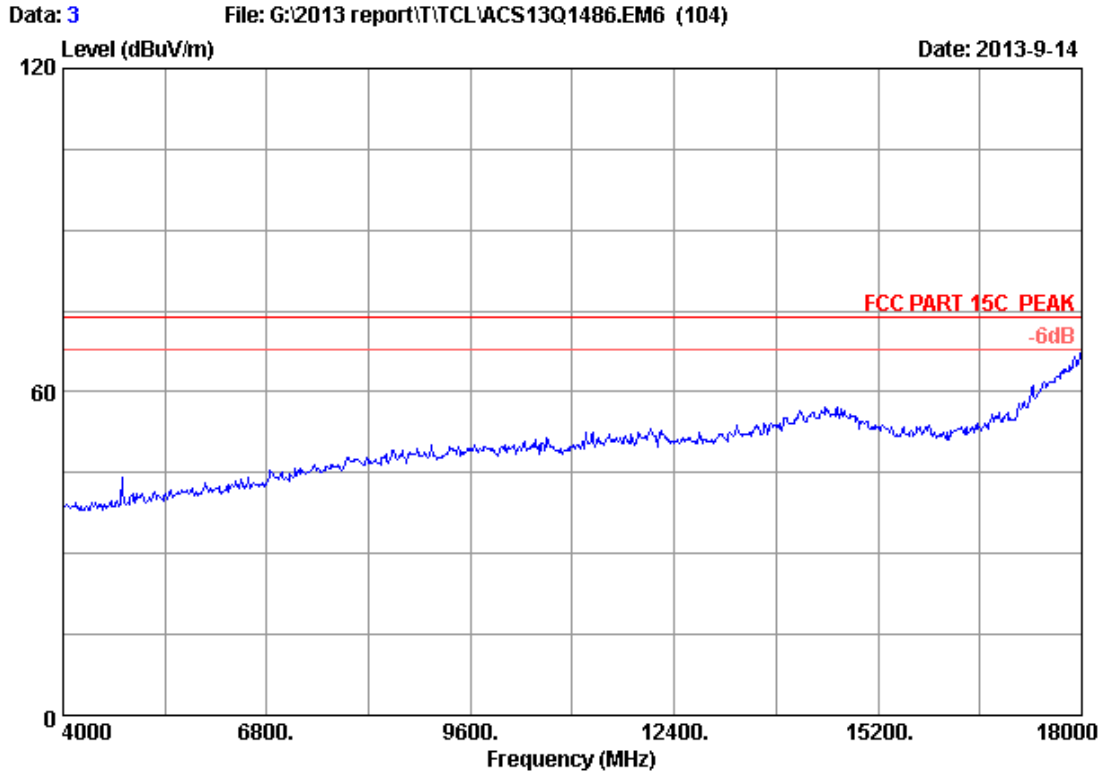


Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

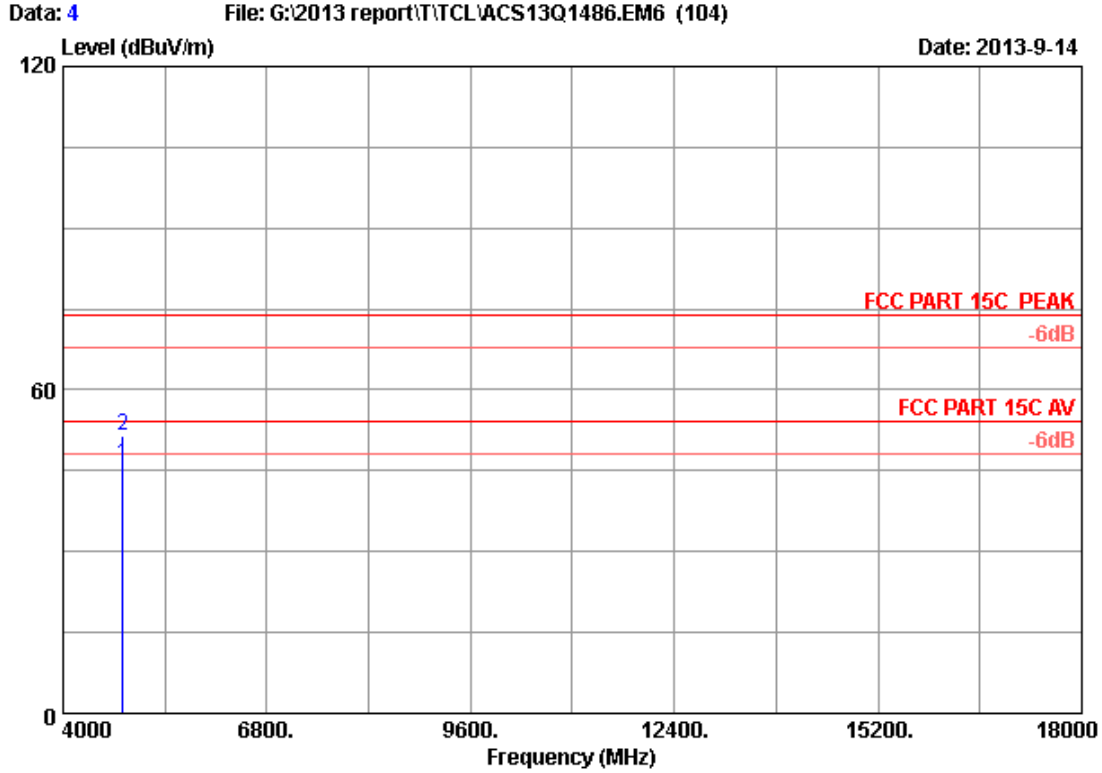
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4824.000	32.88	8.58	35.70	45.84	51.60	54.00	2.40	Average
2	4824.000	32.88	8.58	35.70	46.45	52.21	74.00	21.79	Peak

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. : 3
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11b 2412MHz Tx Mode
WAE22-DF01-AR

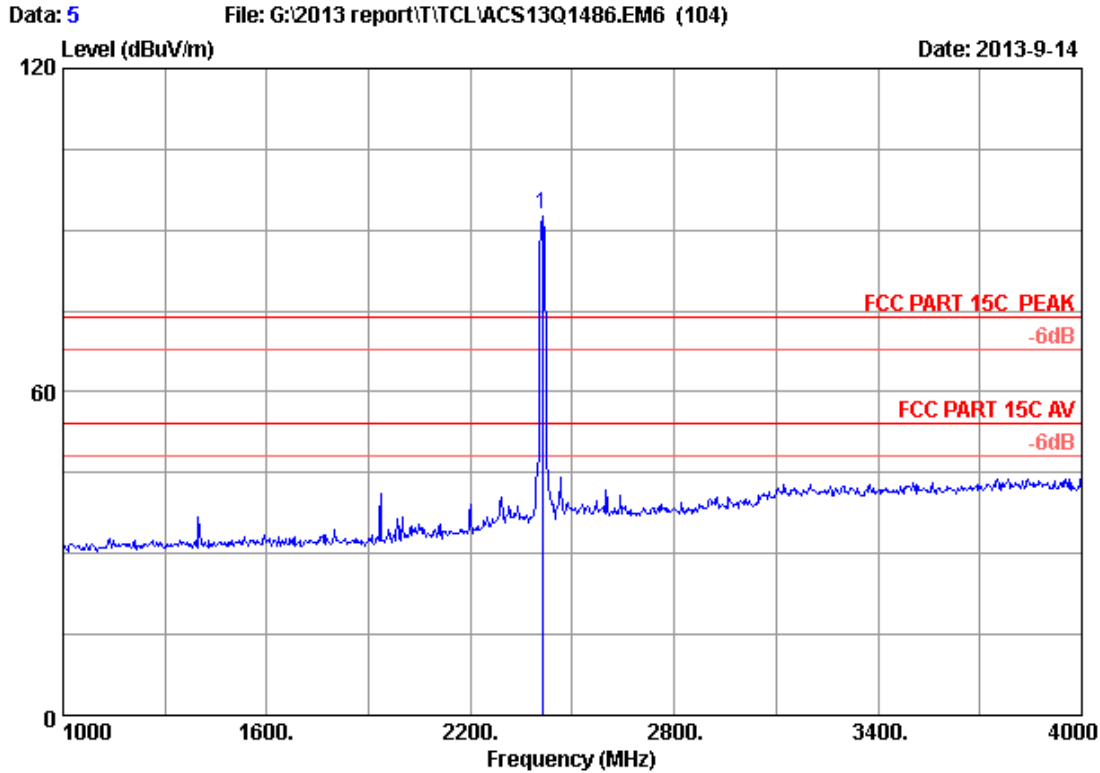


Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	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	32.88	8.58	35.70	40.47	46.23	54.00	7.77	Average
2	4824.000	32.88	8.58	35.70	45.61	51.37	74.00	22.63	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.

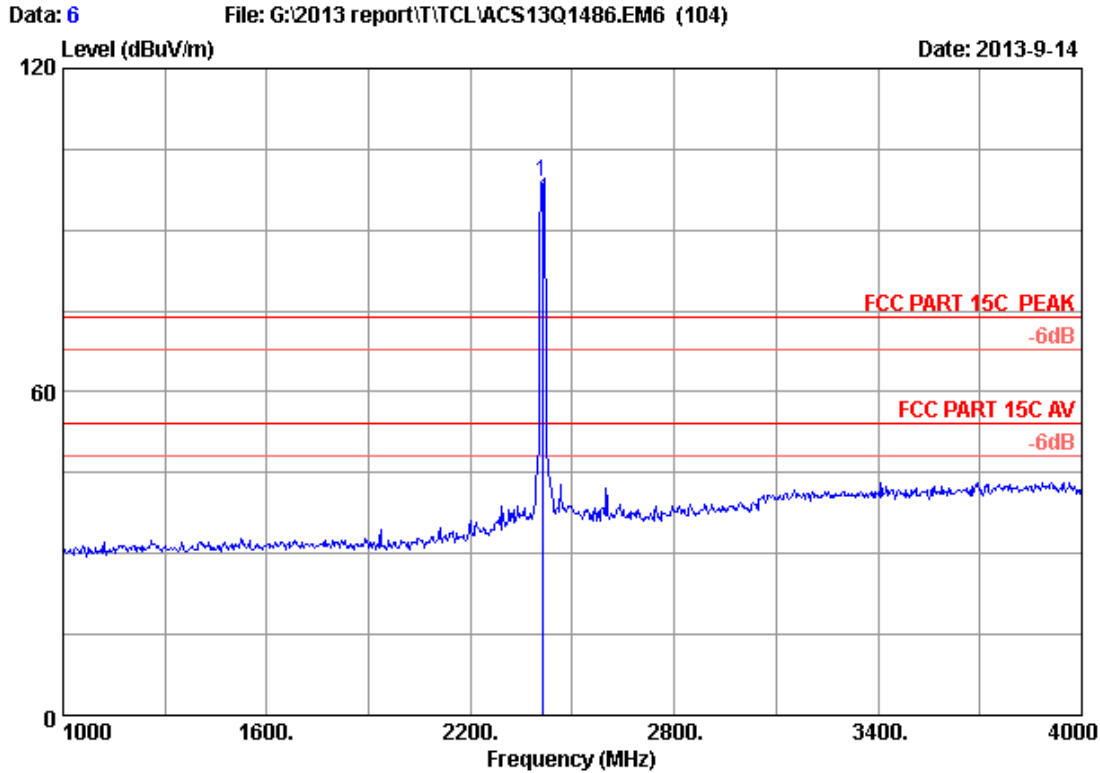


Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	28.21	5.81	35.70	94.56	92.88	74.00	-18.88	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.

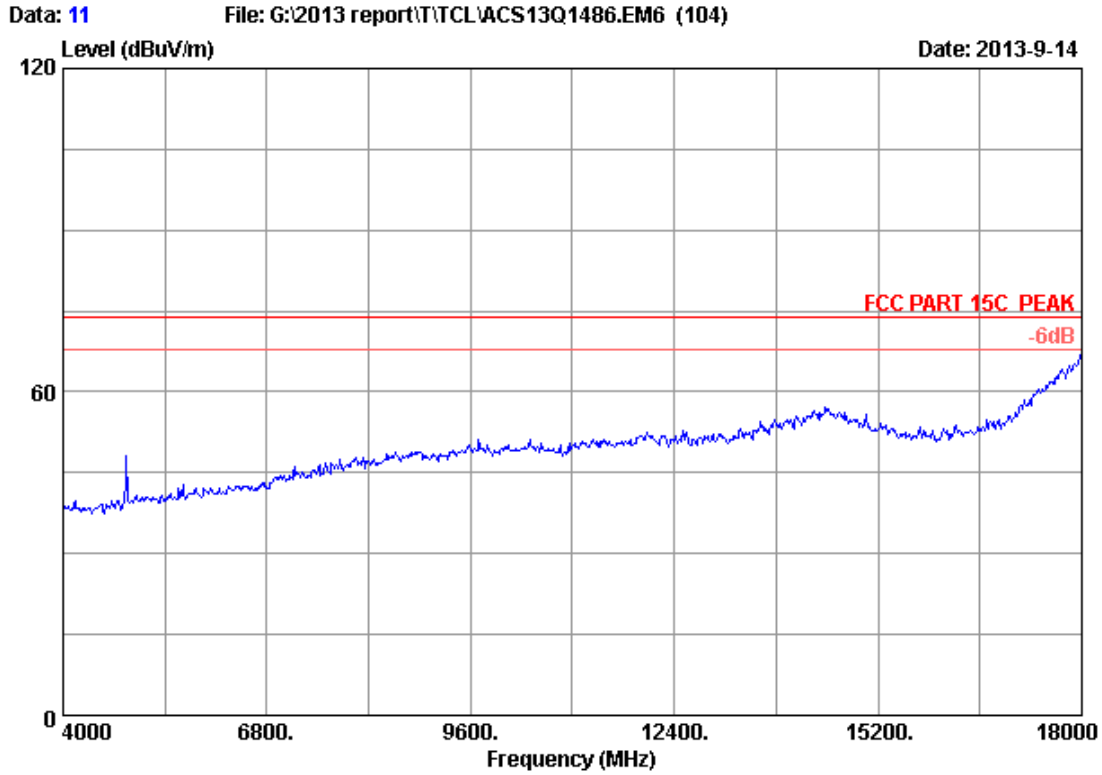


Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2412MHz Tx Mode
 WAE22-DF01-AR

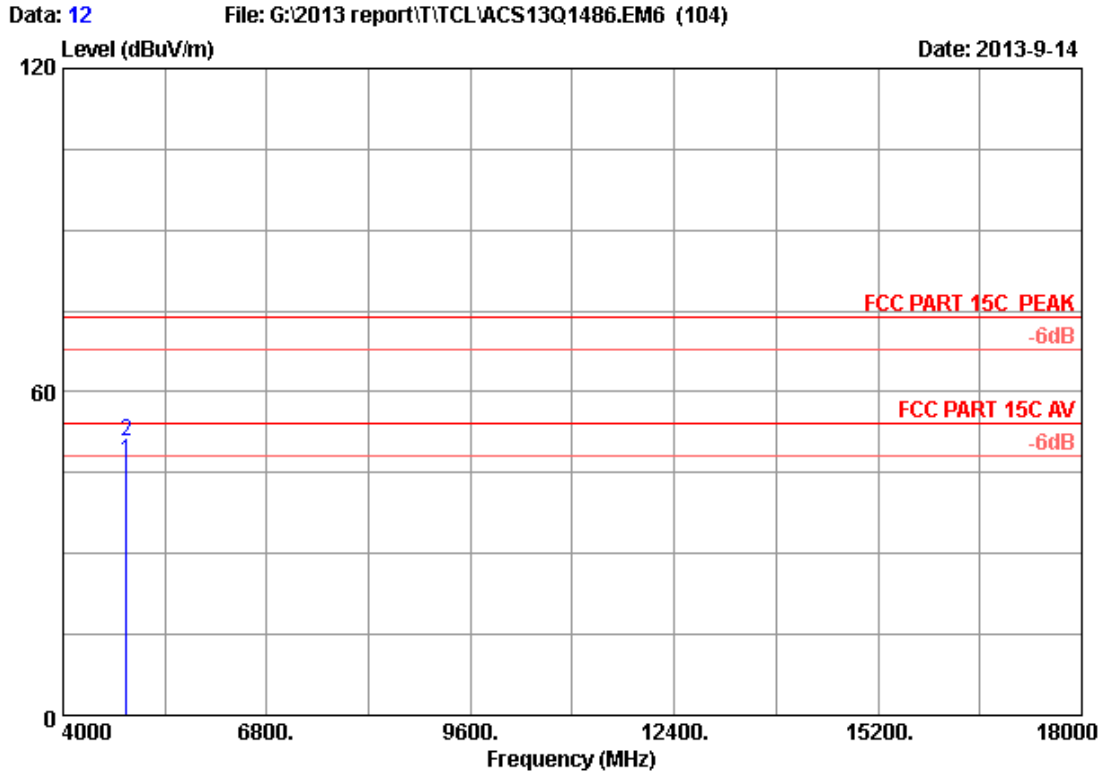
	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2412.000	28.21	5.81	35.70	100.67	98.99	74.00	-24.99	Peak

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 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11b 2437MHz Tx Mode
WAE22-DF01-AR

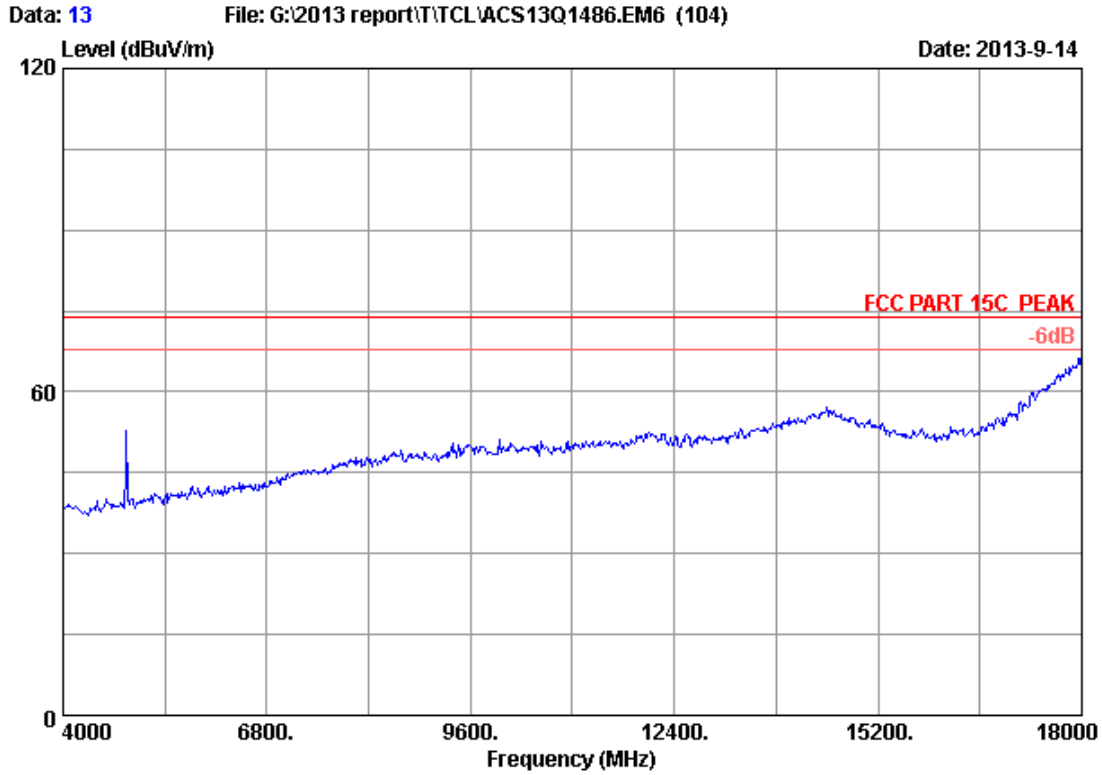


Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2437MHz Tx Mode
 WAE22-DF01-AR

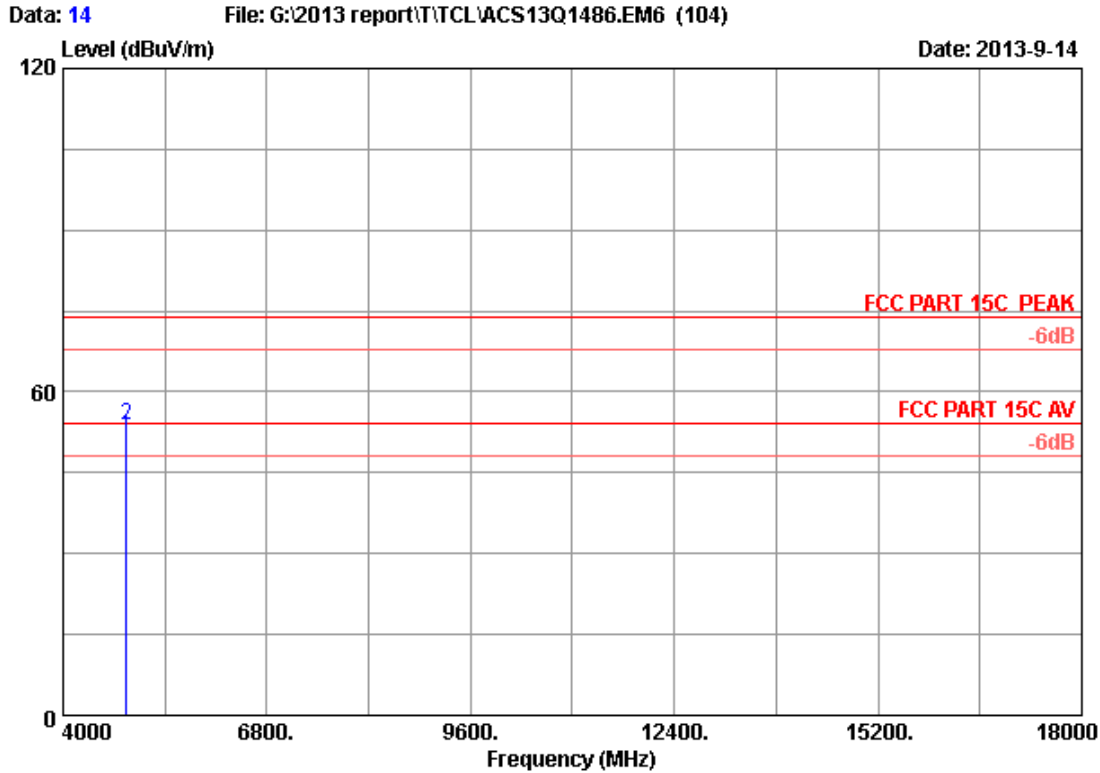
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.97	8.63	35.70	41.15	47.05	54.00	6.95	Average
2	4874.000	32.97	8.63	35.70	44.96	50.86	74.00	23.14	Peak

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.



Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11b 2437MHz Tx Mode
WAE22-DF01-AR

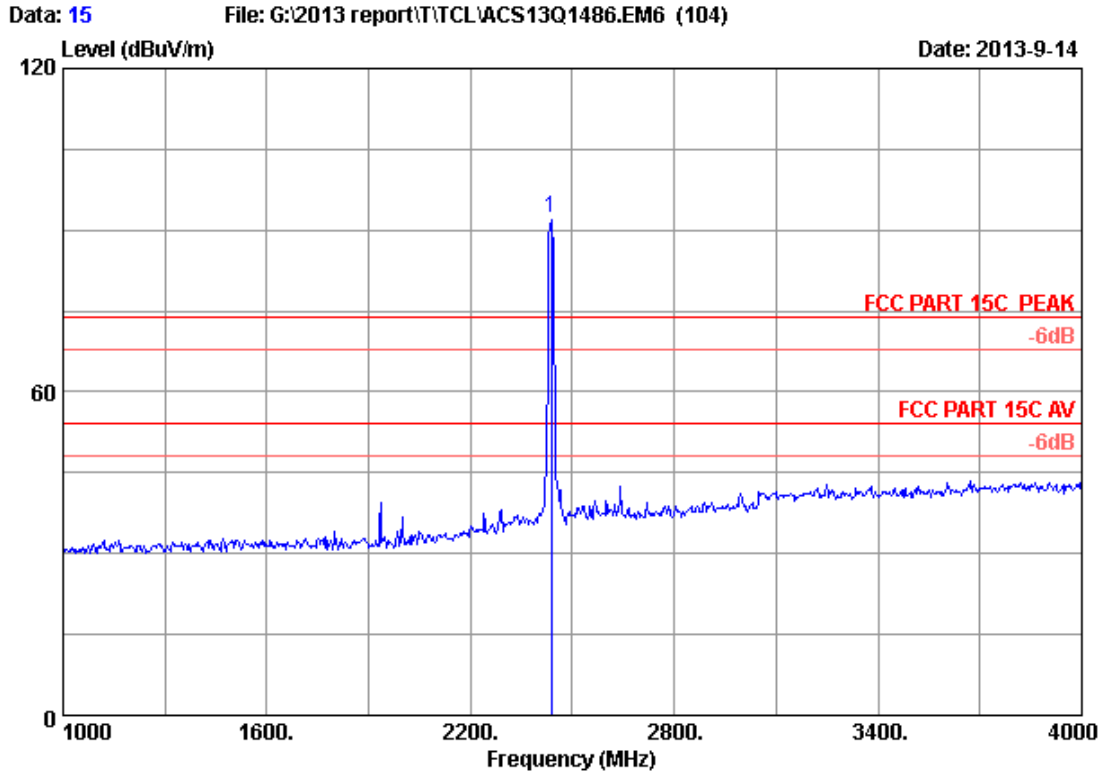


Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2437MHz Tx Mode
 WAE22-DF01-AR

	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	4874.000	32.97	8.63	35.70	45.76	51.66	54.00	2.34	Average
2	4874.000	32.97	8.63	35.70	47.96	53.86	74.00	20.14	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.

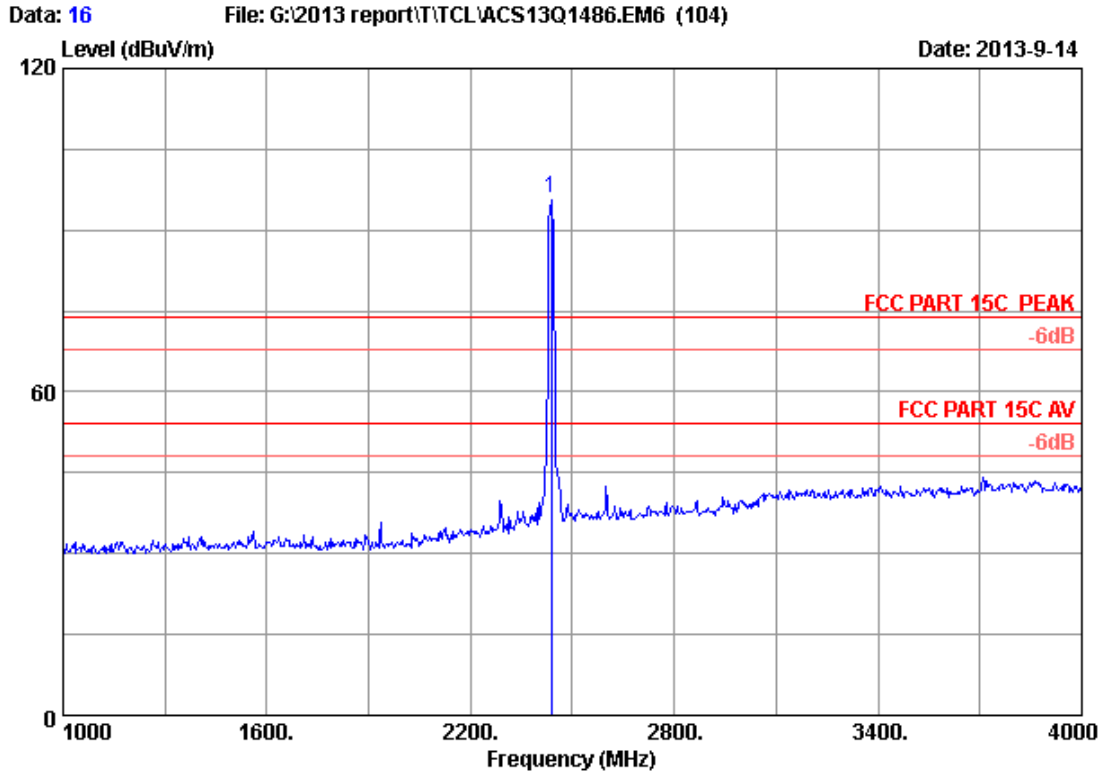


Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2437MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2437.000	28.26	5.85	35.70	93.73	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.

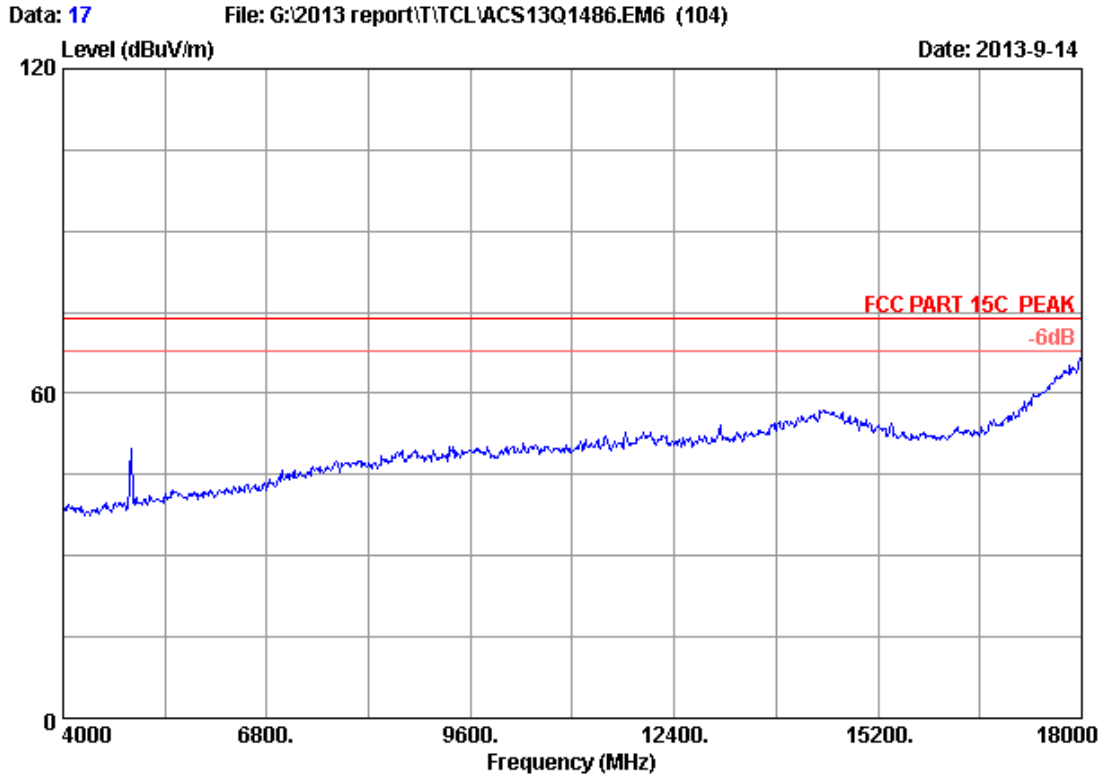


Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2437MHz Tx Mode
 WAE22-DF01-AR

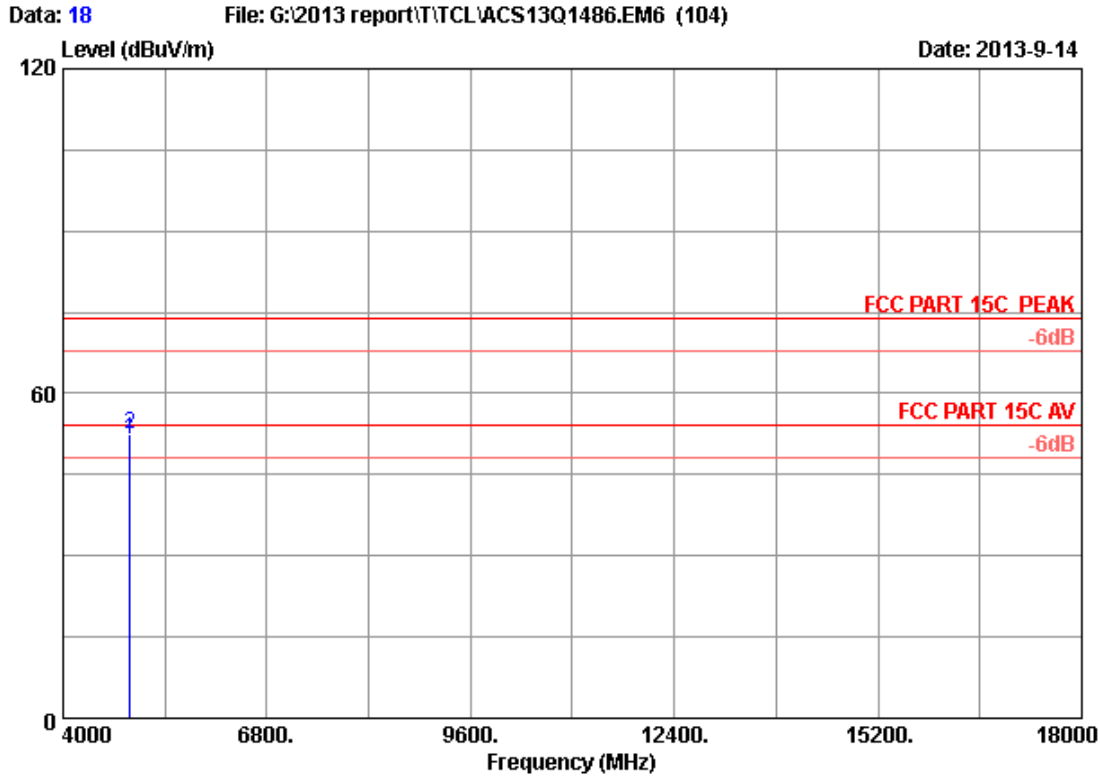
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.26	5.85	35.70	97.59	96.00	74.00	-22.00	Peak

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 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11b 2462MHz Tx Mode
WAE22-DF01-AR

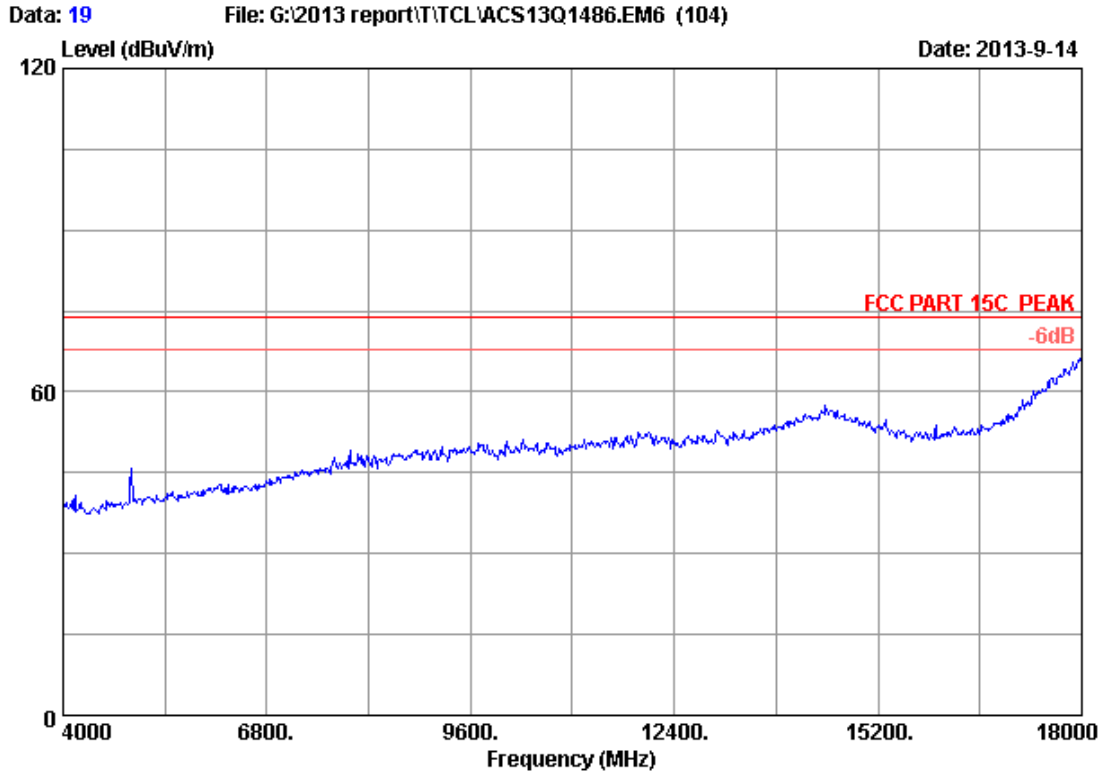


Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

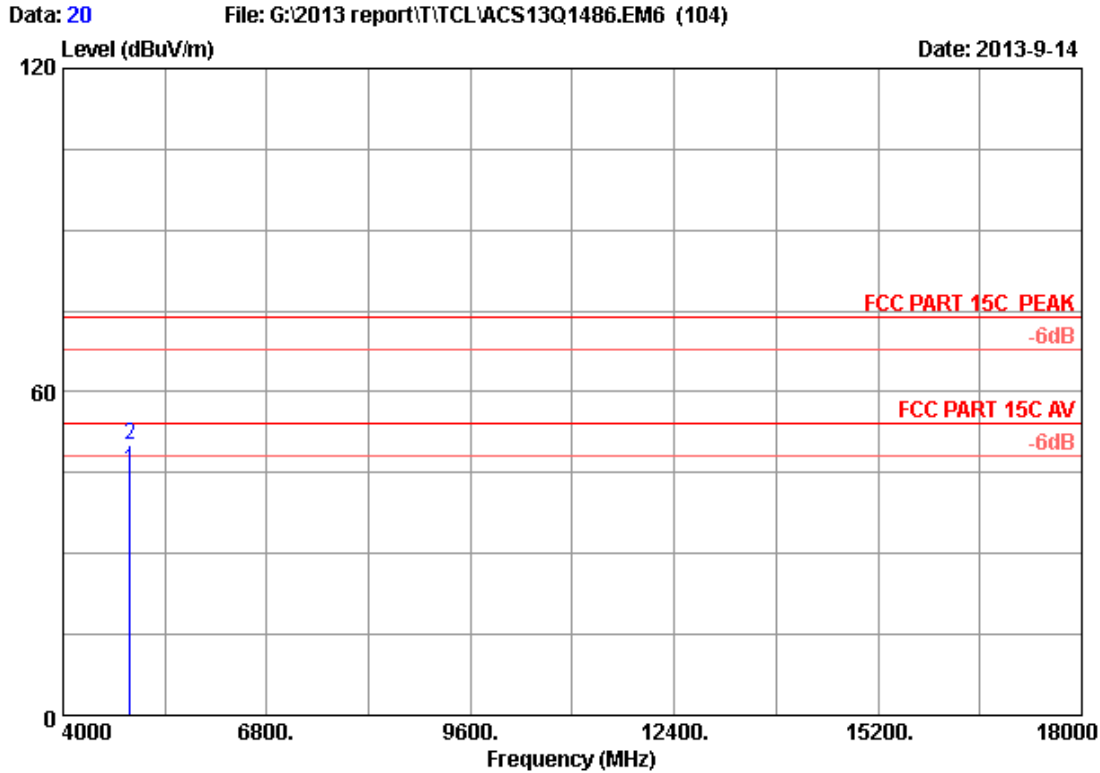
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.06	8.69	35.70	45.36	51.41	54.00	2.59	Average
2	4924.000	33.06	8.69	35.70	46.41	52.46	74.00	21.54	Peak

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 2013 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer	: Kevin_Hu
EUT	: WIFI Module		
Power supply	: DC 5V		
Test mode	: IEEE802.11b 2462MHz Tx Mode		
	: WAE22-DF01-AR		

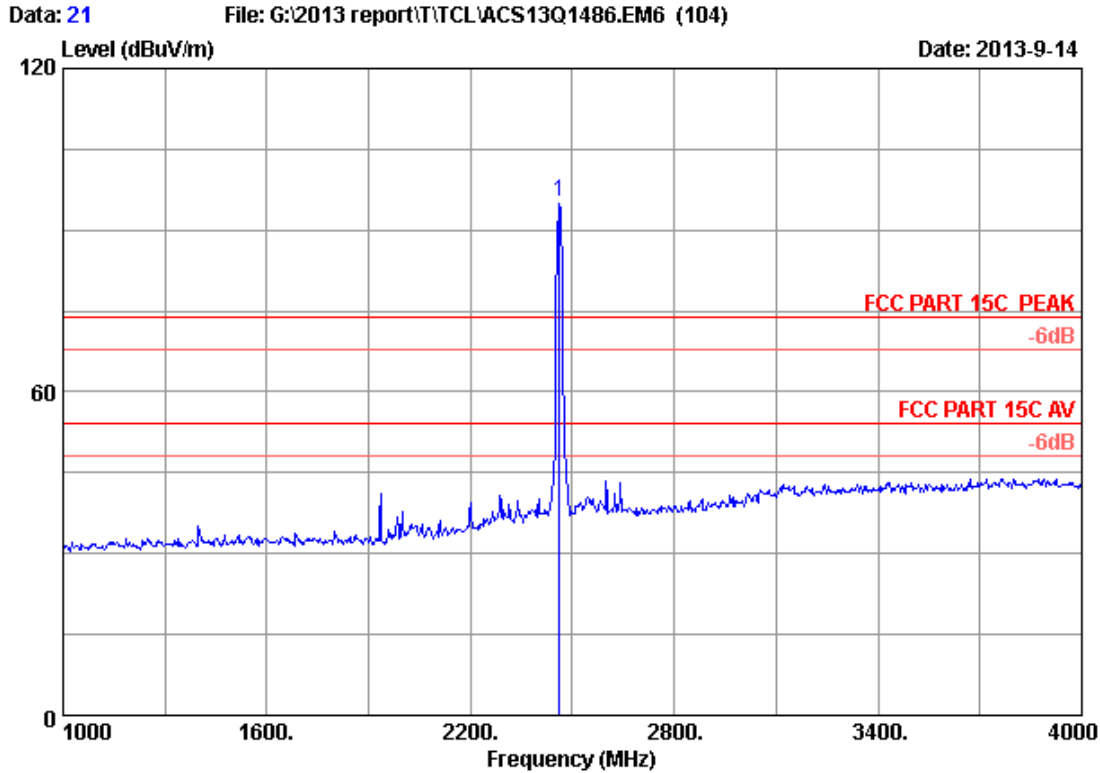


Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	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	33.06	8.69	35.70	39.41	45.46	54.00	8.54	Average
2	4924.000	33.06	8.69	35.70	44.01	50.06	74.00	23.94	Peak

Remarks:

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

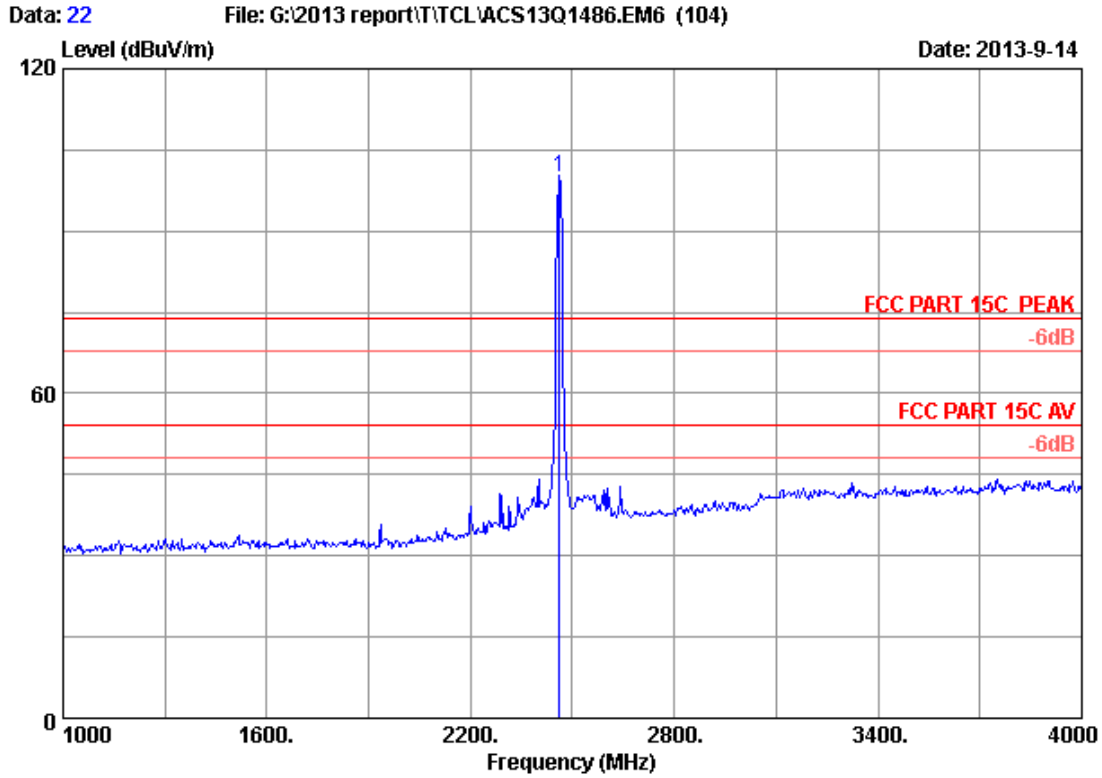


Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	96.79	95.30	74.00	-21.30	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.

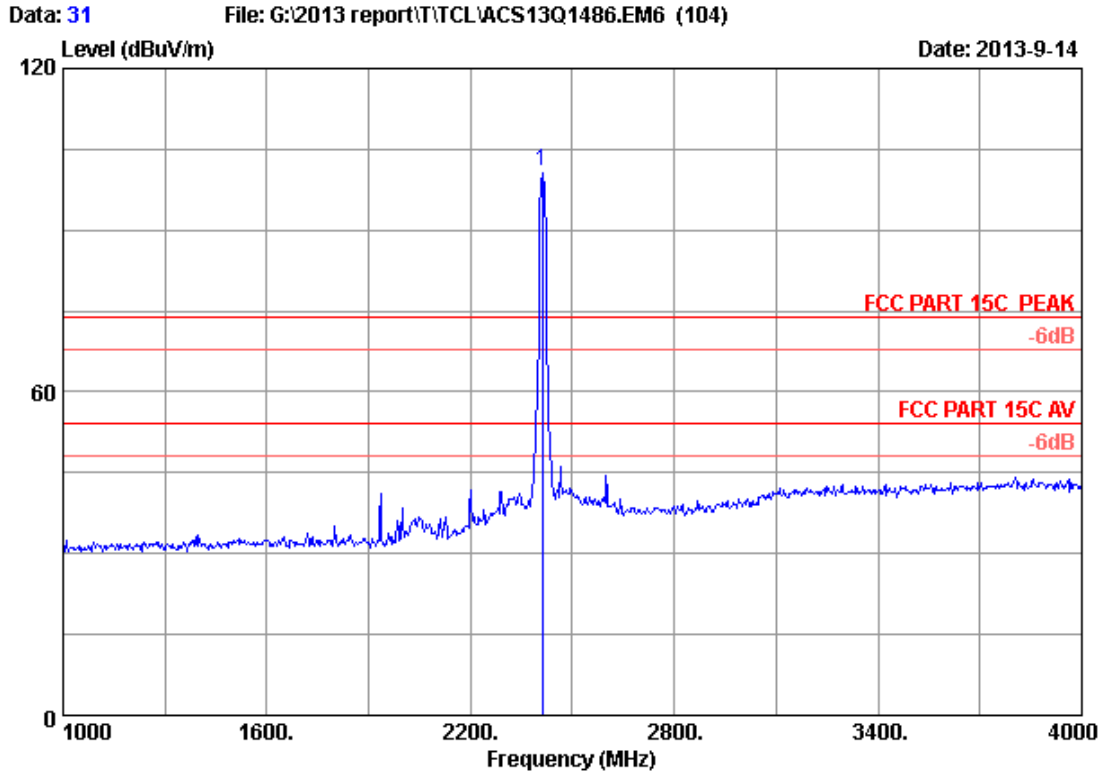


Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11b 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	101.29	99.80	74.00	-25.80	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.

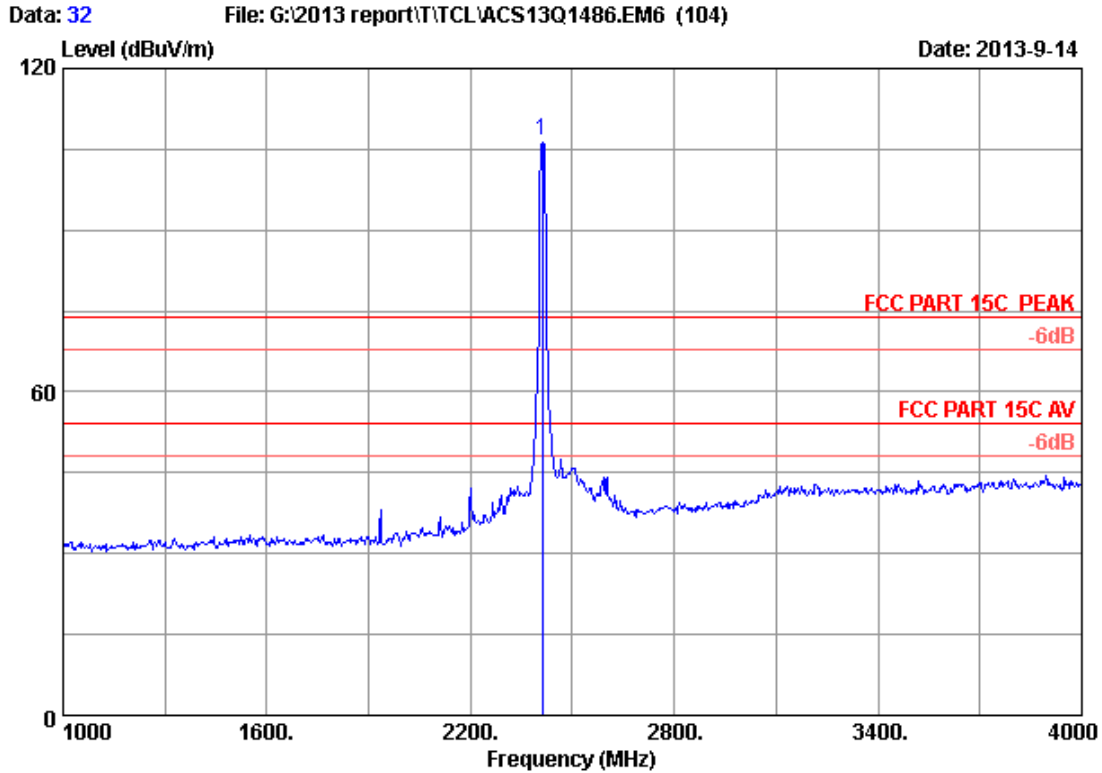


Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.21	5.81	35.70	102.76	101.08	74.00	-27.08	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.

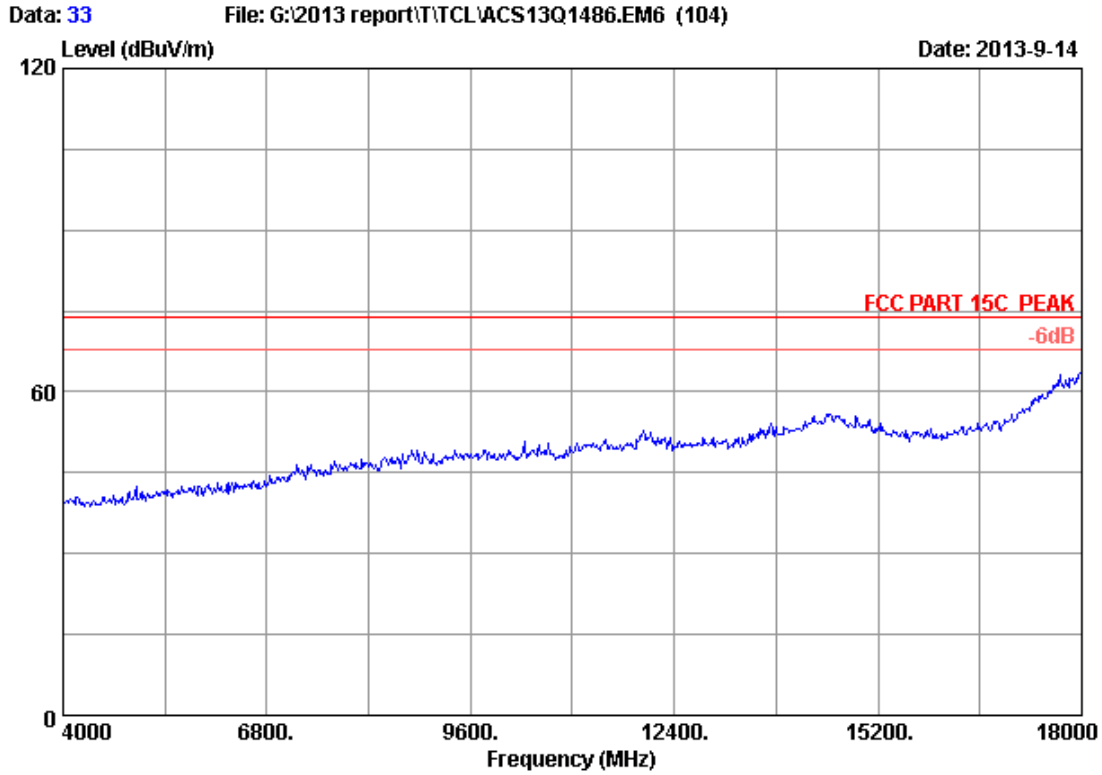


Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

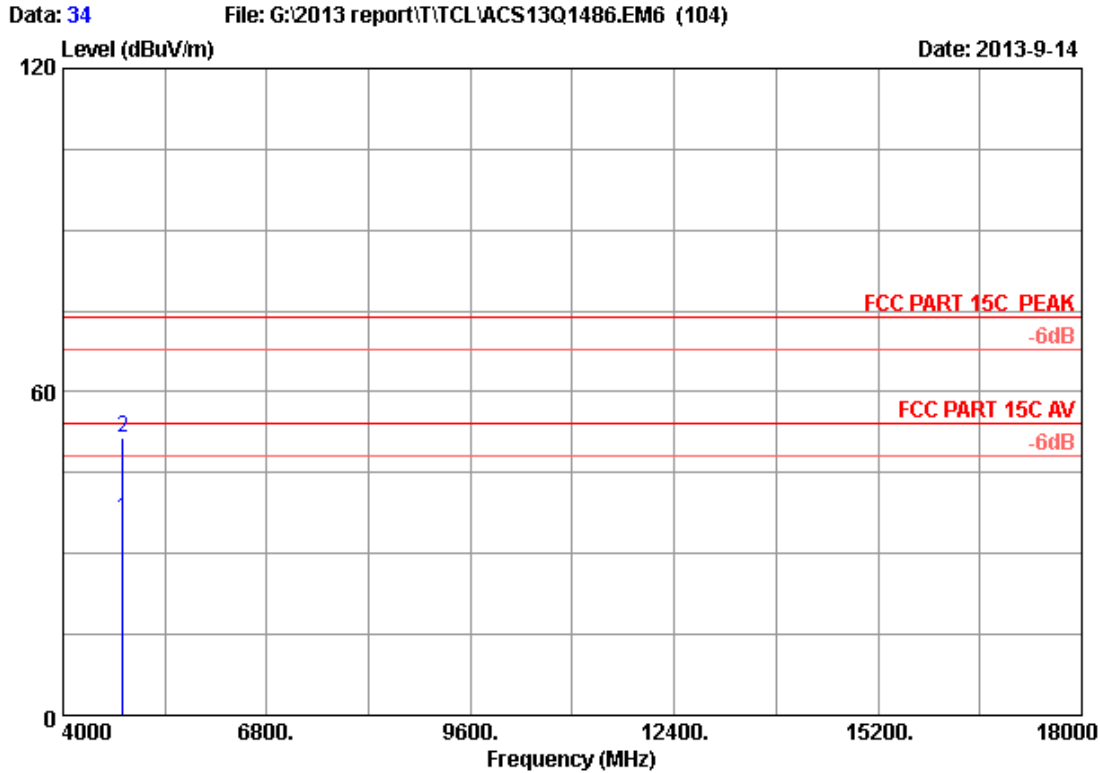
	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2412.000	28.21	5.81	35.70	108.26	106.58	74.00	-32.58	Peak

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.



Site no.	: 3m Chamber	Data no.	: 33
Dis. / Ant.	: 3m 2013 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer	: Kevin_Hu
EUT	: WIFI Module		
Power supply	: DC 5V		
Test mode	: IEEE802.11g 2412MHz Tx Mode		
	: WAE22-DF01-AR		

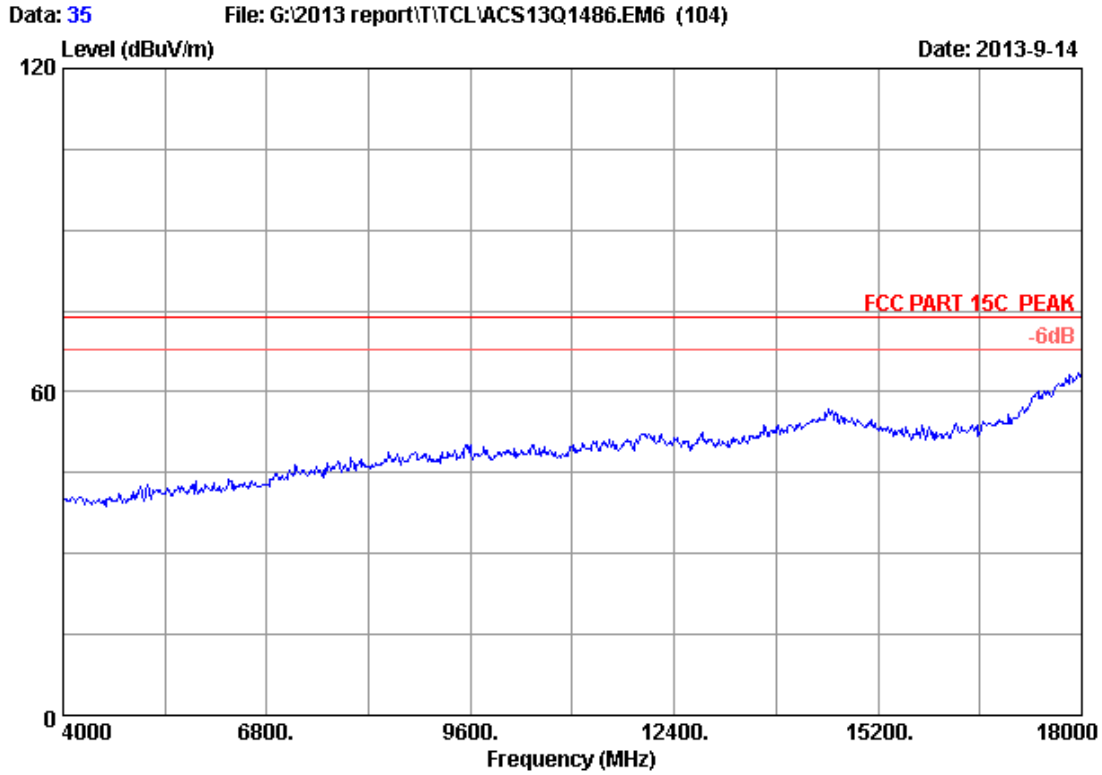


Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

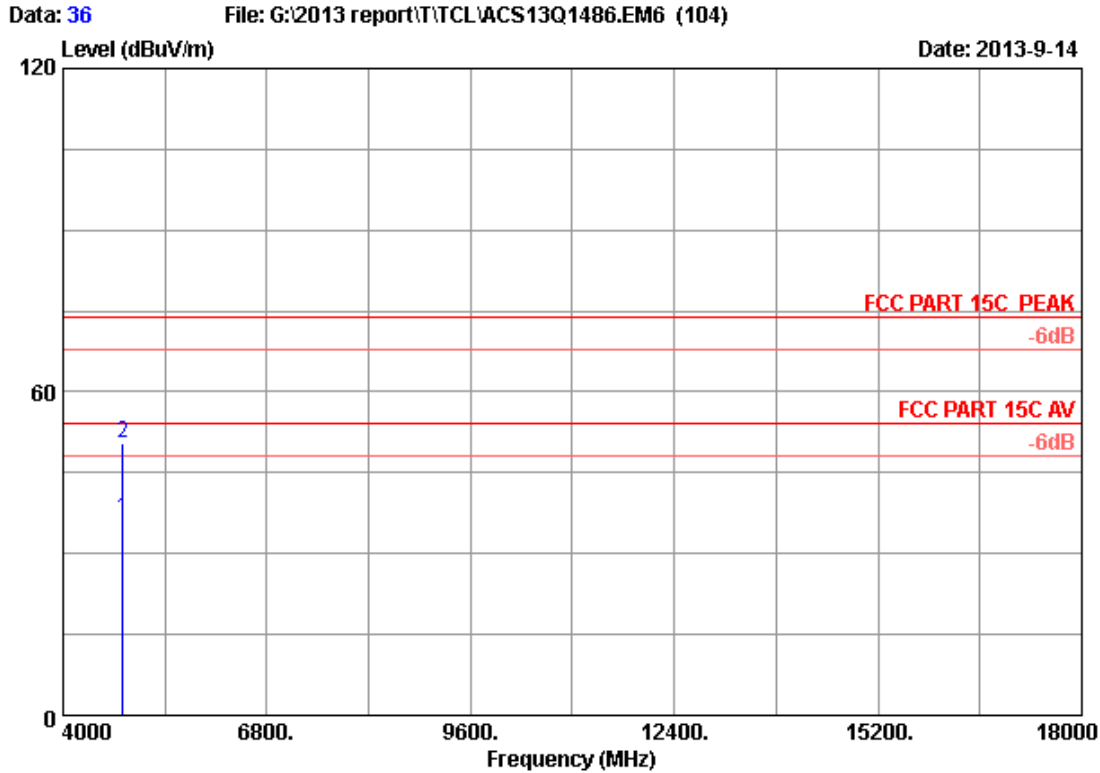
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	32.88	8.58	35.70	30.78	36.54	54.00	17.46	Average
2	4824.000	32.88	8.58	35.70	45.66	51.42	74.00	22.58	Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11g 2412MHz Tx Mode
WAE22-DF01-AR

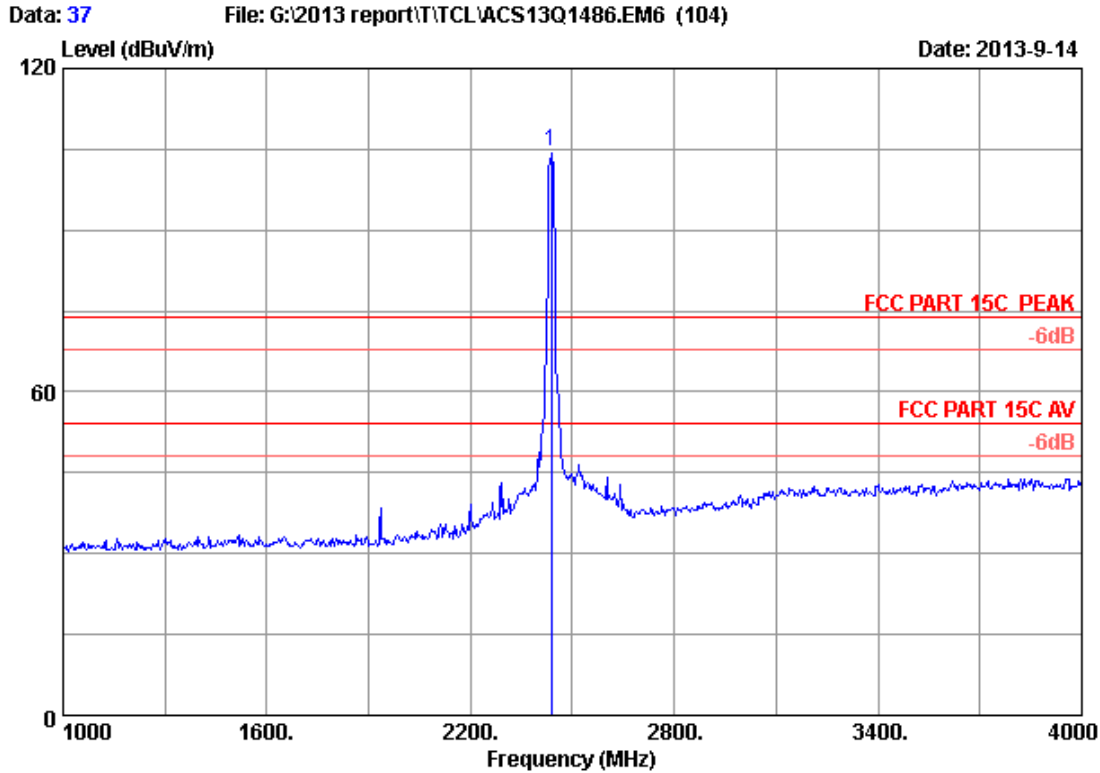


Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2412MHz Tx Mode
 WAE22-DF01-AR

	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	32.88	8.58	35.70	30.52	36.28	54.00	17.72	Average
2	4824.000	32.88	8.58	35.70	44.57	50.33	74.00	23.67	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.

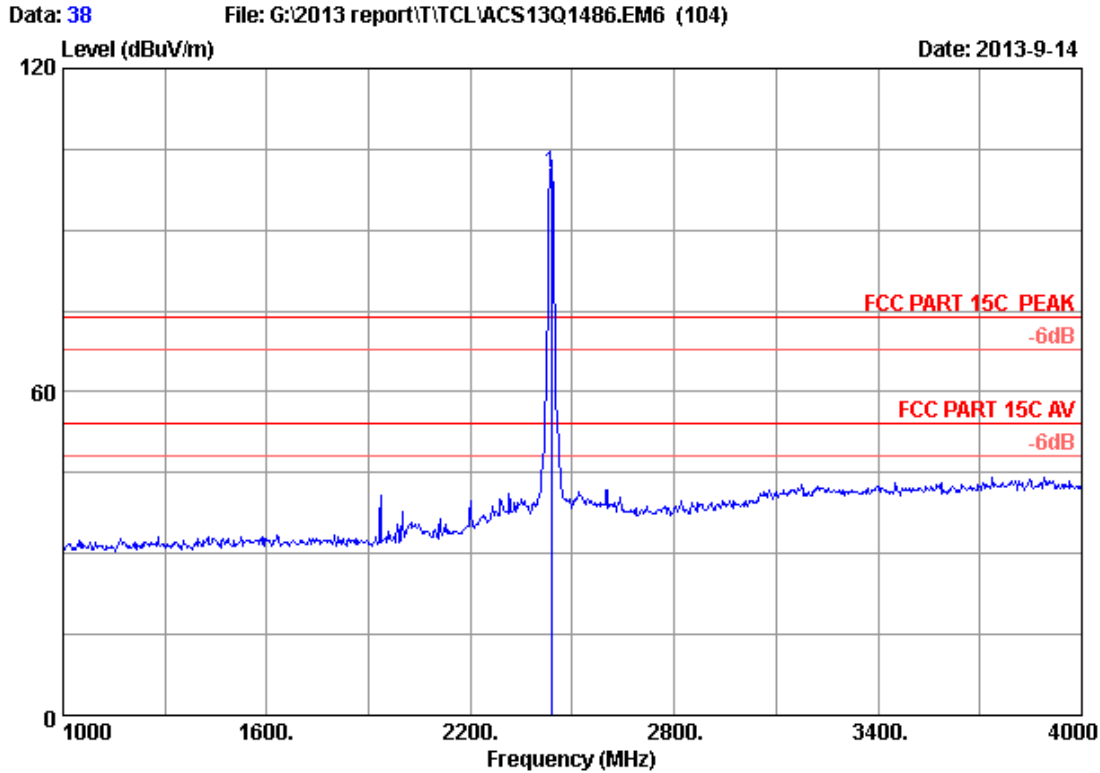


Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2437MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.26	5.85	35.70	106.21	104.62	74.00	-30.62	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.

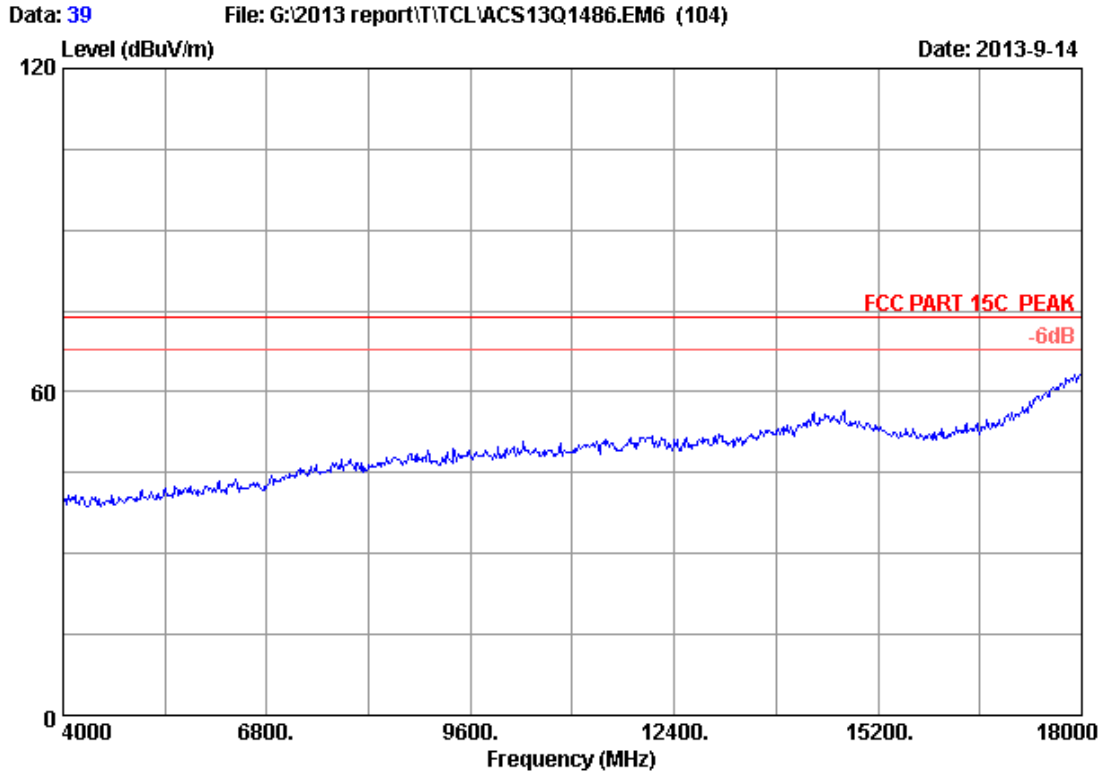


Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2437MHz Tx Mode
 WAE22-DF01-AR

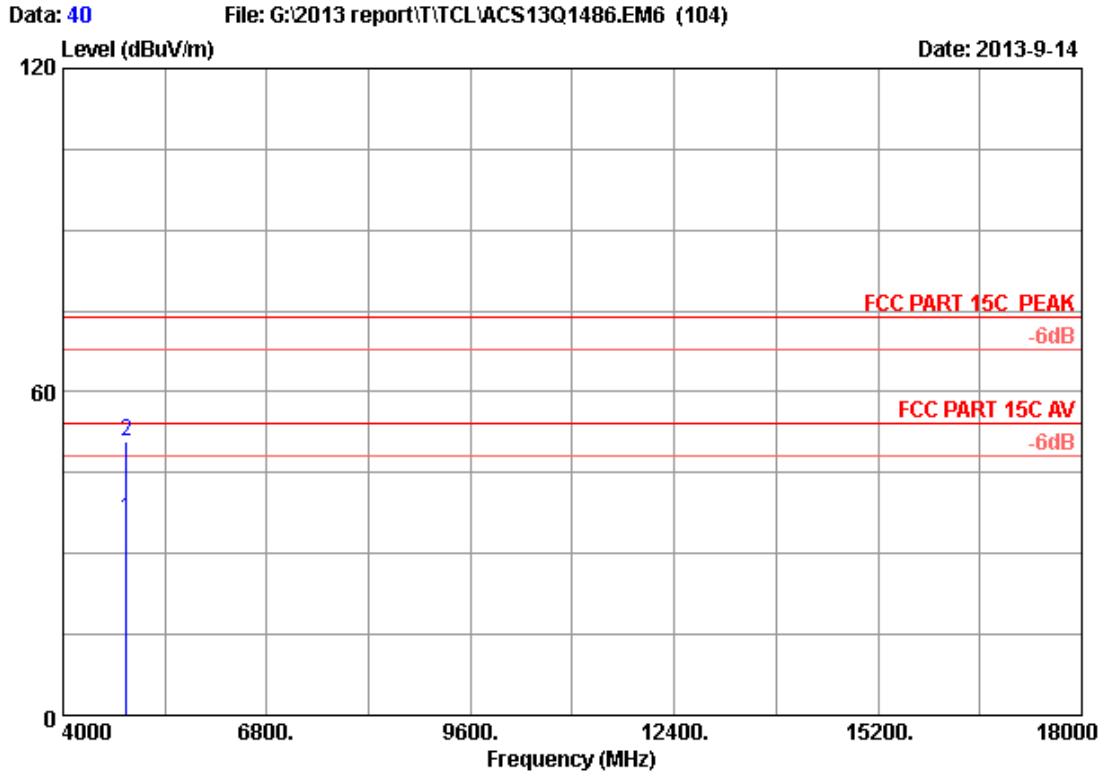
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.26	5.85	35.70	102.19	100.60	74.00	-26.60	Peak

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 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11g 2437MHz Tx Mode
WAE22-DF01-AR

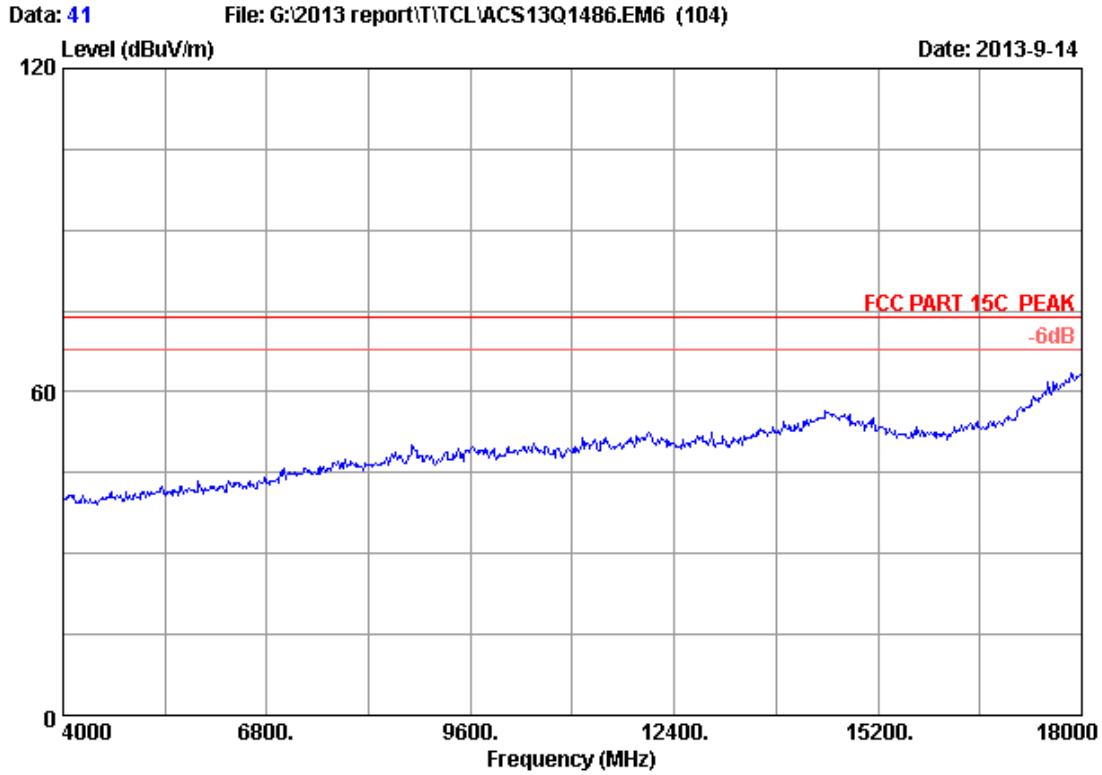


Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2437MHz Tx Mode
 WAE22-DF01-AR

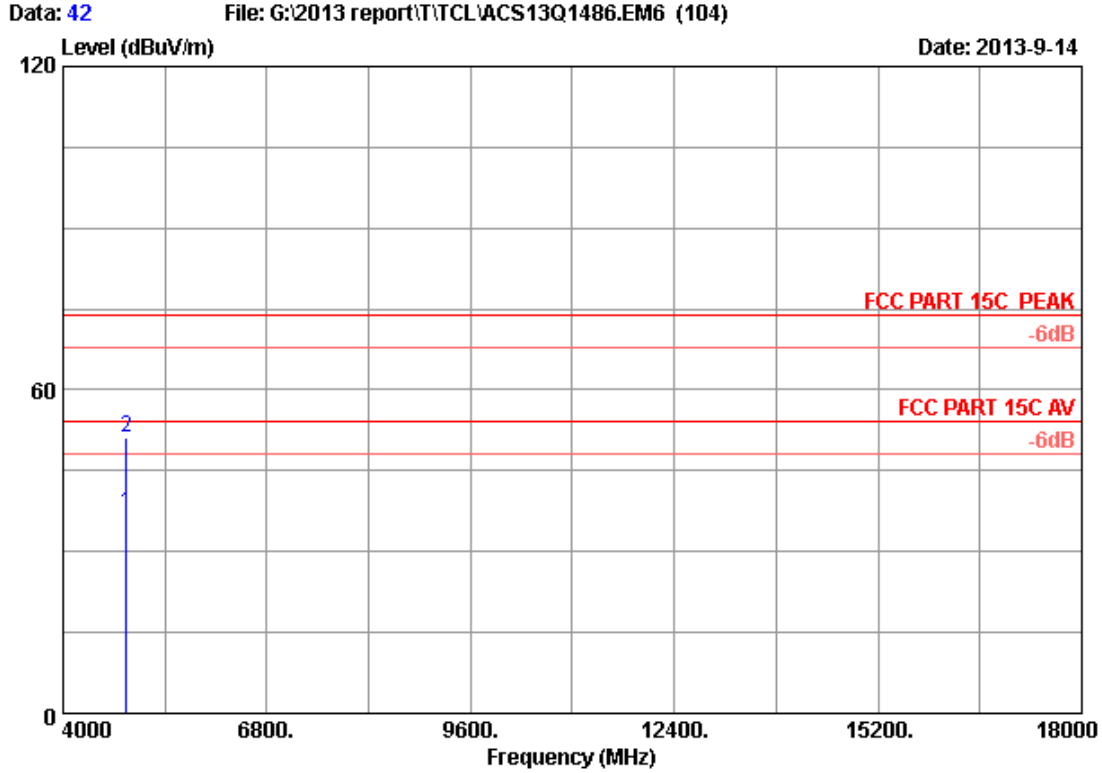
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.97	8.63	35.70	30.57	36.47	54.00	17.53	Average
2	4874.000	32.97	8.63	35.70	44.96	50.86	74.00	23.14	Peak

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.



Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11g 2437MHz Tx Mode
WAE22-DF01-AR

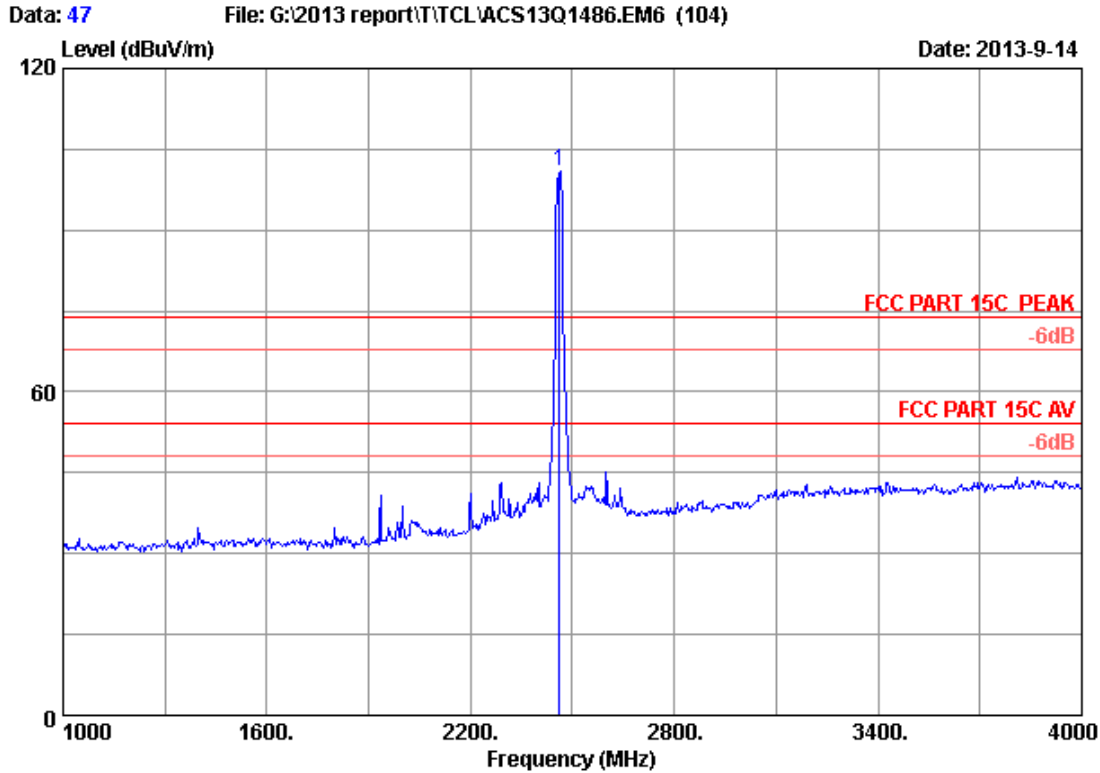


Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2437MHz Tx Mode
 WAE22-DF01-AR

	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	4874.000	32.97	8.63	35.70	31.25	37.15	54.00	16.85	Average
2	4874.000	32.97	8.63	35.70	45.29	51.19	74.00	22.81	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.

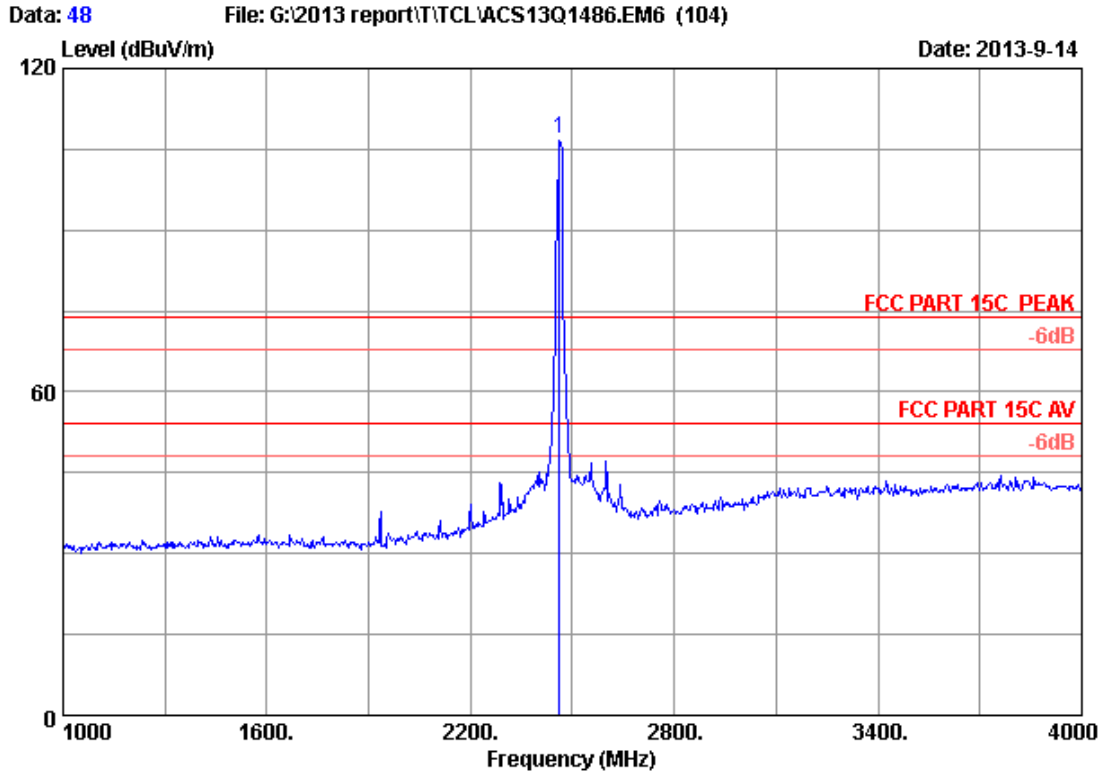


Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2462.000	28.32	5.89	35.70	102.45	100.96	74.00	-26.96	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.

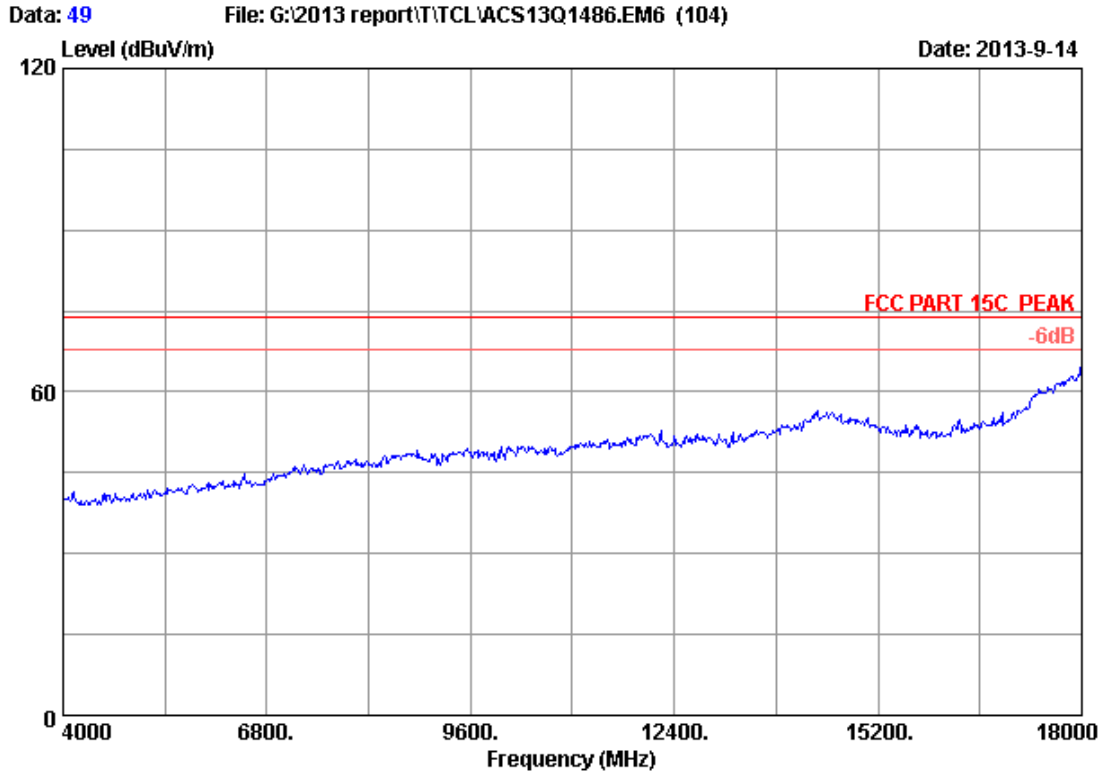


Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

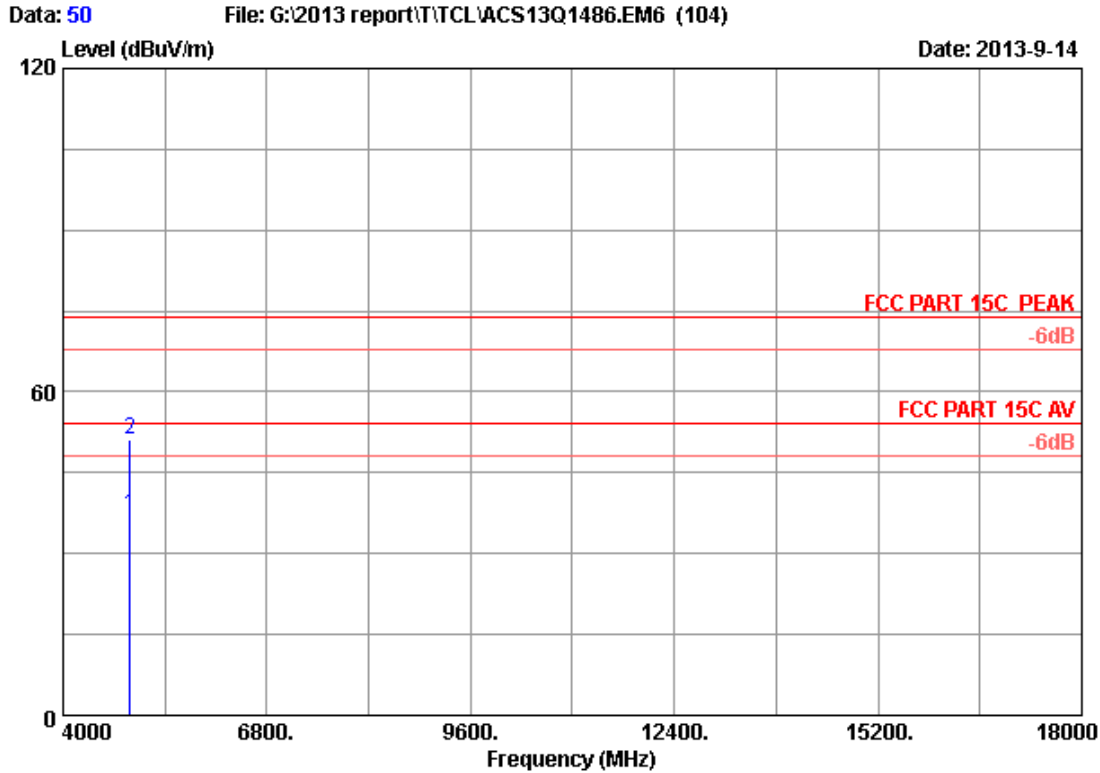
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2462.000	28.32	5.89	35.70	108.43	106.94	74.00	-32.94	Peak

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. : 49
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11g 2462MHz Tx Mode
WAE22-DF01-AR

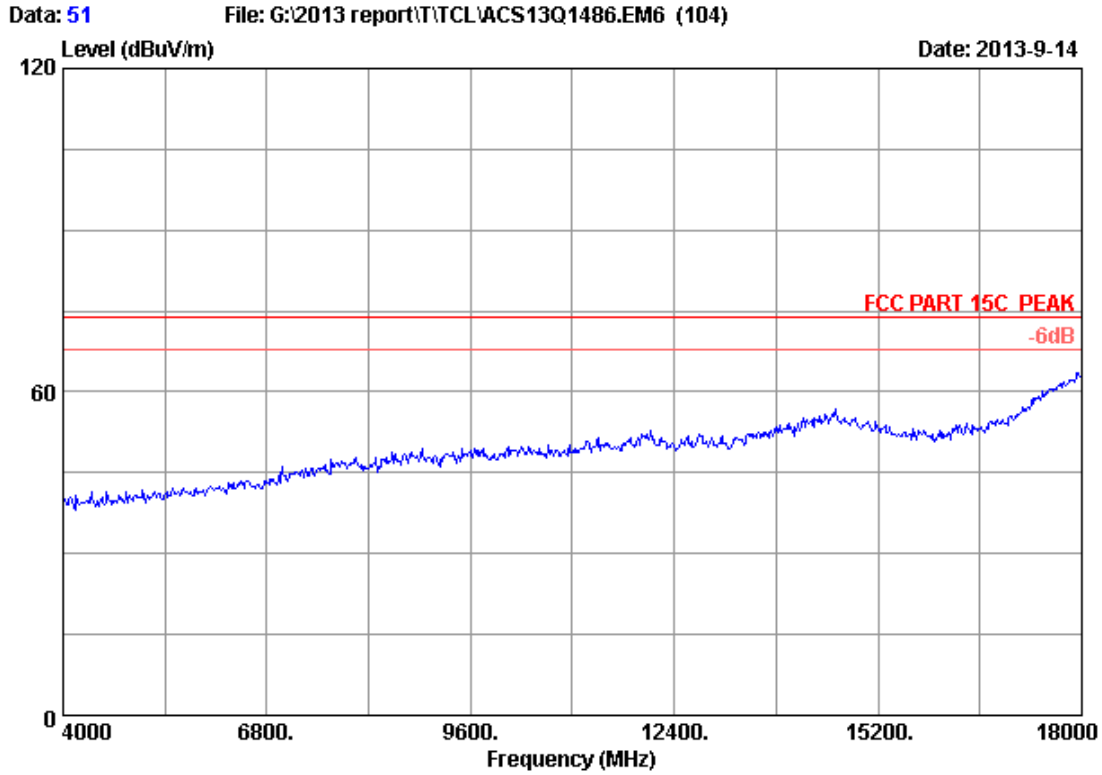


Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

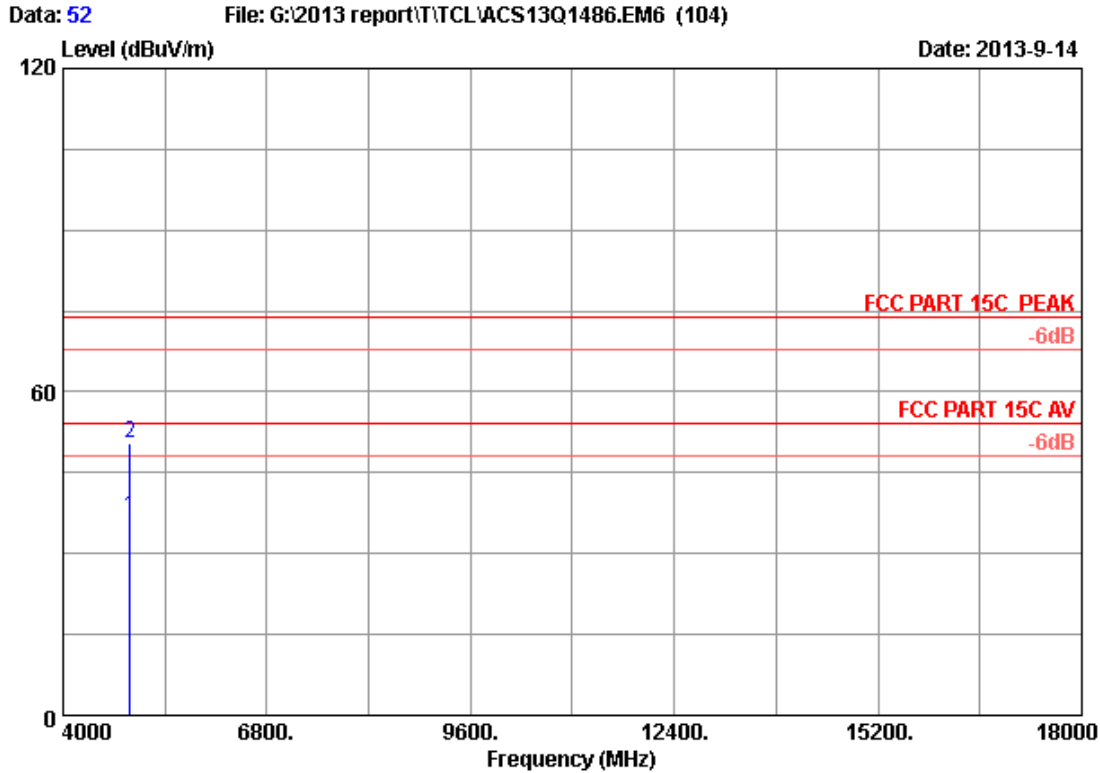
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4924.000	33.06	8.69	35.70	31.02	37.07	54.00	16.93	Average
2	4924.000	33.06	8.69	35.70	45.23	51.28	74.00	22.72	Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11g 2462MHz Tx Mode
WAE22-DF01-AR

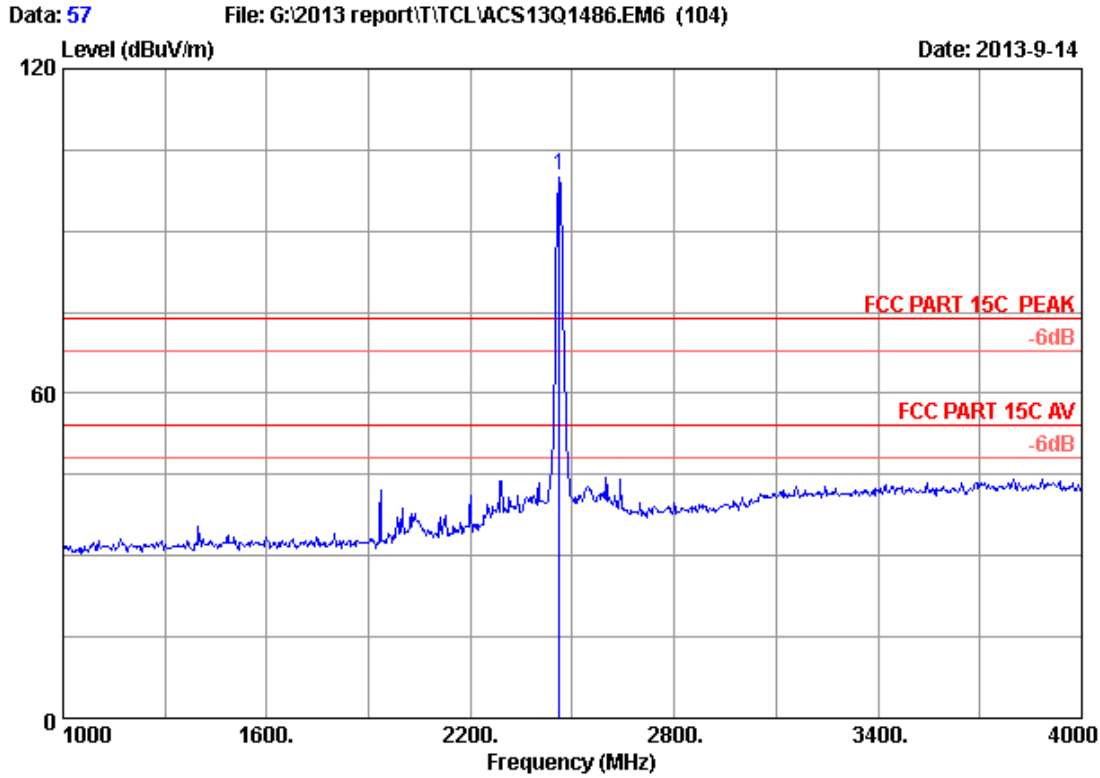


Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11g 2462MHz Tx Mode
 WAE22-DF01-AR

	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	33.06	8.69	35.70	30.71	36.76	54.00	17.24	Average
2	4924.000	33.06	8.69	35.70	44.59	50.64	74.00	23.36	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.

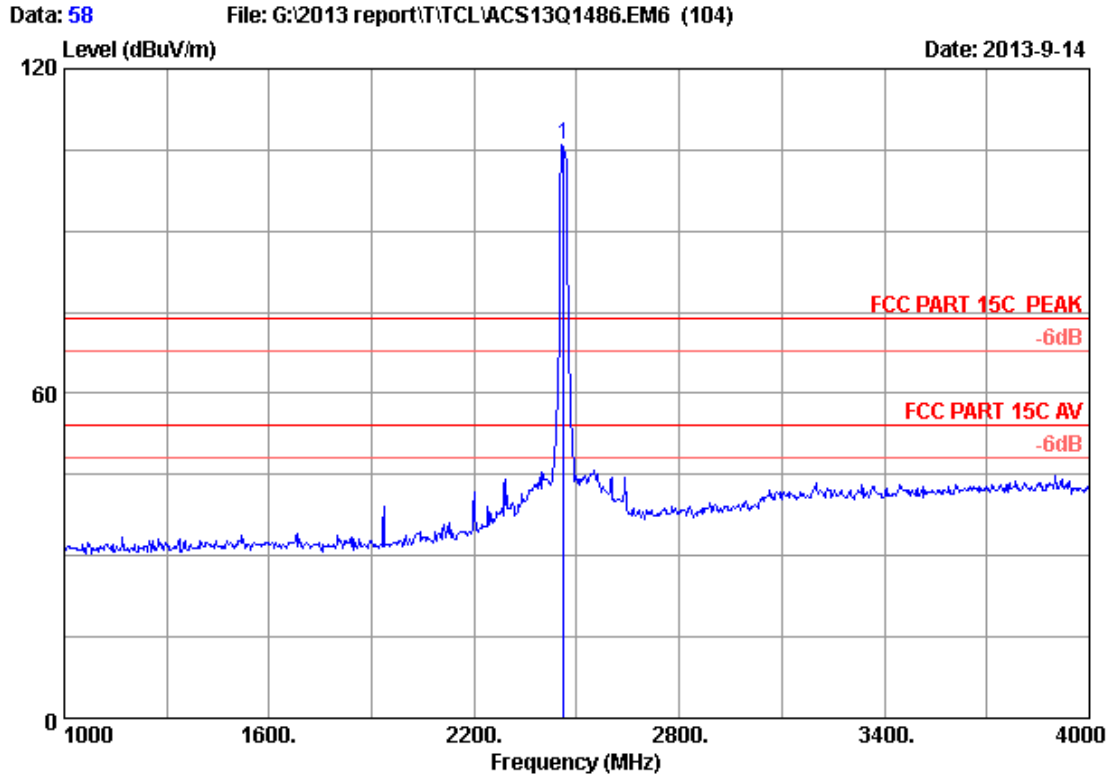


Site no. : 3m Chamber Data no. : 57
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	101.89	100.40	74.00	-26.40	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.

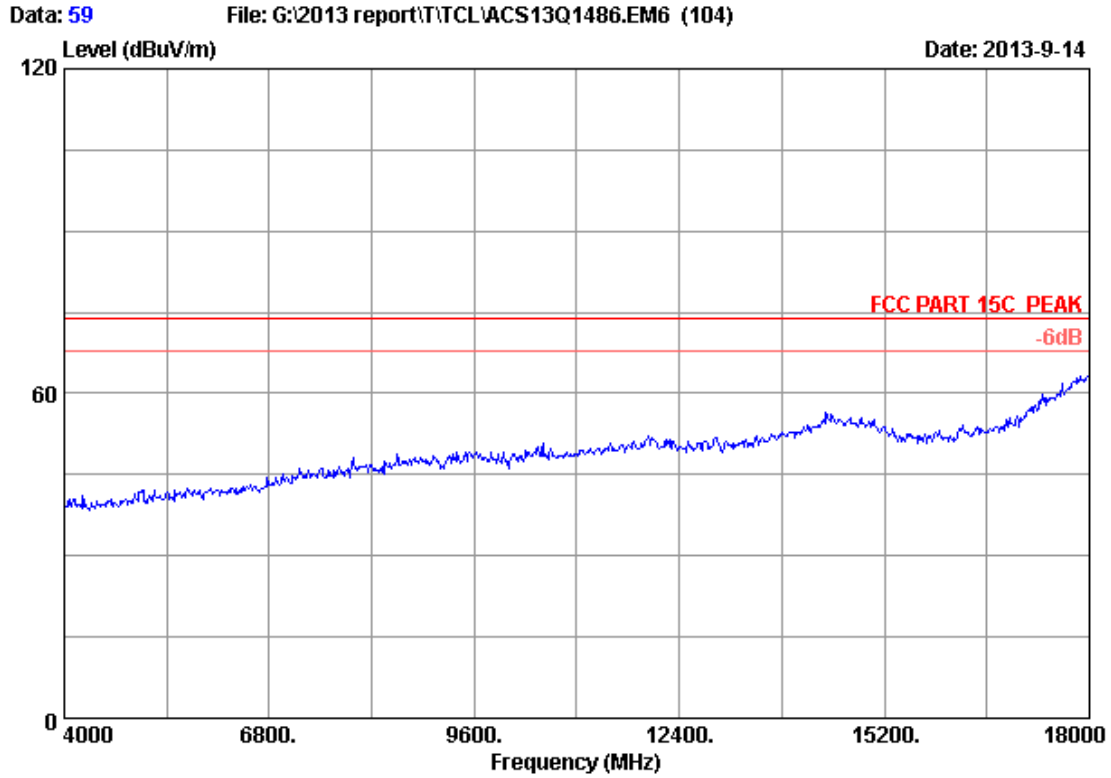


Site no. : 3m Chamber Data no. : 58
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

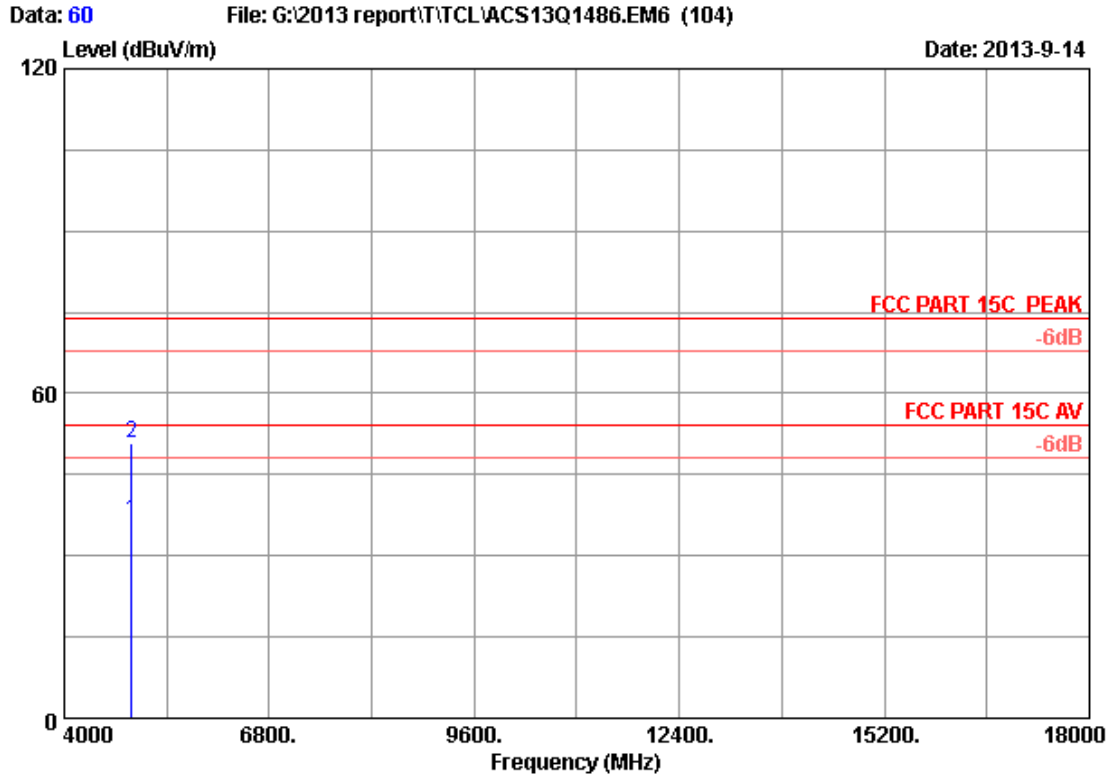
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.32	5.89	35.70	107.56	106.07	74.00	-32.07	Peak

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. : 59
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
WAE22-DF01-AR

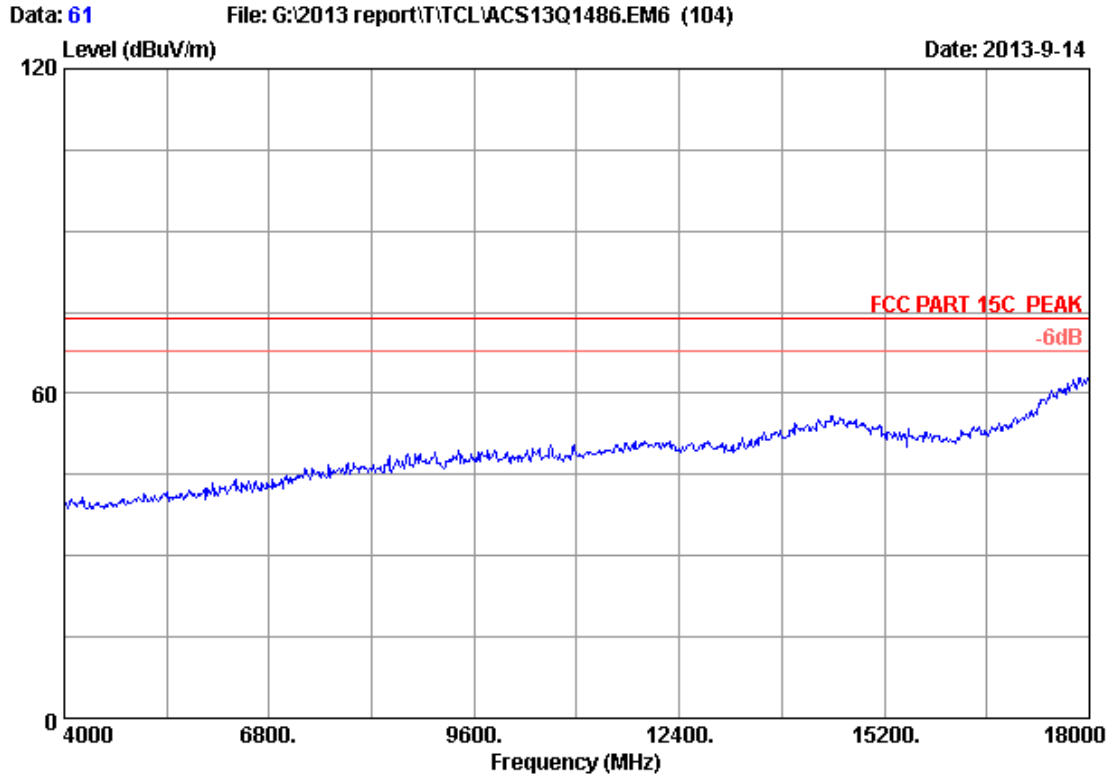


Site no. : 3m Chamber Data no. : 60
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

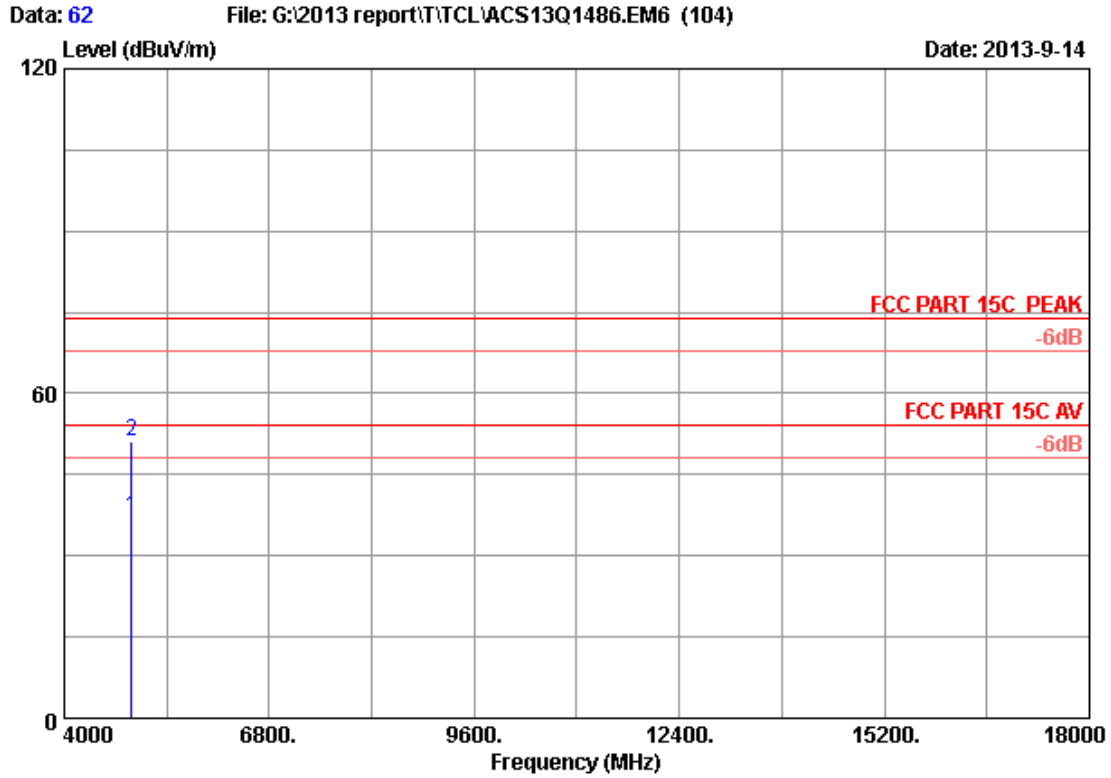
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.06	8.69	35.70	30.55	36.60	54.00	17.40	Average
2	4924.000	33.06	8.69	35.70	44.81	50.86	74.00	23.14	Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
WAE22-DF01-AR

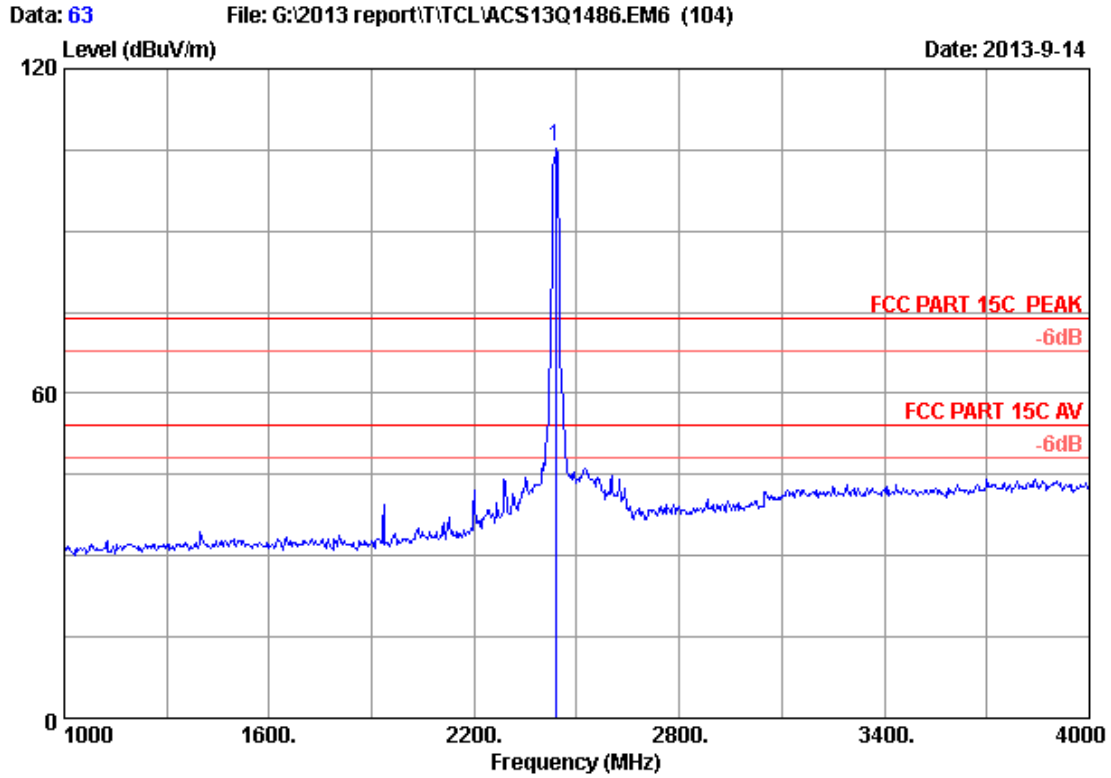


Site no. : 3m Chamber Data no. : 62
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2462MHz Tx Mode
 WAE22-DF01-AR

	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	33.06	8.69	35.70	30.98	37.03	54.00	16.97	Average
2	4924.000	33.06	8.69	35.70	45.13	51.18	74.00	22.82	Peak

Remarks:

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

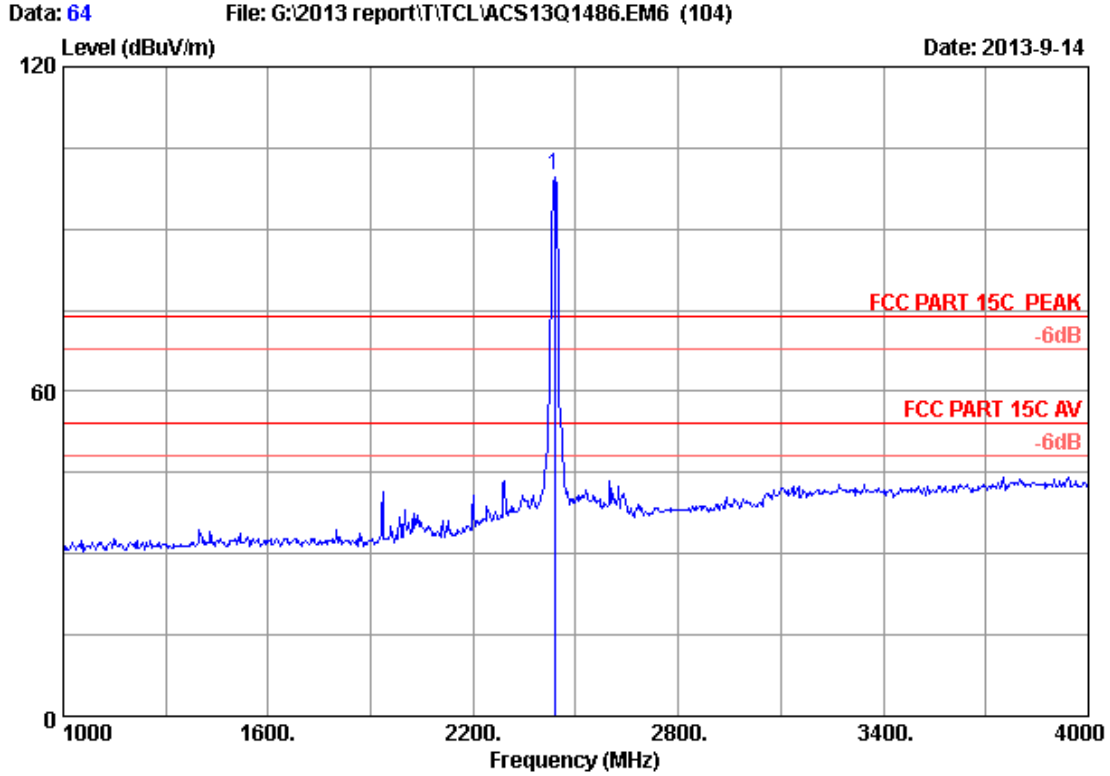


Site no. : 3m Chamber Data no. : 63
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2437MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor	Cable loss	Amp. Factor	Emission Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2437.000	28.26	5.85	35.70	107.35	105.76	74.00	-31.76	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.

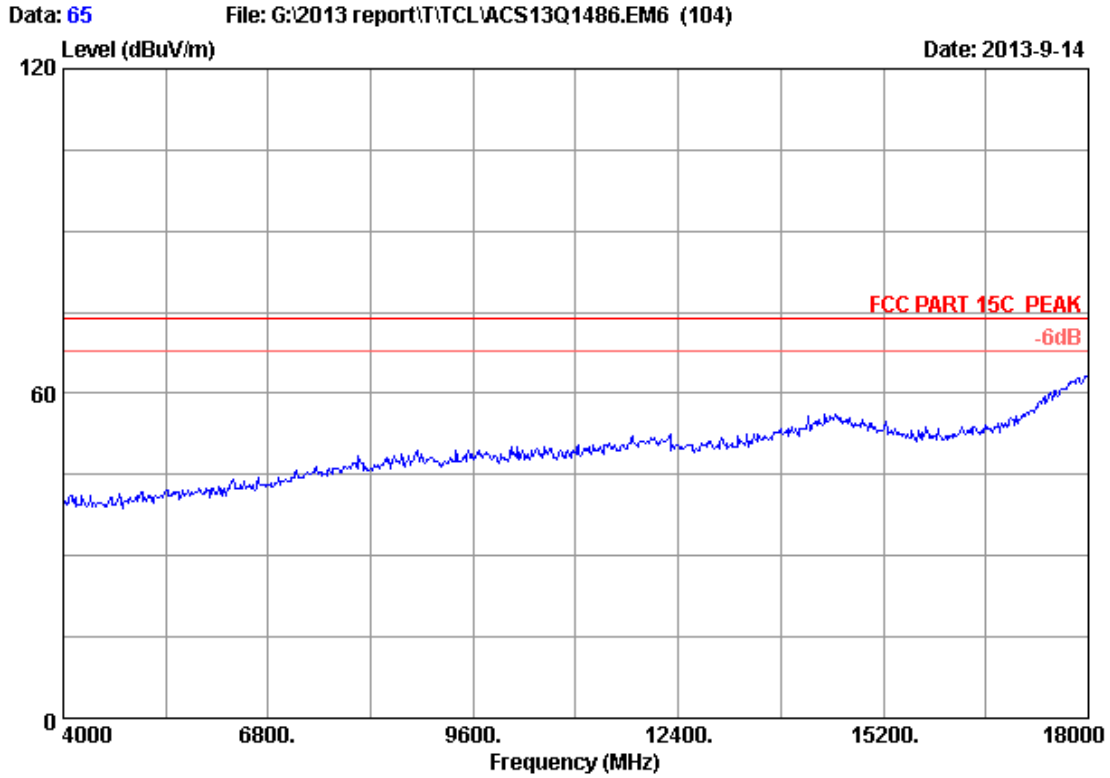


Site no. : 3m Chamber Data no. : 64
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2437MHz Tx Mode
 WAE22-DF01-AR

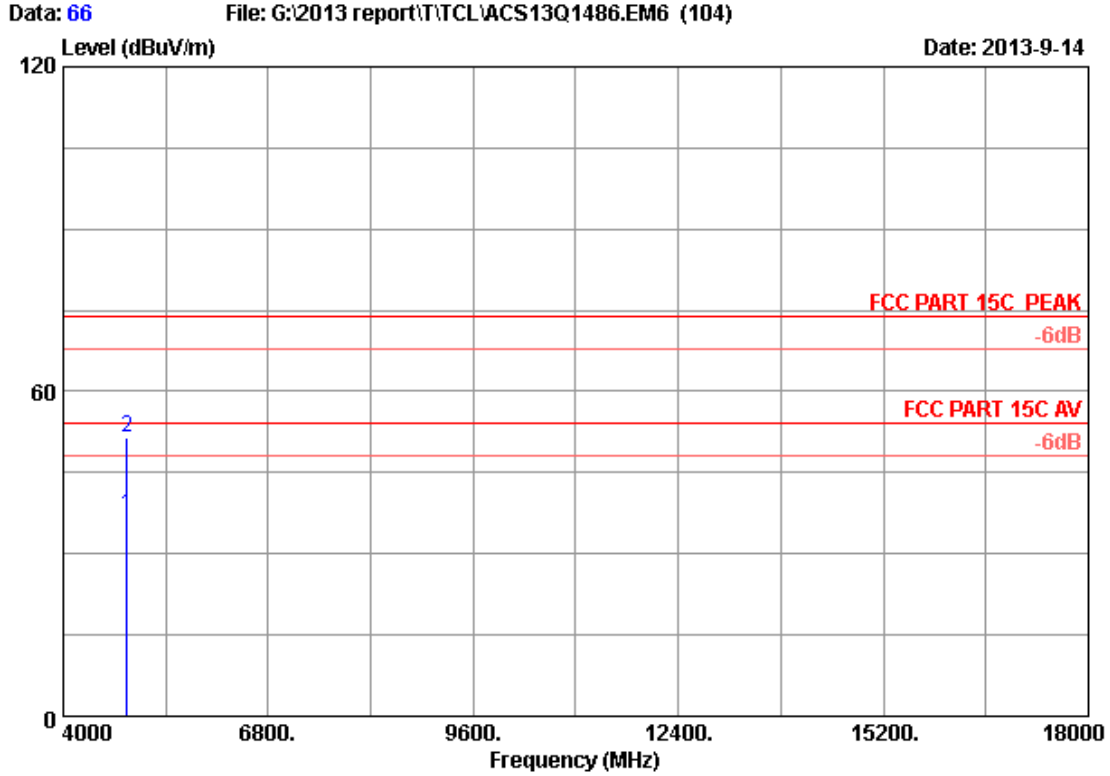
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.26	5.85	35.70	101.67	100.08	74.00	-26.08	Peak

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. : 65
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2437MHz Tx Mode
WAE22-DF01-AR

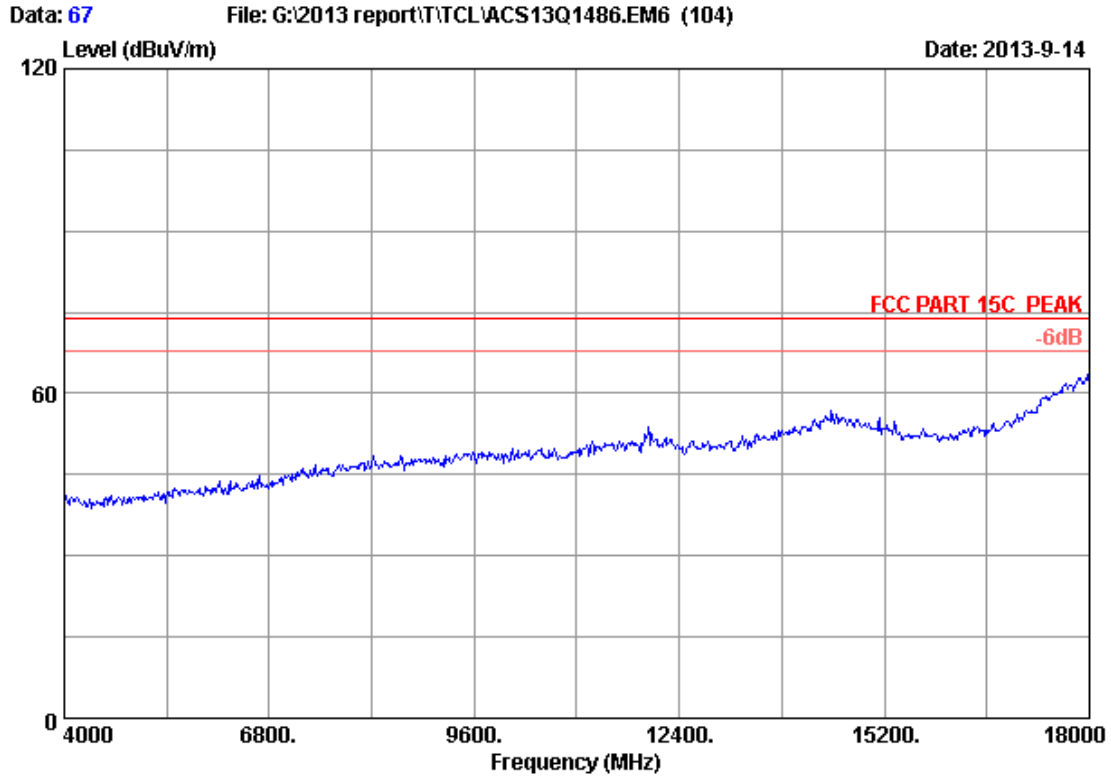


Site no. : 3m Chamber Data no. : 66
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2437MHz Tx Mode
 WAE22-DF01-AR

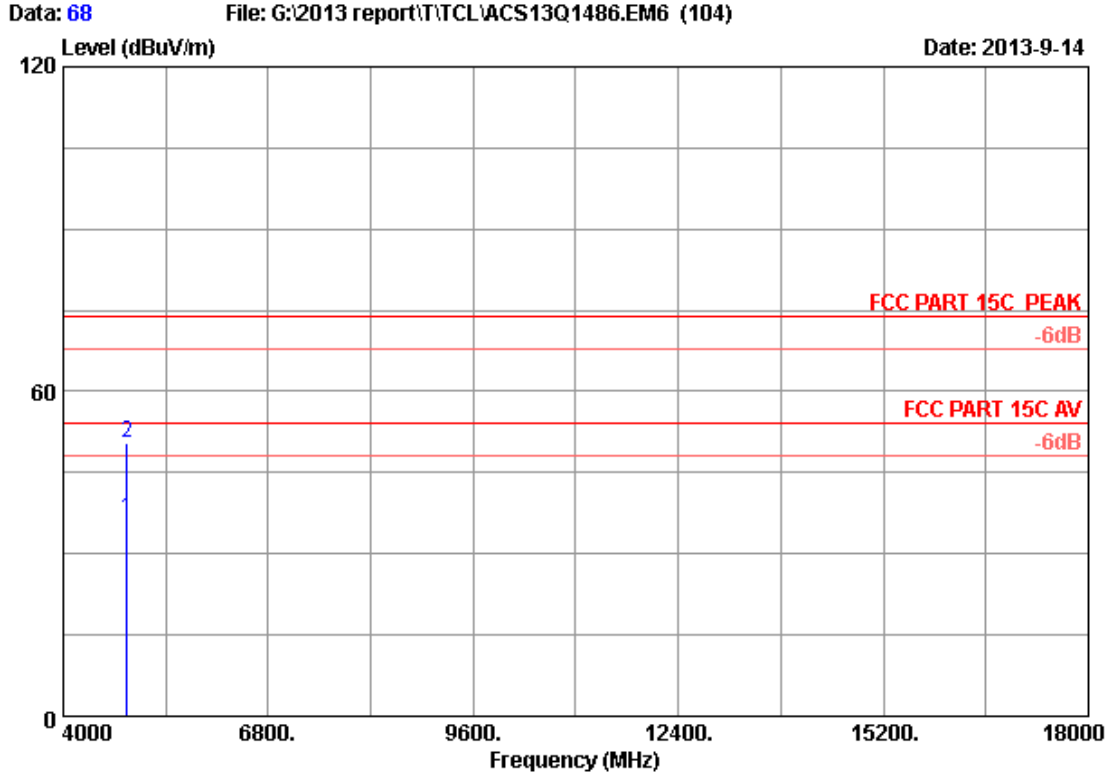
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4874.000	32.97	8.63	35.70	31.10	37.00	54.00	17.00	Average
2	4874.000	32.97	8.63	35.70	45.49	51.39	74.00	22.61	Peak

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. : 67
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2437MHz Tx Mode
WAE22-DF01-AR

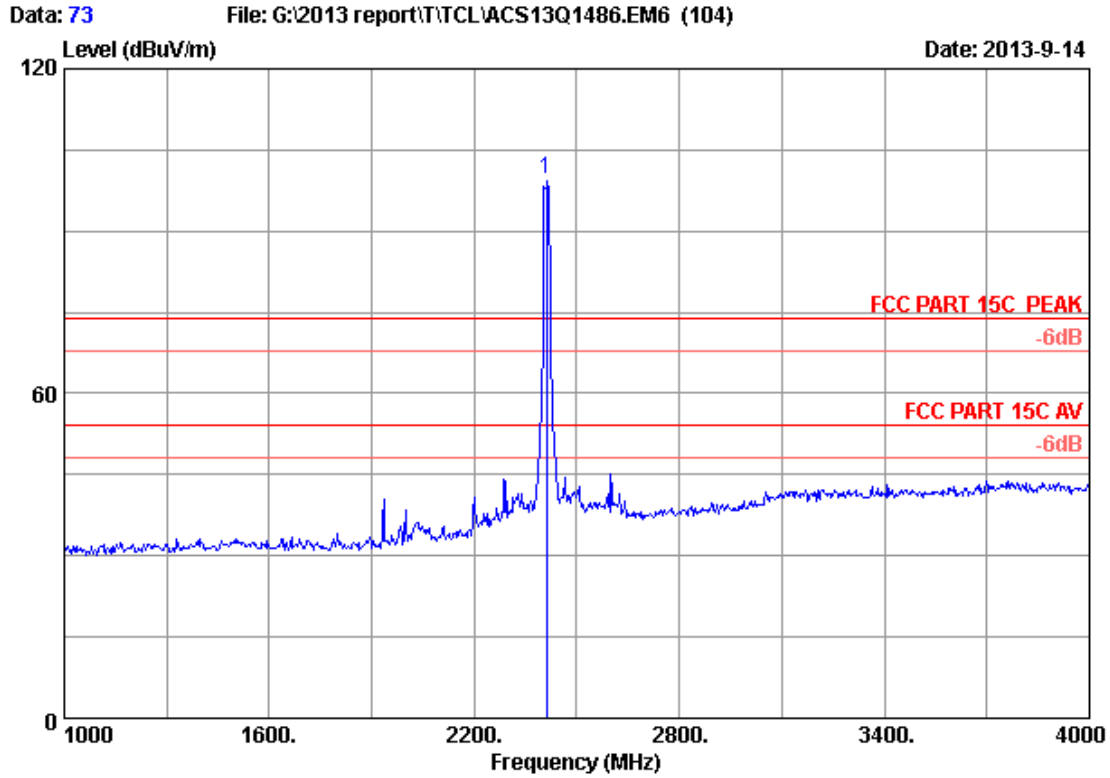


Site no. : 3m Chamber Data no. : 68
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2437MHz Tx Mode
 WAE22-DF01-AR

	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	4874.000	32.97	8.63	35.70	30.48	36.38	54.00	17.62	Average
2	4874.000	32.97	8.63	35.70	44.69	50.59	74.00	23.41	Peak

Remarks:

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

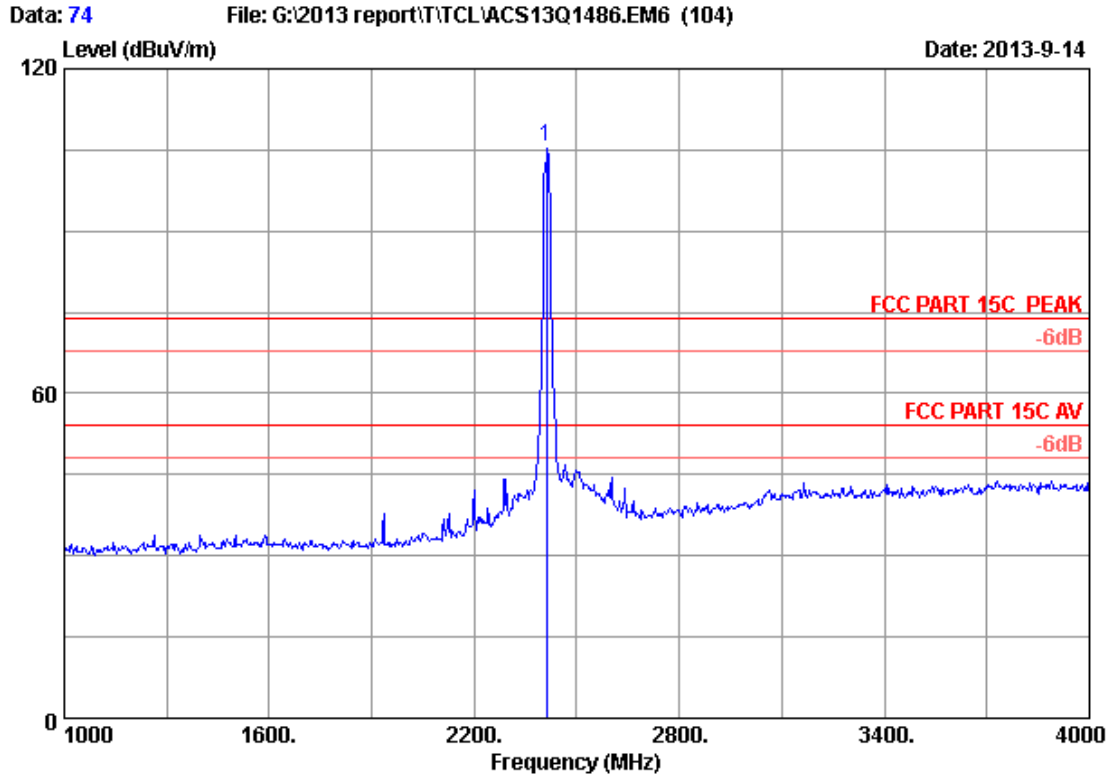


Site no. : 3m Chamber Data no. : 73
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	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 2412.000	28.21	5.81	35.70	101.24	99.56	74.00	-25.56	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.

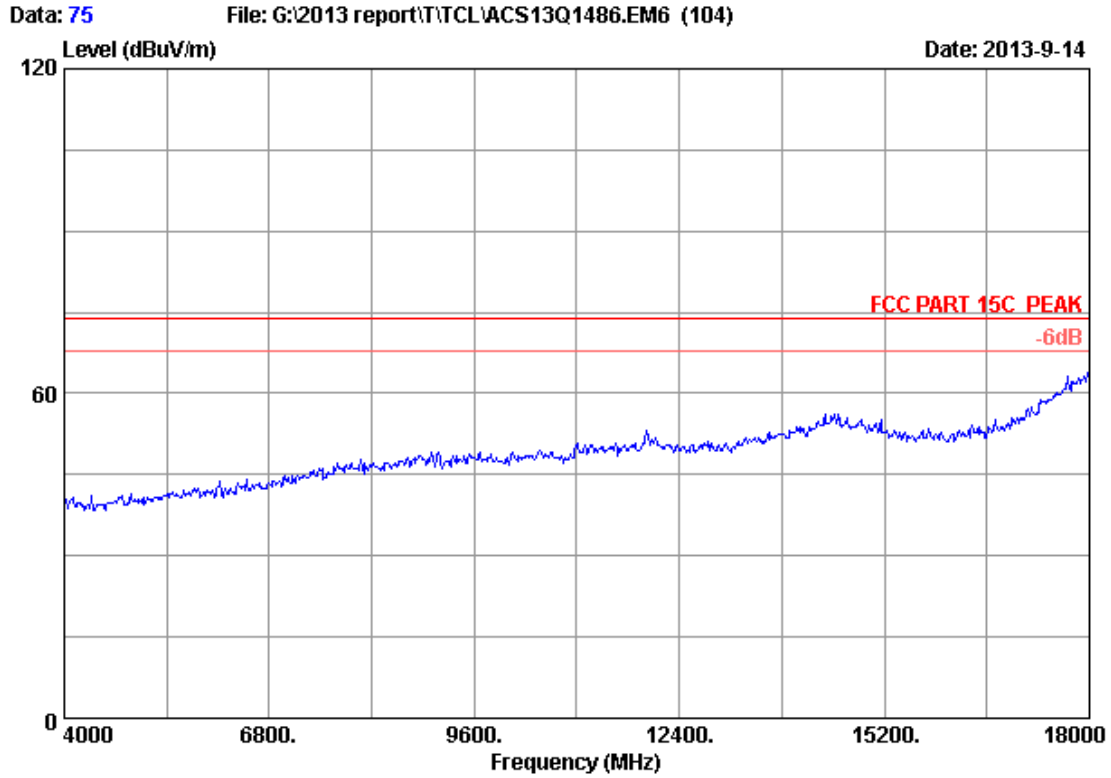


Site no. : 3m Chamber Data no. : 74
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

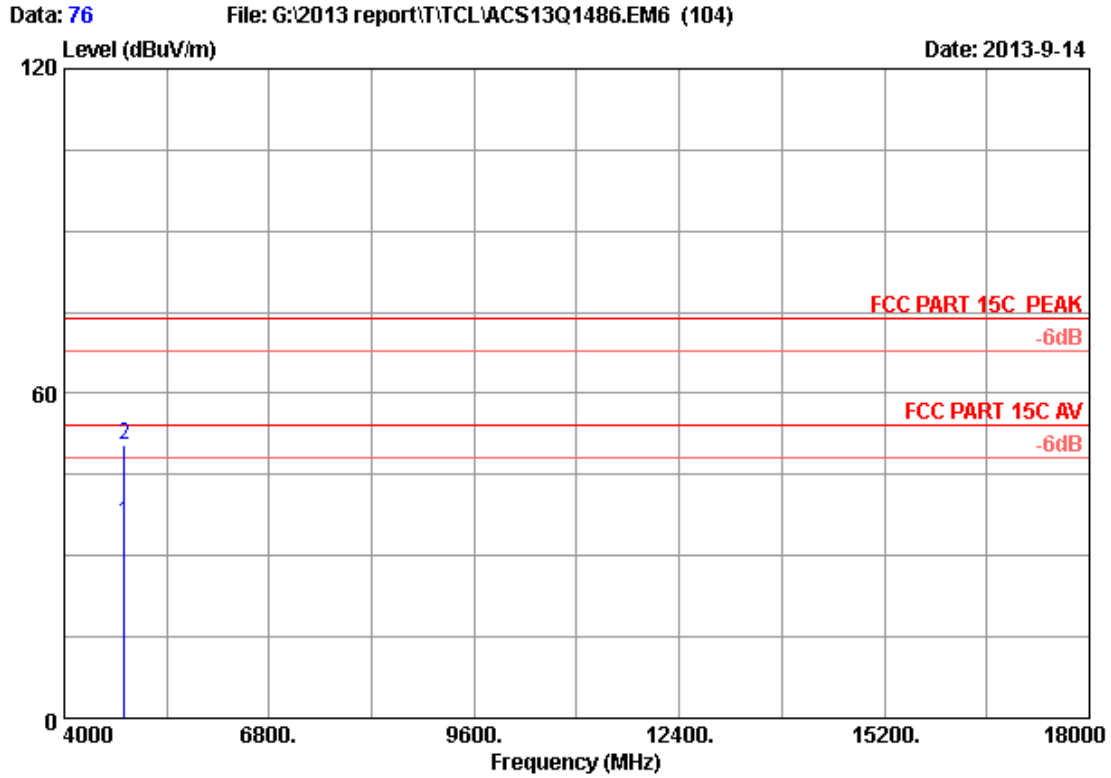
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2412.000	28.21	5.81	35.70	107.41	105.73	74.00	-31.73	Peak	

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.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
WAE22-DF01-AR

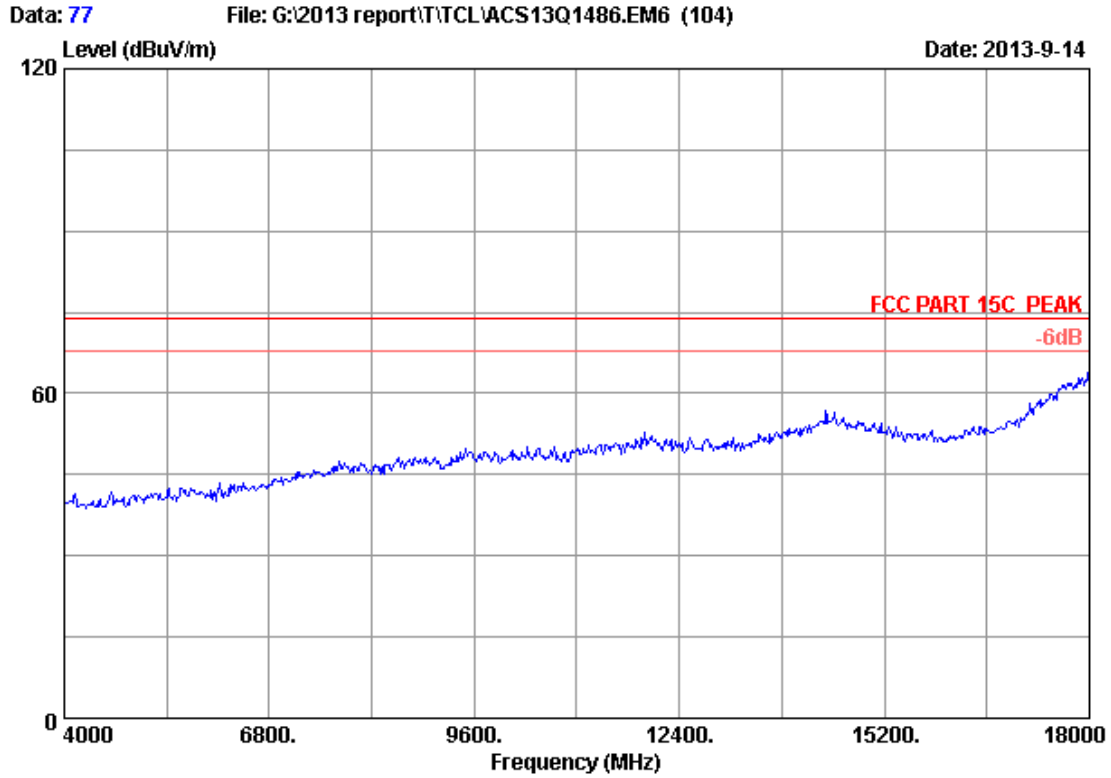


Site no. : 3m Chamber Data no. : 76
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

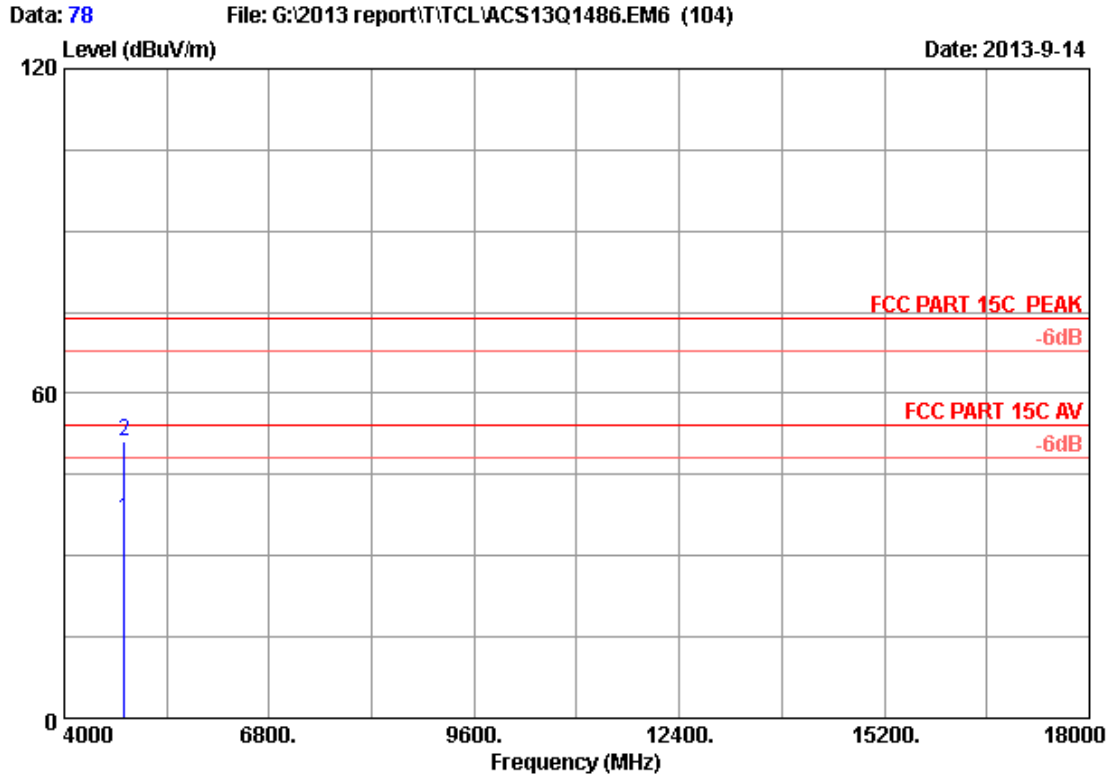
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1	4824.000	32.88	8.58	35.70	30.41	36.17	54.00	17.83	Average
2	4824.000	32.88	8.58	35.70	44.73	50.49	74.00	23.51	Peak

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. : 77
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
WAE22-DF01-AR

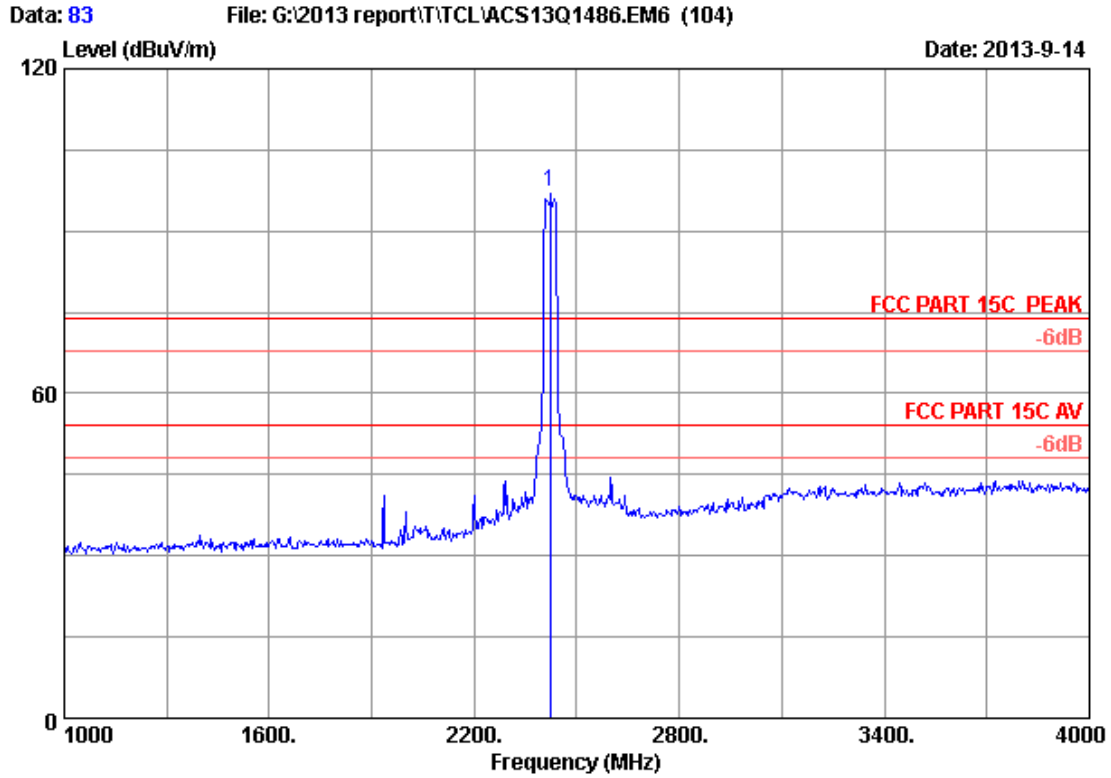


Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 2412MHz Tx Mode
 WAE22-DF01-AR

	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	32.88	8.58	35.70	31.12	36.88	54.00	17.12	Average
2	4824.000	32.88	8.58	35.70	45.33	51.09	74.00	22.91	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.

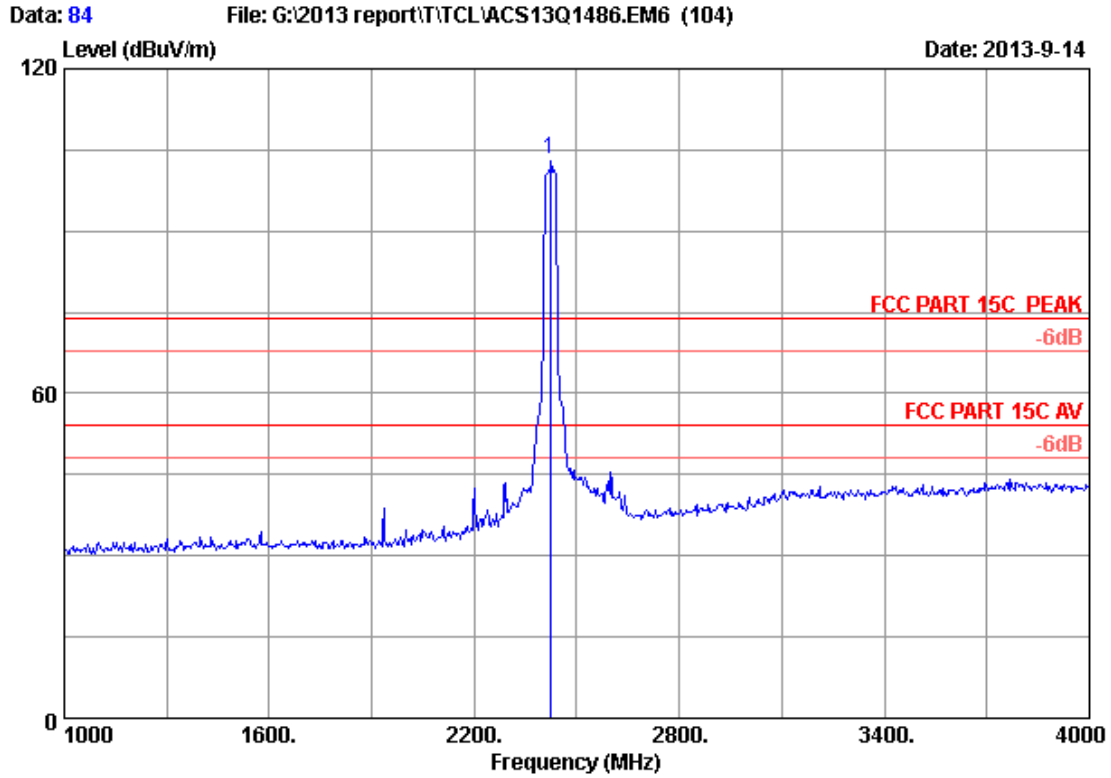


Site no. : 3m Chamber Data no. : 83
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	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 2422.000	28.23	5.83	35.70	98.78	97.14	74.00	-23.14	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.

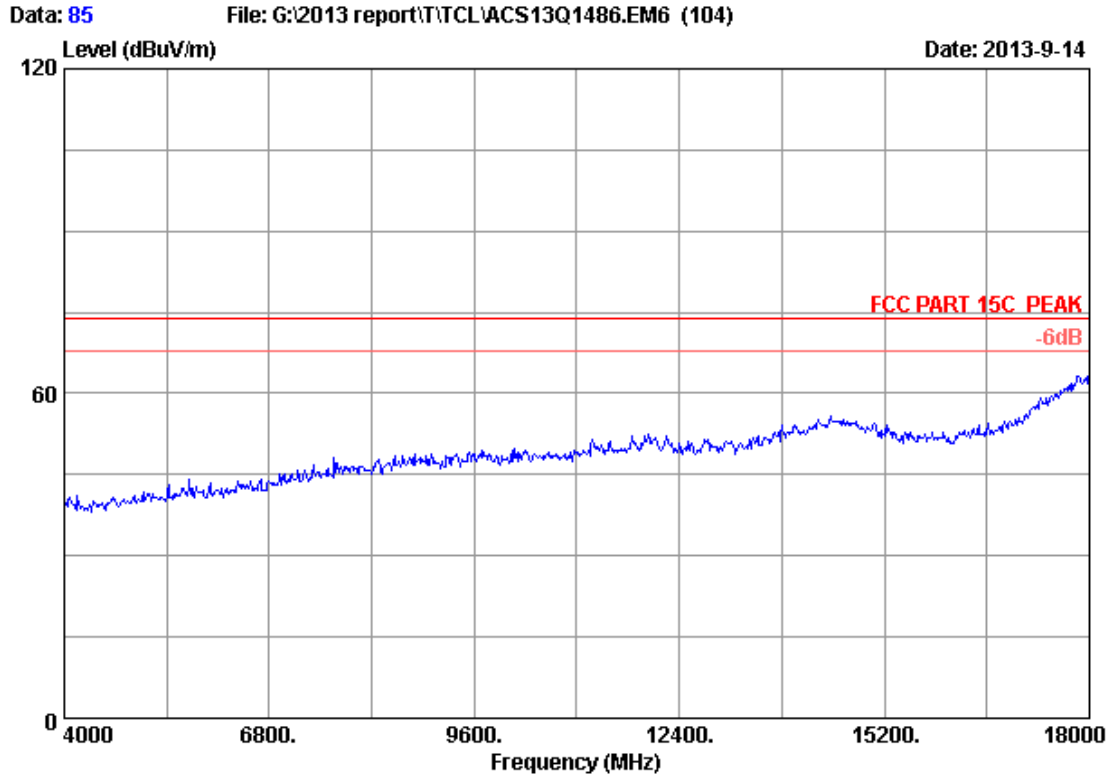


Site no. : 3m Chamber Data no. : 84
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

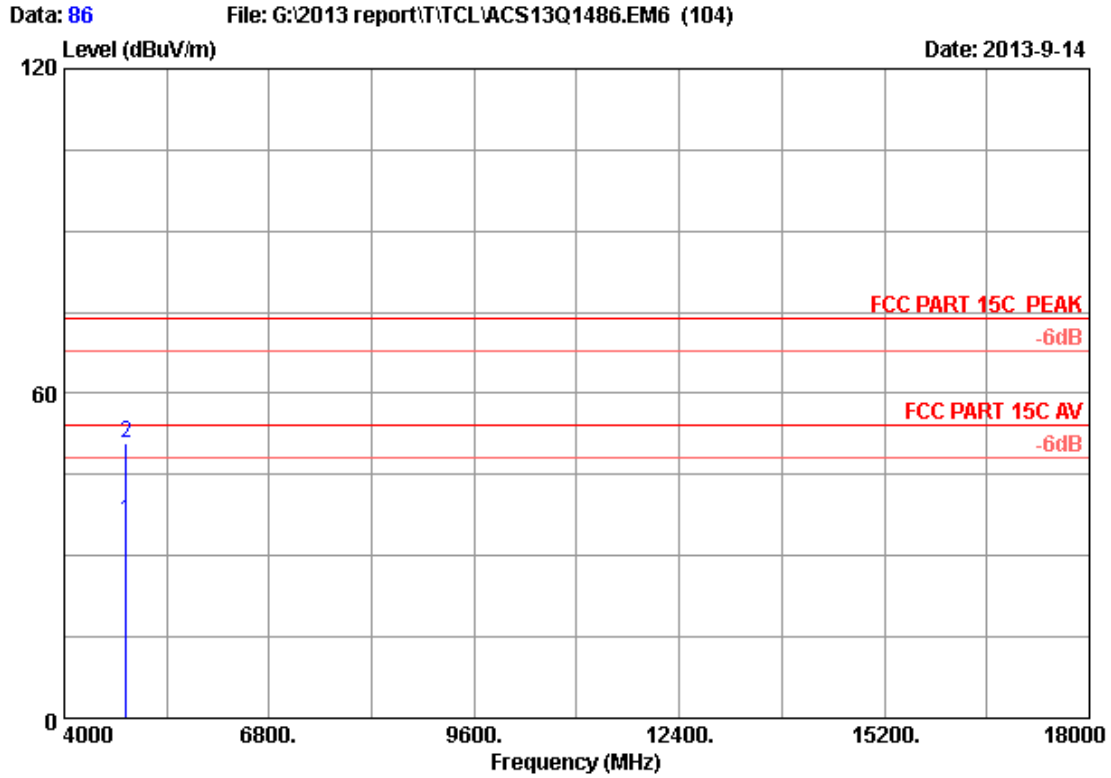
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.23	5.83	35.70	104.77	103.13	74.00	-29.13	Peak

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. : 85
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
WAE22-DF01-AR

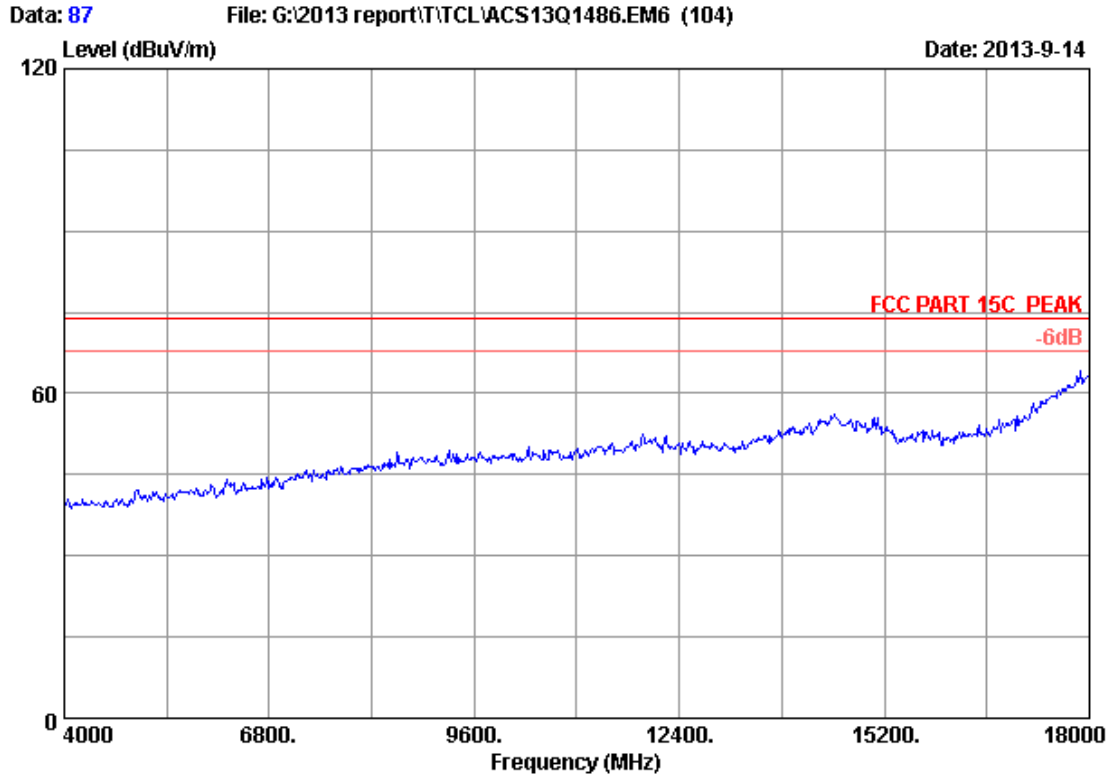


Site no. : 3m Chamber Data no. : 86
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

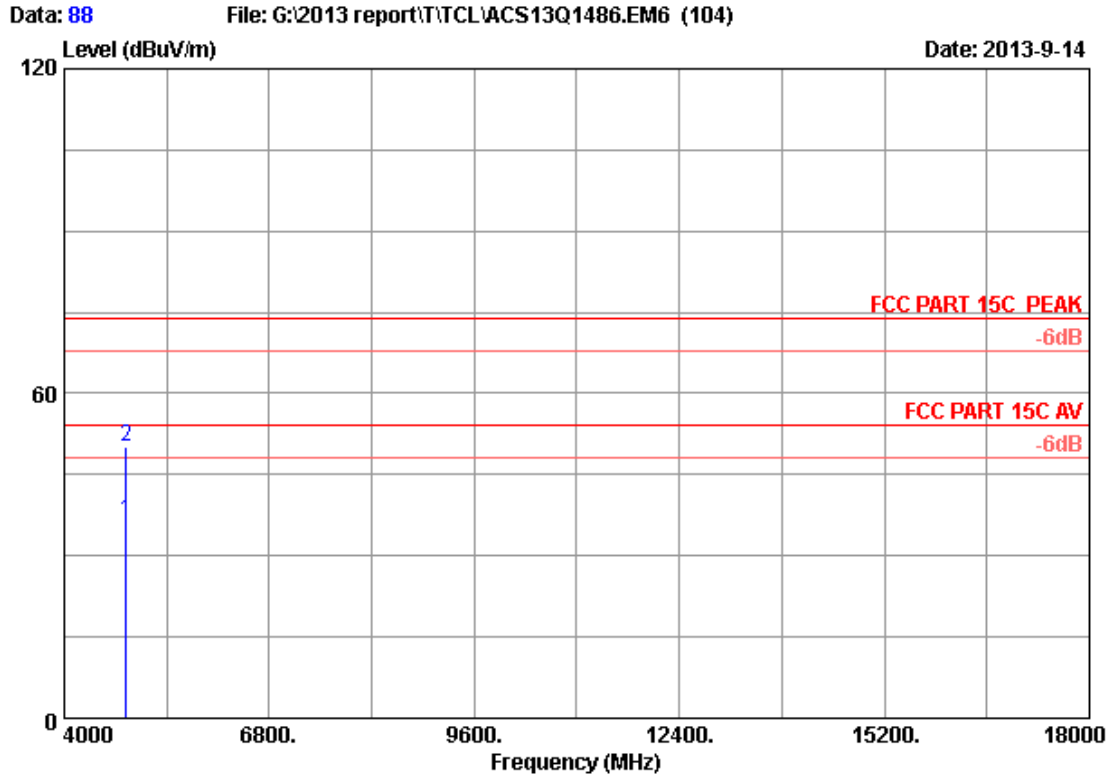
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4844.000	32.92	8.60	35.70	30.75	36.57	54.00	17.43	Average
2	4844.000	32.92	8.60	35.70	44.83	50.65	74.00	23.35	Peak

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. : 87
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
WAE22-DF01-AR

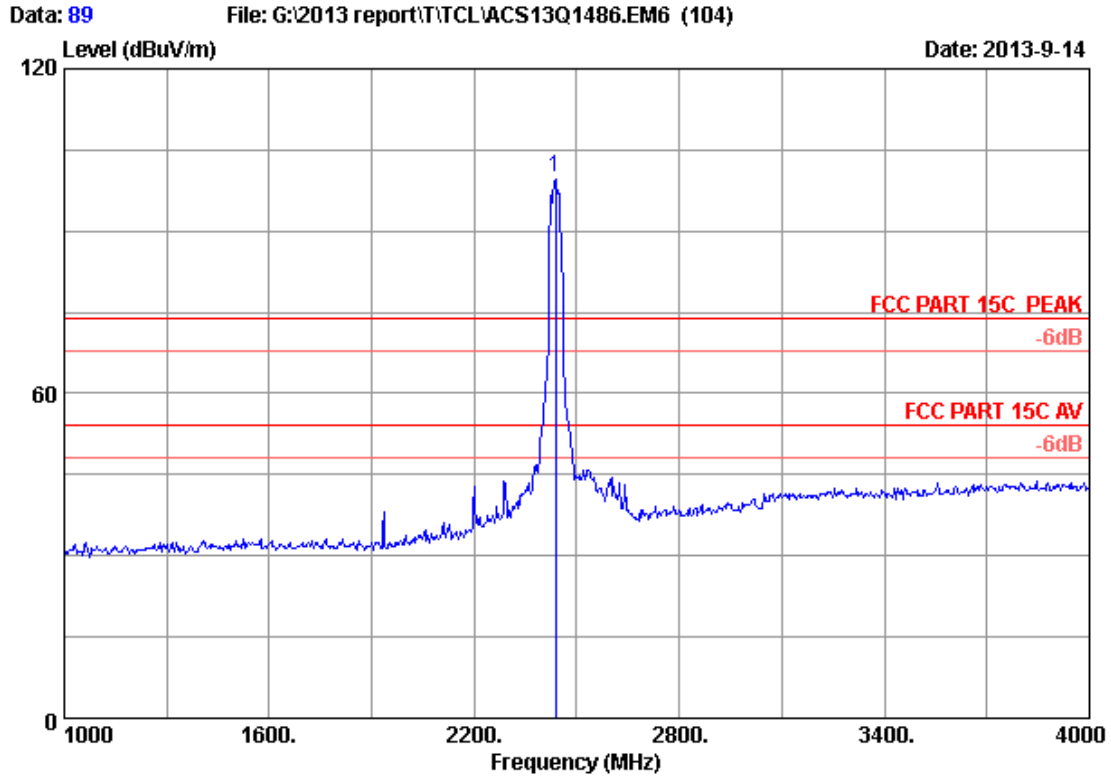


Site no. : 3m Chamber Data no. : 88
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	32.92	8.60	35.70	30.51	36.33	54.00	17.67	Average
2	32.92	8.60	35.70	44.38	50.20	74.00	23.80	Peak

Remarks:

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

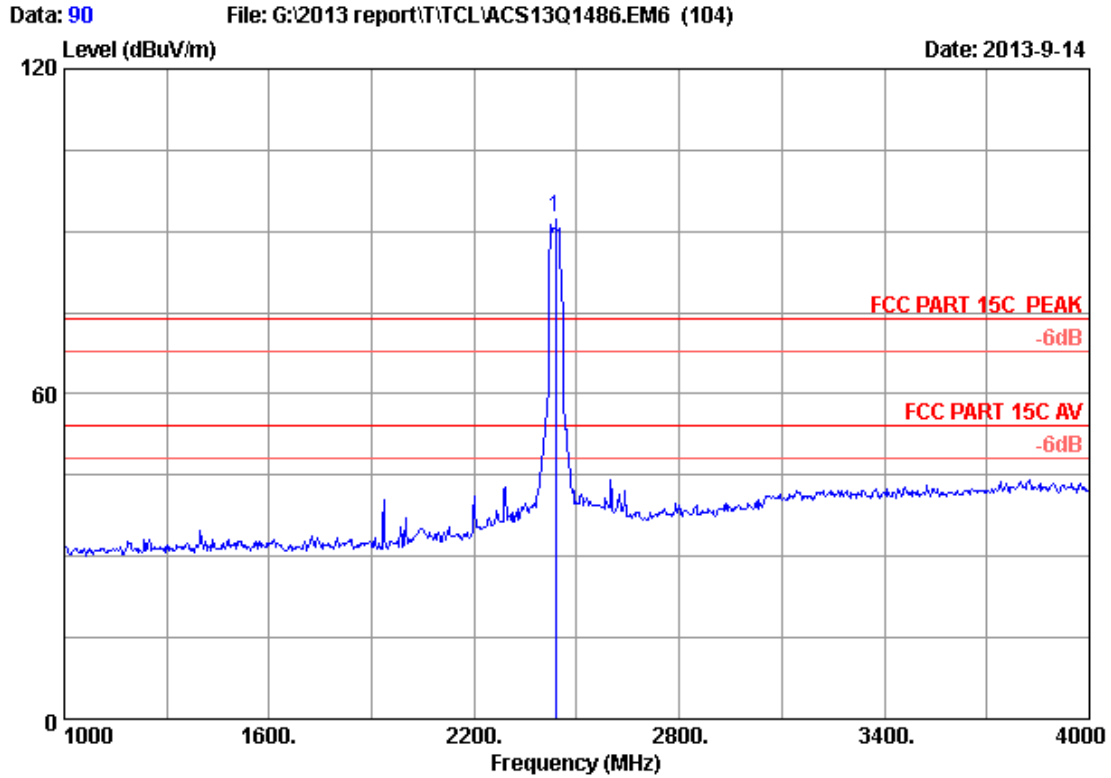


Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2437MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.26	5.85	35.70	101.59	100.00	74.00	-26.00	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.



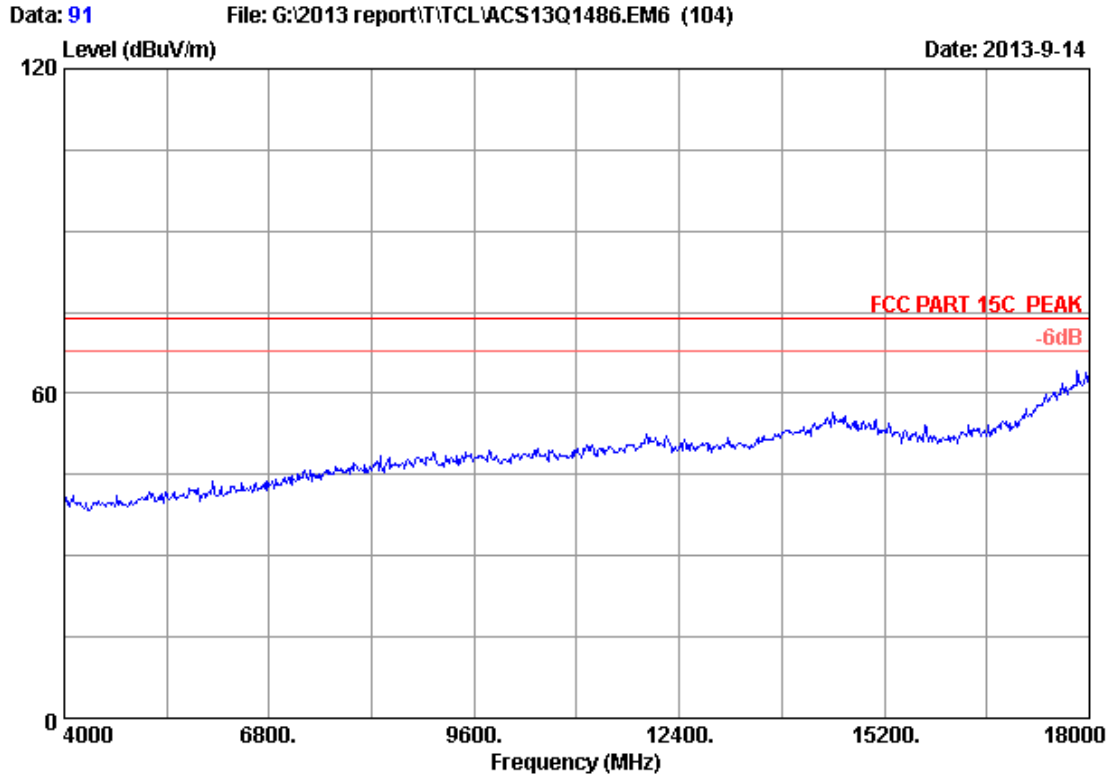
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Site no.      : 3m Chamber           Data no.   : 90
Dis. / Ant.  : 3m 2013 3115 (4580)  Ant. pol.  : VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : 23°C/54%             Engineer   : Kevin_Hu
EUT          : WIFI Module
Power supply : DC 5V
Test mode    : IEEE802.11nHT40 2437MHz Tx Mode
                WAE22-DF01-AR
    
```

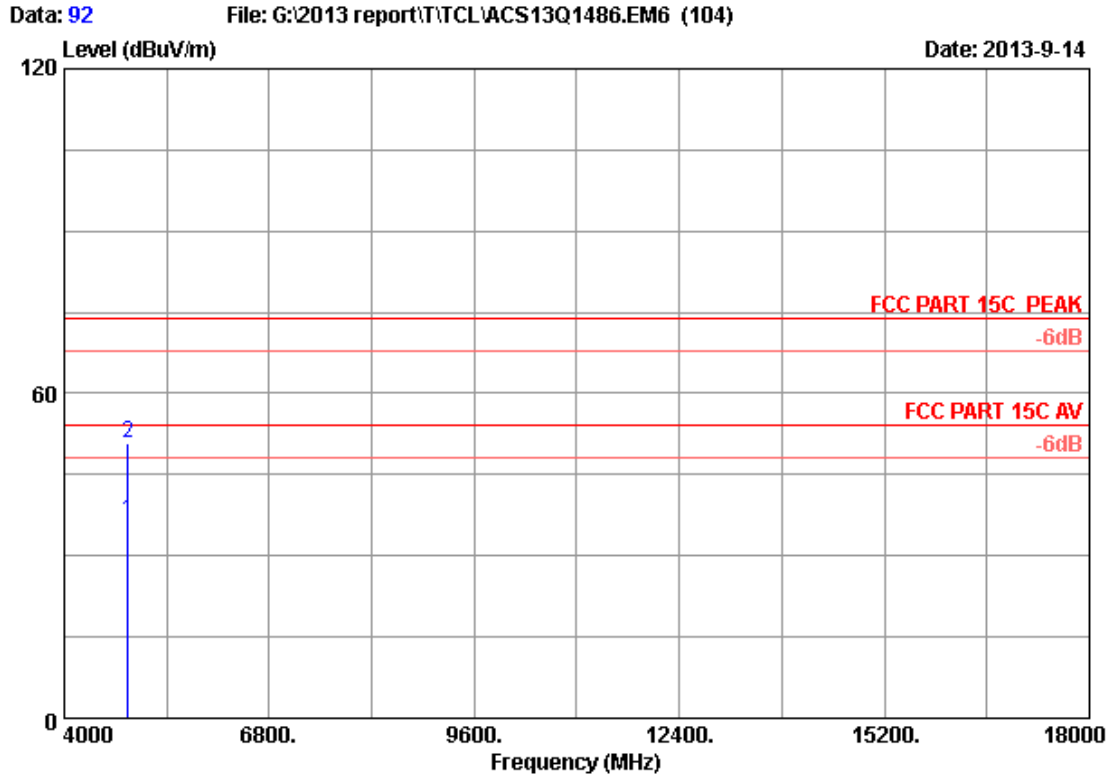
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2437.000	28.26	5.85	35.70	94.15	92.56	74.00	-18.56	Peak

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.



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 2437MHz Tx Mode
WAE22-DF01-AR

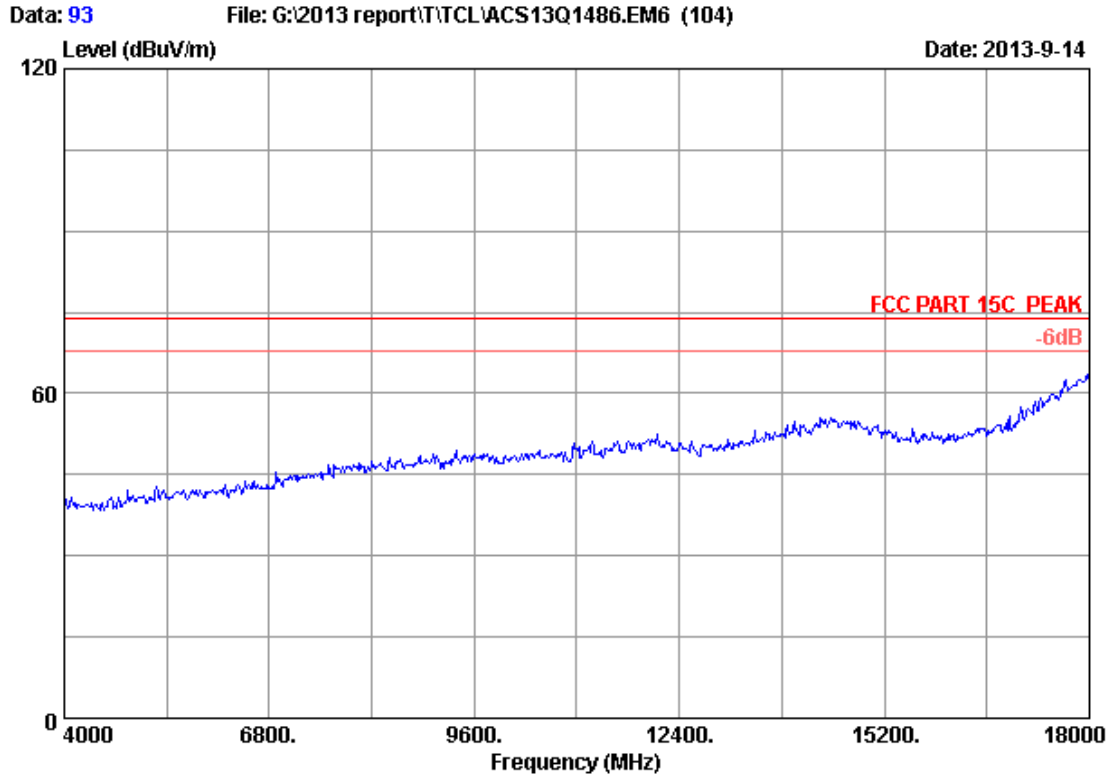


Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2437MHz Tx Mode
 WAE22-DF01-AR

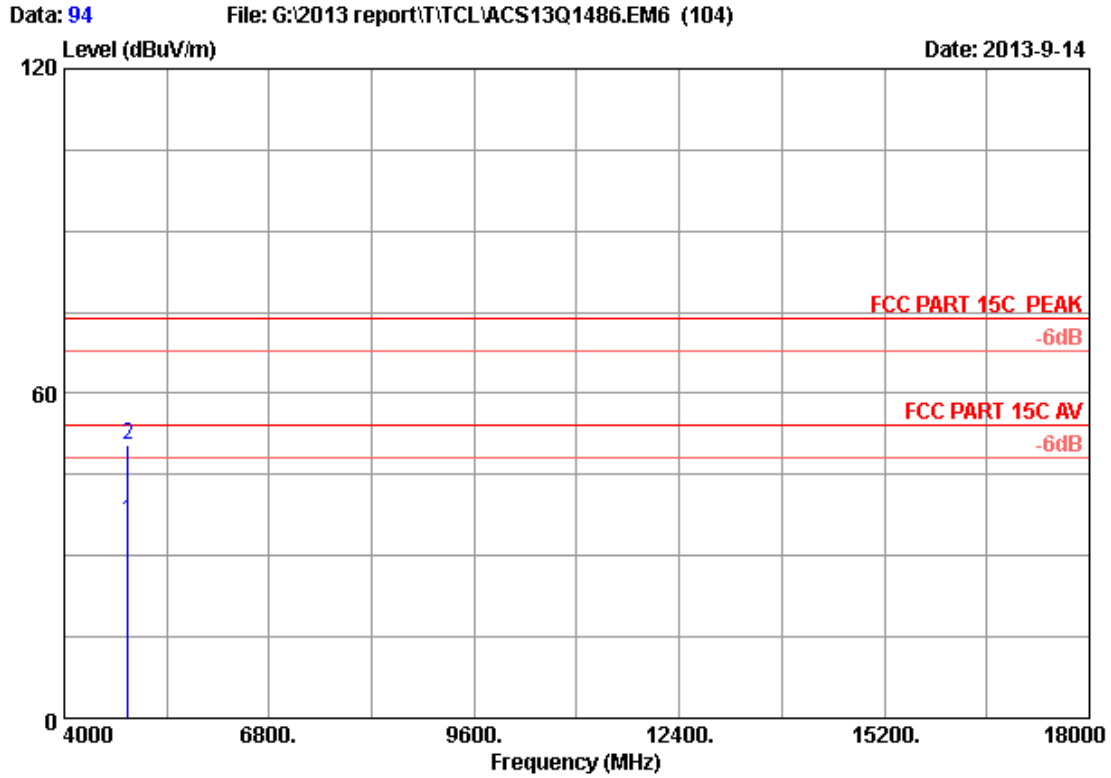
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4874.000	32.97	8.63	35.70	30.60	36.50	54.00	17.50	Average
2	4874.000	32.97	8.63	35.70	44.79	50.69	74.00	23.31	Peak

Remarks:

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



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 2437MHz Tx Mode
WAE22-DF01-AR

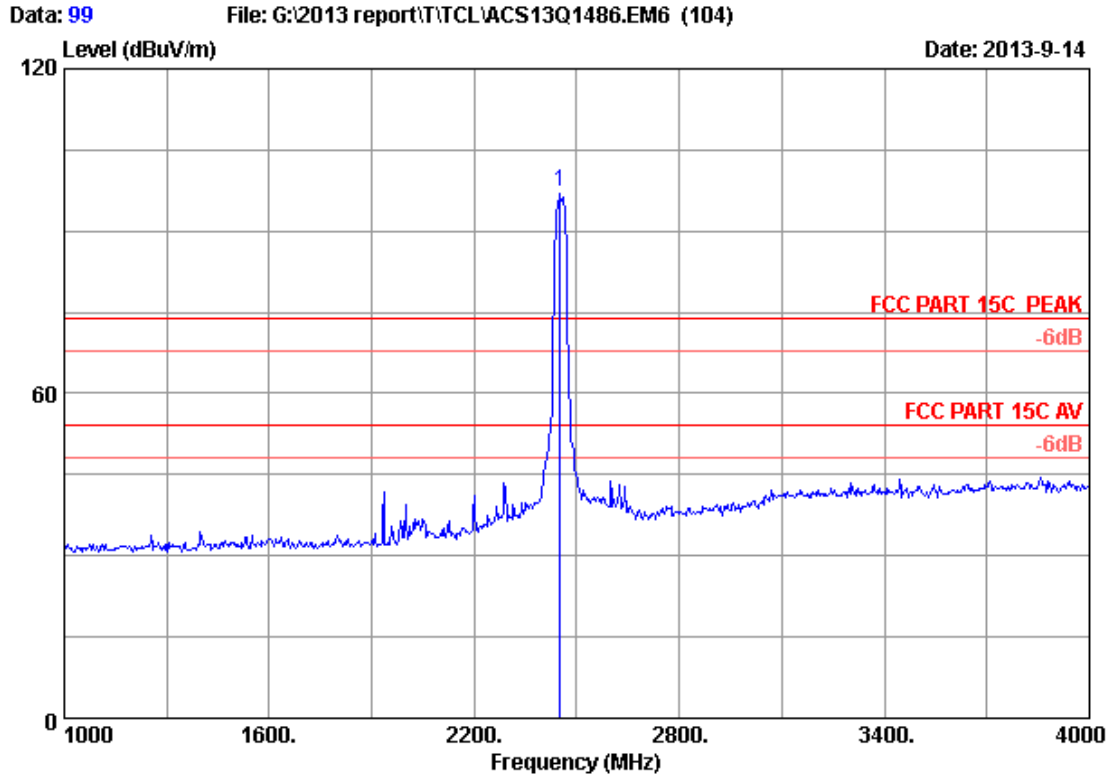


Site no. : 3m Chamber Data no. : 94
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2437MHz Tx Mode
 WAE22-DF01-AR

	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	4874.000	32.97	8.63	35.70	30.52	36.42	54.00	17.58	Average
2	4874.000	32.97	8.63	35.70	44.70	50.60	74.00	23.40	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.

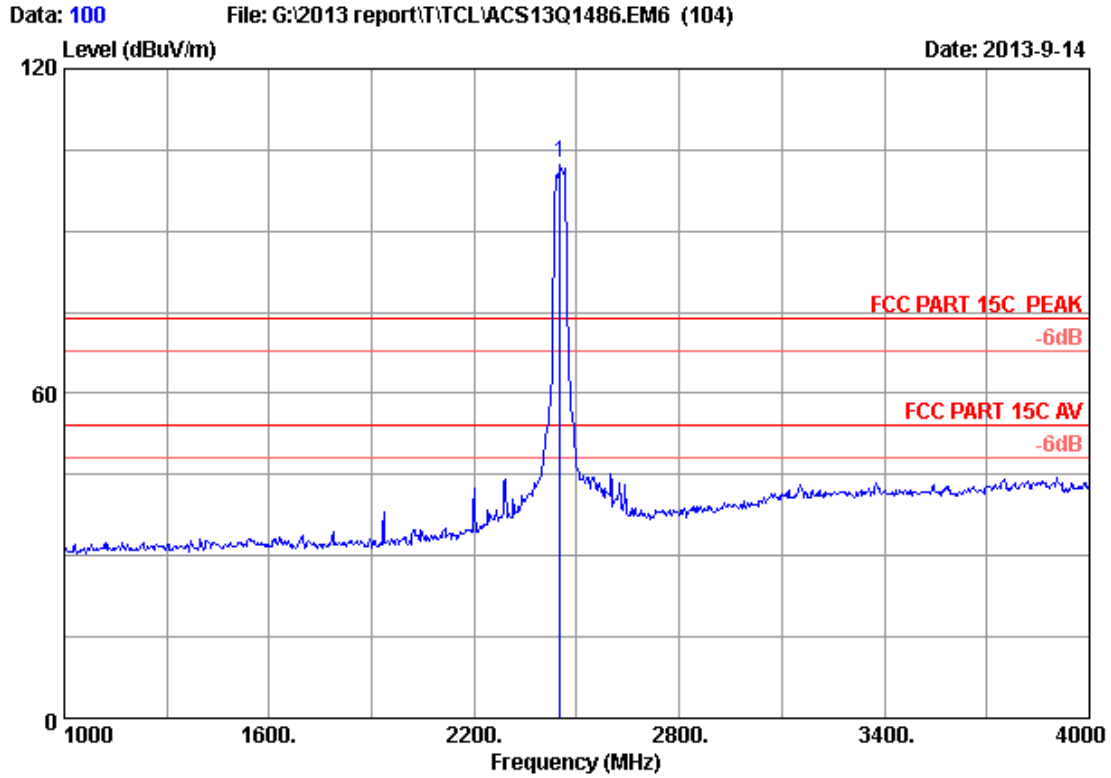


Site no. : 3m Chamber Data no. : 99
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.29	5.87	35.70	98.90	97.36	74.00	-23.36	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.

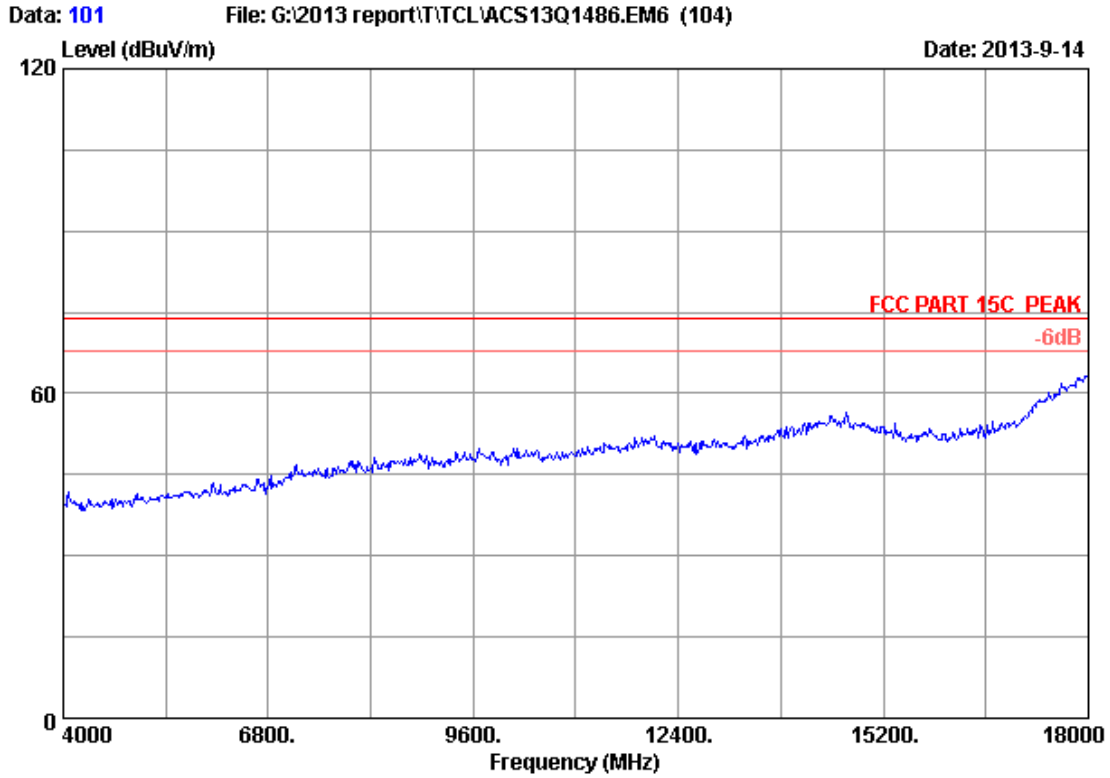


Site no. : 3m Chamber Data no. : 100
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

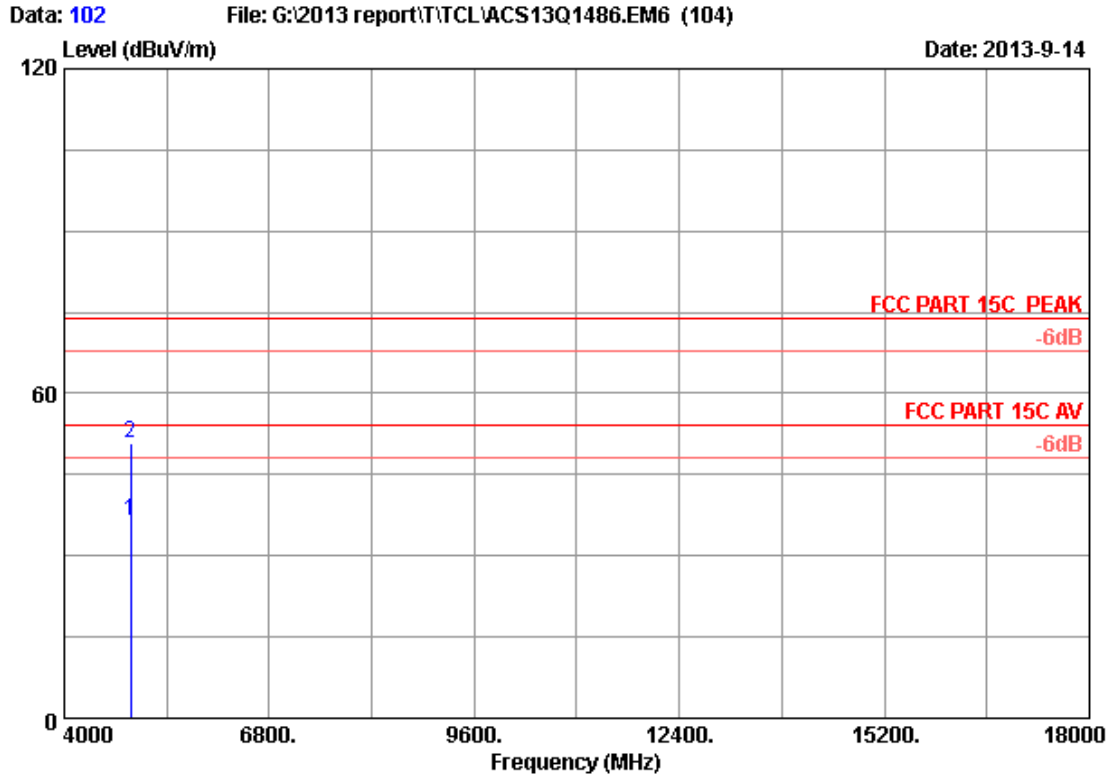
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	28.29	5.87	35.70	104.27	102.73	74.00	-28.73	Peak

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.



Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
WAE22-DF01-AR

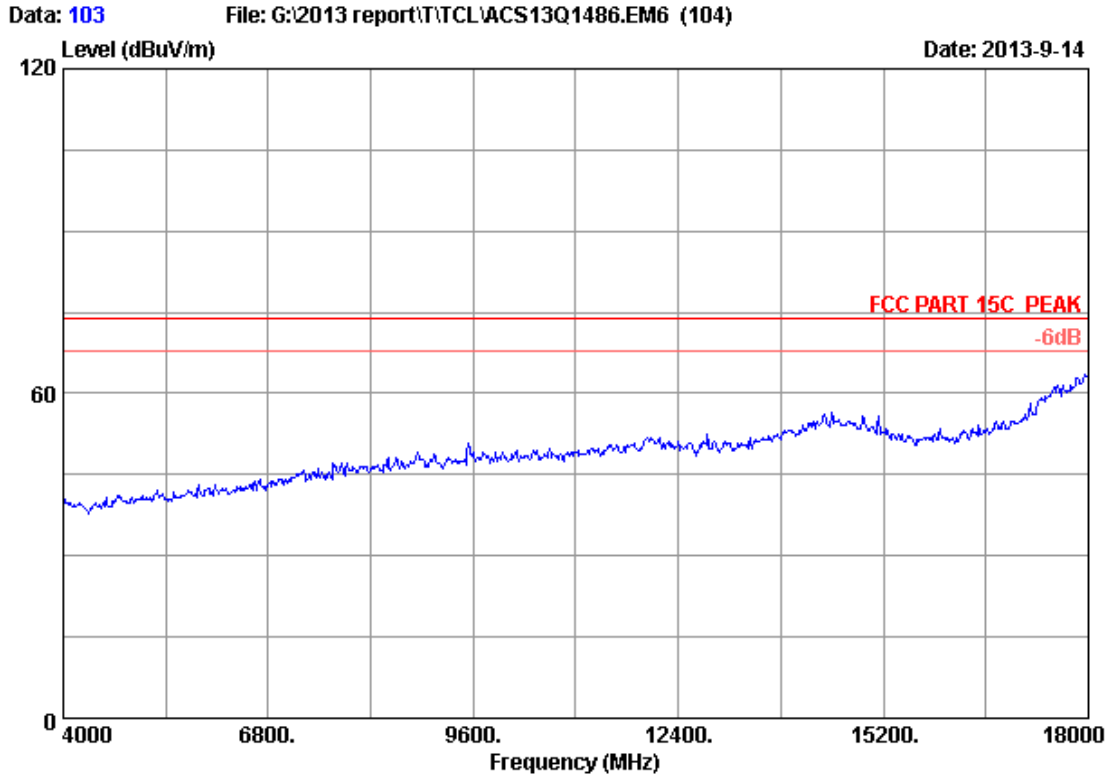


Site no. : 3m Chamber Data no. : 102
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

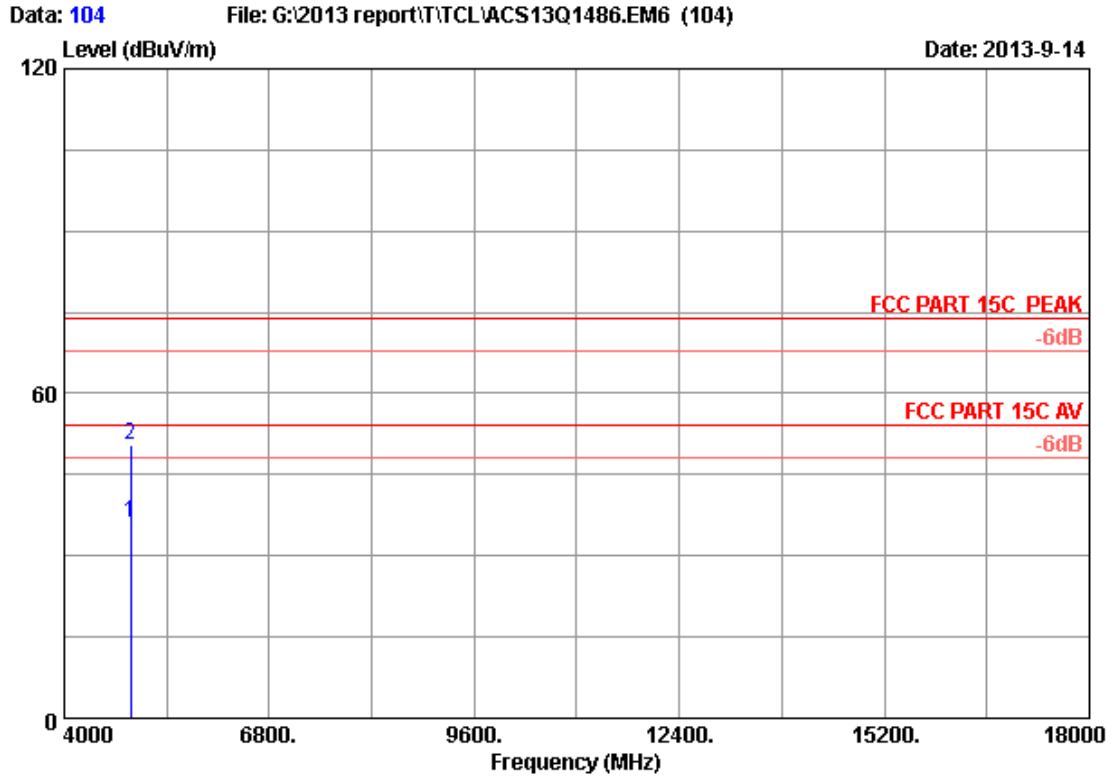
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	4904.000	33.03	8.66	35.70	30.37	36.36	54.00	17.64	Average
2	4904.000	33.03	8.66	35.70	44.73	50.72	74.00	23.28	Peak

Remarks:

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



Site no.	: 3m Chamber	Data no.	: 103
Dis. / Ant.	: 3m 2013 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer	: Kevin_Hu
EUT	: WIFI Module		
Power supply	: DC 5V		
Test mode	: IEEE802.11nHT40 2452MHz Tx Mode		
	: WAE22-DF01-AR		



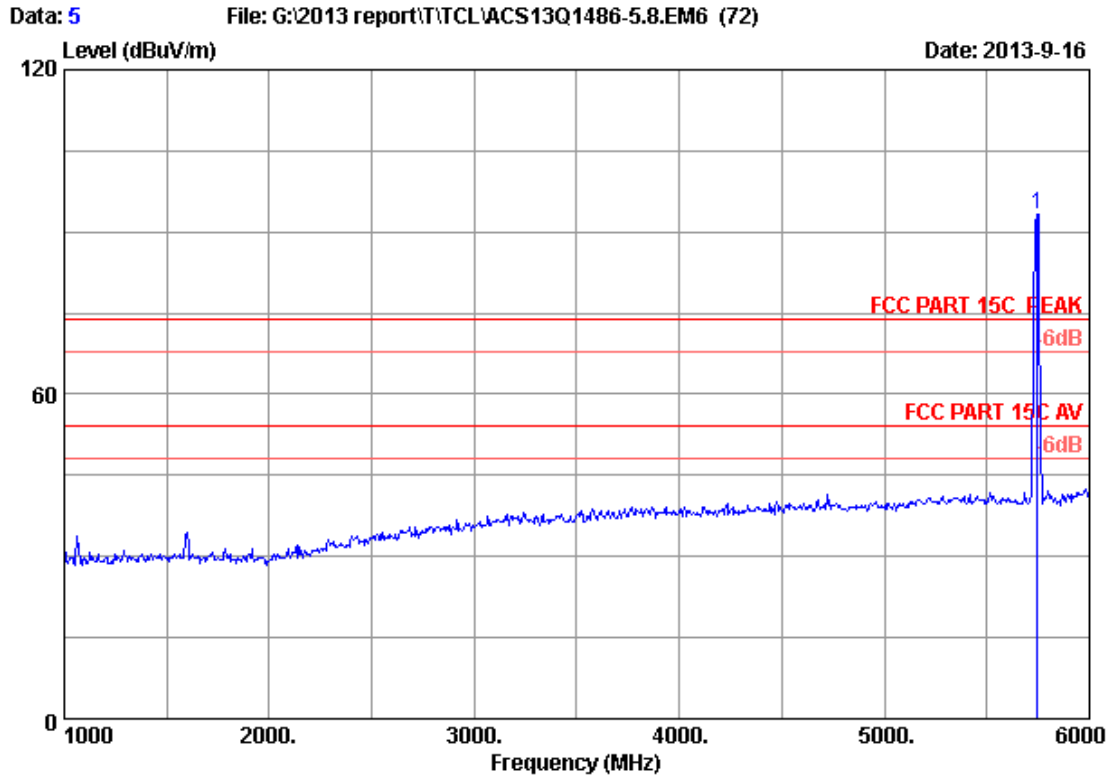
Site no. : 3m Chamber Data no. : 104
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Kevin_Hu
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	33.03	8.66	35.70	30.19	36.18	54.00	17.82	Average
2	33.03	8.66	35.70	44.36	50.35	74.00	23.65	Peak

Remarks:

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

5.8G:
Frequency: 1GHz~6GHz



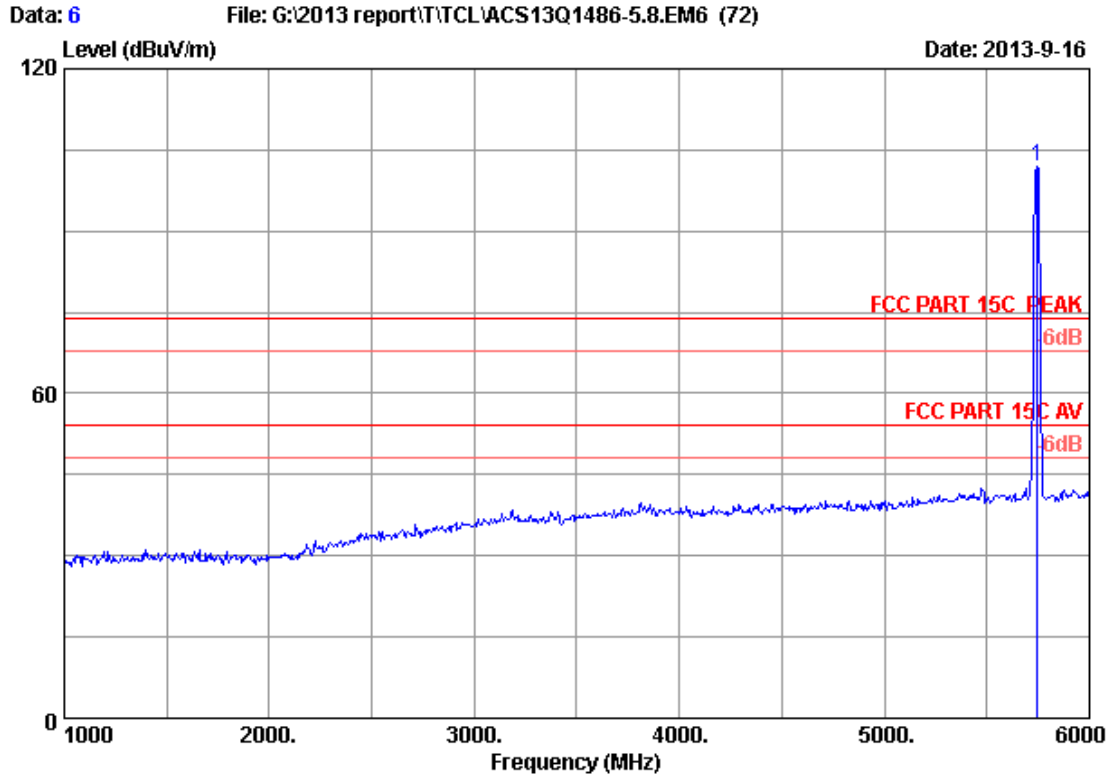
```

Site no.       : 3m Chamber           Data no.   : 5
Dis. / Ant.   : 3m 2013 3115 (4580)  Ant. pol.  : VERTICAL
Limit        : FCC PART 15C PEAK
Env. / Ins.   : 23°C/54%             Engineer   : leo-Li
EUT          : WIFI Module
Power supply  : DC 5V
Test mode    : IEEE802.11a CH149 5745MHz Tx
              WAE22-DF01-AR
    
```

	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 5745.000	34.10	9.55	35.70	85.44	93.39	74.00	-19.39	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.

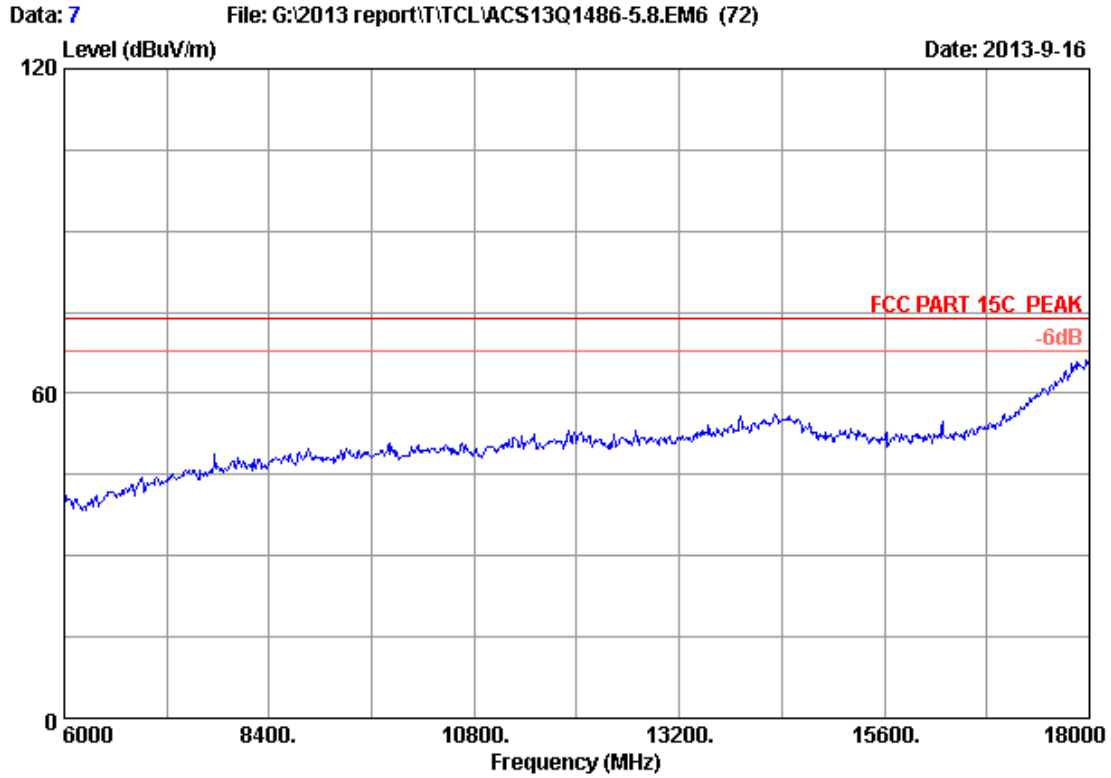


Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

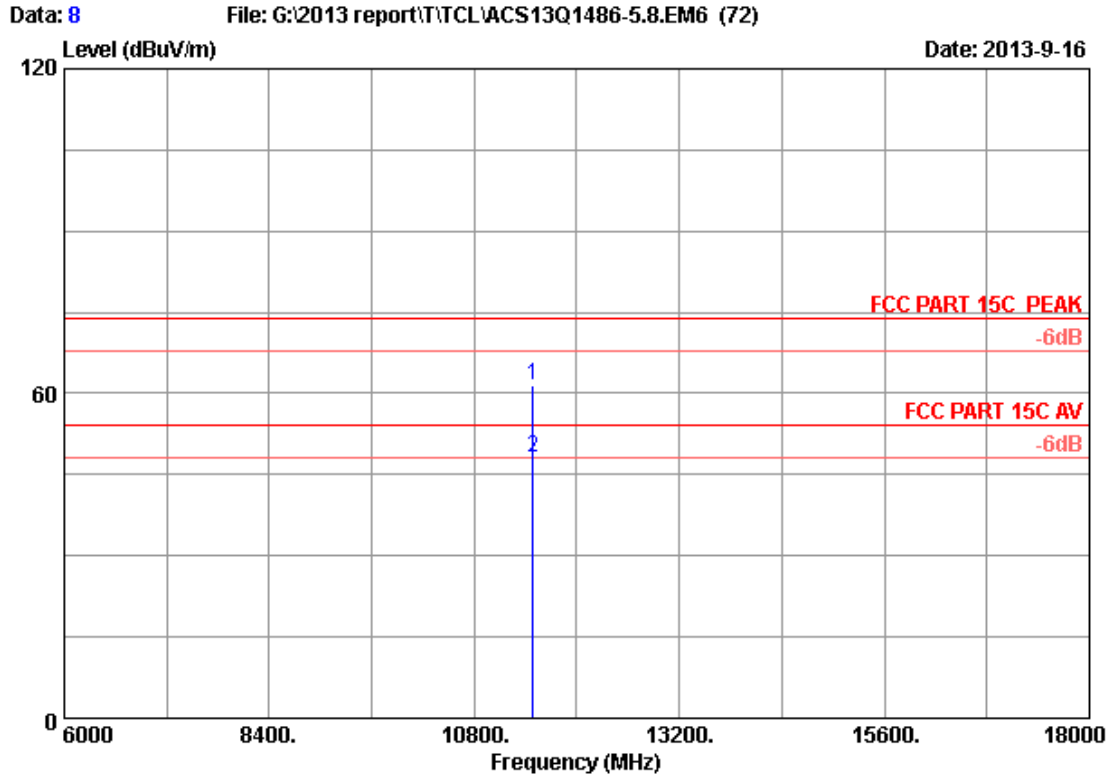
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.10	9.55	35.70	93.88	101.83	74.00	-27.83	Peak

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. : 7
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH149 5745MHz Tx
WAE22-DF01-AR

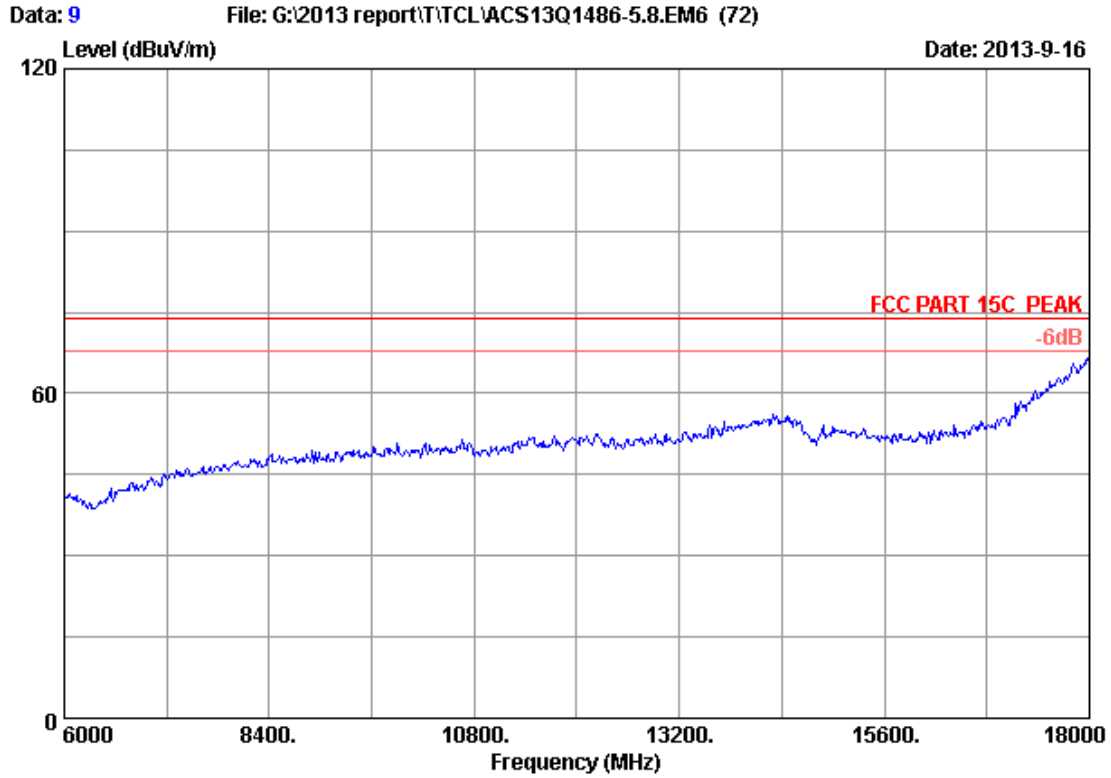


Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

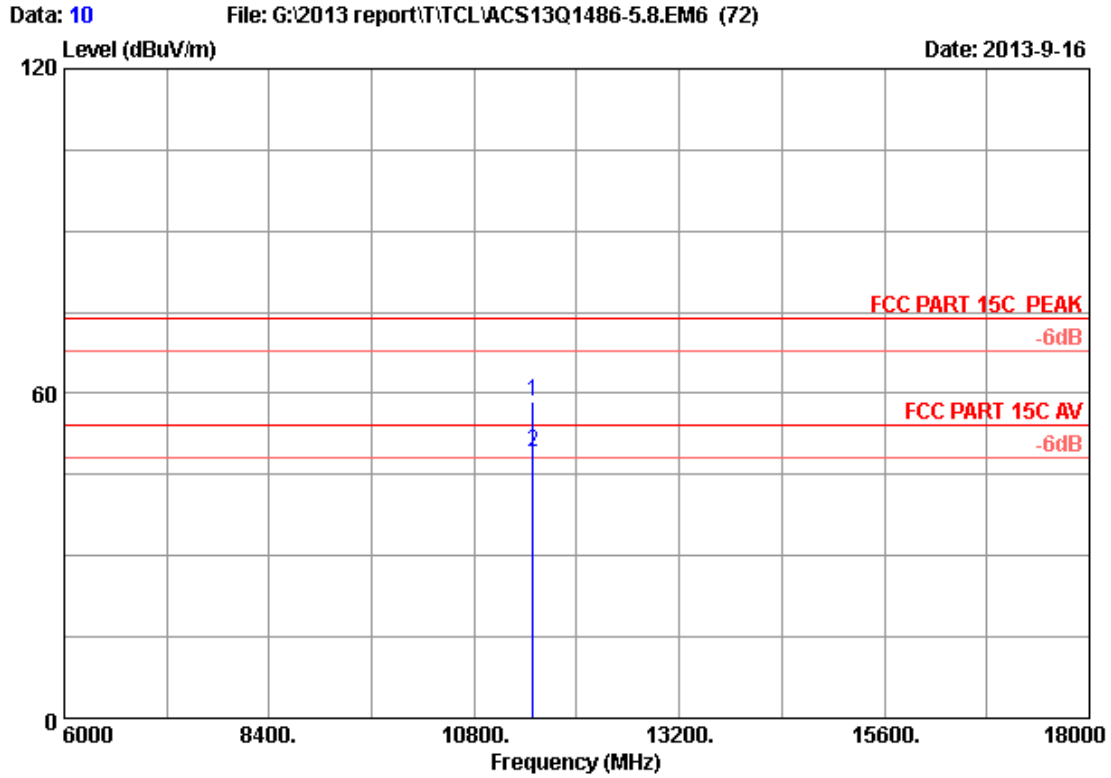
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 11490.000	38.69	13.28	35.28	44.66	61.35	74.00	12.65	Peak	
2 11490.000	38.69	13.28	35.28	31.59	48.28	54.00	5.72	Average	

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. : 9
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH149 5745MHz Tx
WAE22-DF01-AR

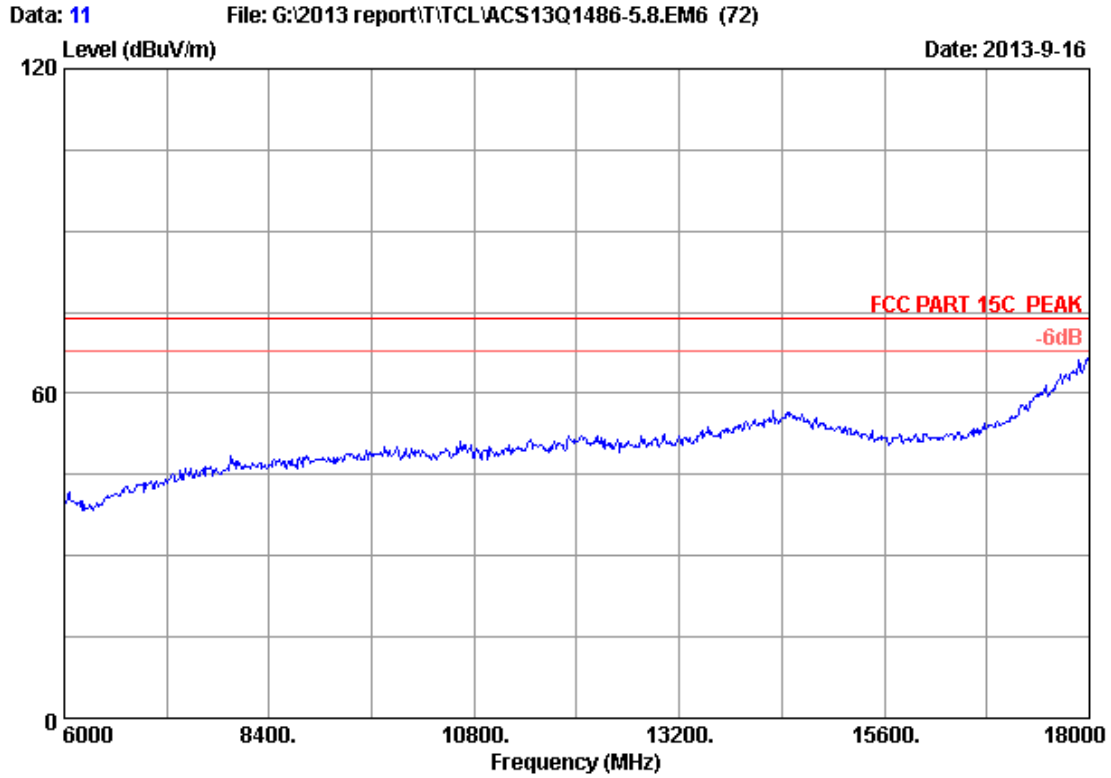


Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH149 5745MHz Tx
 WAE22-DF01-AR

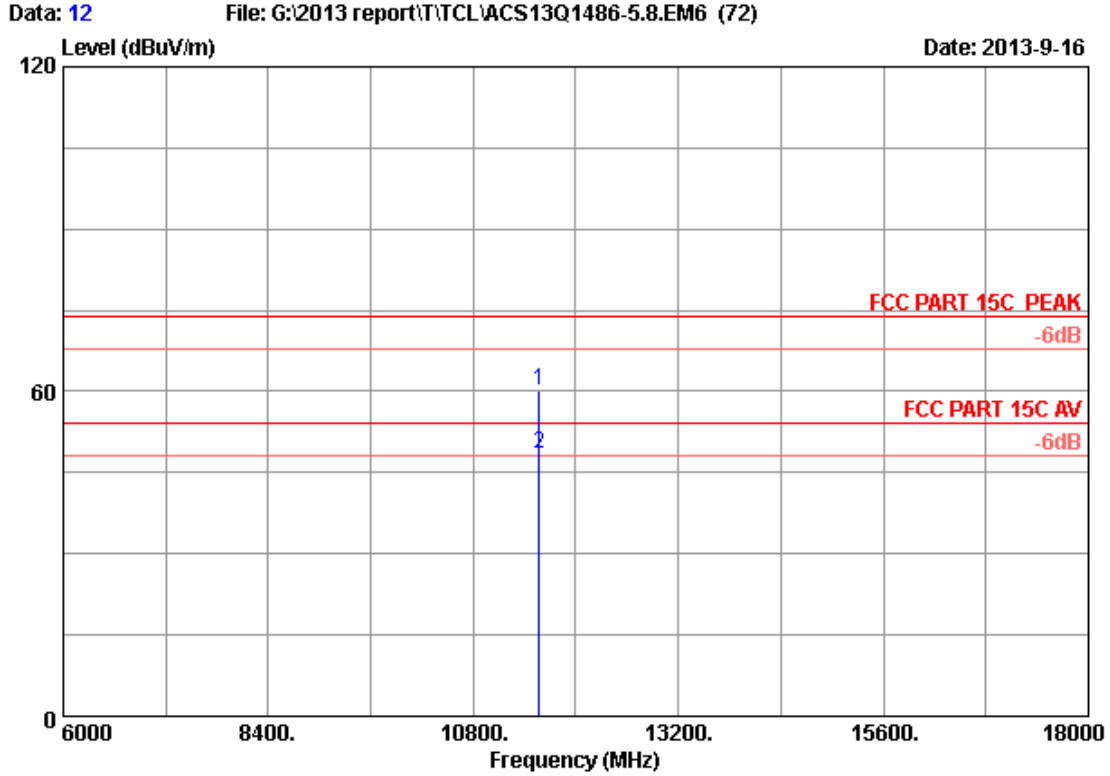
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	38.69	13.28	35.28	41.68	58.37	74.00	15.63	Peak
2	38.69	13.28	35.28	32.42	49.11	54.00	4.89	Average

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. : 11
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH157 5785MHz Tx
WAE22-DF01-AR

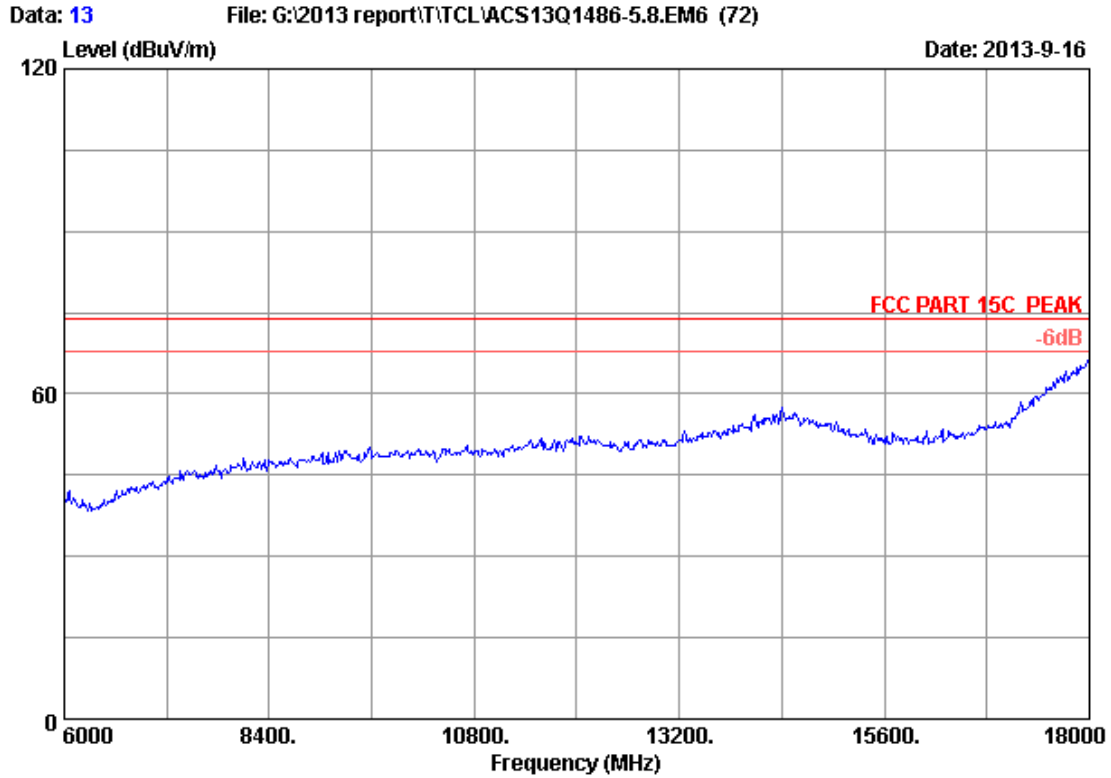


Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH157 5785MHz Tx
 WAE22-DF01-AR

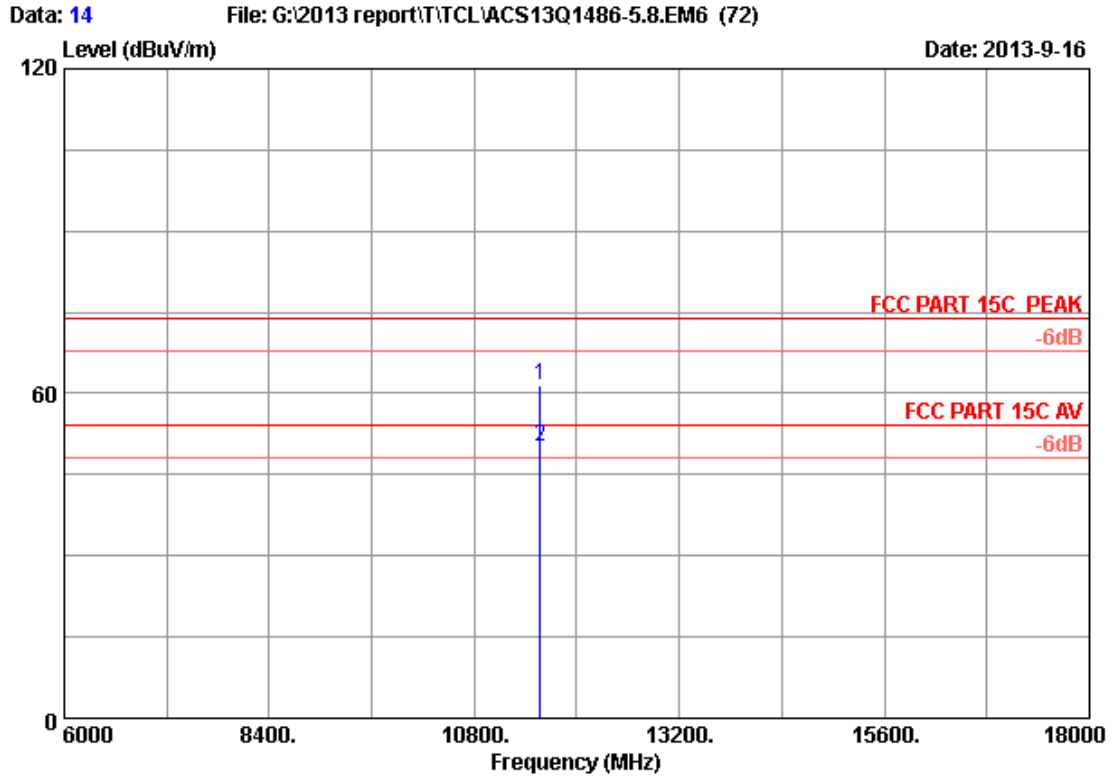
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 11570.000	38.80	13.32	35.26	43.44	60.30	74.00	13.70	Peak
2 11570.000	38.80	13.32	35.26	31.51	48.37	54.00	5.63	Average

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.



Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH157 5785MHz Tx
WAE22-DF01-AR

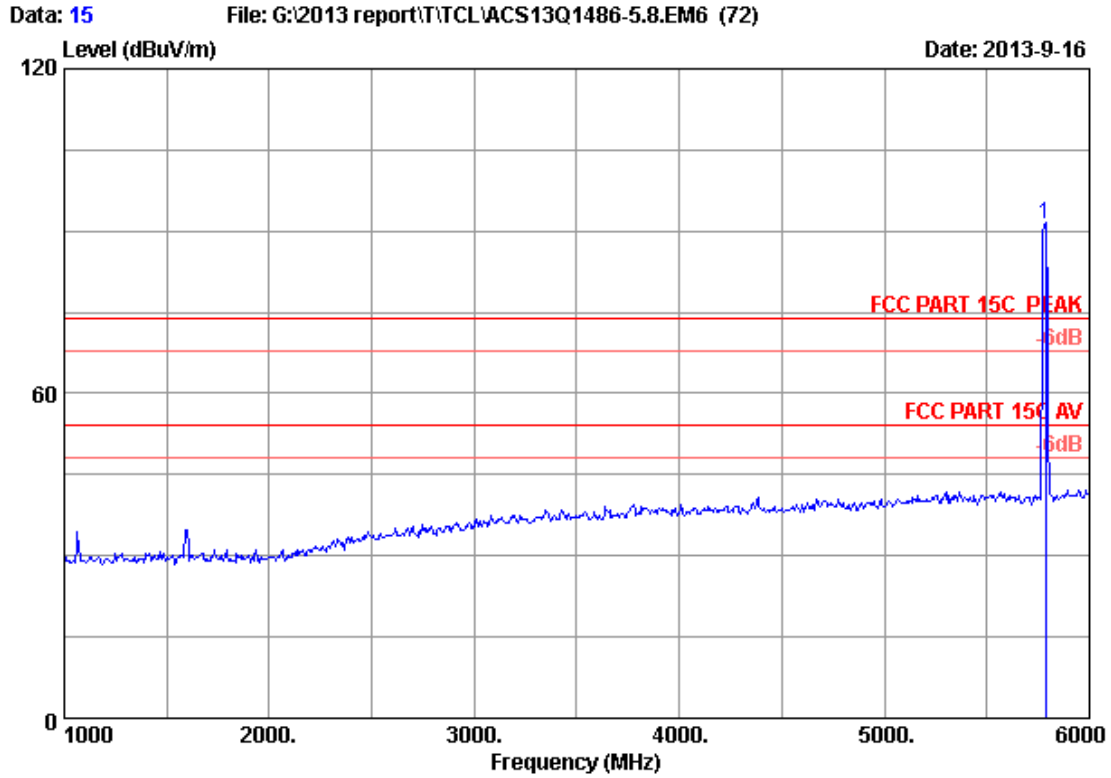


Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH157 5785MHz Tx
 WAE22-DF01-AR

	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 11570.000	38.80	13.32	35.26	44.52	61.38	74.00	12.62	Peak	
2 11570.000	38.80	13.32	35.26	33.14	50.00	54.00	4.00	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.

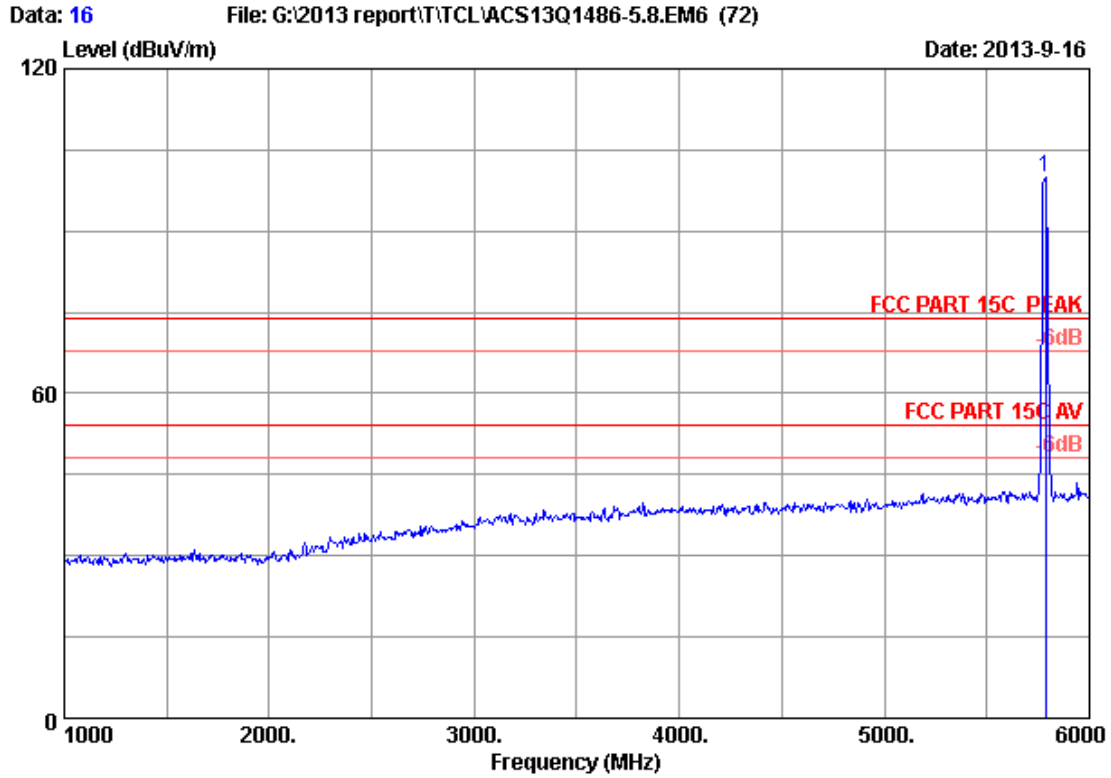


Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH157 5785MHz Tx
 WAE22-DF01-AR

	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 5785.000	34.11	9.59	35.70	83.41	91.41	74.00	-17.41	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.

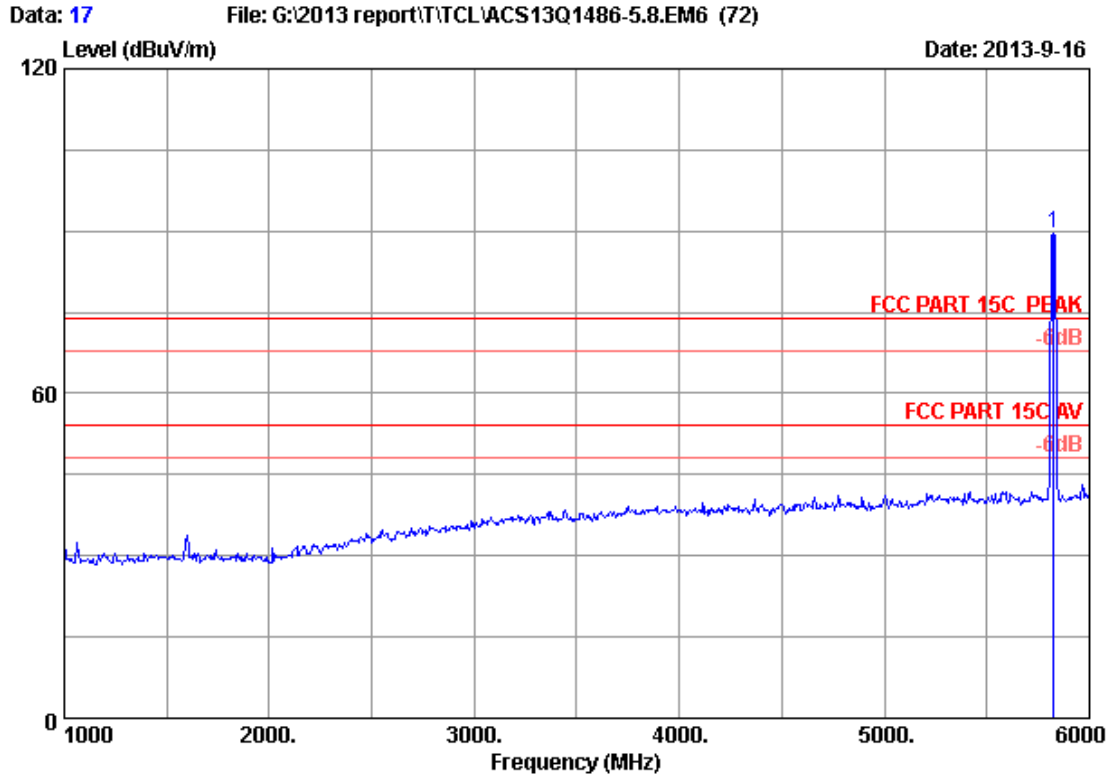


Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH157 5785MHz Tx
 WAE22-DF01-AR

	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 5785.000	34.11	9.59	35.70	91.91	99.91	74.00	-25.91	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.

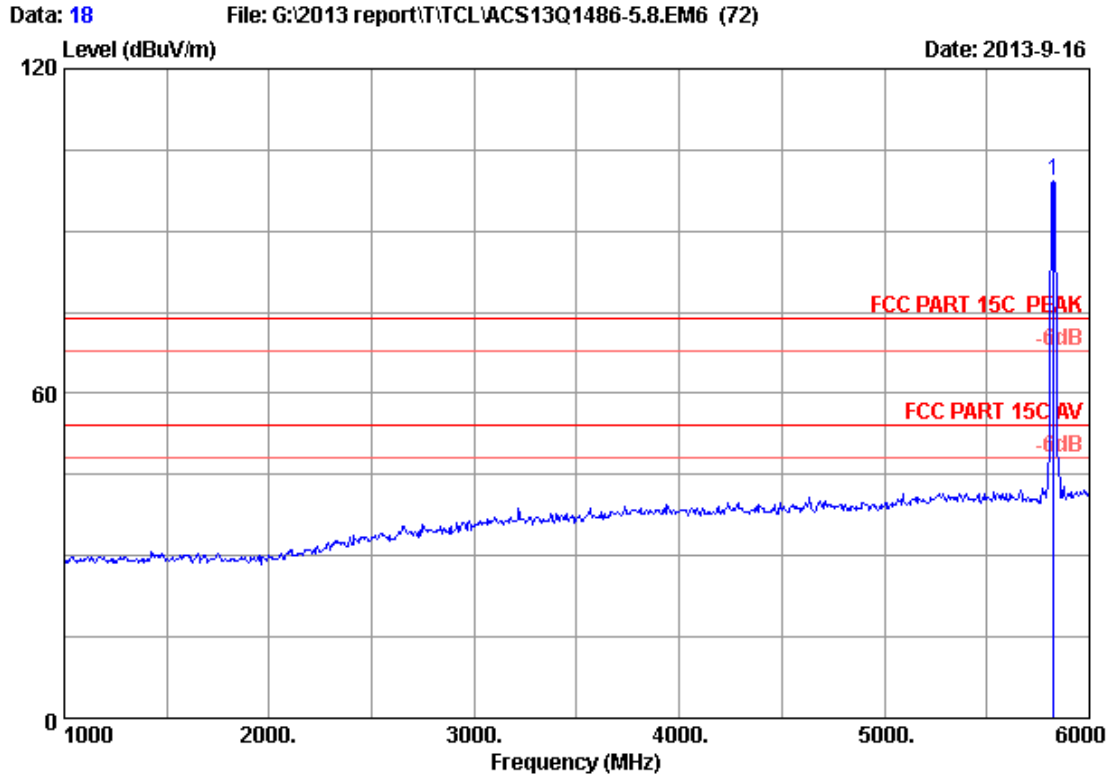


Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

	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 5825.000	34.13	9.63	35.70	81.65	89.71	74.00	-15.71	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.

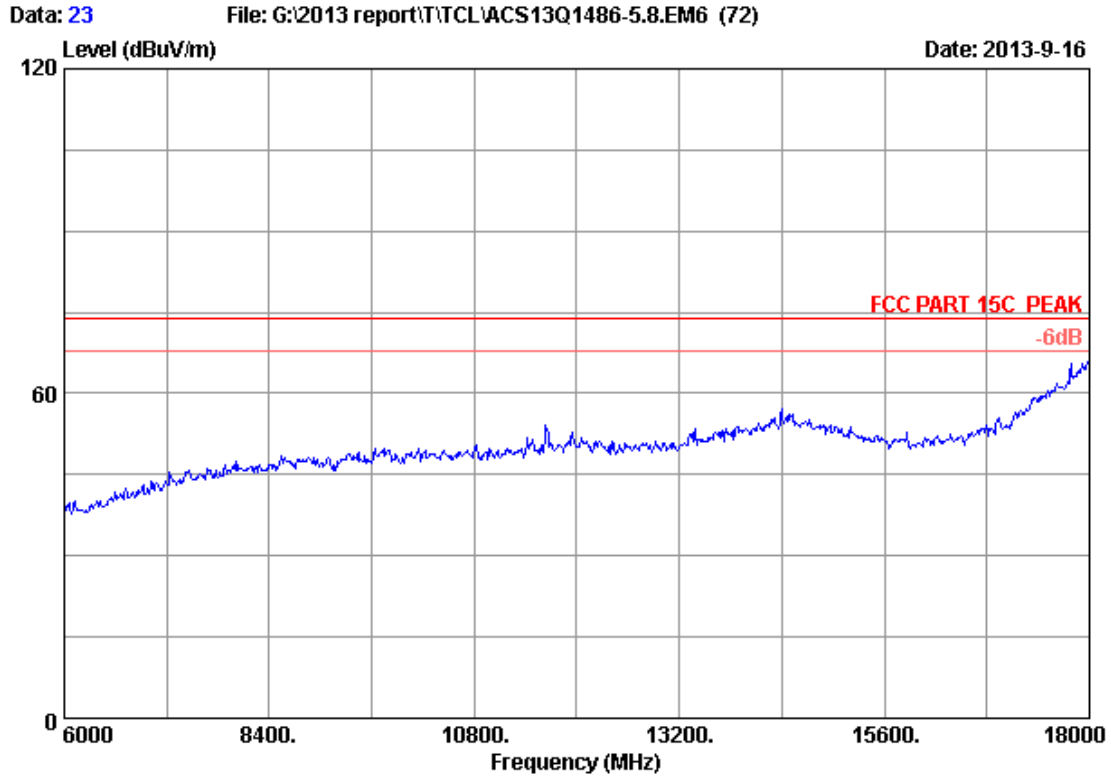


Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

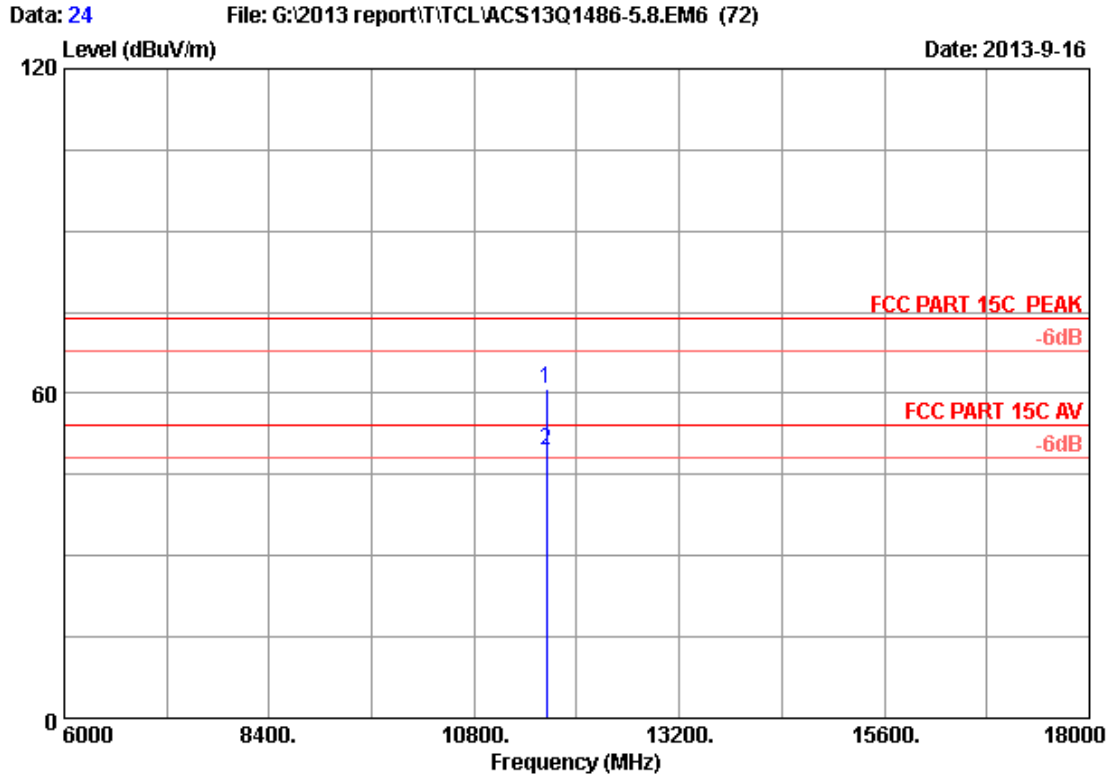
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.13	9.63	35.70	91.20	99.26	74.00	-25.26	Peak

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. : 23
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH165 5825MHz Tx
WAE22-DF01-AR

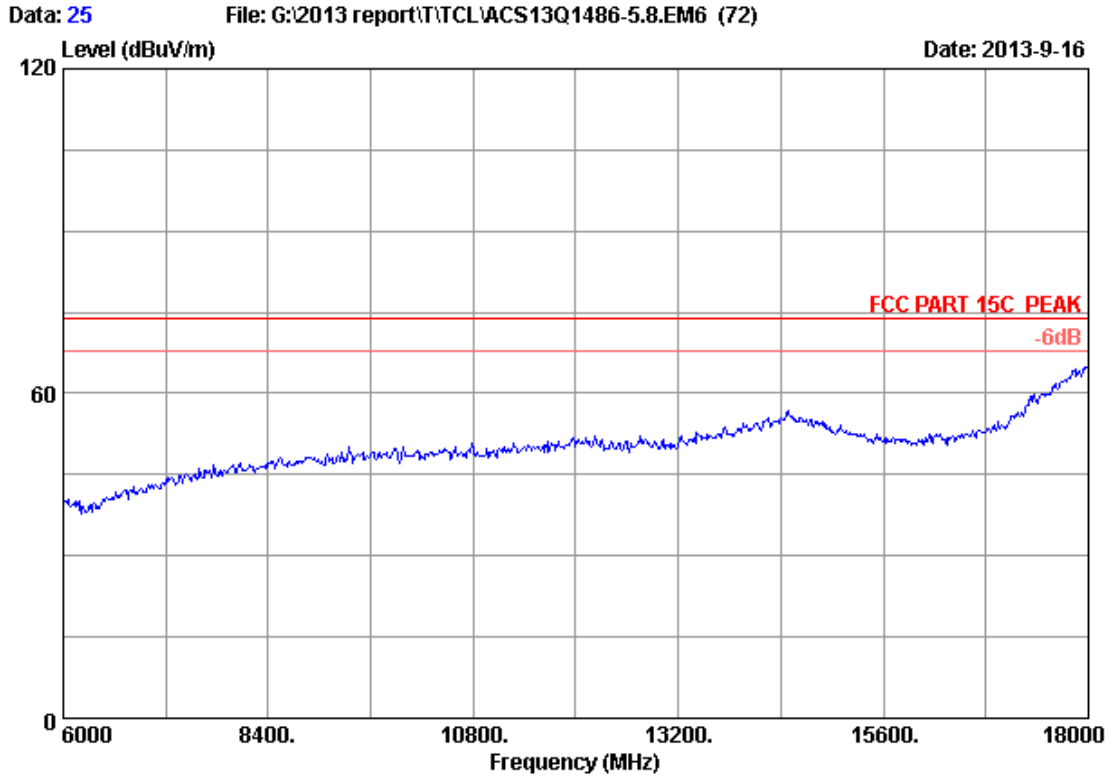


Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

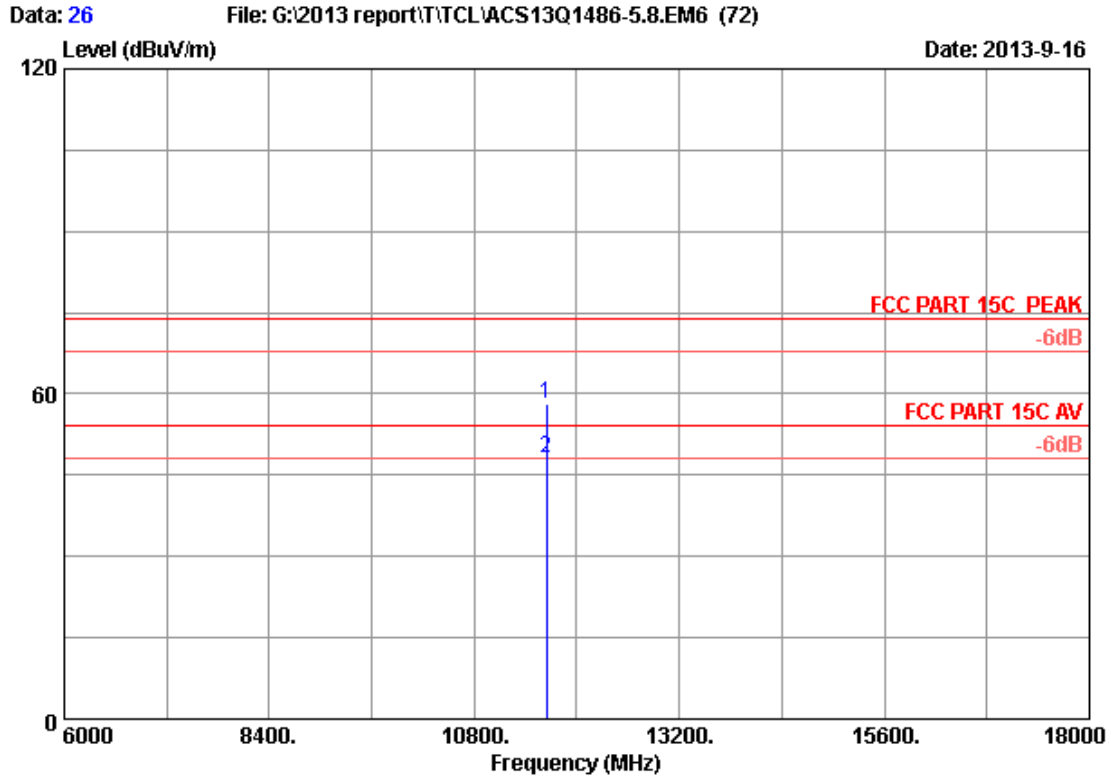
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 11650.000	38.91	13.37	35.25	43.86	60.89	74.00	13.11	Peak	
2 11650.000	38.91	13.37	35.25	32.46	49.49	54.00	4.51	Average	

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. : 25
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11a CH165 5825MHz Tx
WAE22-DF01-AR

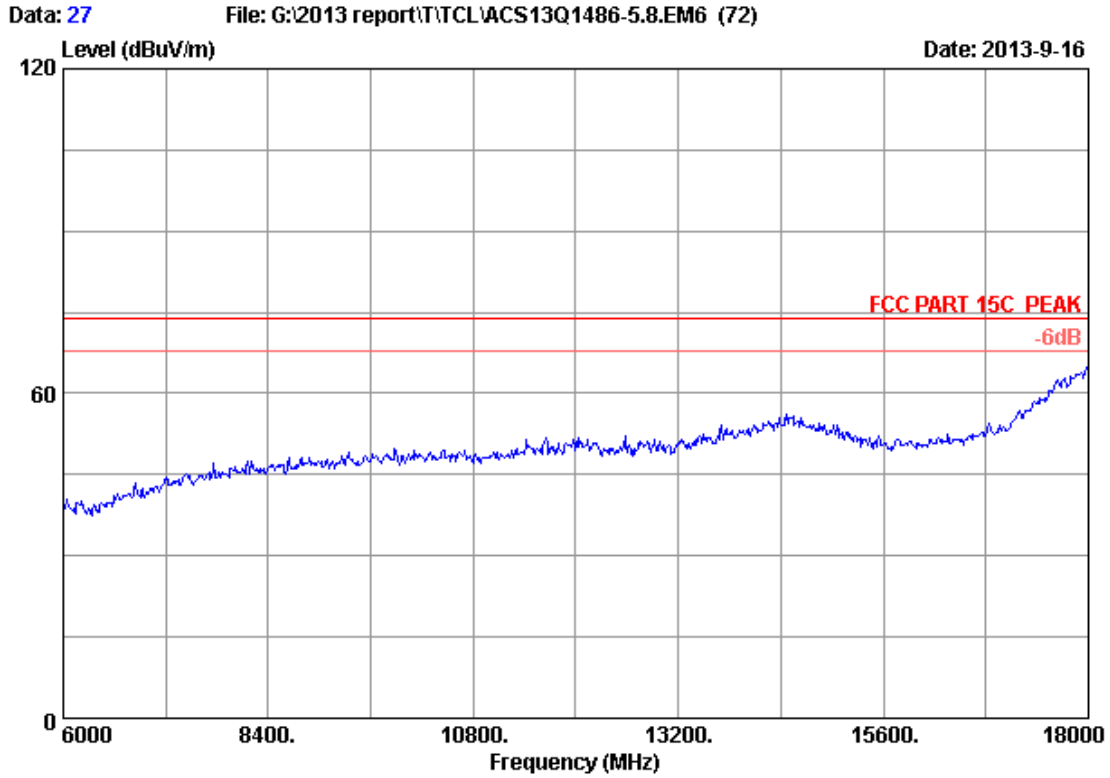


Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11a CH165 5825MHz Tx
 WAE22-DF01-AR

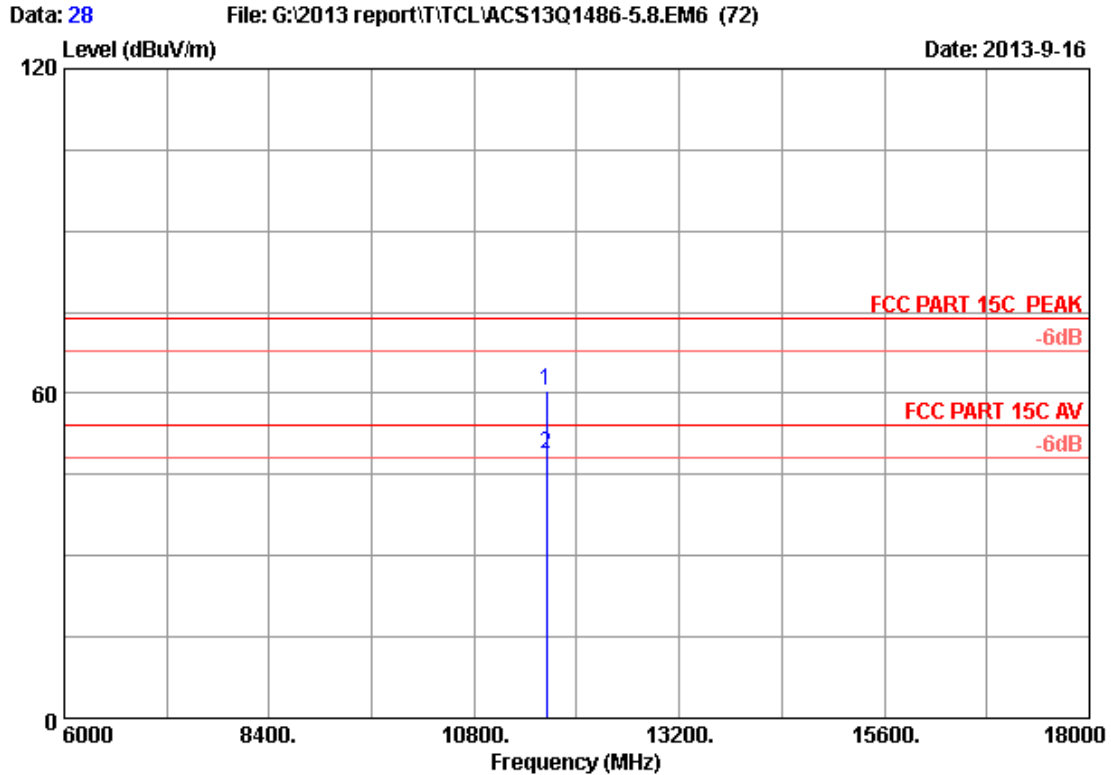
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1 11650.000	38.91	13.37	35.25	41.19	58.22	74.00	15.78	Peak
2 11650.000	38.91	13.37	35.25	30.98	48.01	54.00	5.99	Average

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. : 27
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
WAE22-DF01-AR

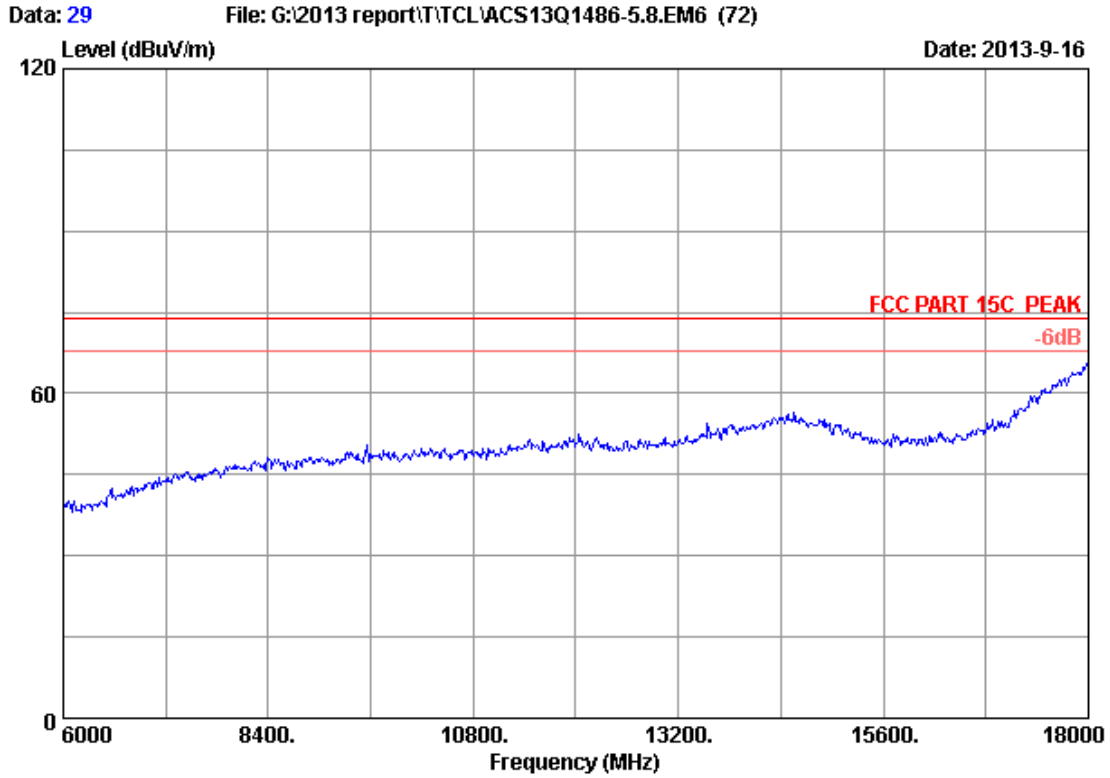


Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

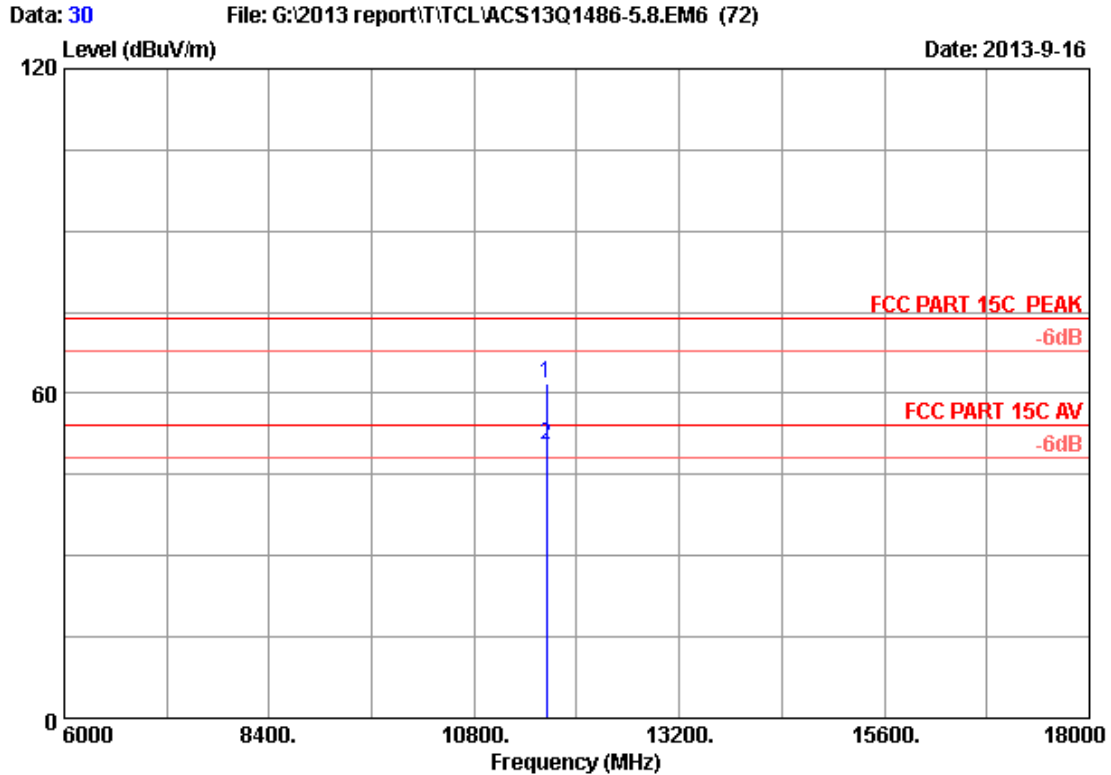
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	38.91	13.37	35.25	43.57	60.60	74.00	13.40	Peak
2	38.91	13.37	35.25	31.68	48.71	54.00	5.29	Average

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. : 29
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
WAE22-DF01-AR

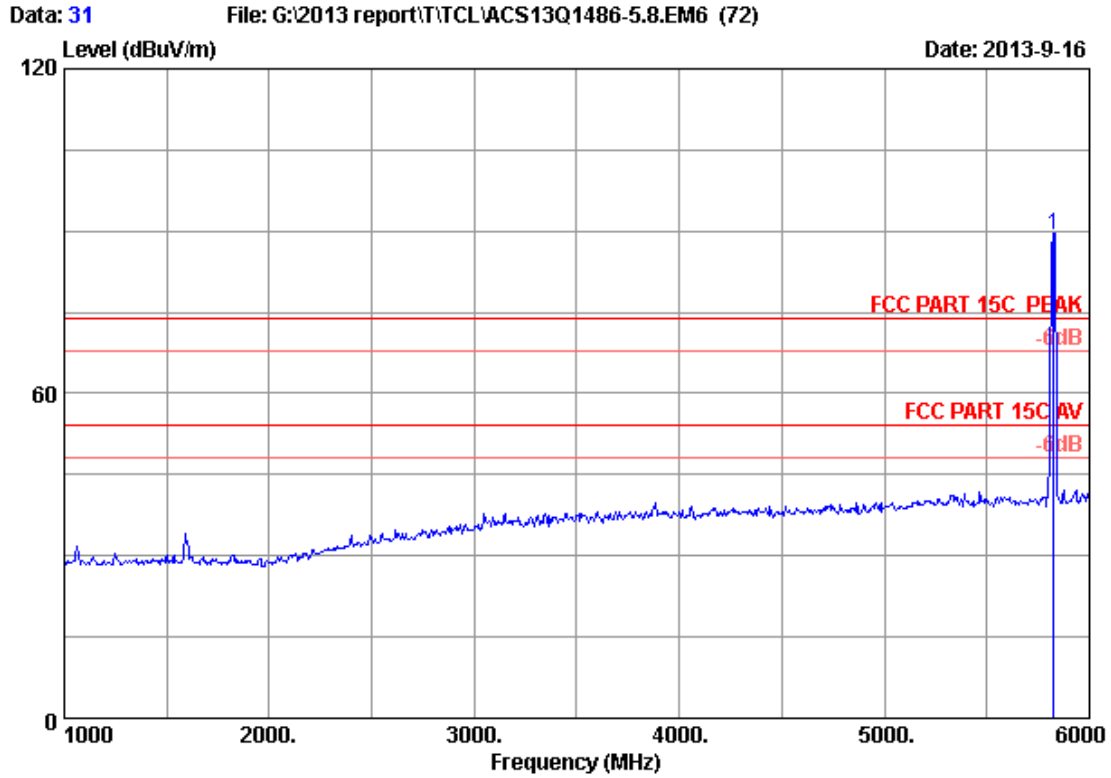


Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	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 11650.000	38.91	13.37	35.25	44.68	61.71	74.00	12.29	Peak	
2 11650.000	38.91	13.37	35.25	33.39	50.42	54.00	3.58	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.

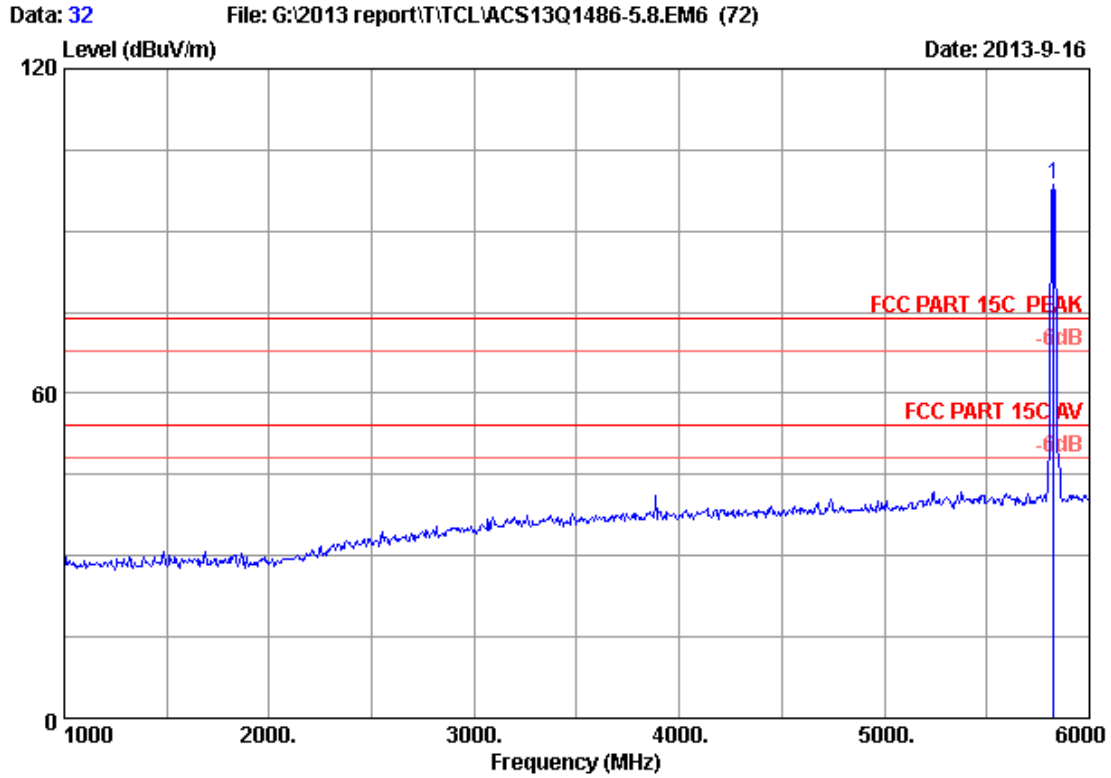


Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.13	9.63	35.70	81.35	89.41	74.00	-15.41	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.

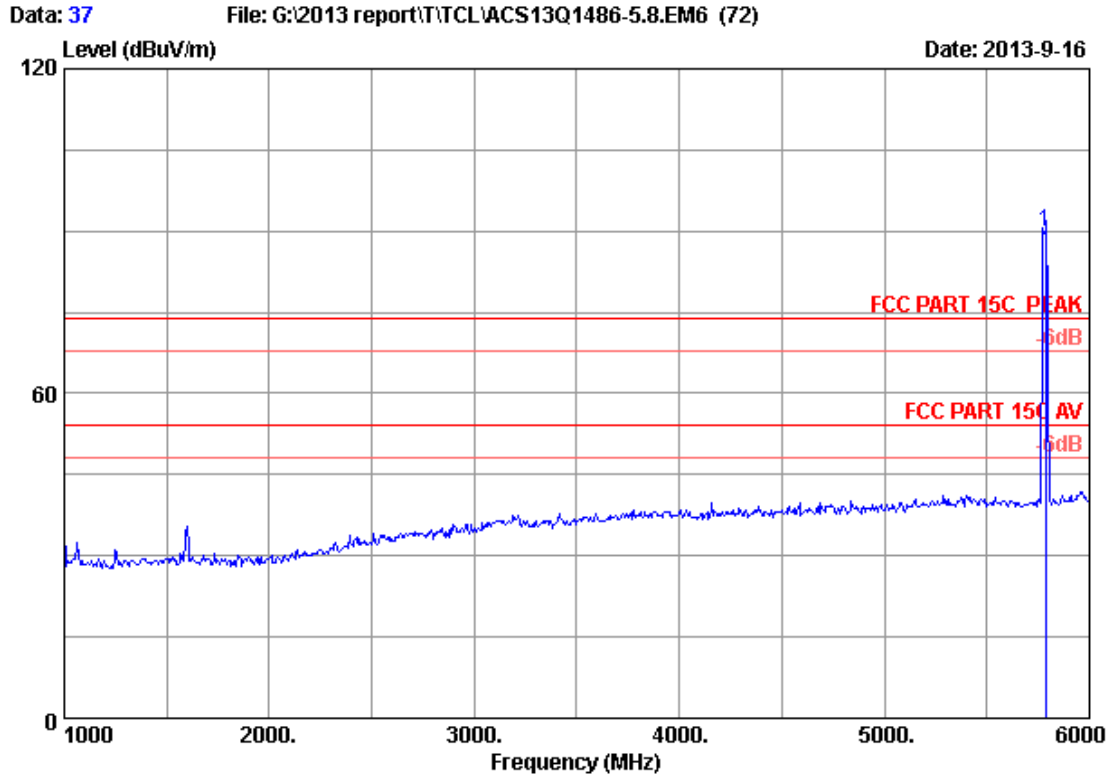


Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx
 WAE22-DF01-AR

	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 5825.000	34.13	9.63	35.70	90.51	98.57	74.00	-24.57	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.

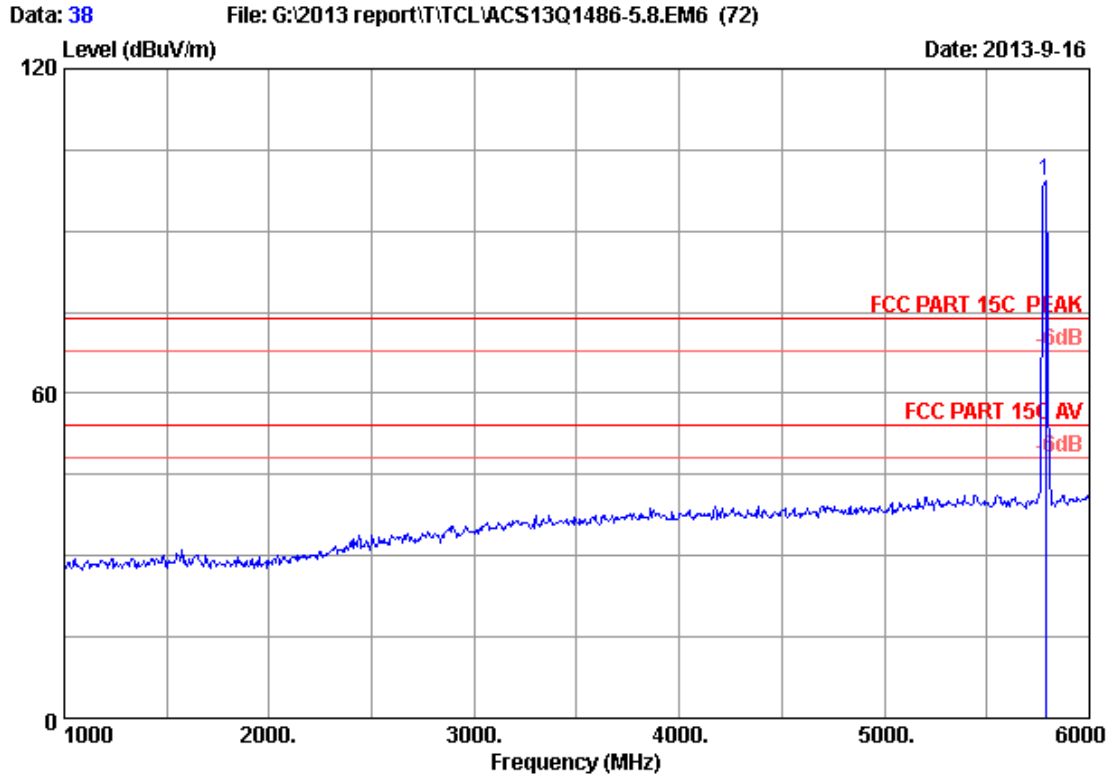


Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
 WAE22-DF01-AR

	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 5785.000	34.11	9.59	35.70	81.78	89.78	74.00	-15.78	Peak

Remarks:

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

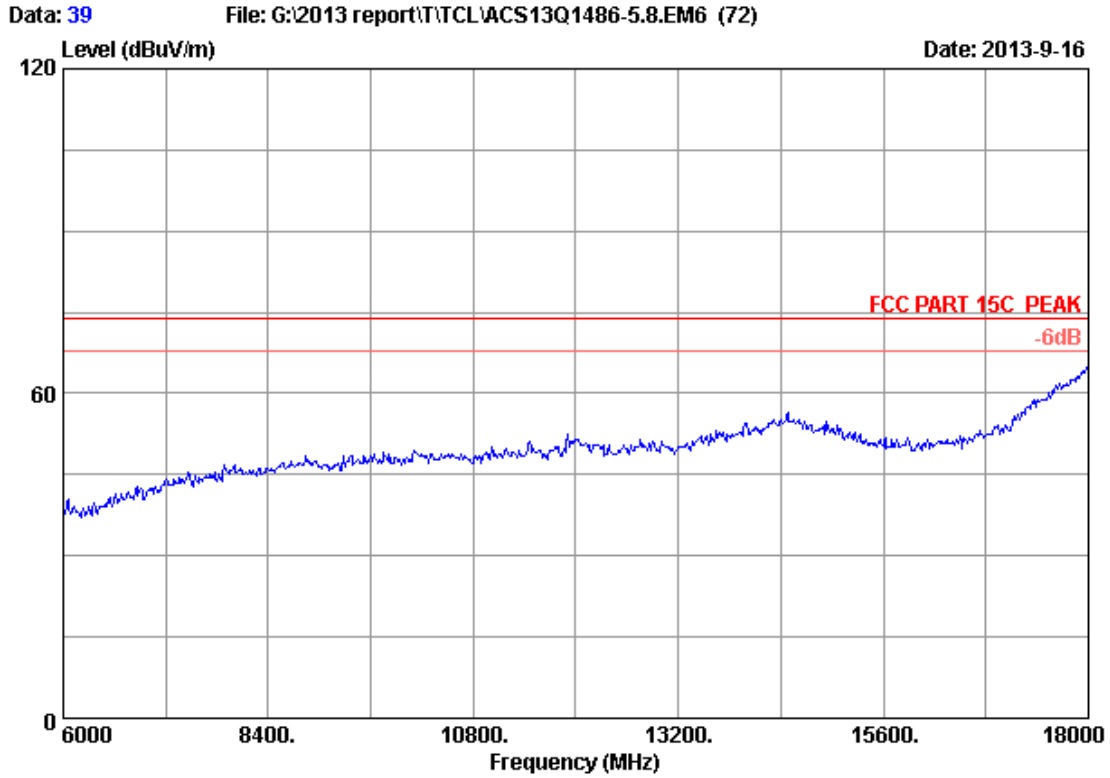


Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
 WAE22-DF01-AR

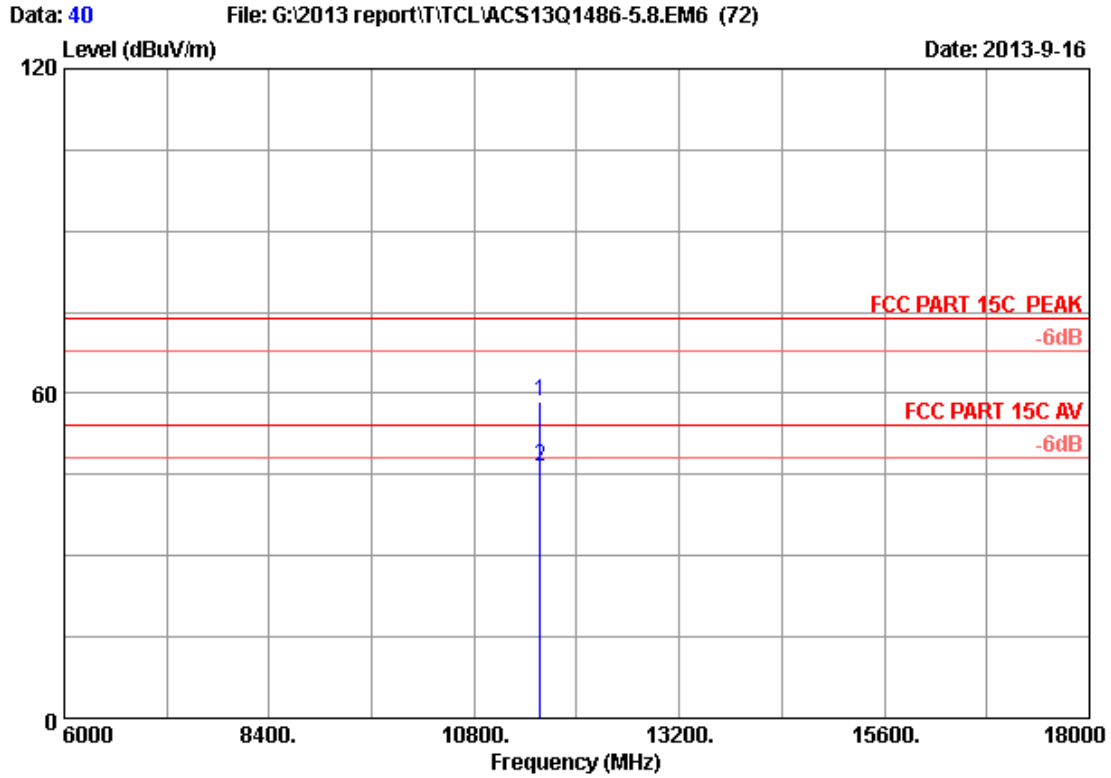
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)	
1 5785.000	34.11	9.59	35.70	91.14	99.14	74.00	-25.14	Peak

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.



Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
WAE22-DF01-AR

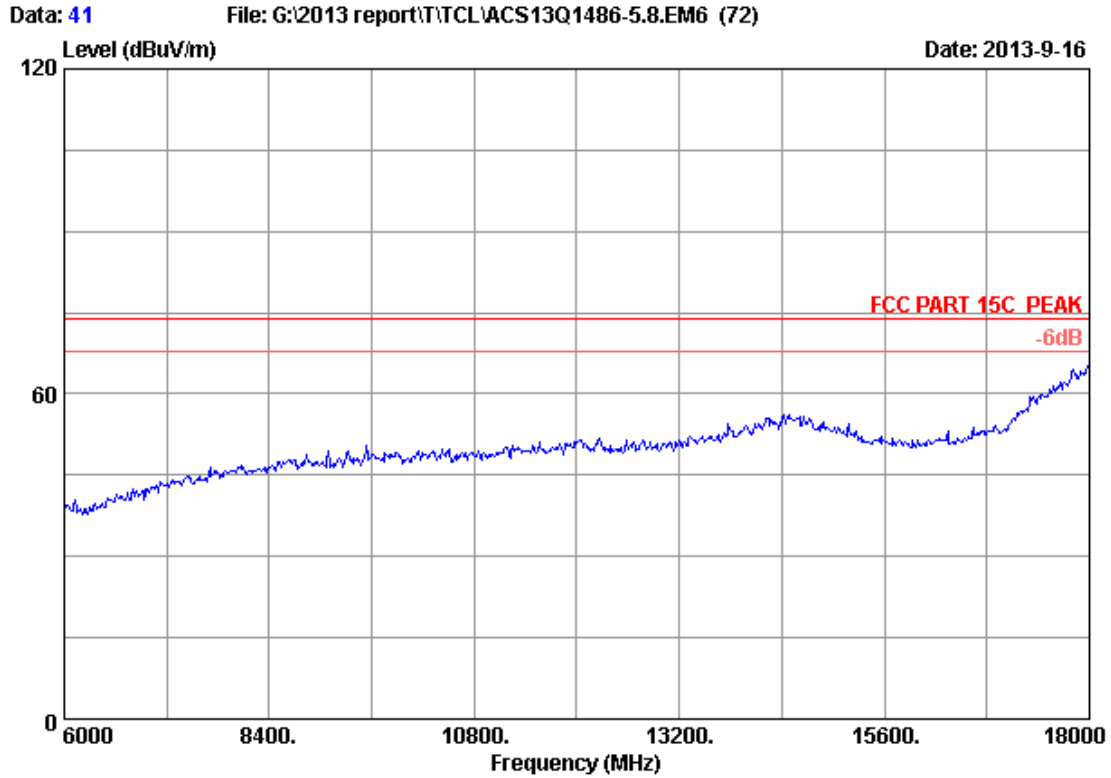


Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
 WAE22-DF01-AR

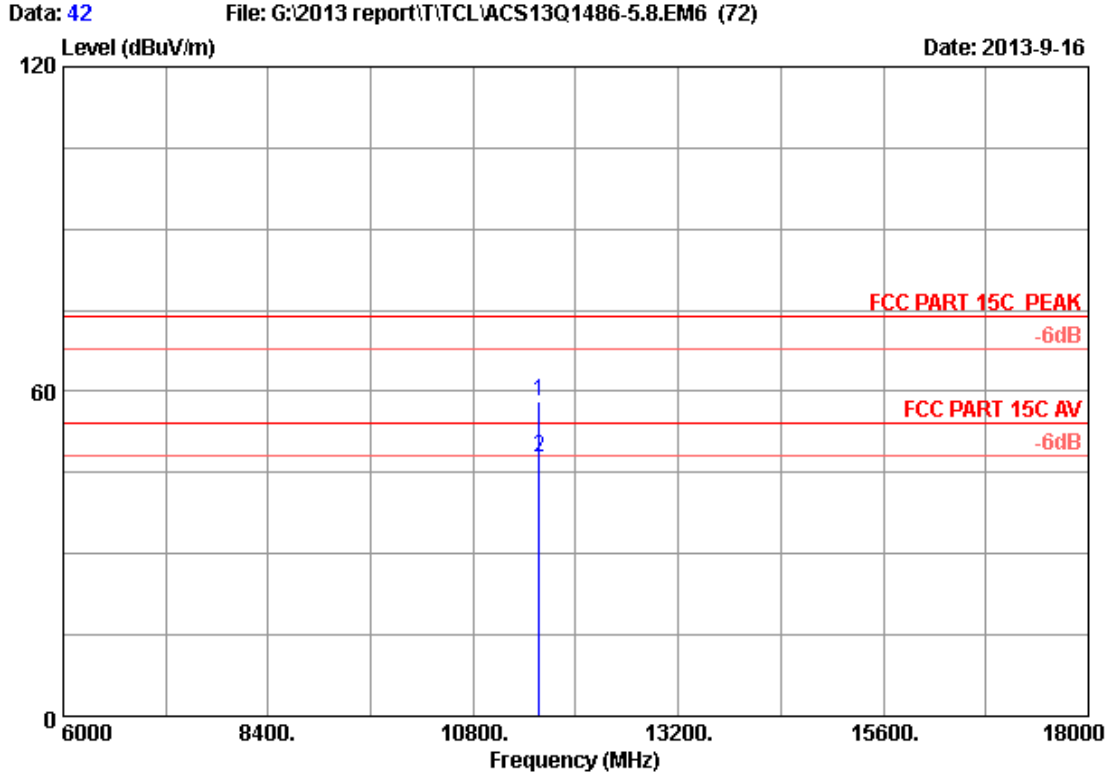
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 11570.000	38.80	13.32	35.26	41.70	58.56	74.00	15.44	Peak
2 11570.000	38.80	13.32	35.26	29.48	46.34	54.00	7.66	Average

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. : 41
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
WAE22-DF01-AR

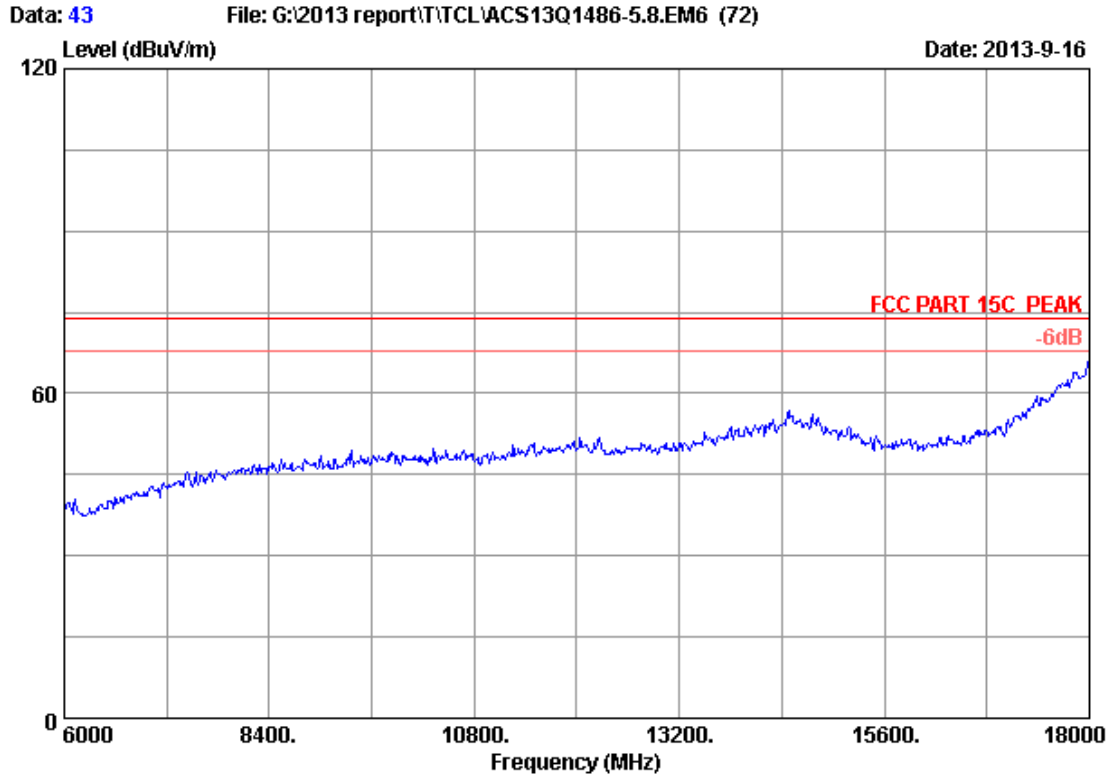


Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH157 5785MHz Tx
 WAE22-DF01-AR

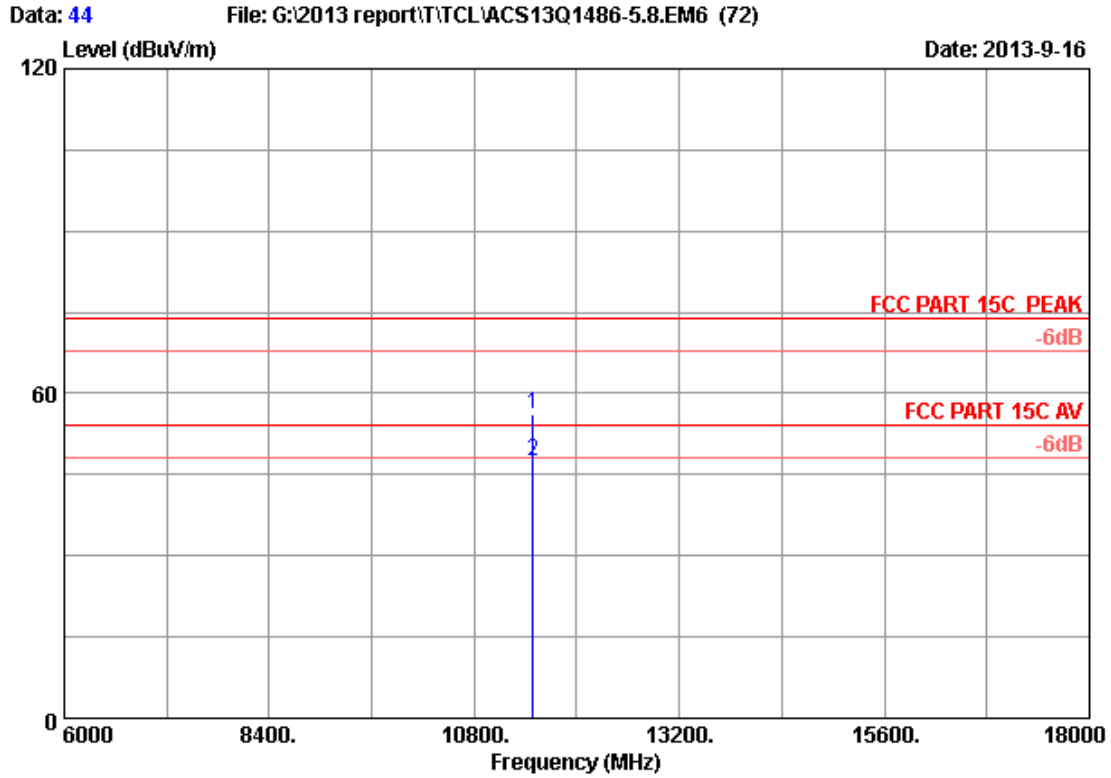
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 11570.000	38.80	13.32	35.26	41.27	58.13	74.00	15.87	Peak	
2 11570.000	38.80	13.32	35.26	30.89	47.75	54.00	6.25	Average	

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. : 43
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
WAE22-DF01-AR

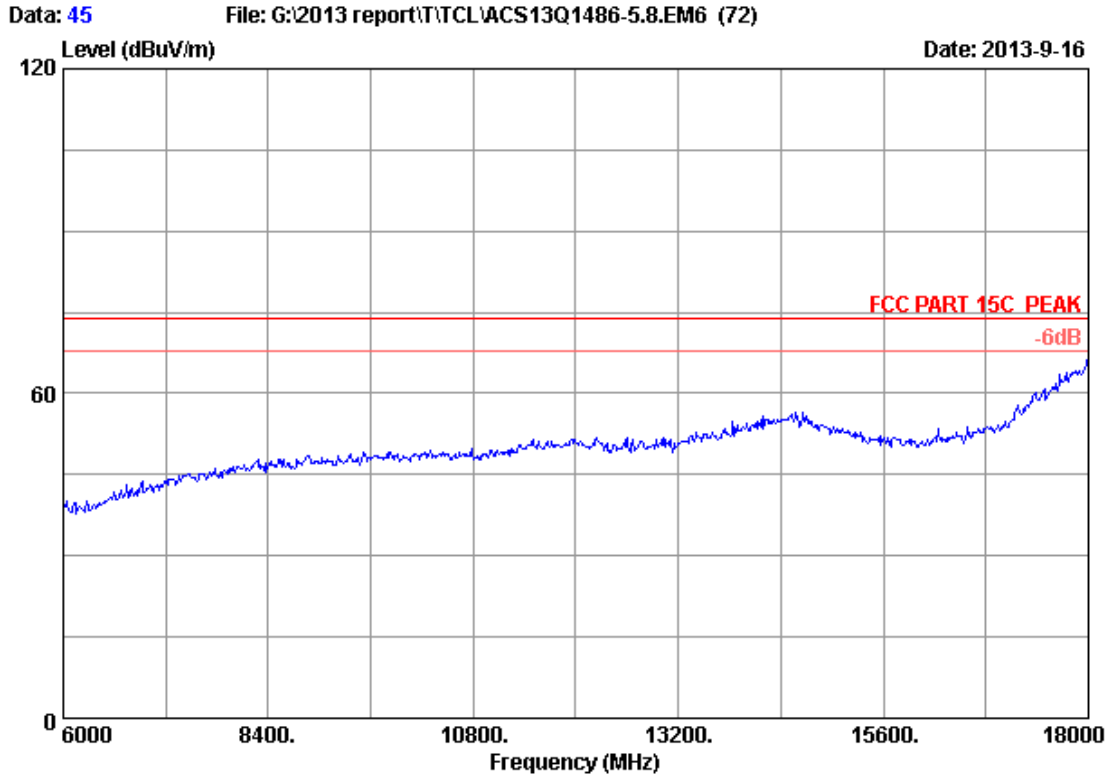


Site no. : 3m Chamber Data no. : 44
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

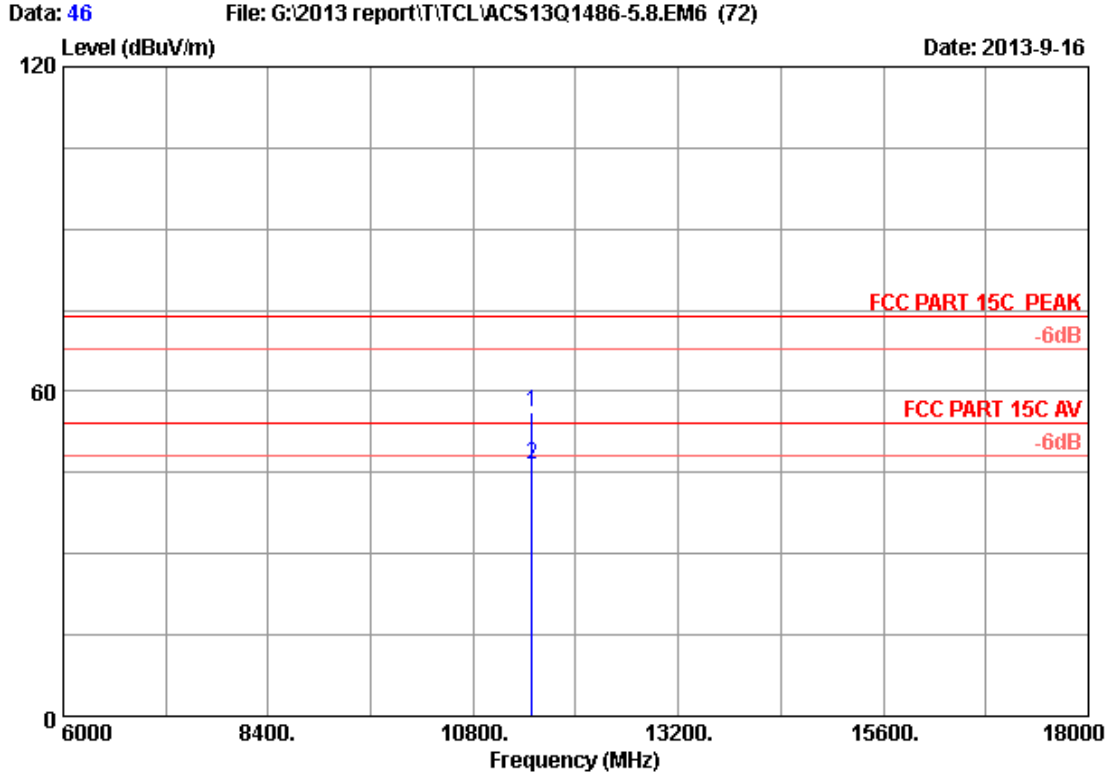
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)	
1 11490.000	38.69	13.28	35.28	39.35	56.04	74.00	17.96	Peak
2 11490.000	38.69	13.28	35.28	30.79	47.48	54.00	6.52	Average

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. : 45
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
WAE22-DF01-AR

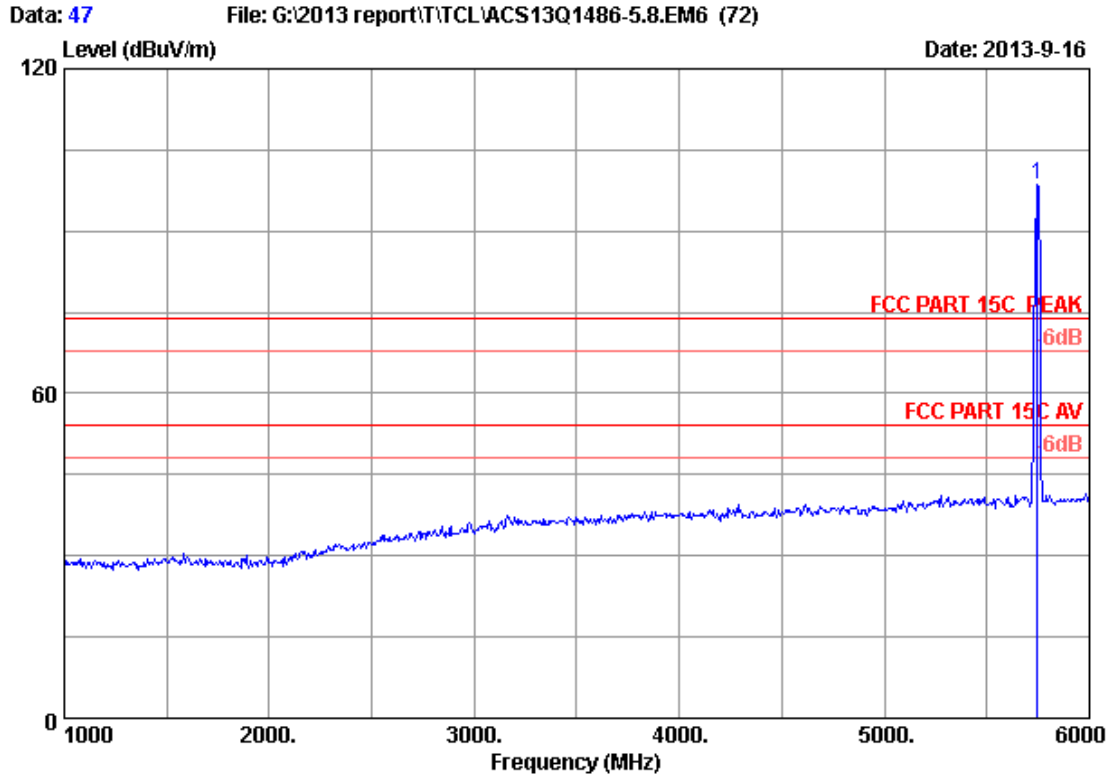


Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1 11490.000	38.69	13.28	35.28	39.35	56.04	74.00	17.96	Peak
2 11490.000	38.69	13.28	35.28	29.79	46.48	54.00	7.52	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.

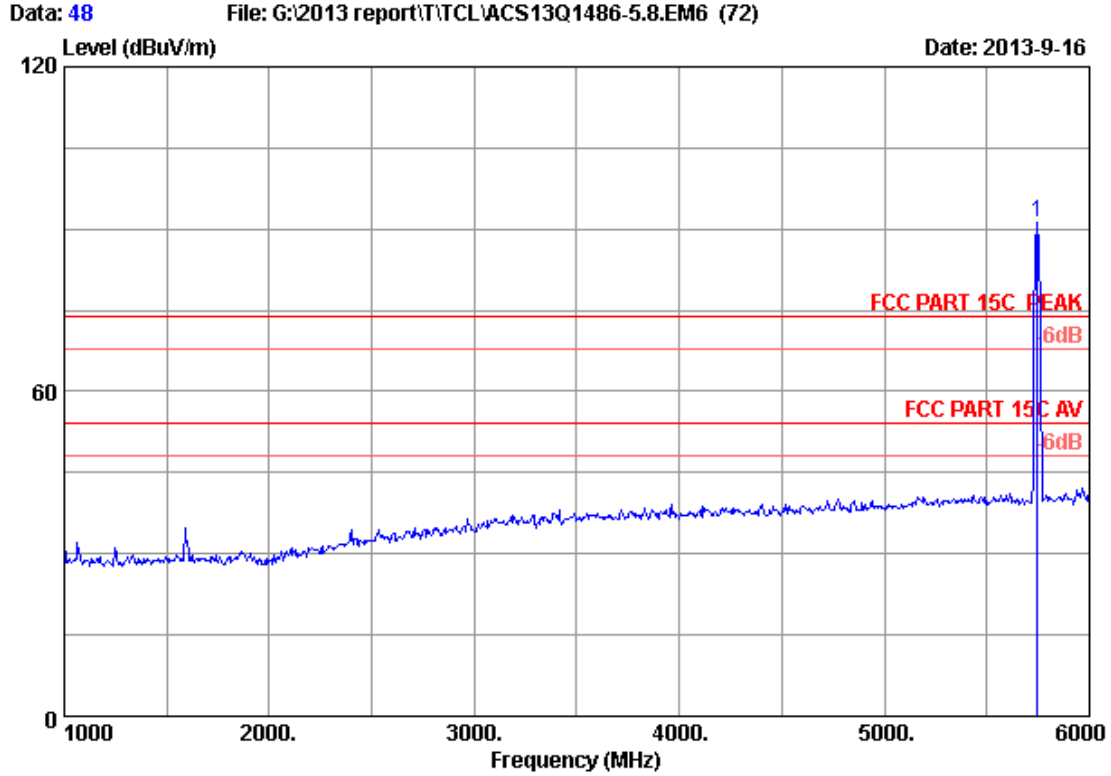


Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	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 5745.000	34.10	9.55	35.70	90.56	98.51	74.00	-24.51	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.

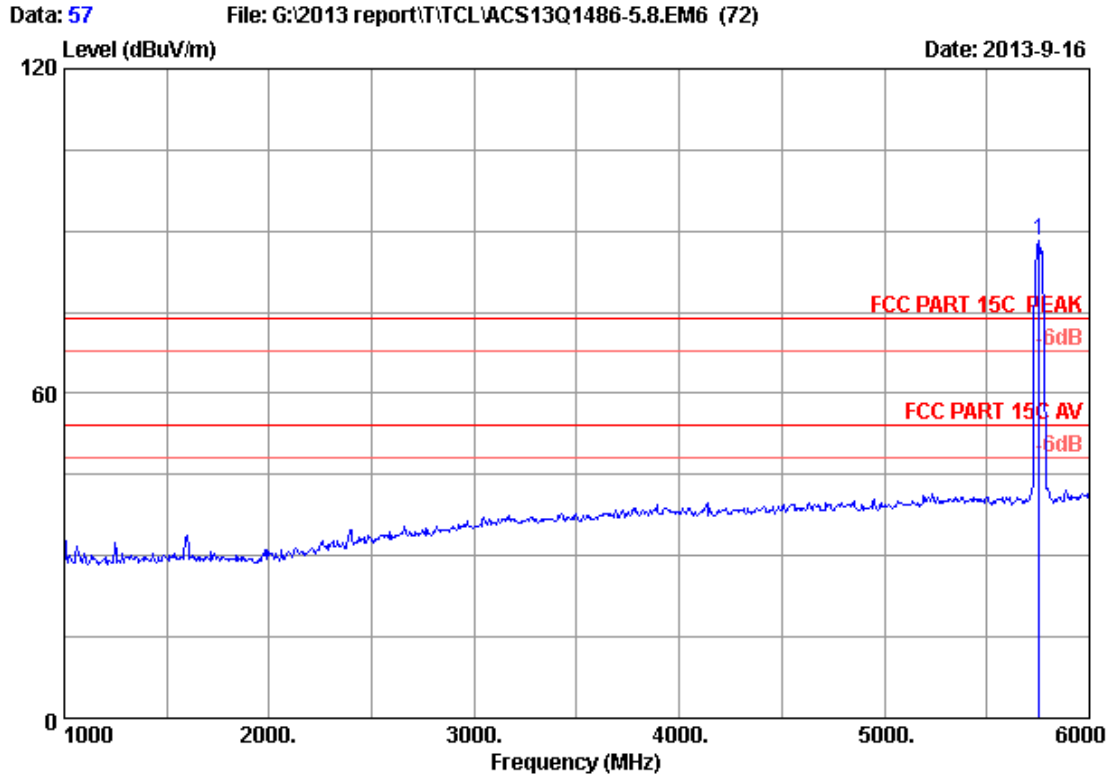


Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx
 WAE22-DF01-AR

	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 5745.000	34.10	9.55	35.70	83.24	91.19	74.00	-17.19	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.

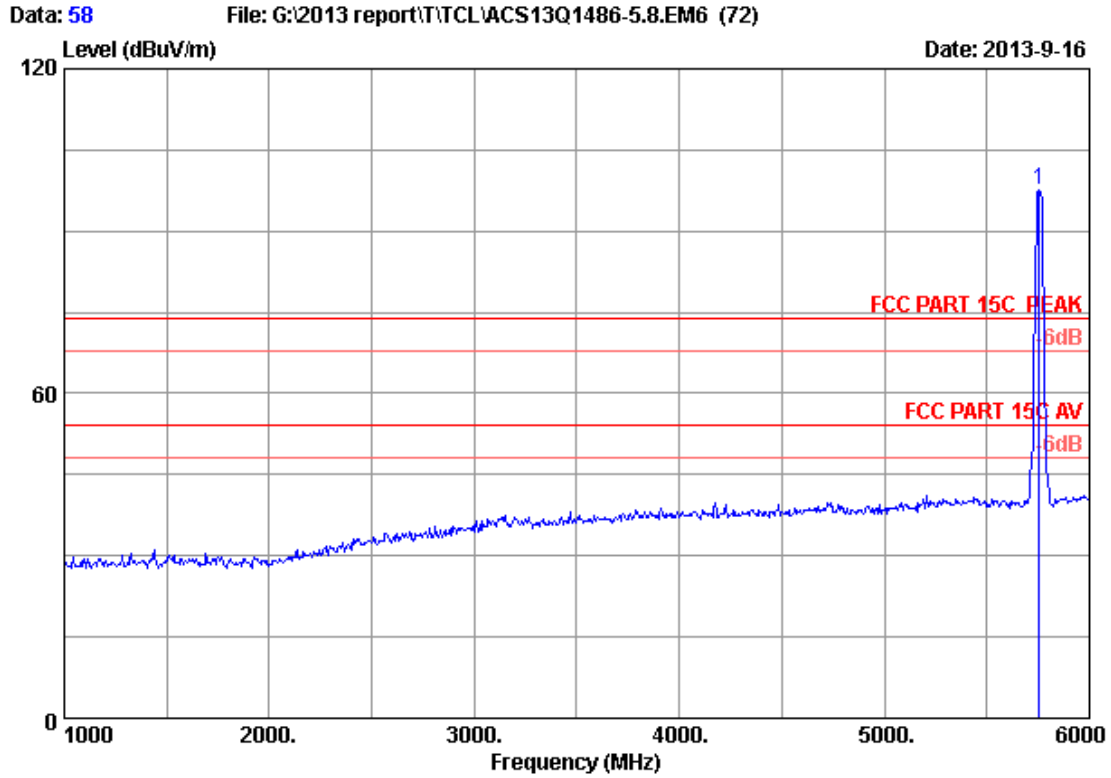


Site no. : 3m Chamber Data no. : 57
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

	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 5755.000	34.10	9.56	35.70	80.29	88.25	74.00	-14.25	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.

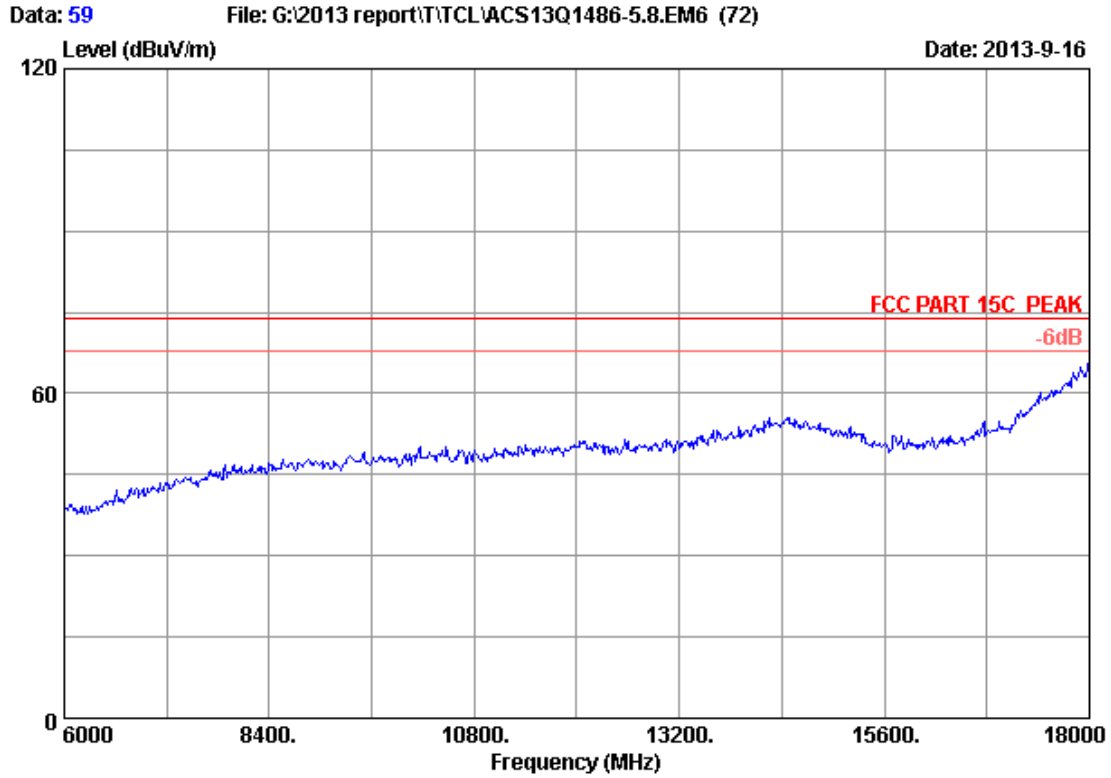


Site no. : 3m Chamber Data no. : 58
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

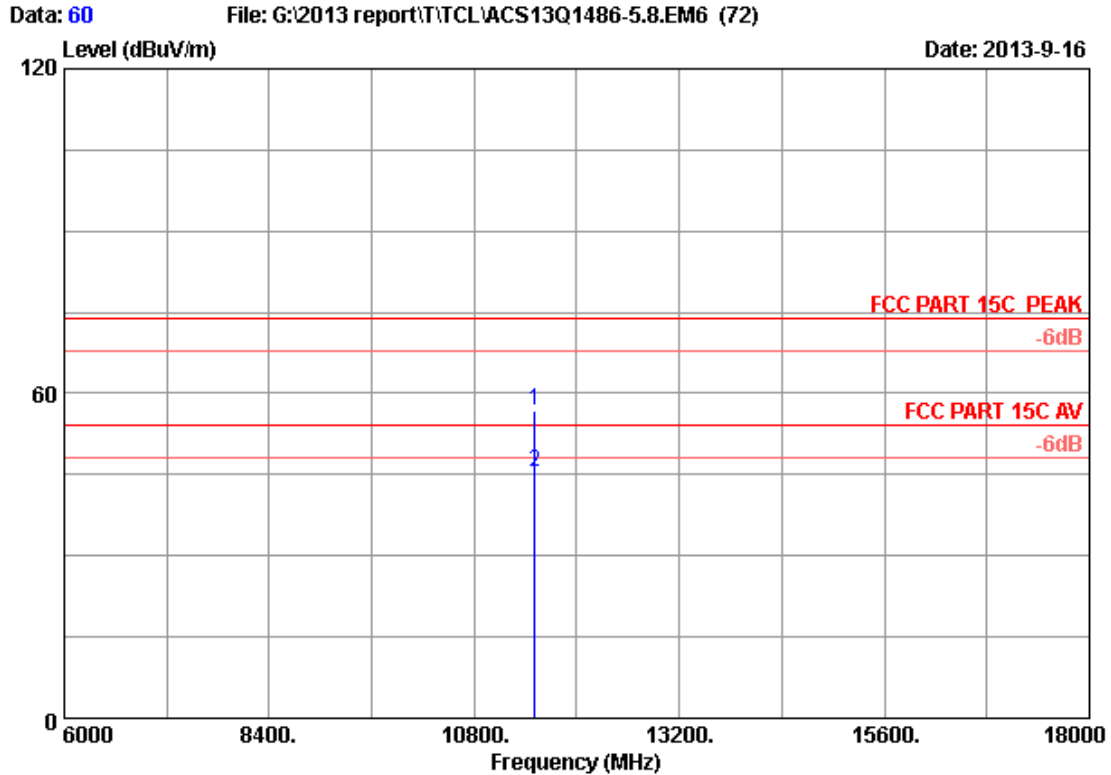
	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)	
1 5755.000	34.10	9.56	35.70	89.59	97.55	74.00	-23.55	Peak

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. : 59
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
WAE22-DF01-AR

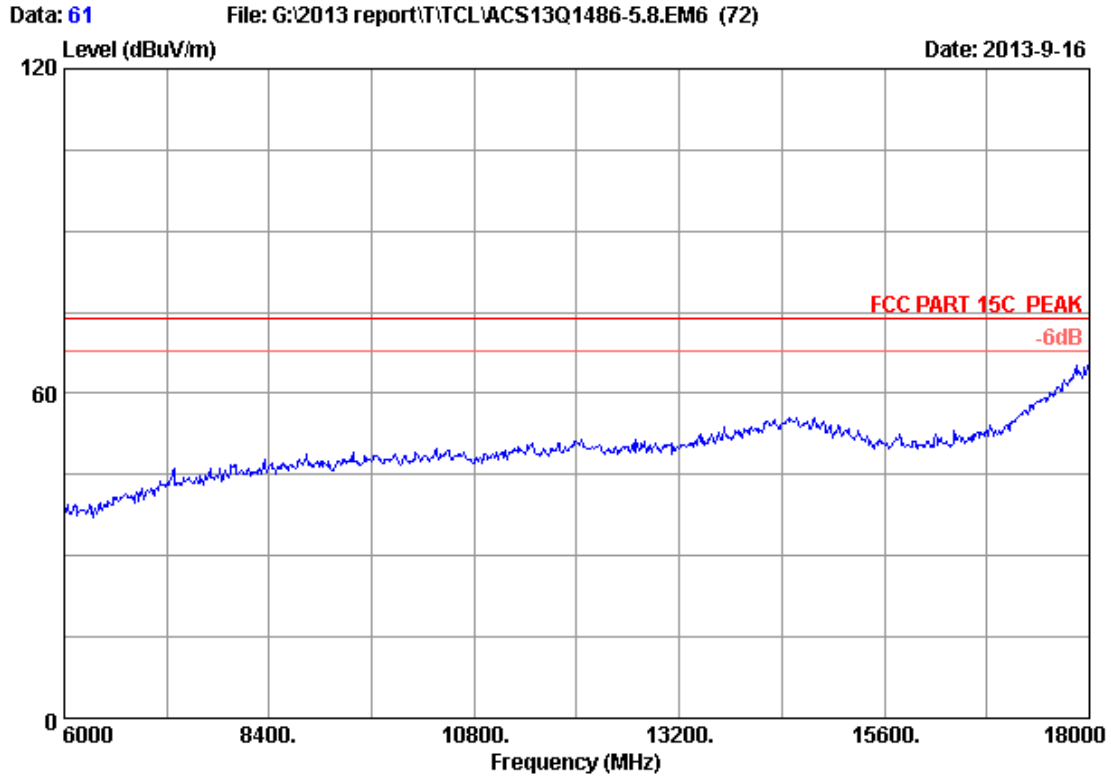


Site no. : 3m Chamber Data no. : 60
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

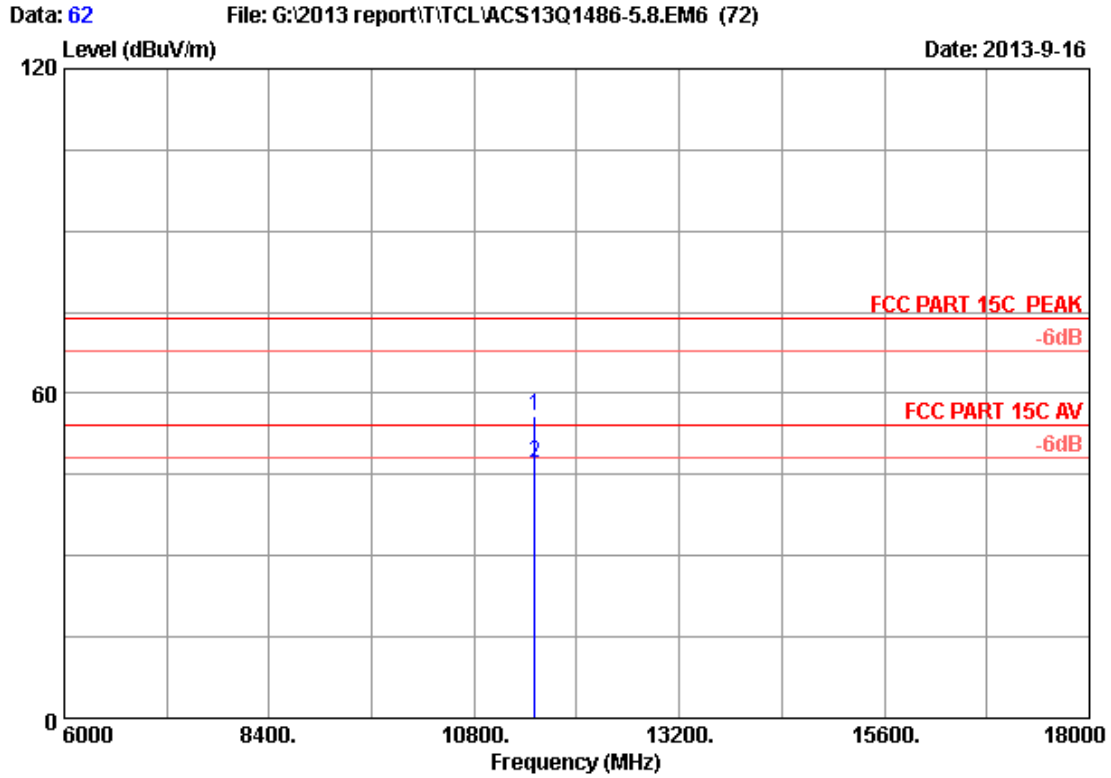
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	38.71	13.29	35.27	40.10	56.83	74.00	17.17	Peak
2	38.71	13.29	35.27	28.74	45.47	54.00	8.53	Average

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. : 61
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
WAE22-DF01-AR

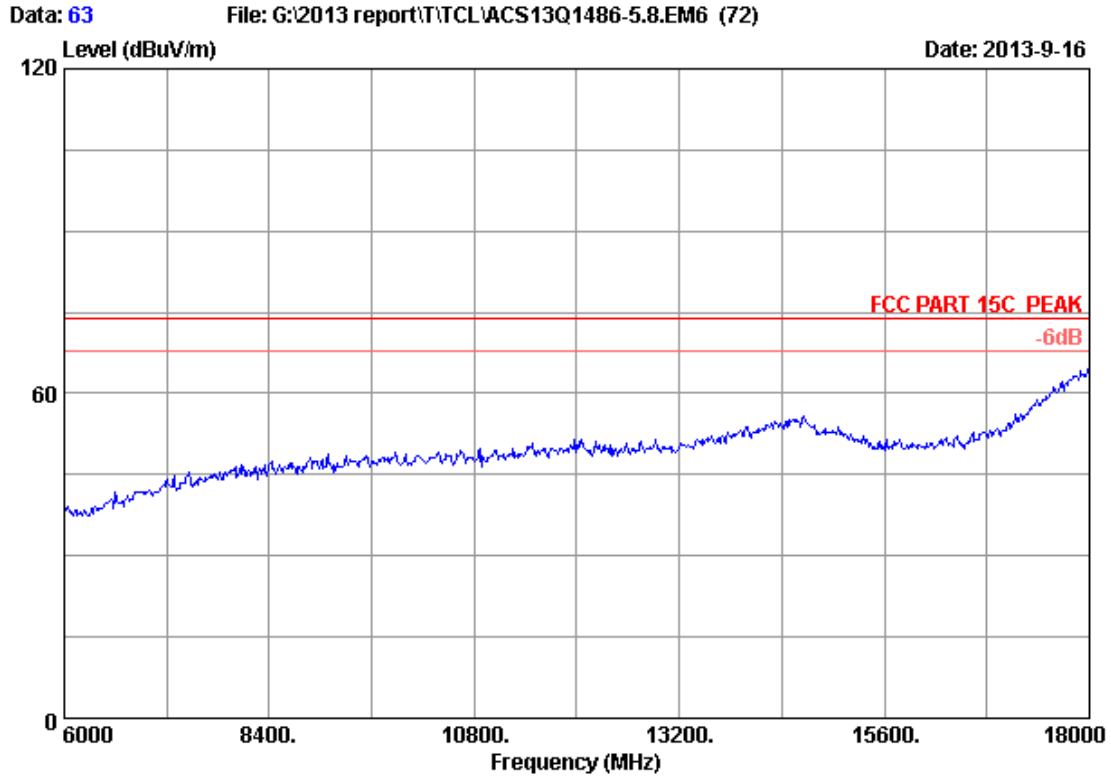


Site no. : 3m Chamber Data no. : 62
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx
 WAE22-DF01-AR

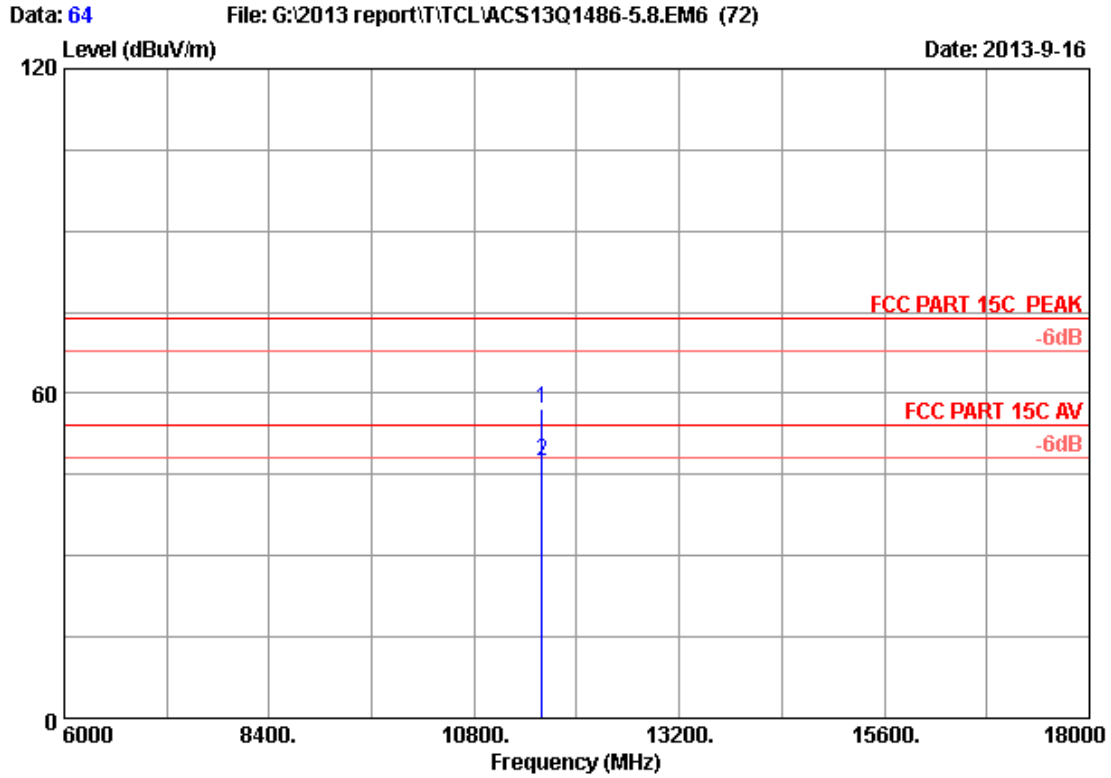
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 11510.000	38.71	13.29	35.27	39.06	55.79	74.00	18.21	Peak
2 11510.000	38.71	13.29	35.27	30.48	47.21	54.00	6.79	Average

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.	: 63
Dis. / Ant.	: 3m 2013 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23°C/54%	Engineer	: leo-Li
EUT	: WIFI Module		
Power supply	: DC 5V		
Test mode	: IEEE802.11nHT40 CH159 5795MHz Tx		
	WAE22-DF01-AR		

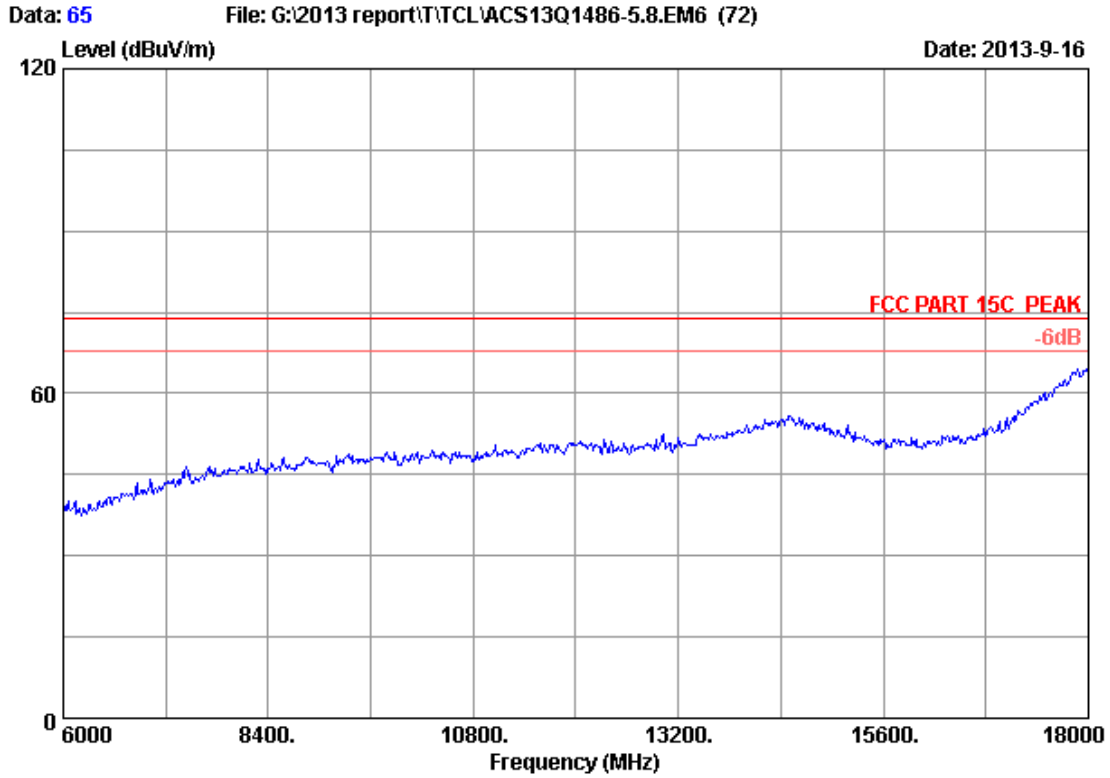


Site no. : 3m Chamber Data no. : 64
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

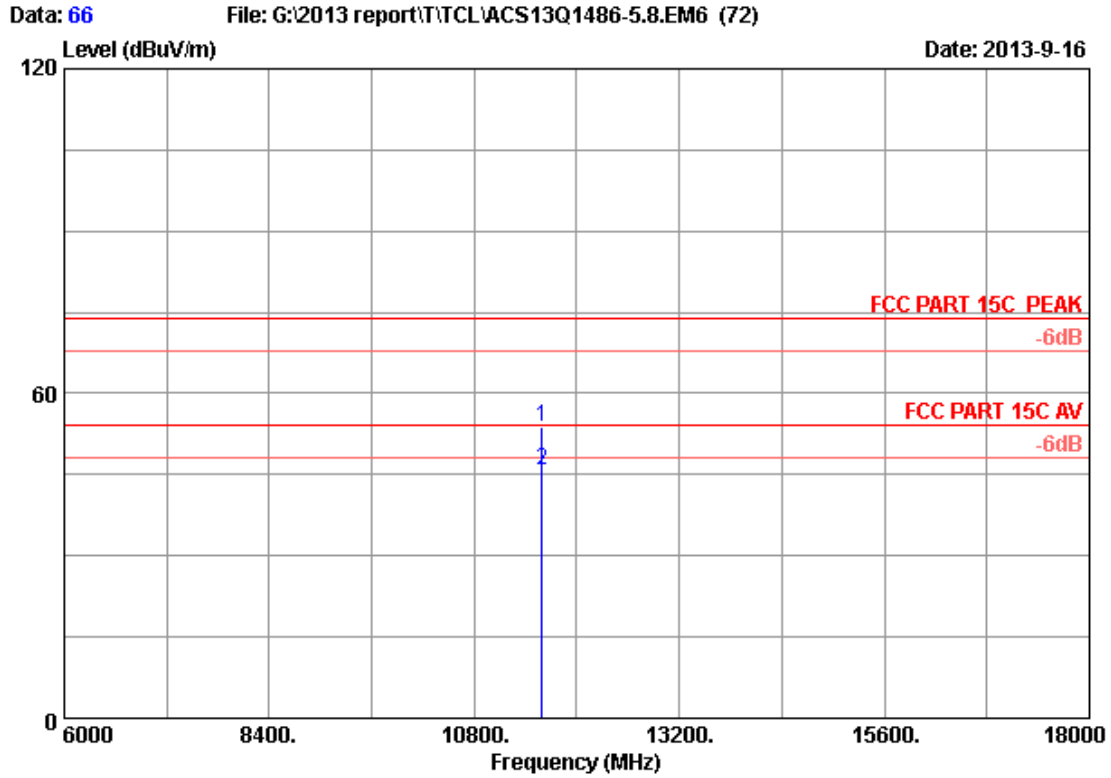
	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1 11590.000	38.83	13.34	35.26	40.29	57.20	74.00	16.80	Peak
2 11590.000	38.83	13.34	35.26	30.48	47.39	54.00	6.61	Average

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. : 65
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : leo-Li
EUT : WIFI Module
Power supply : DC 5V
Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
WAE22-DF01-AR

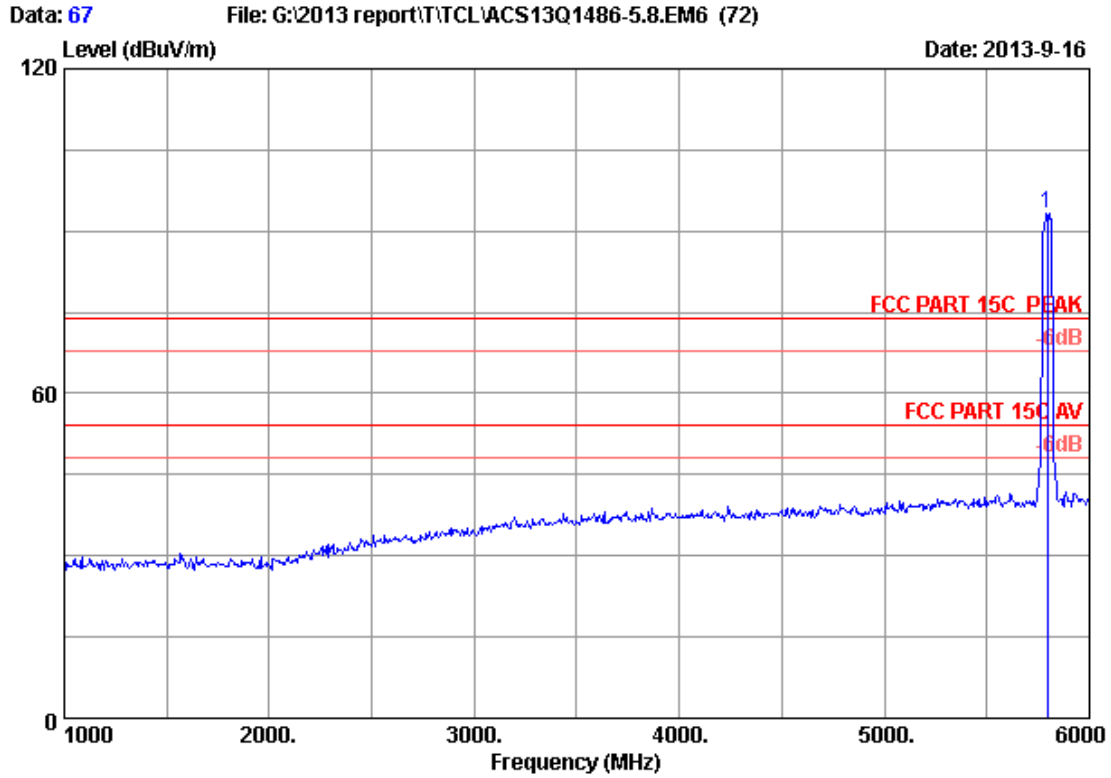


Site no. : 3m Chamber Data no. : 66
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	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 11590.000	38.83	13.34	35.26	36.95	53.86	74.00	20.14	Peak	
2 11590.000	38.83	13.34	35.26	28.95	45.86	54.00	8.14	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.

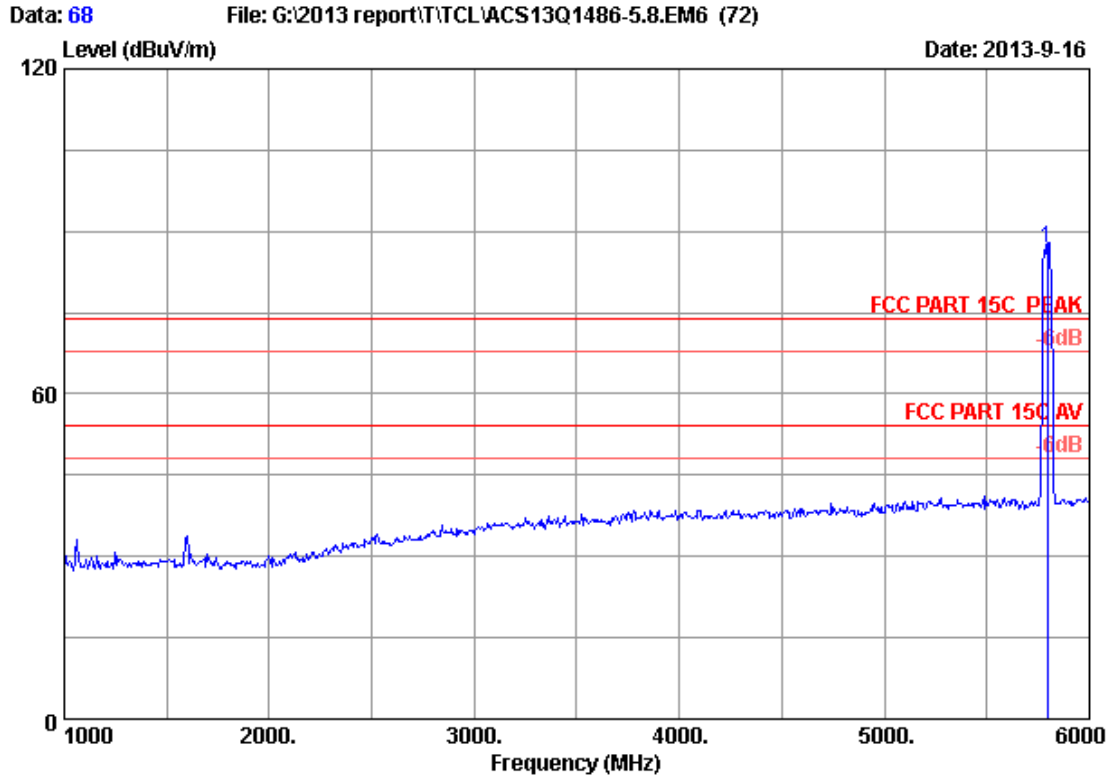


Site no. : 3m Chamber Data no. : 67
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	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 5795.000	34.12	9.60	35.70	85.15	93.17	74.00	-19.17	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. : 68
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : leo-Li
 EUT : WIFI Module
 Power supply : DC 5V
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx
 WAE22-DF01-AR

	Ant. Factor	Cable loss	Amp. Factor	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 5795.000	34.12	9.60	35.70	78.98	87.00	74.00	-13.00	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.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Oct.31, 12	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,13	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,13	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.

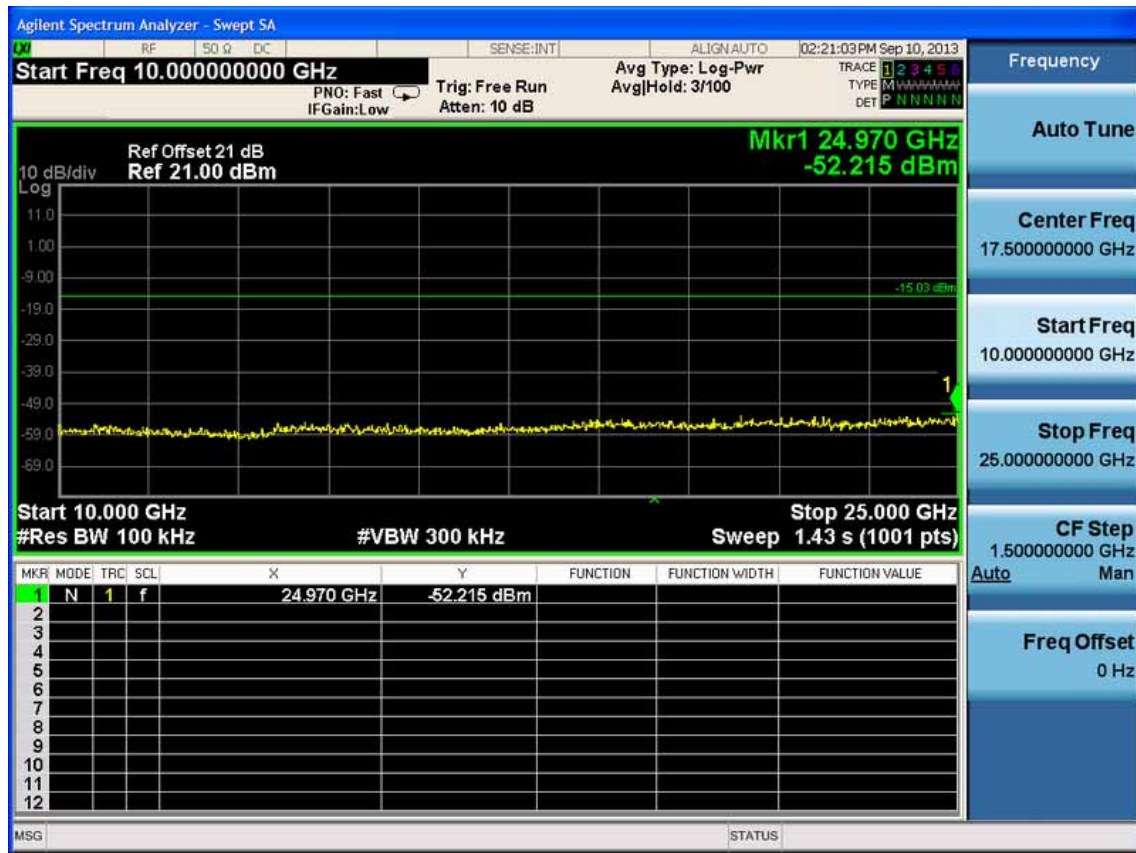
5.3. Test Procedure

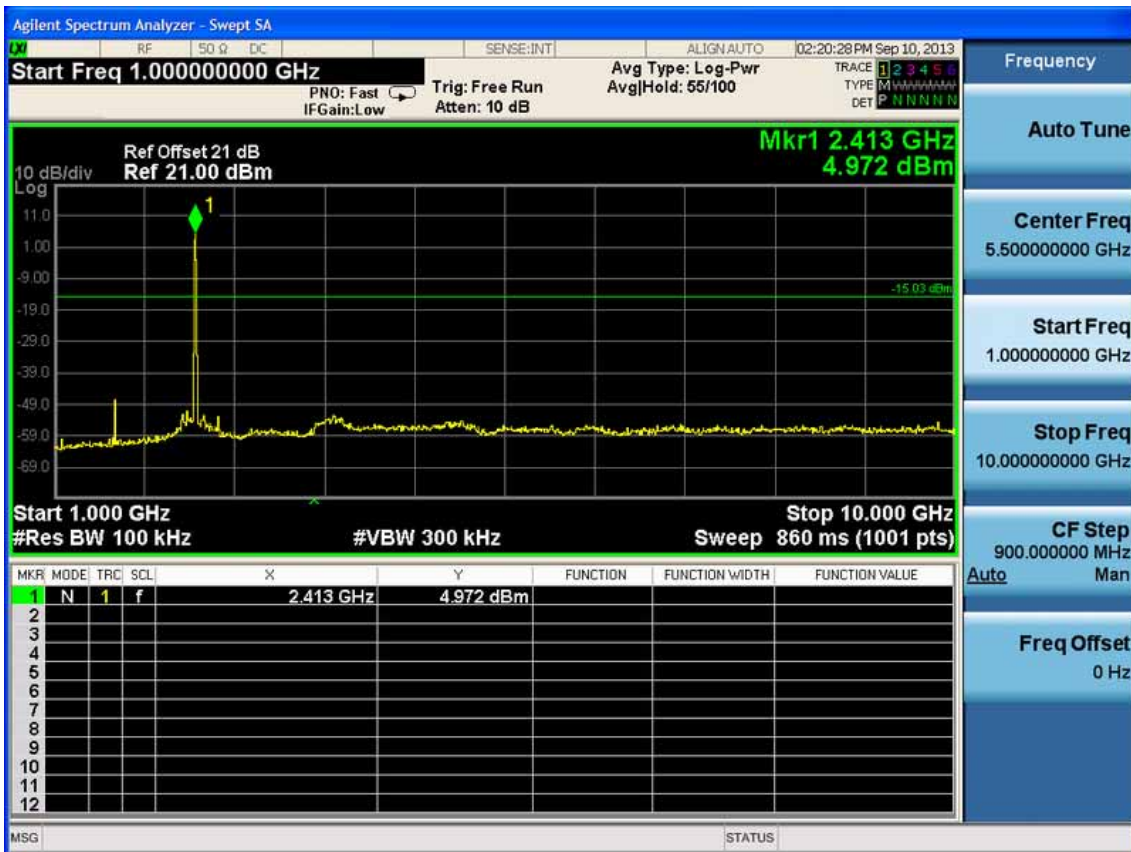
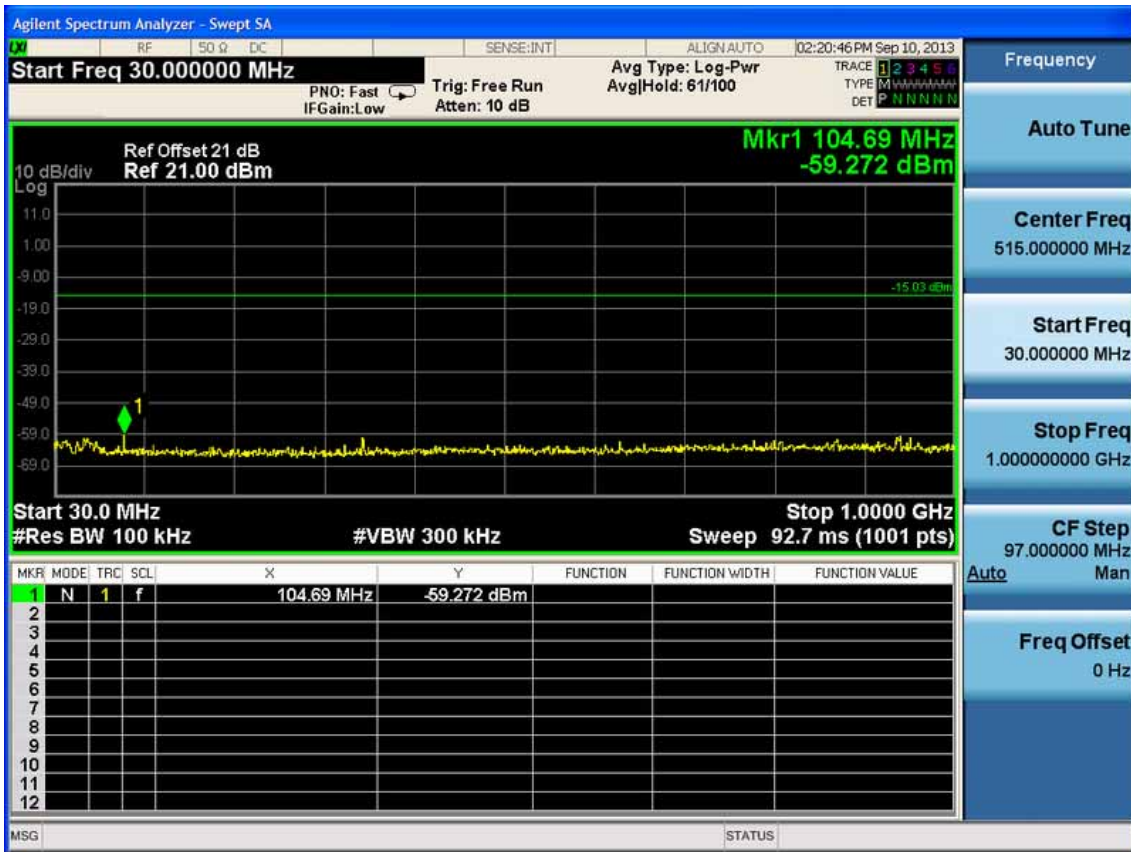
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

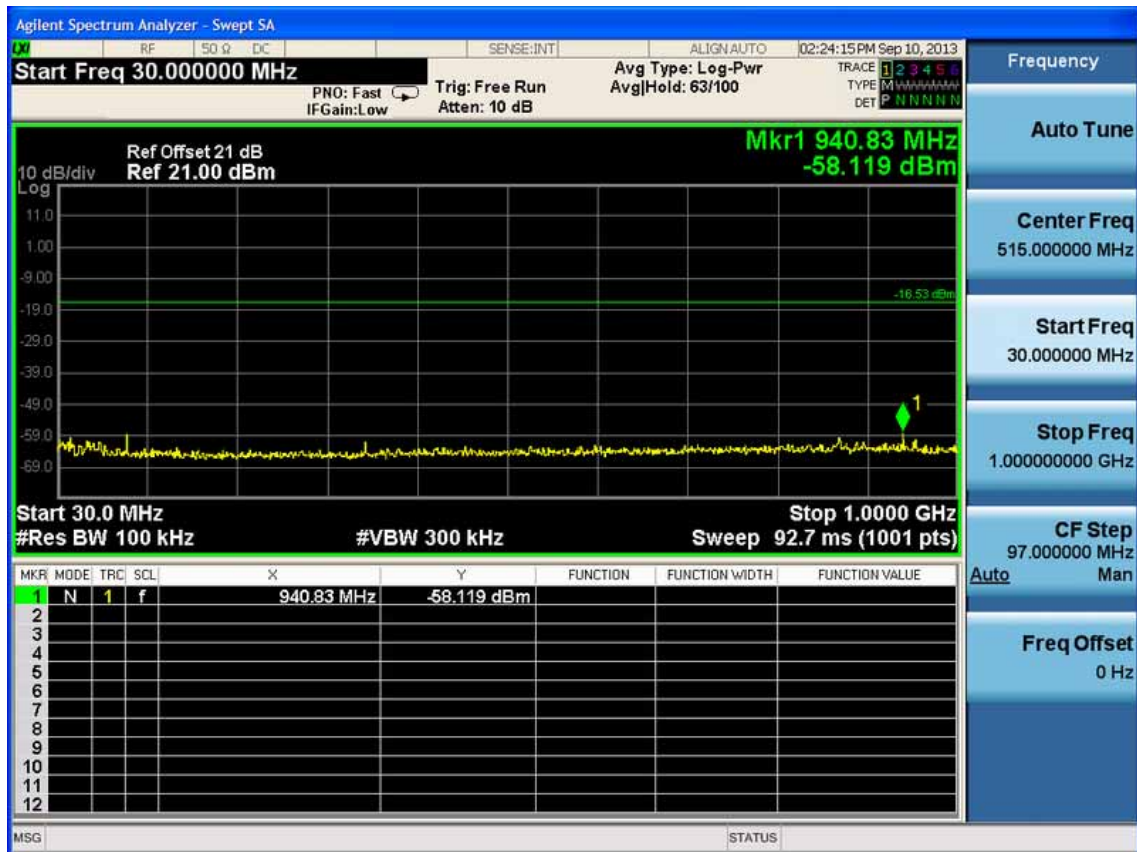
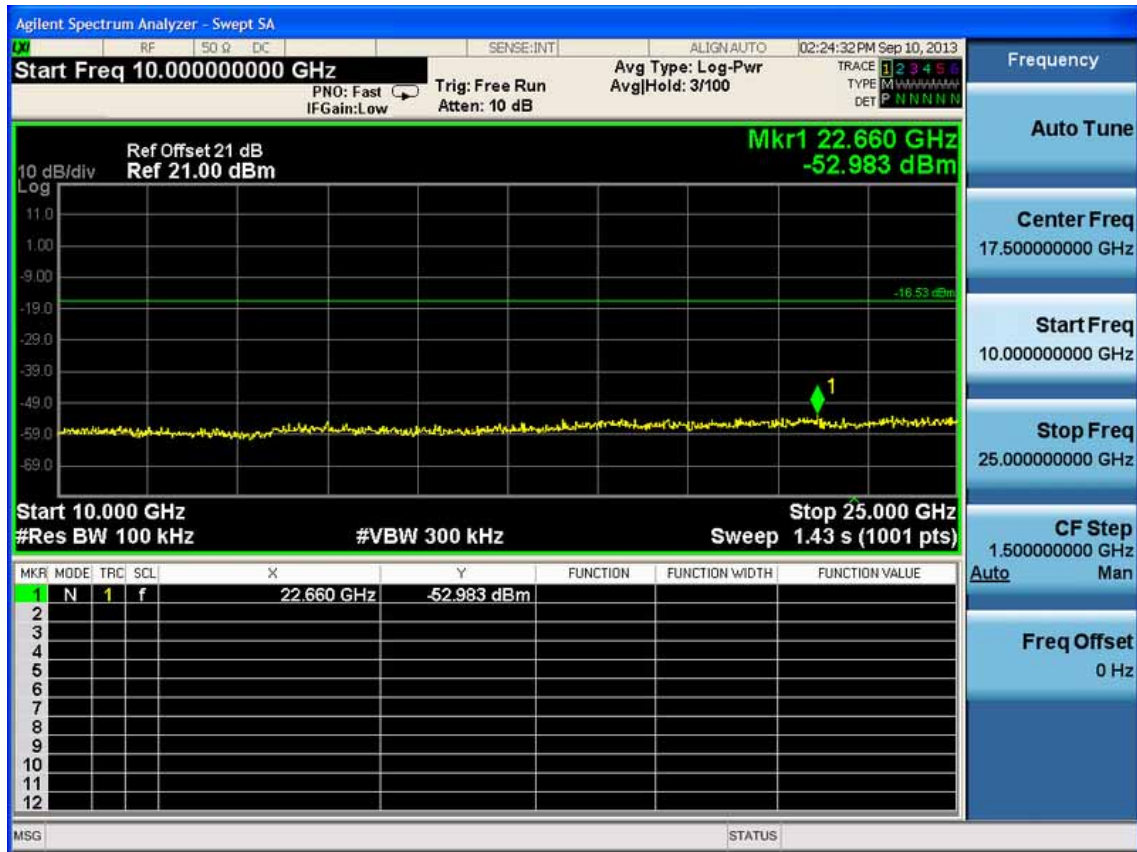
PASS (The testing data was attached in the next pages.)

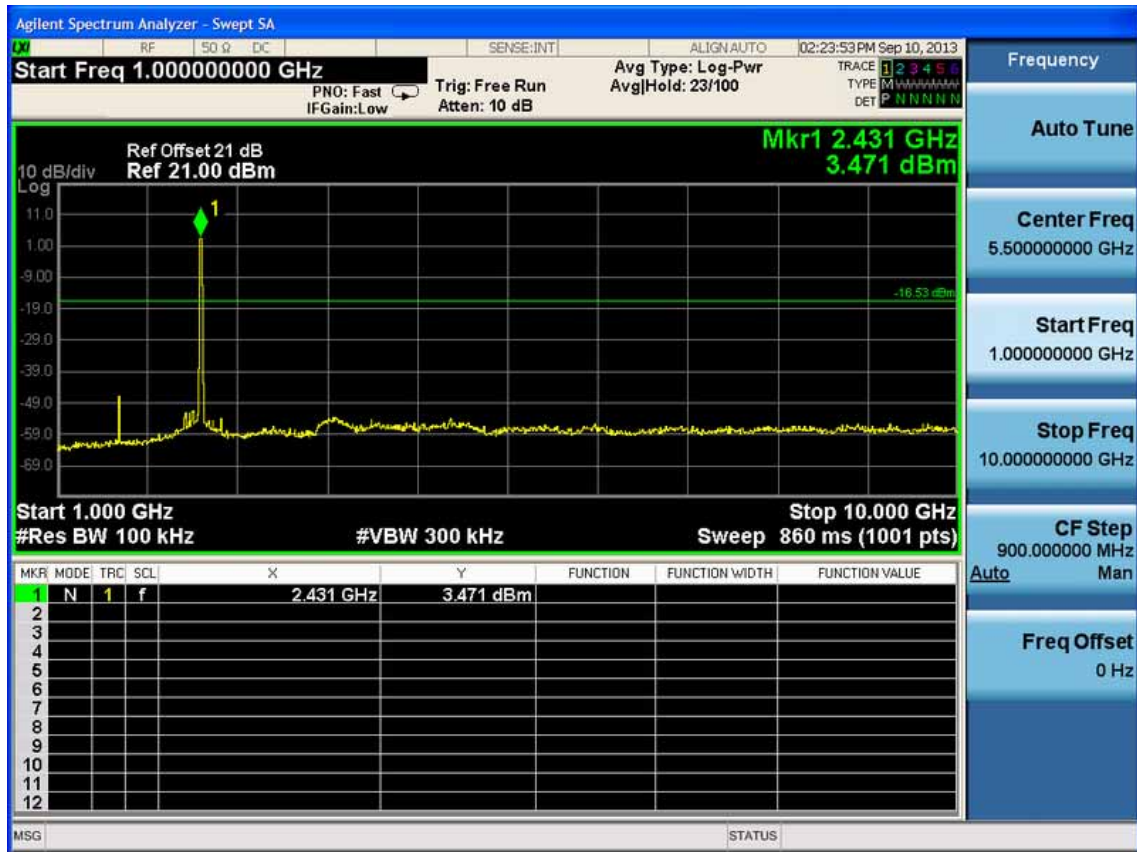
2.4G:
Chain 0:
 Test Mode: IEEE 802.11b TX
 Test CH1: 2412MHz





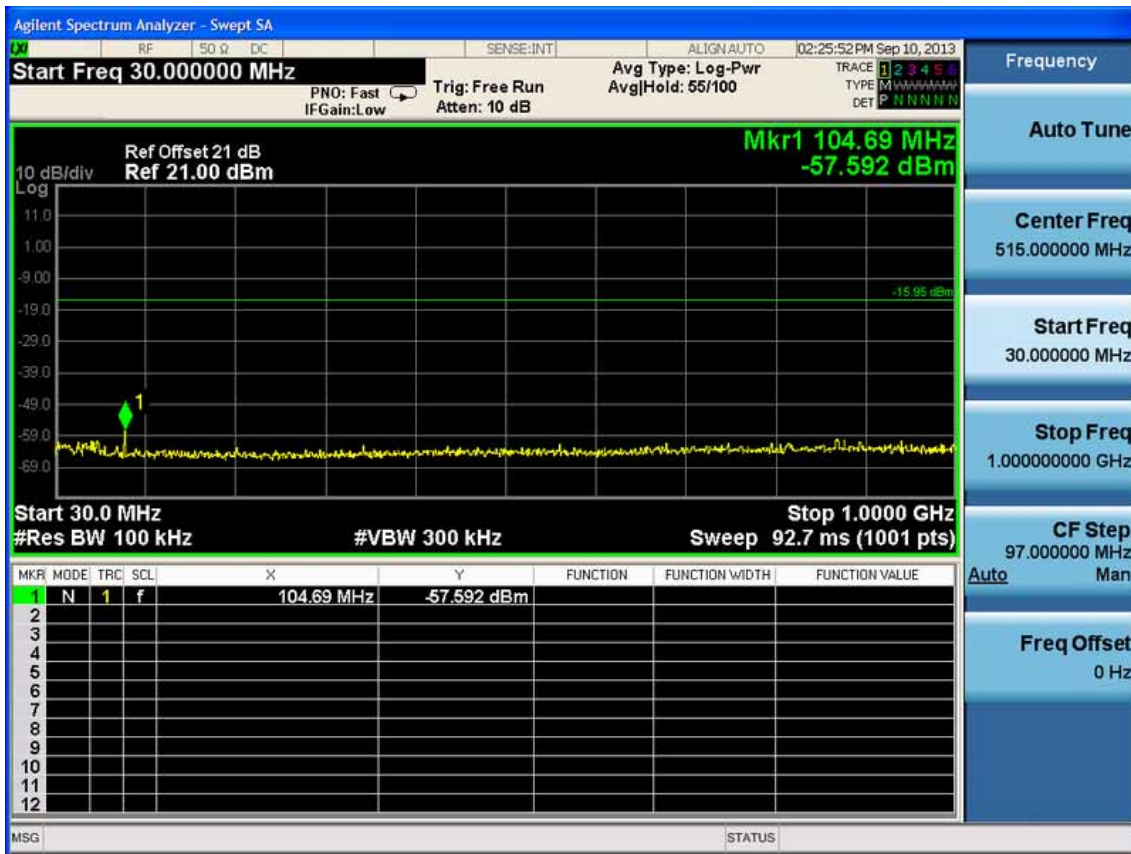
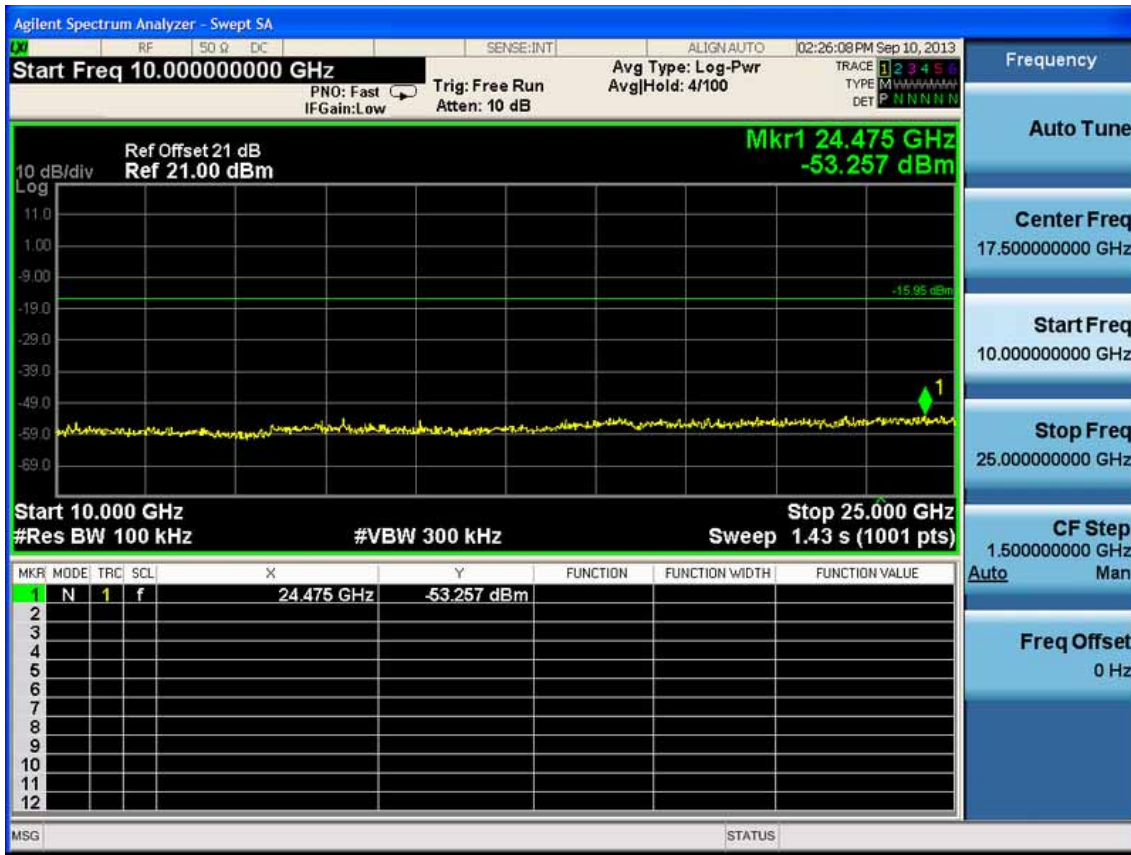
Test CH6: 2437MHz

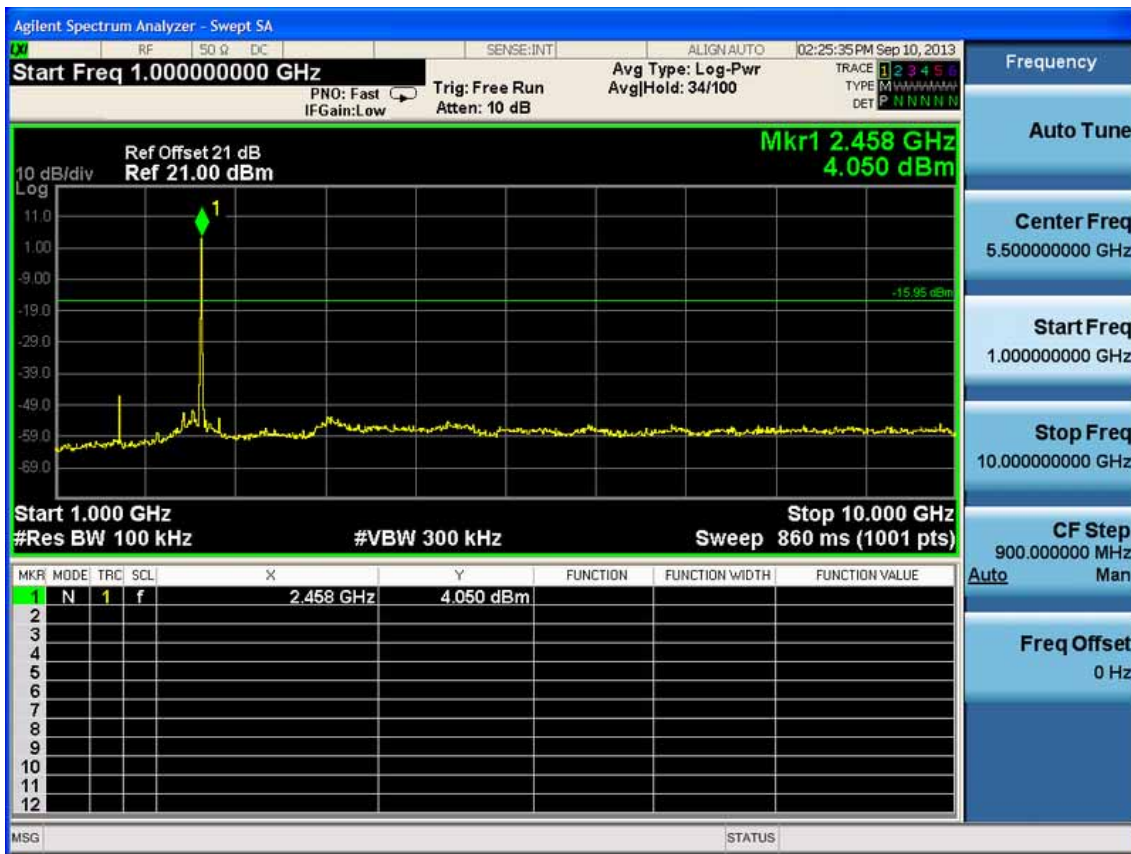




Test CH11: 2462MHz

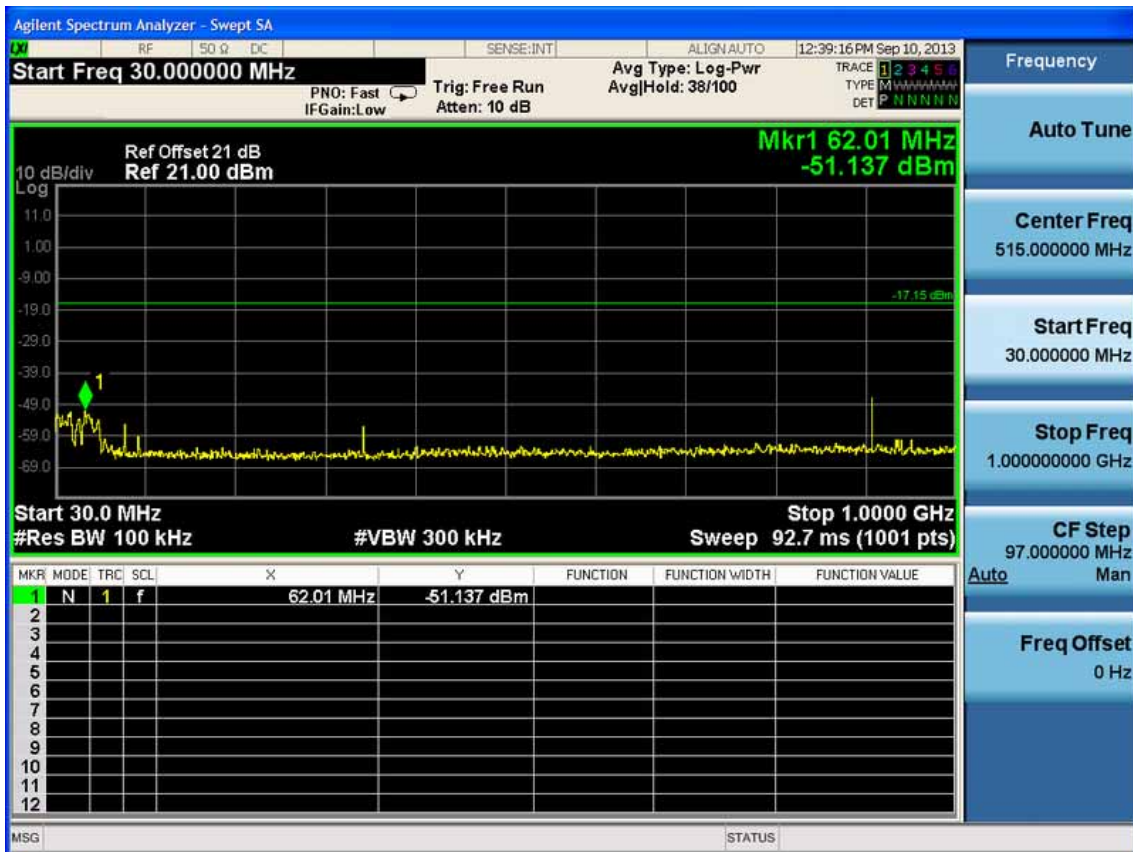
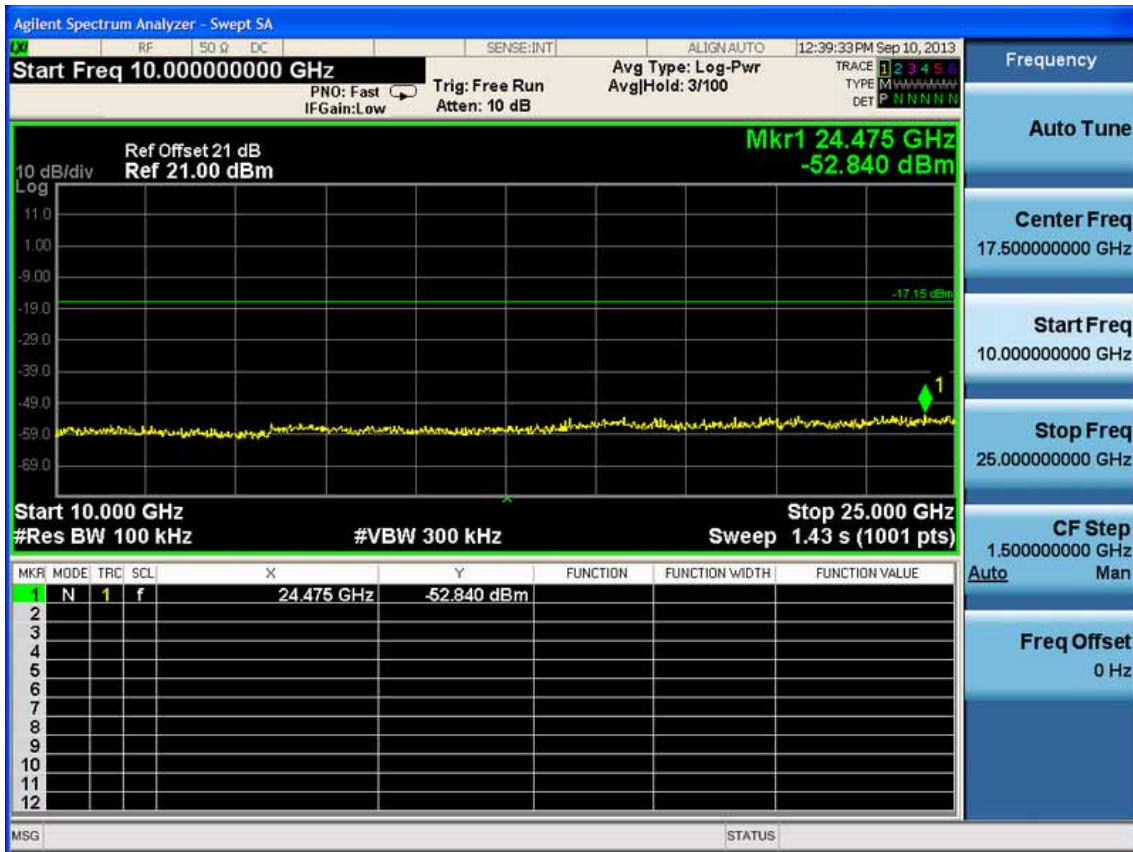


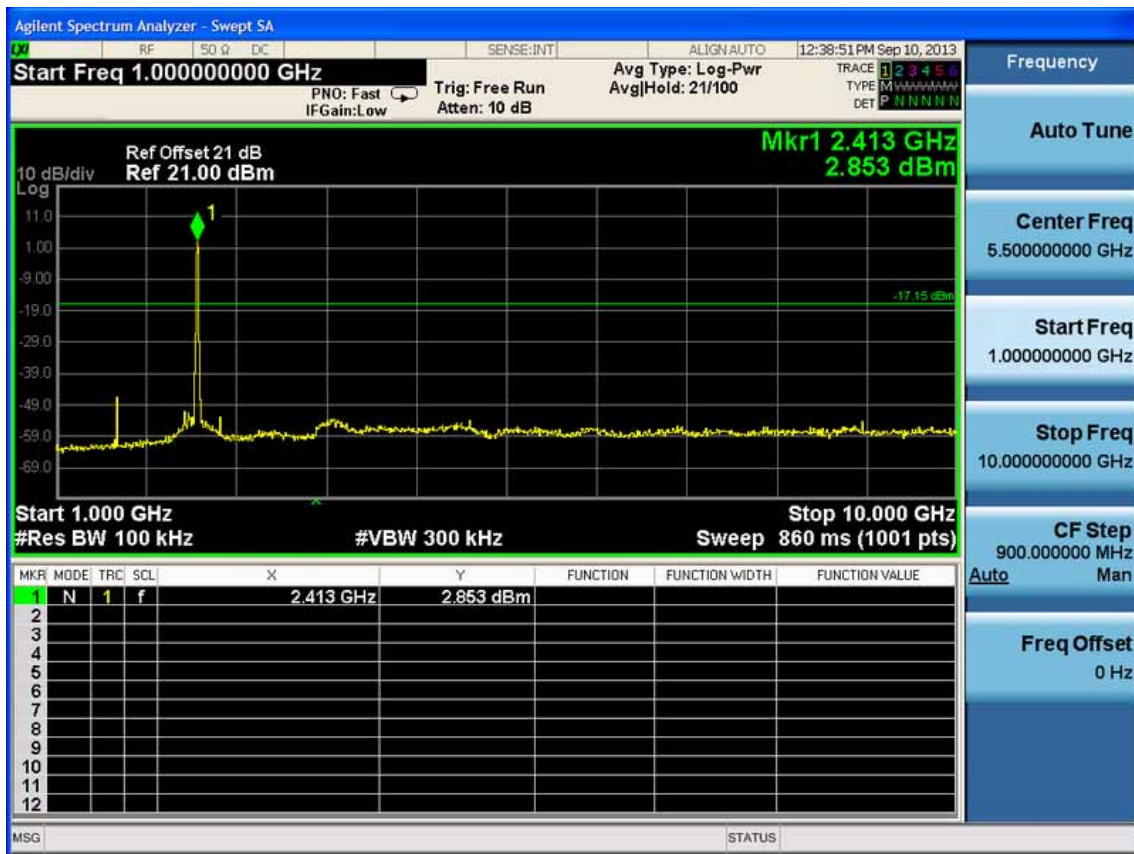




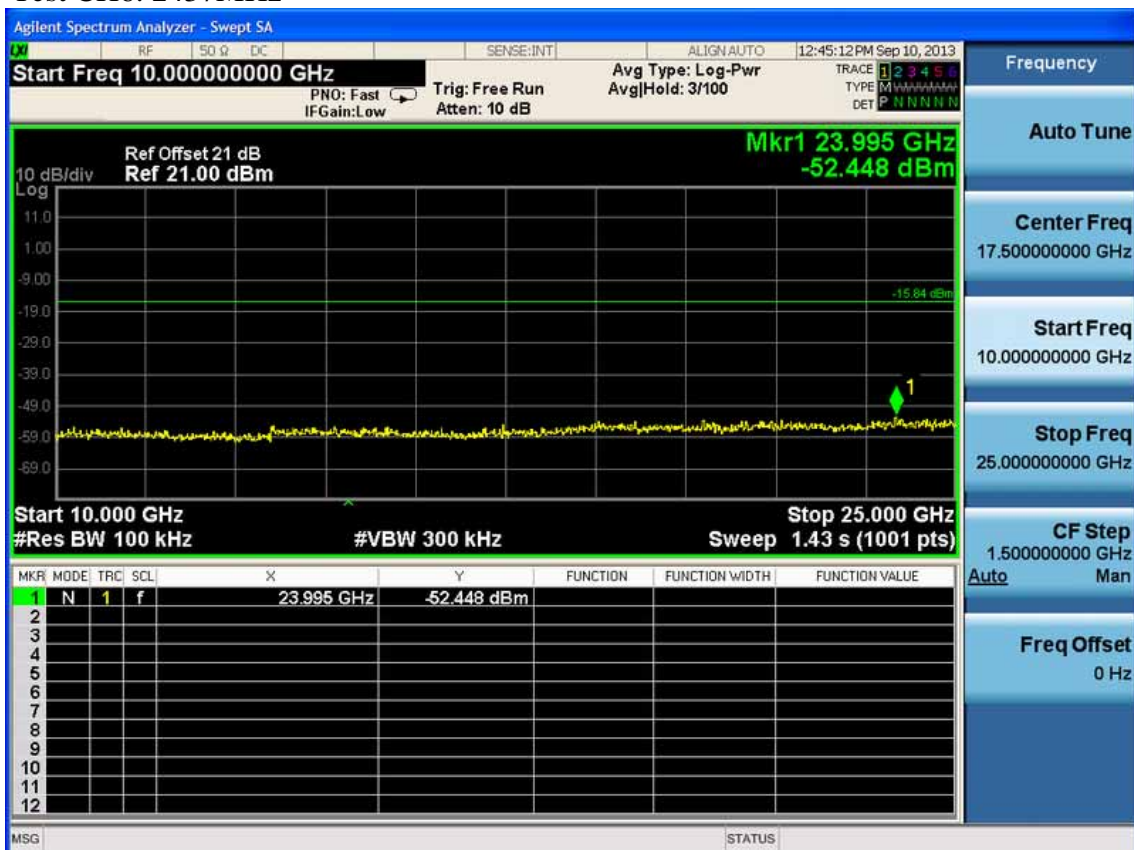
Test Mode: IEEE 802.11g TX
 Test CH1: 2412MHz

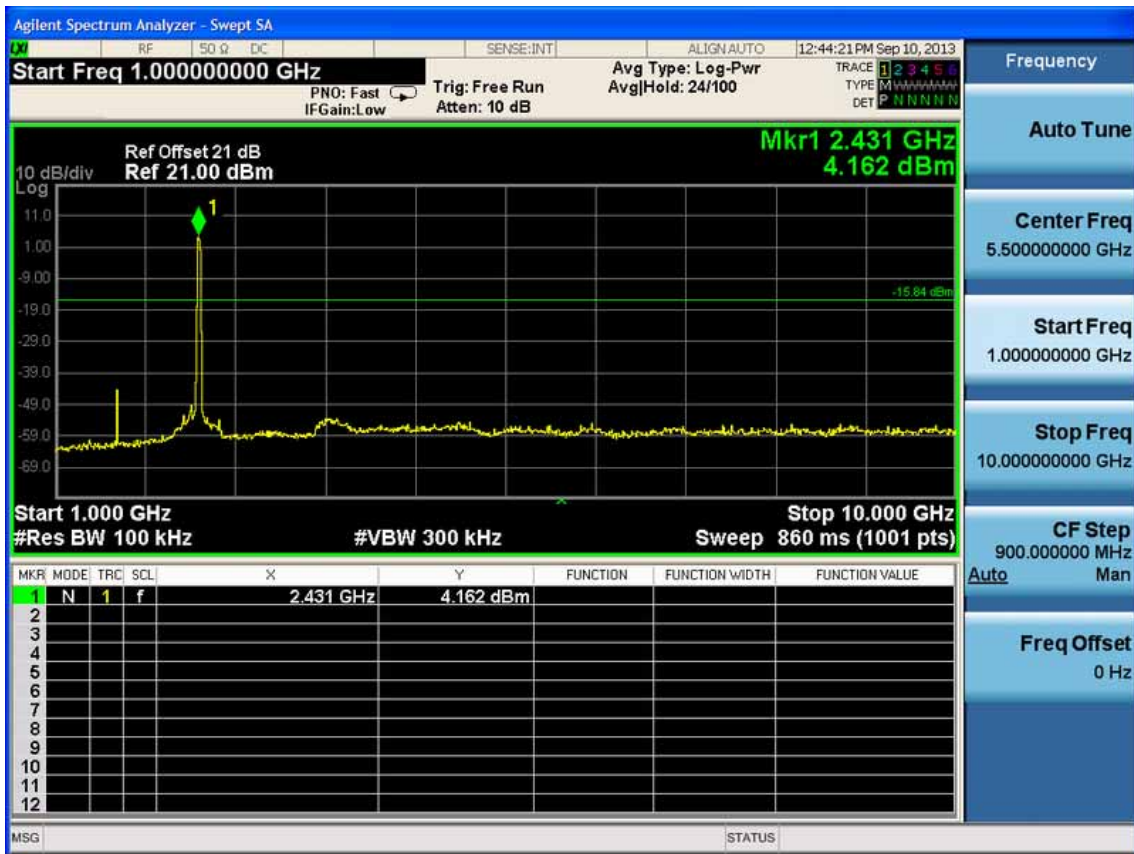
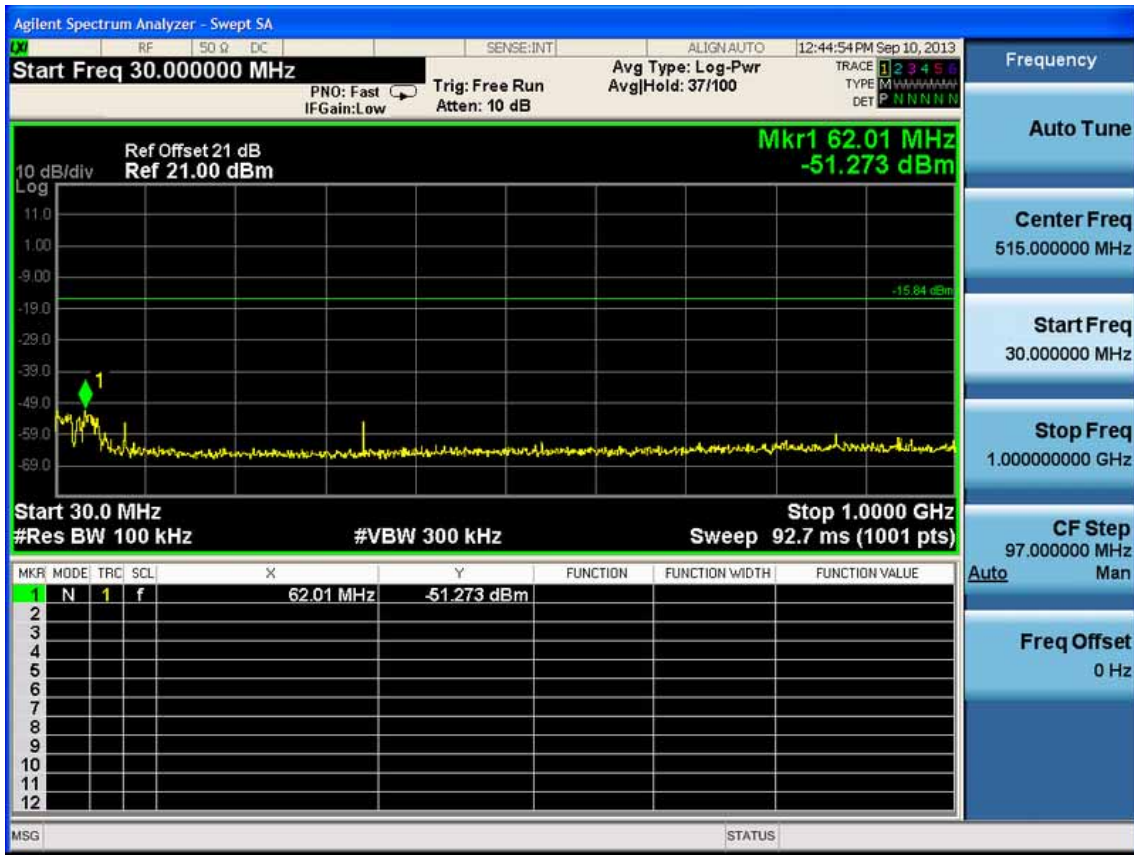




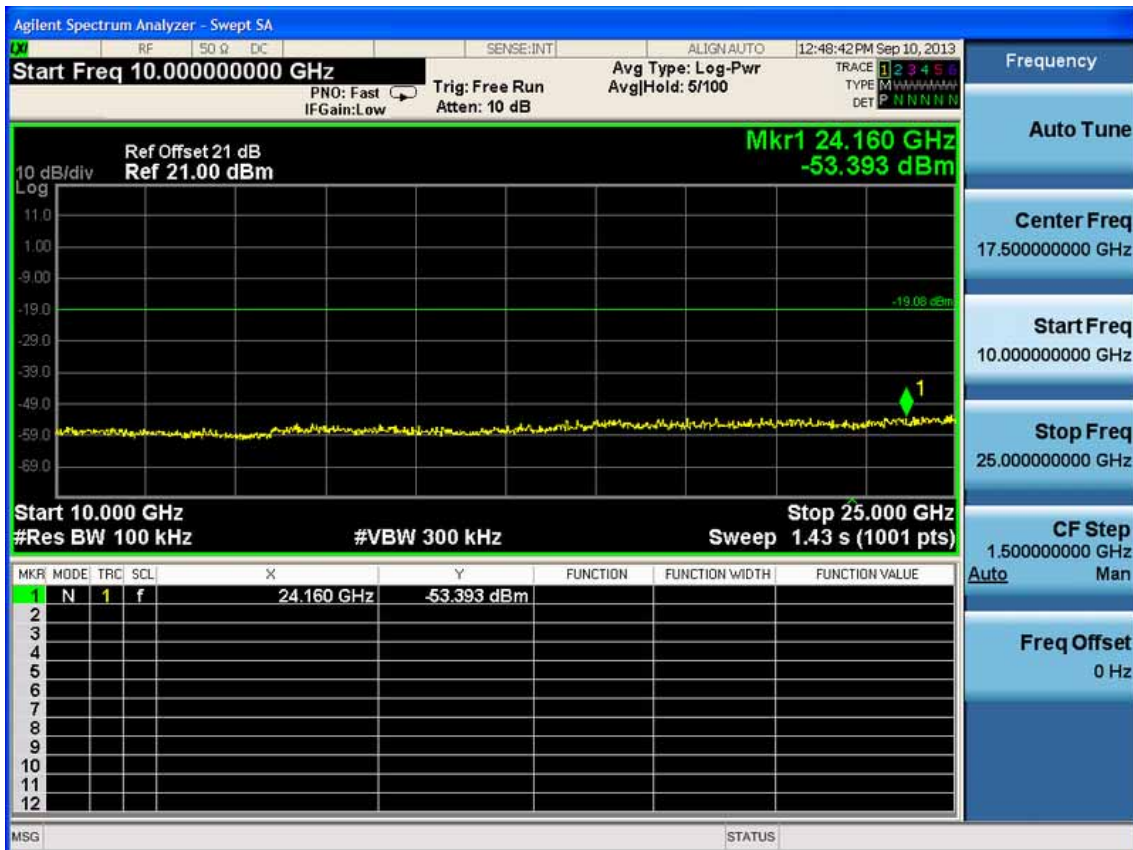


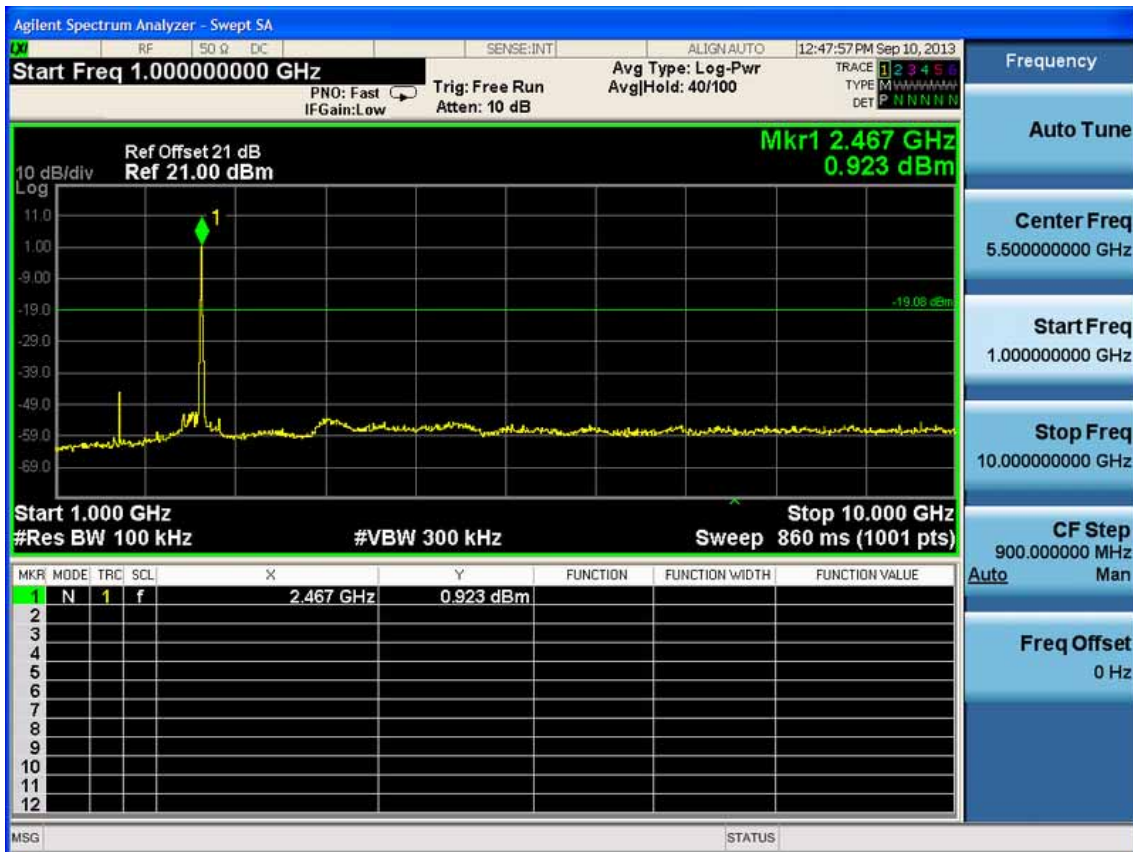
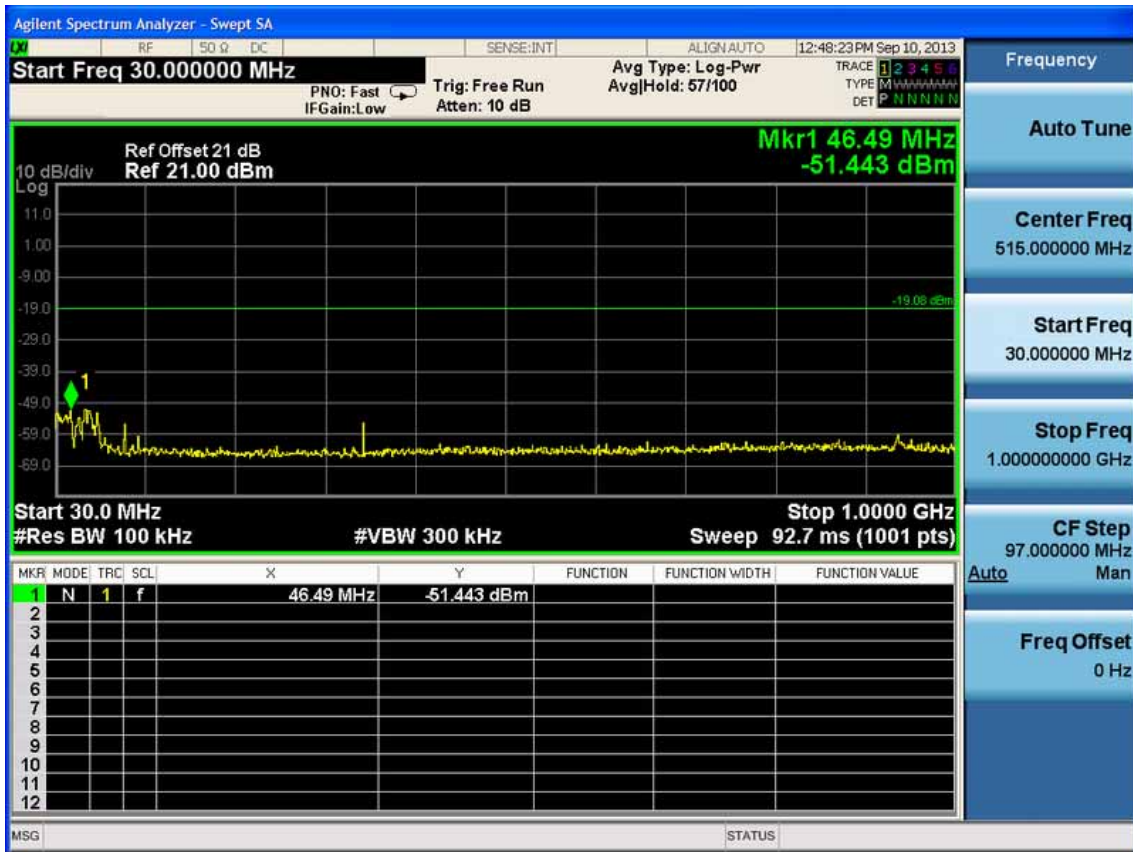
Test CH6: 2437MHz



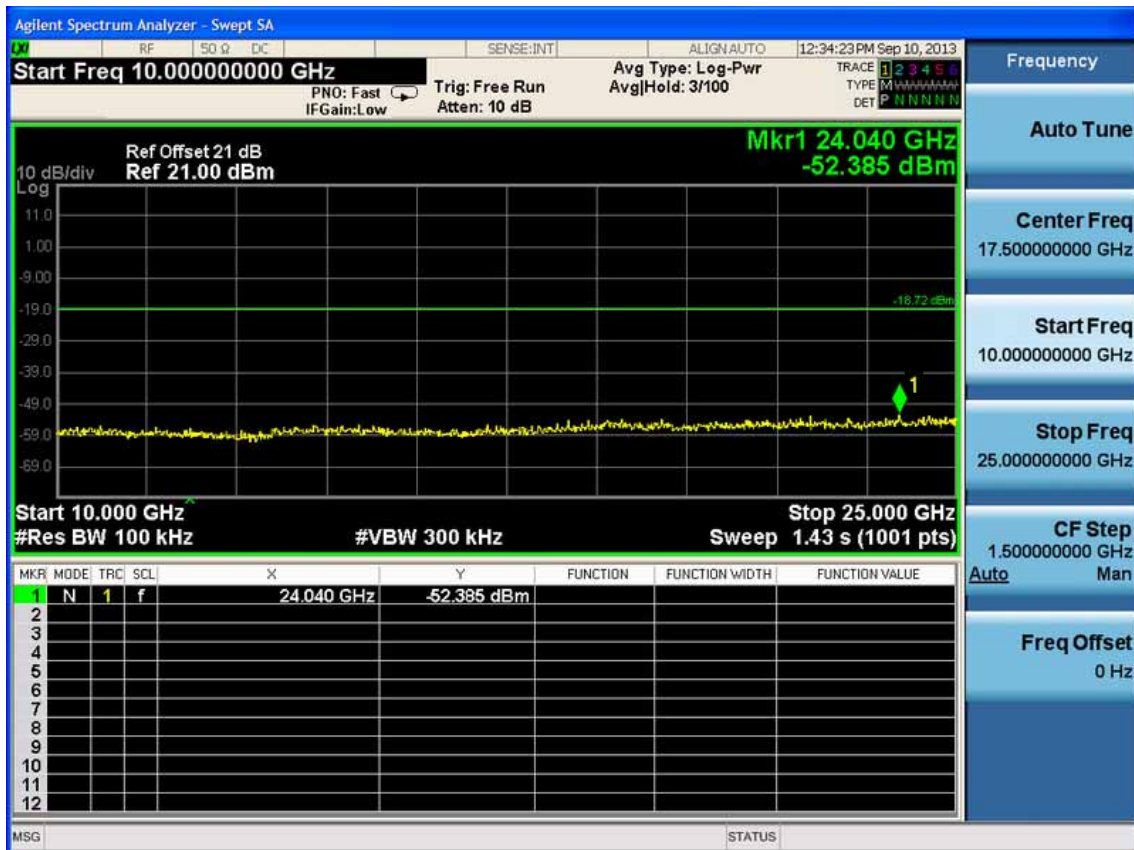


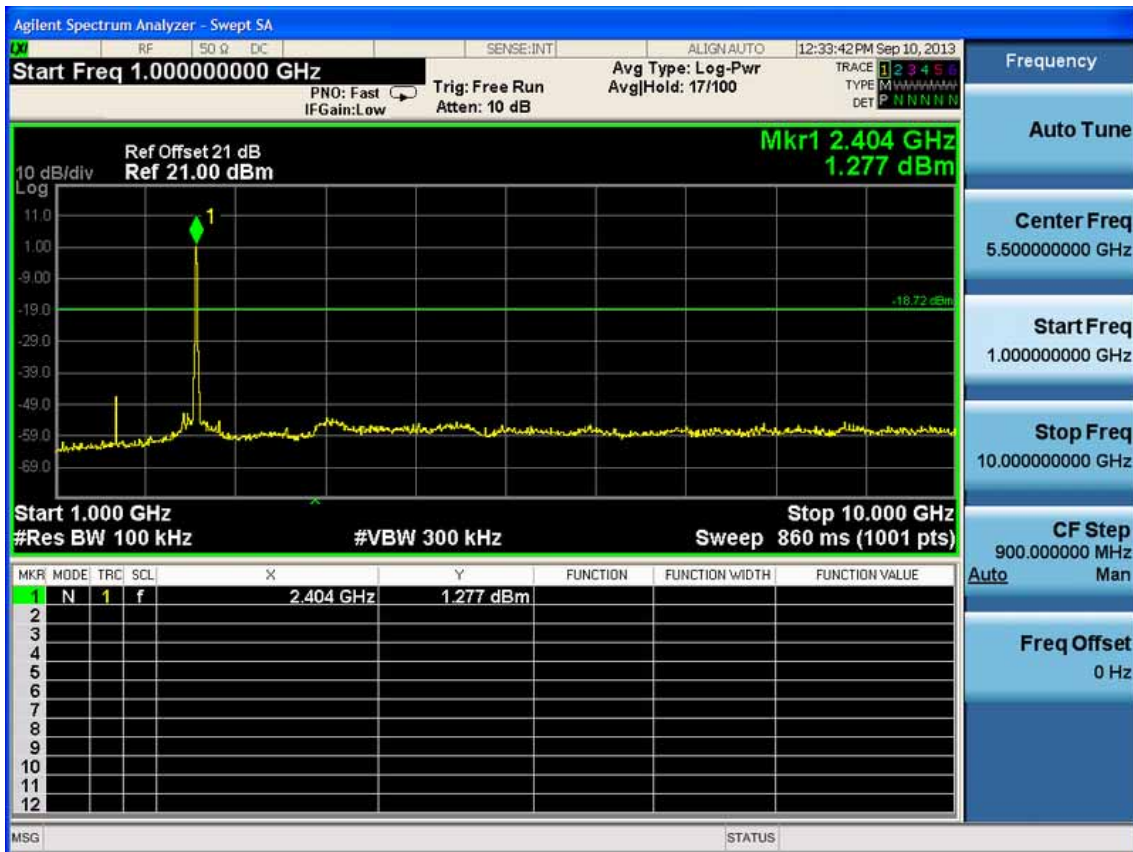
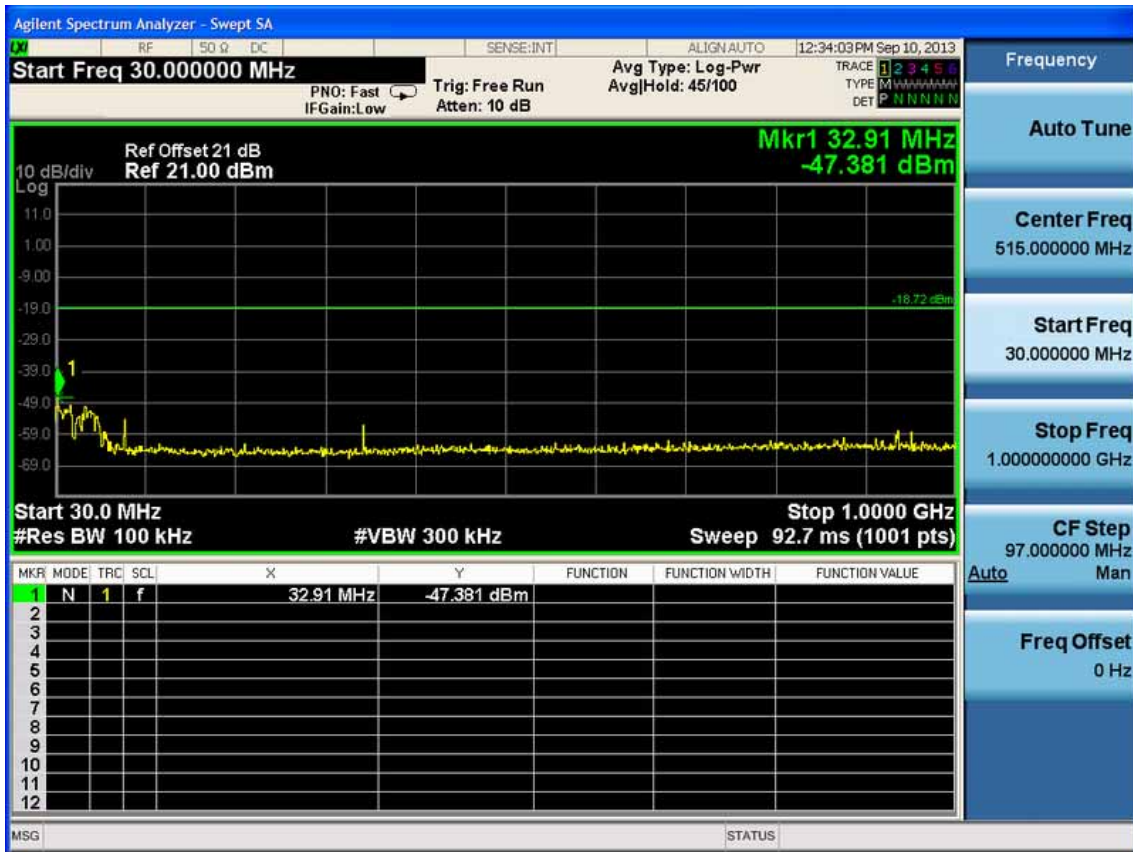
Test CH11: 2462MHz



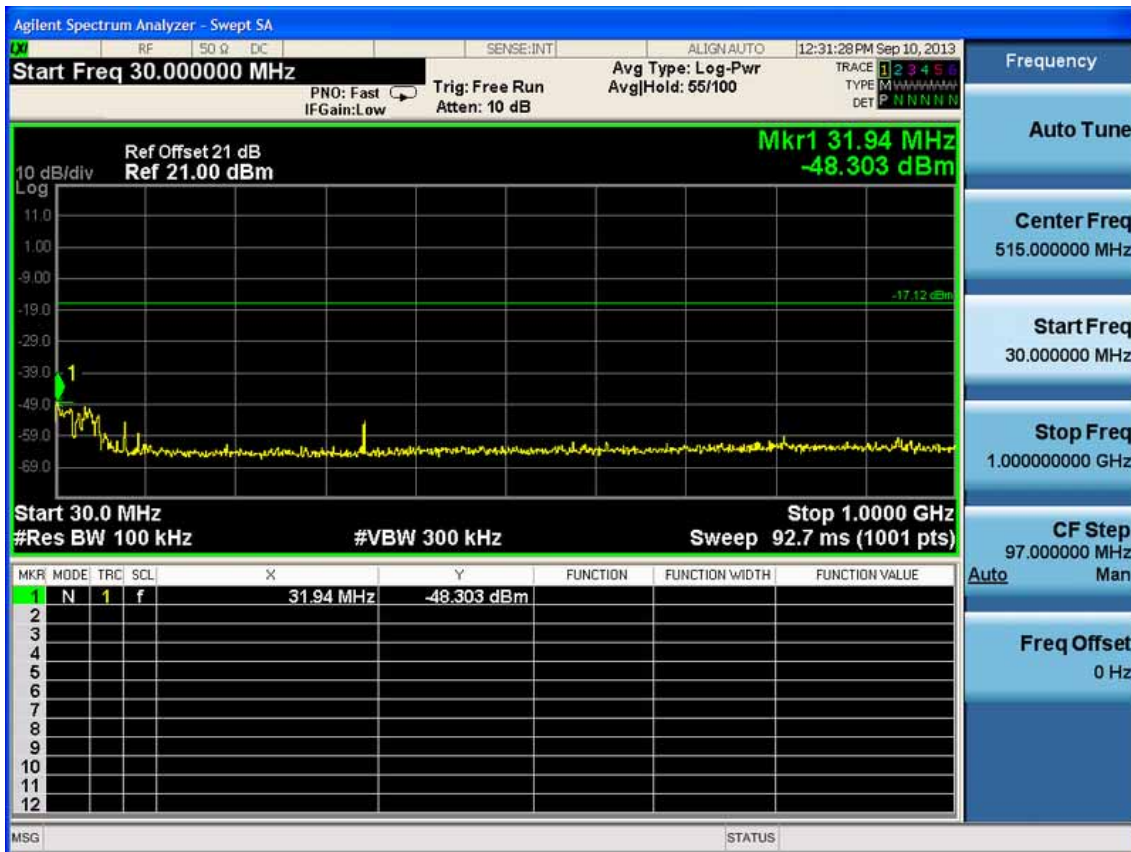
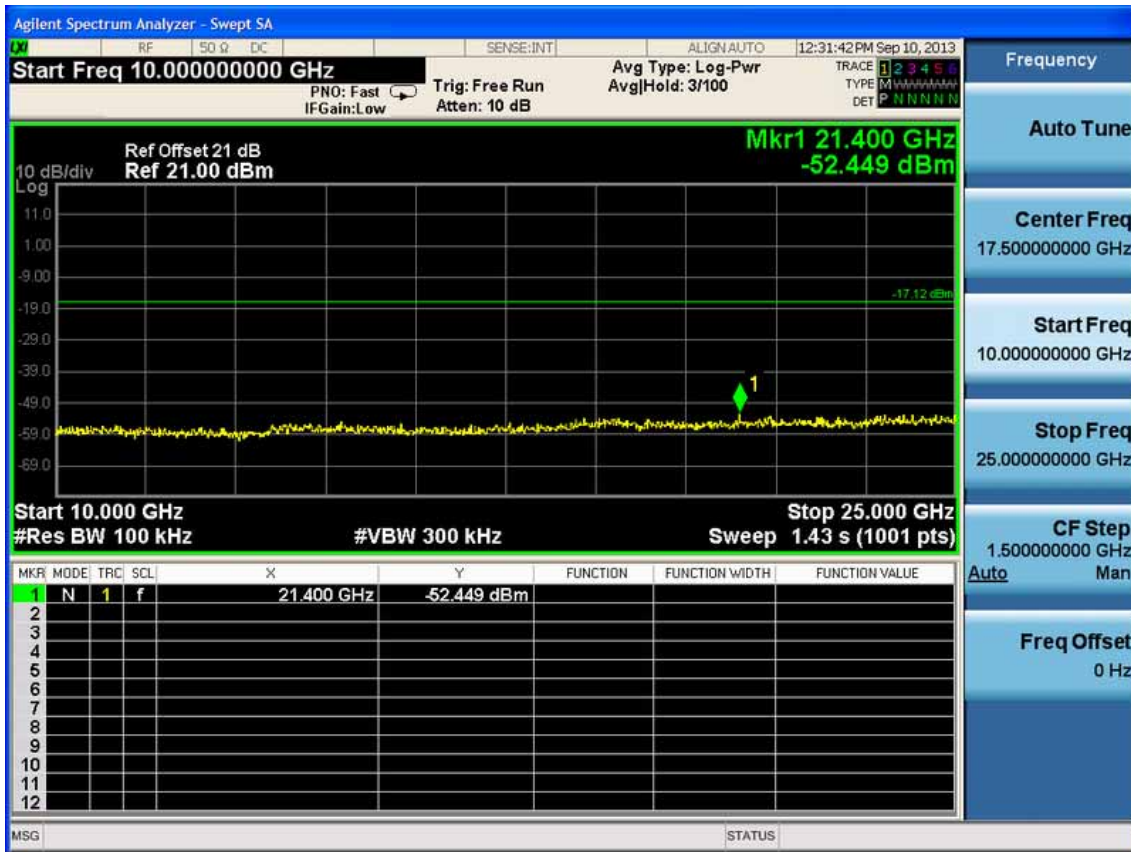


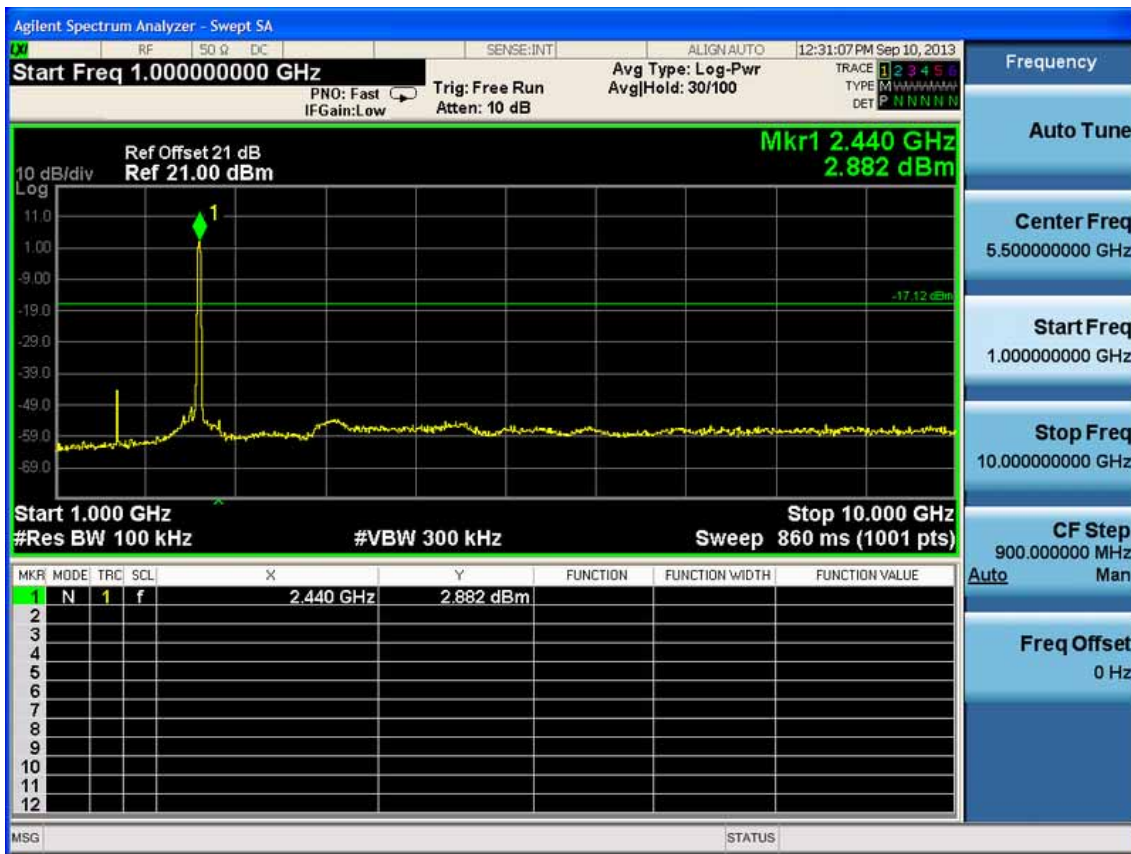
Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz



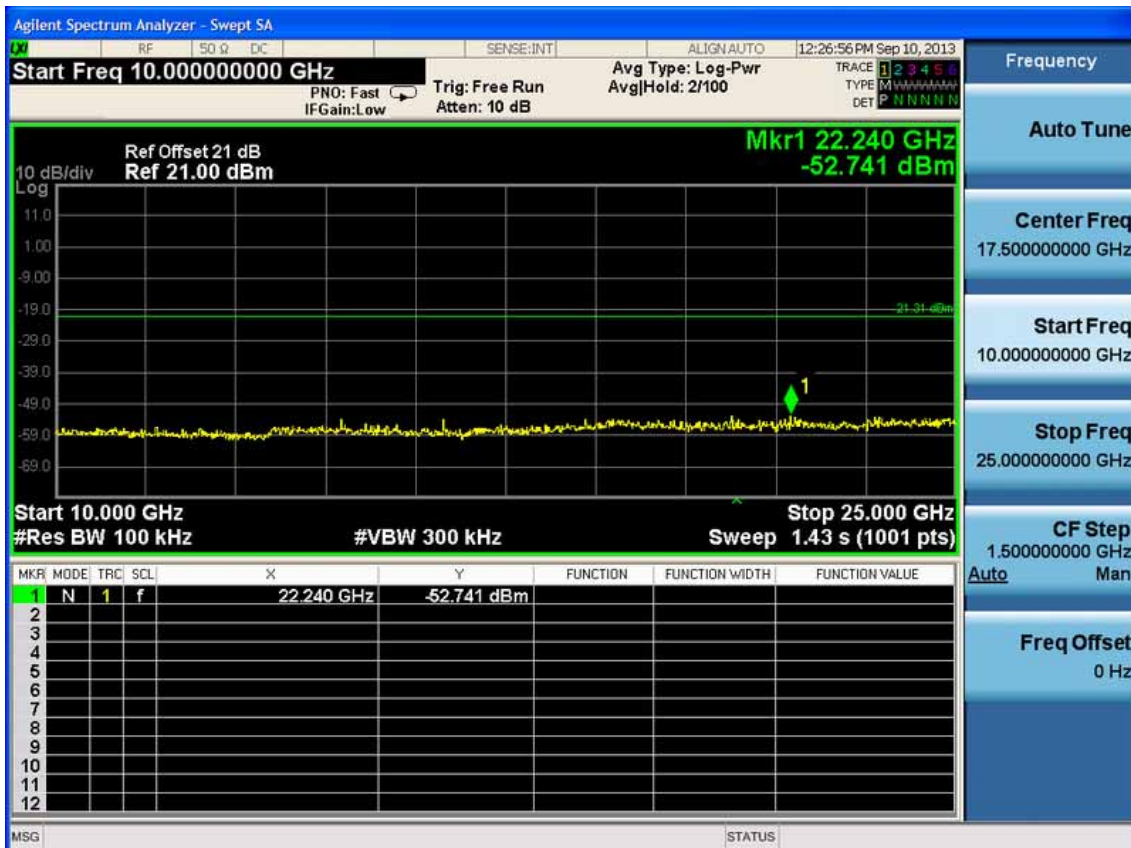


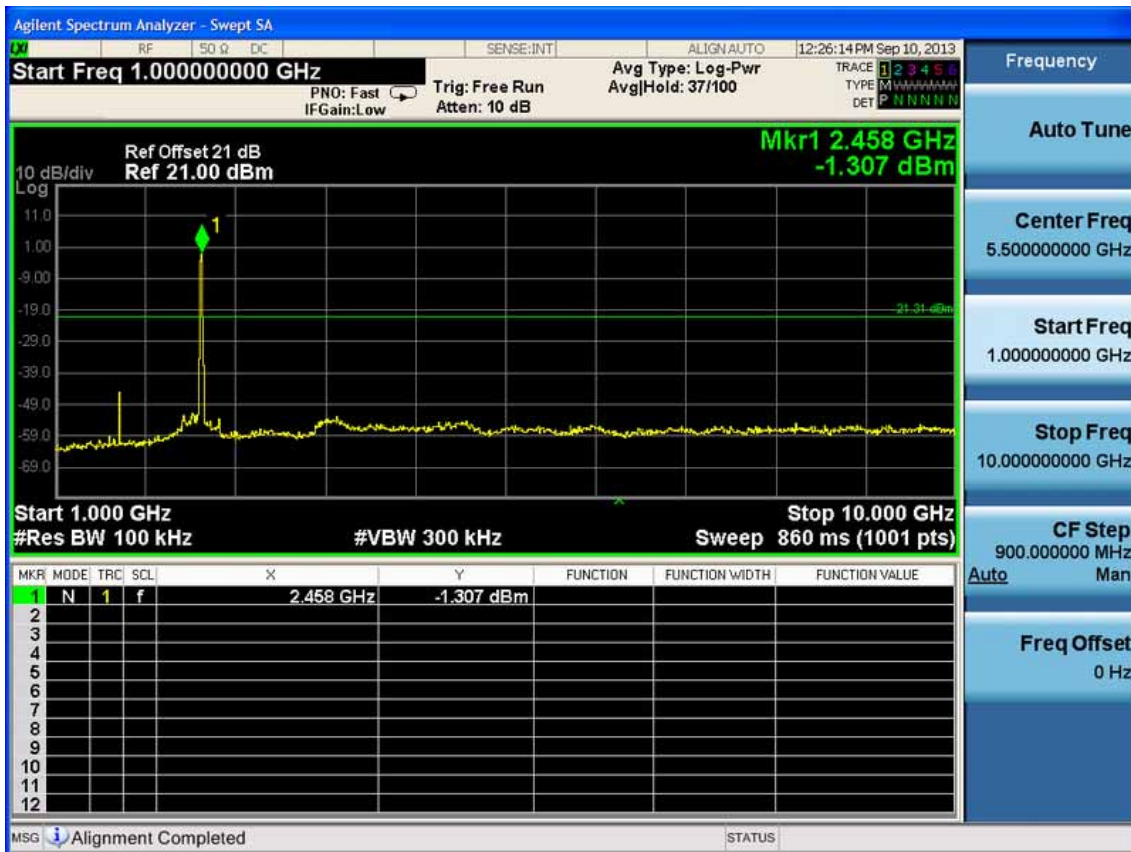
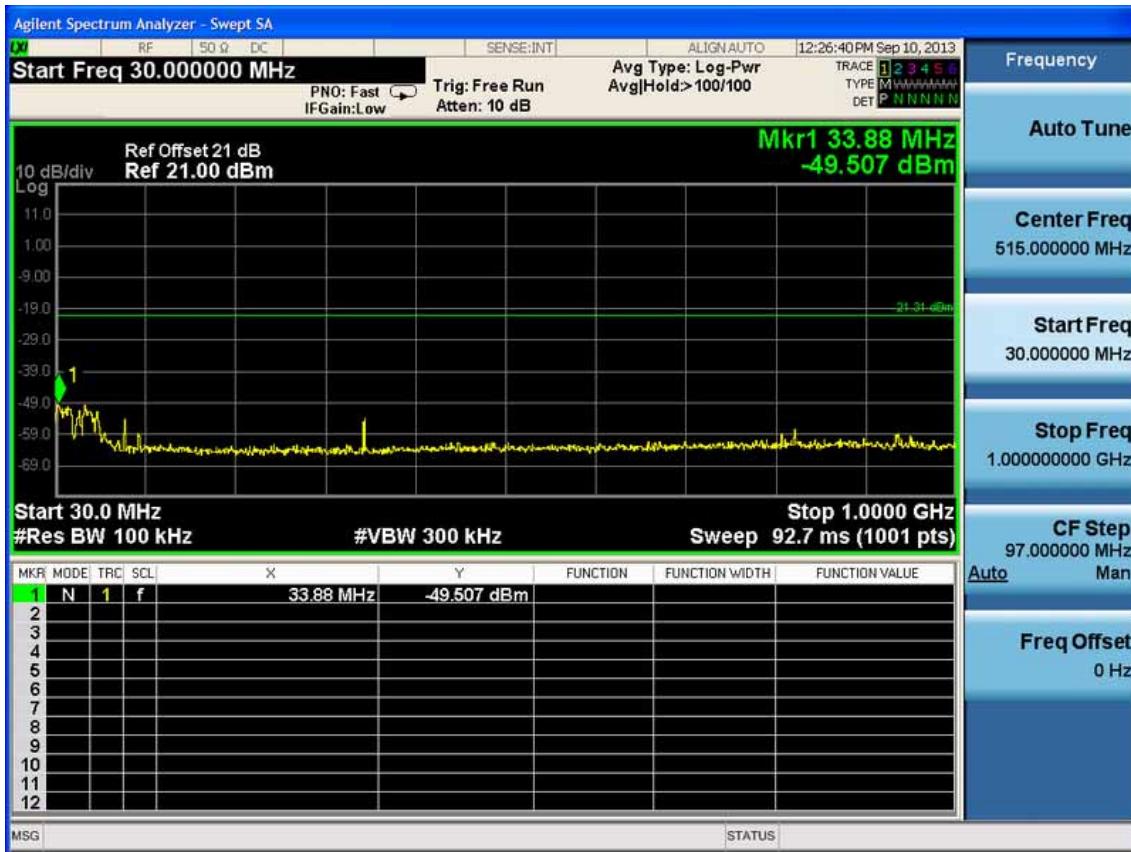
Test CH6: 2437MHz





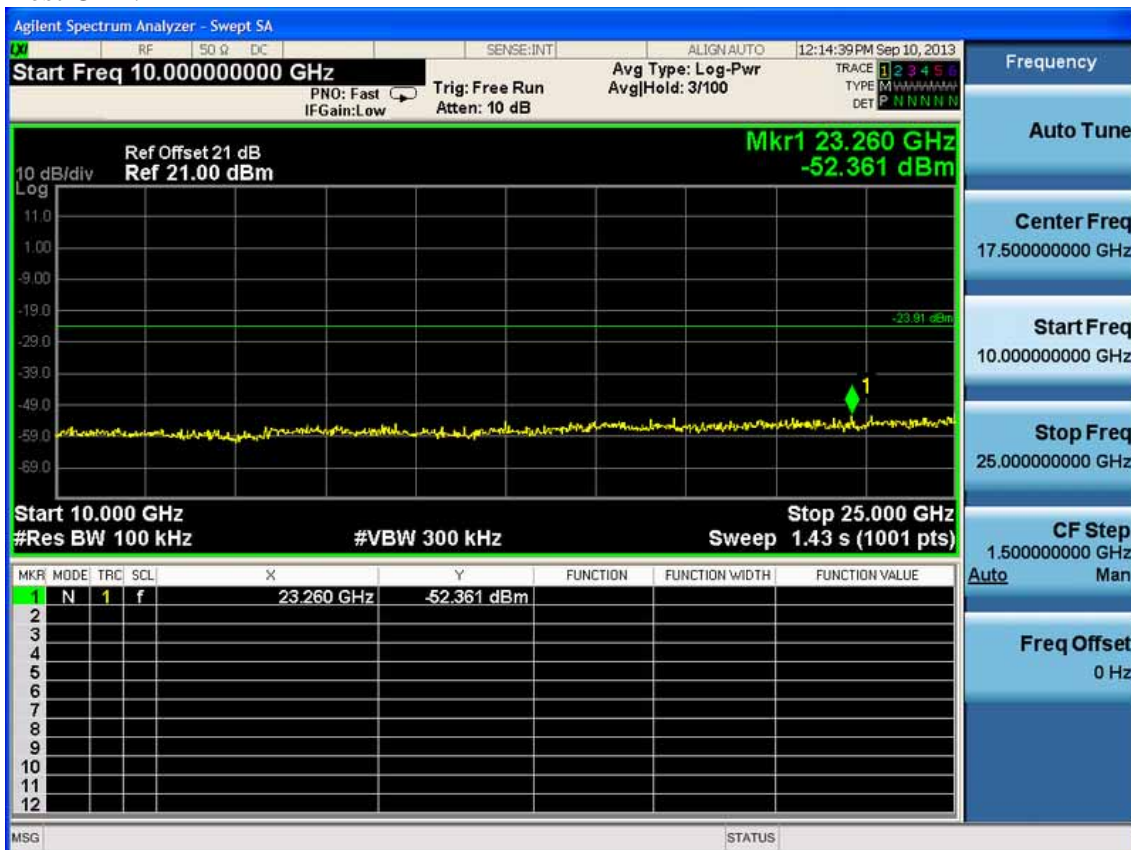
Test CH11: 2462MHz

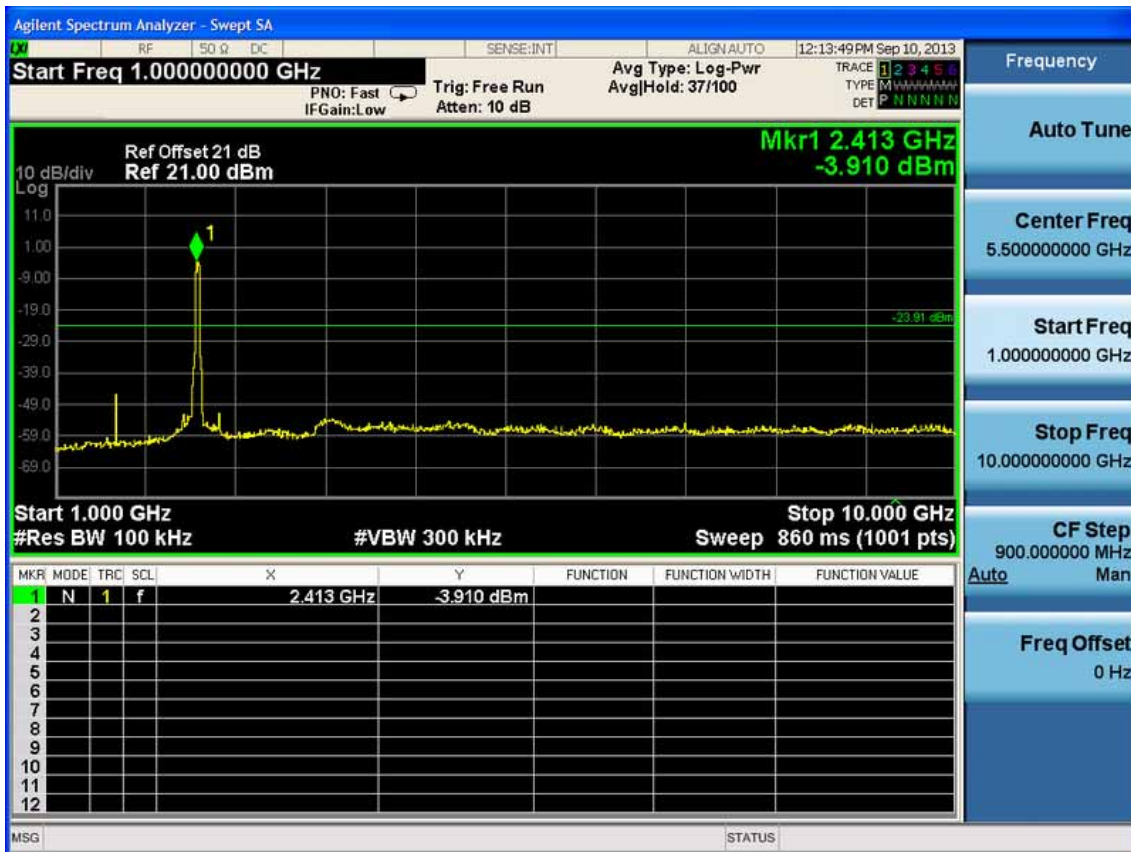
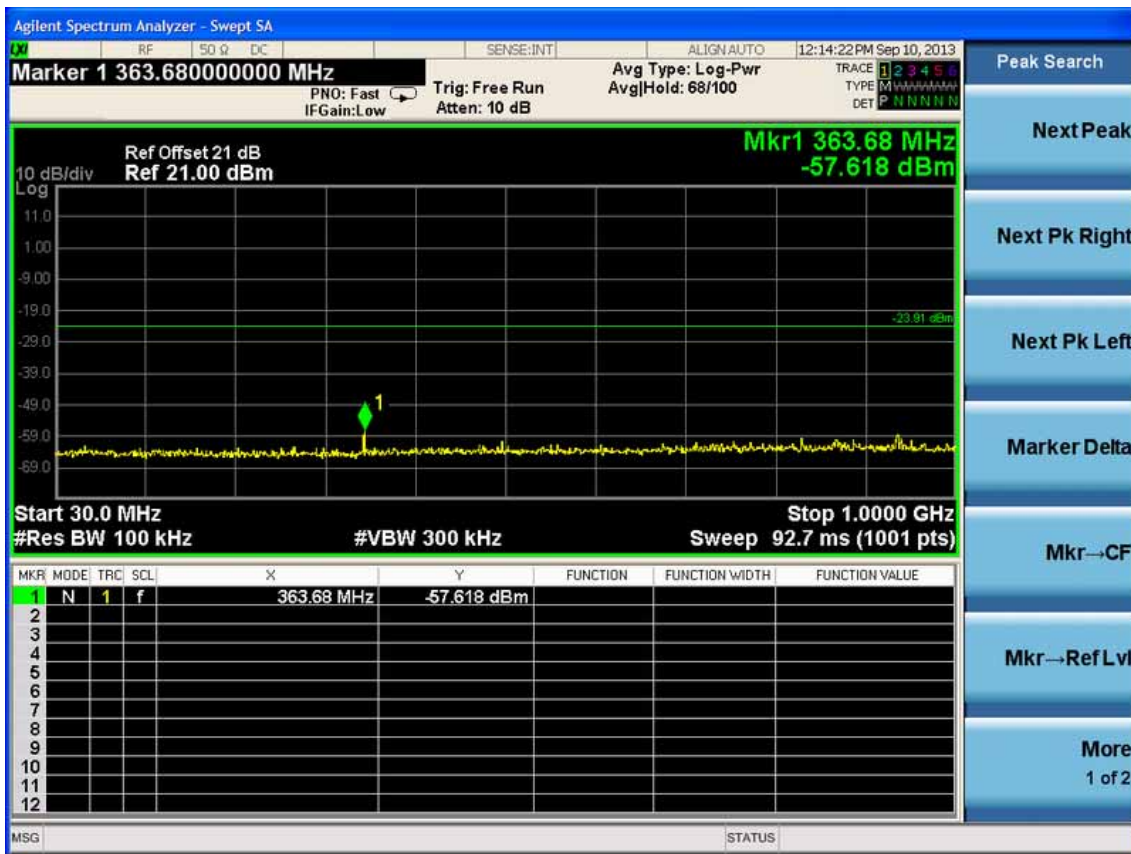






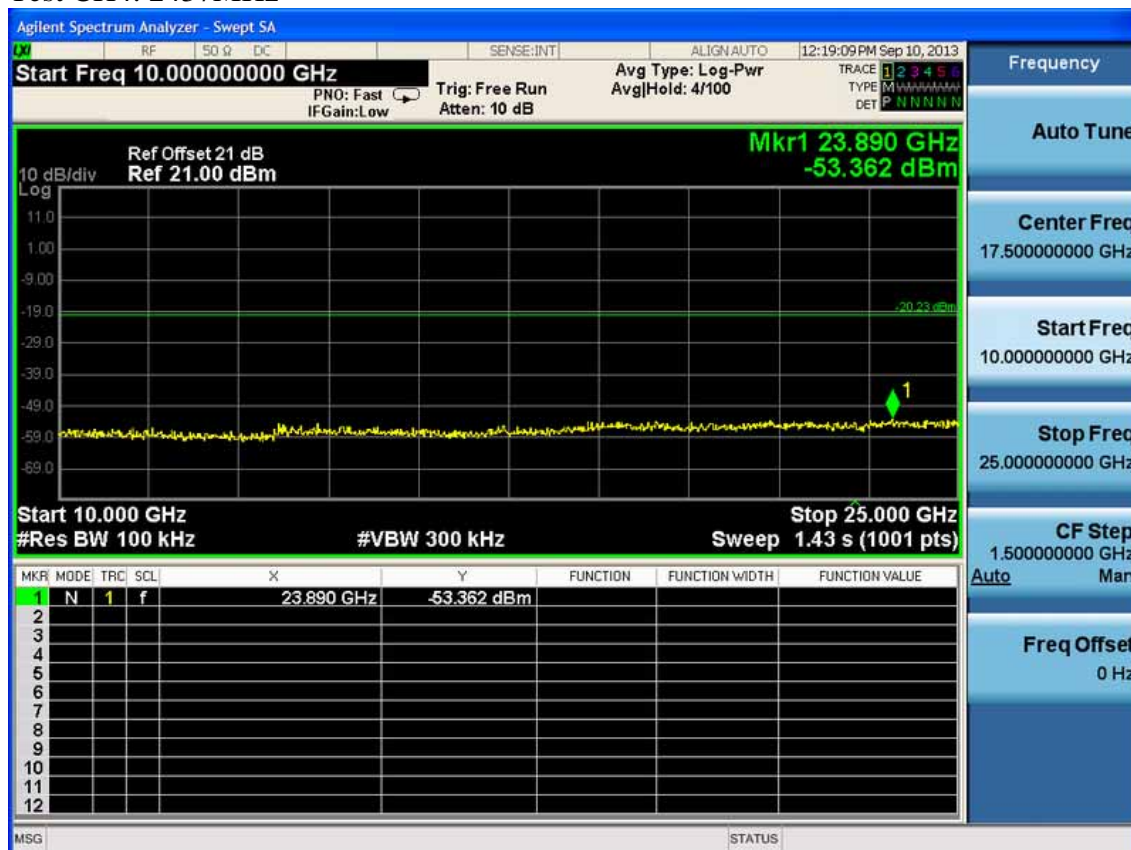
Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz

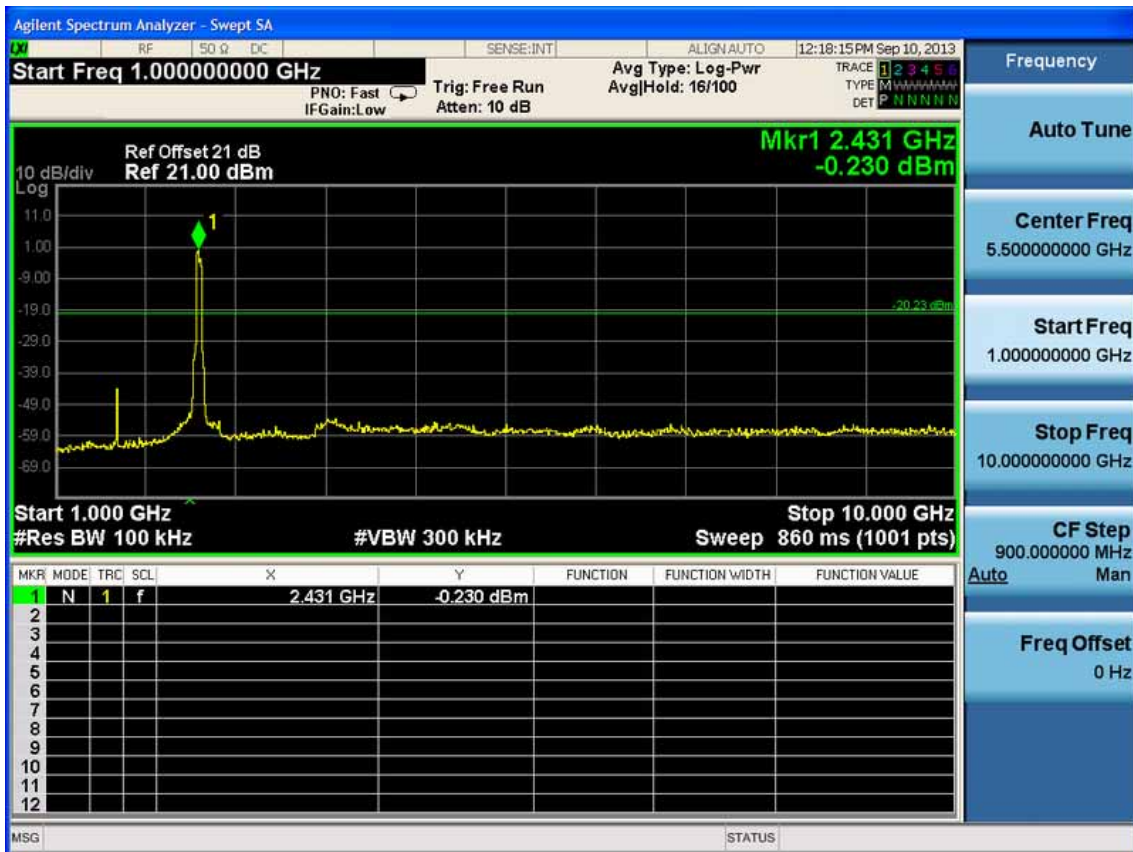
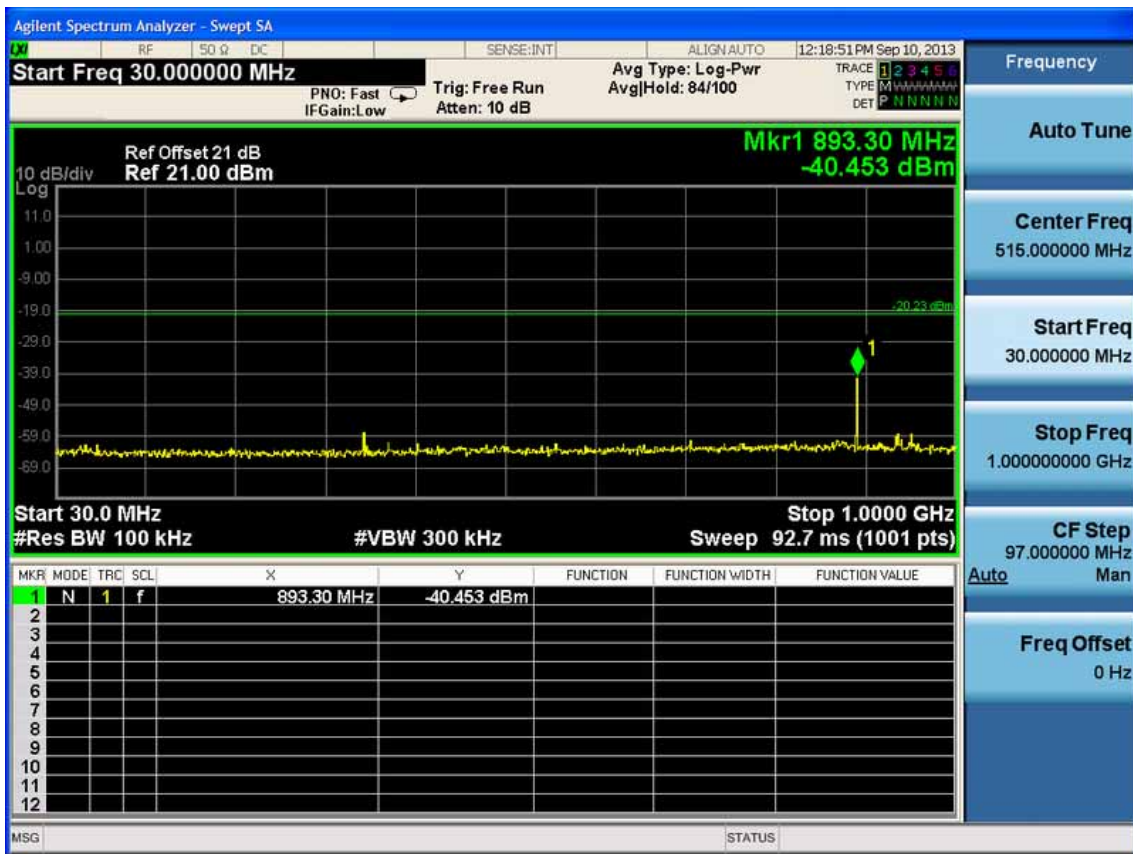




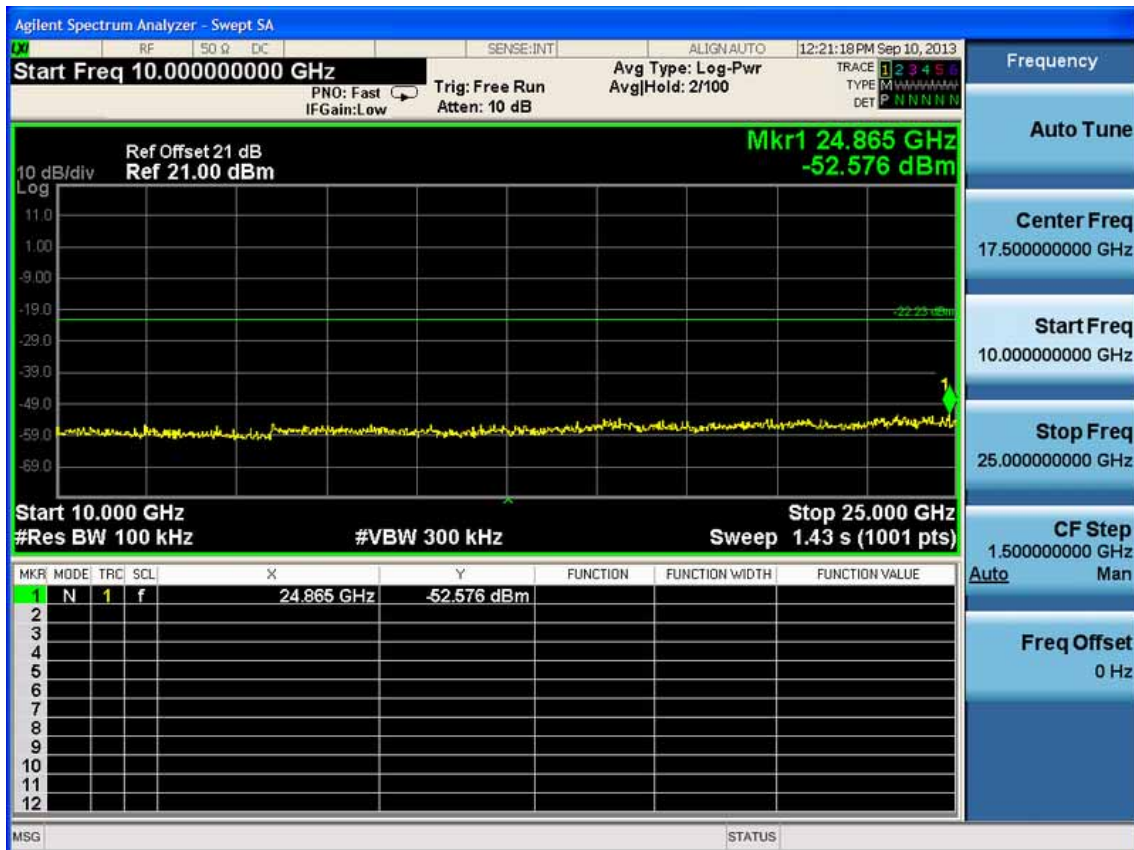


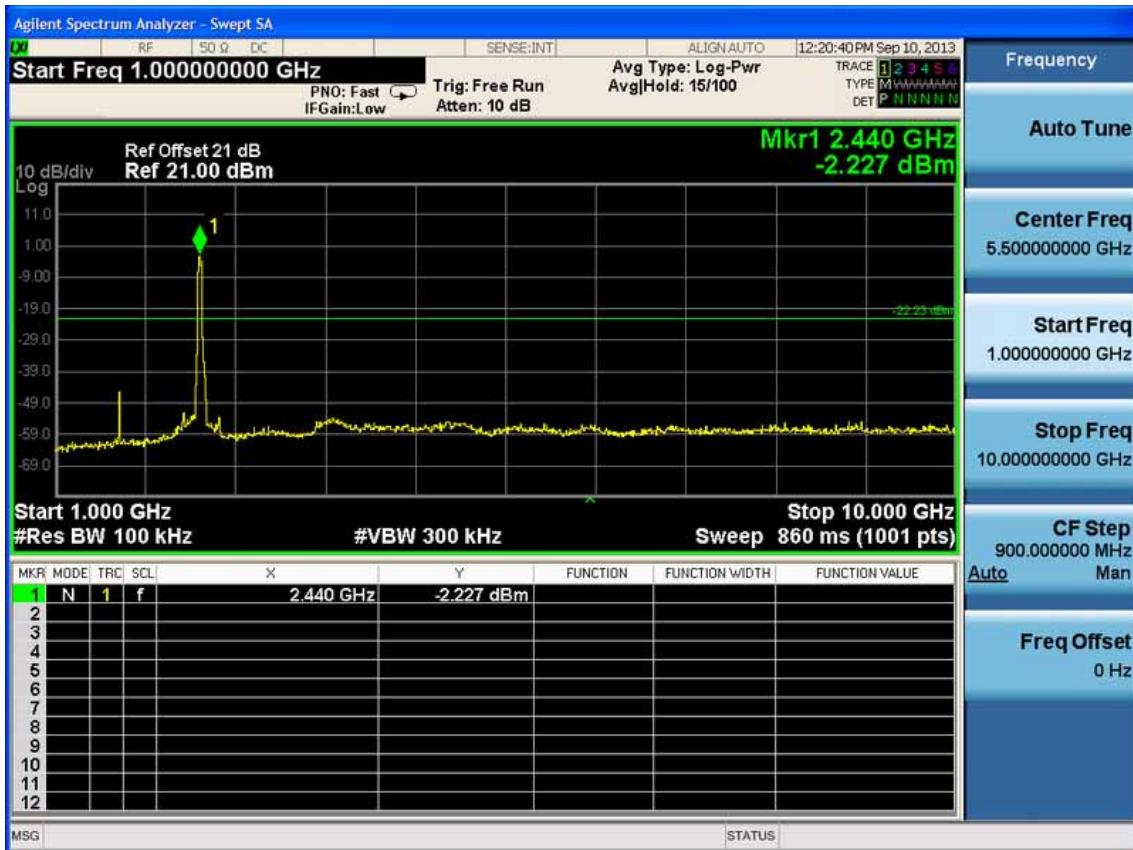
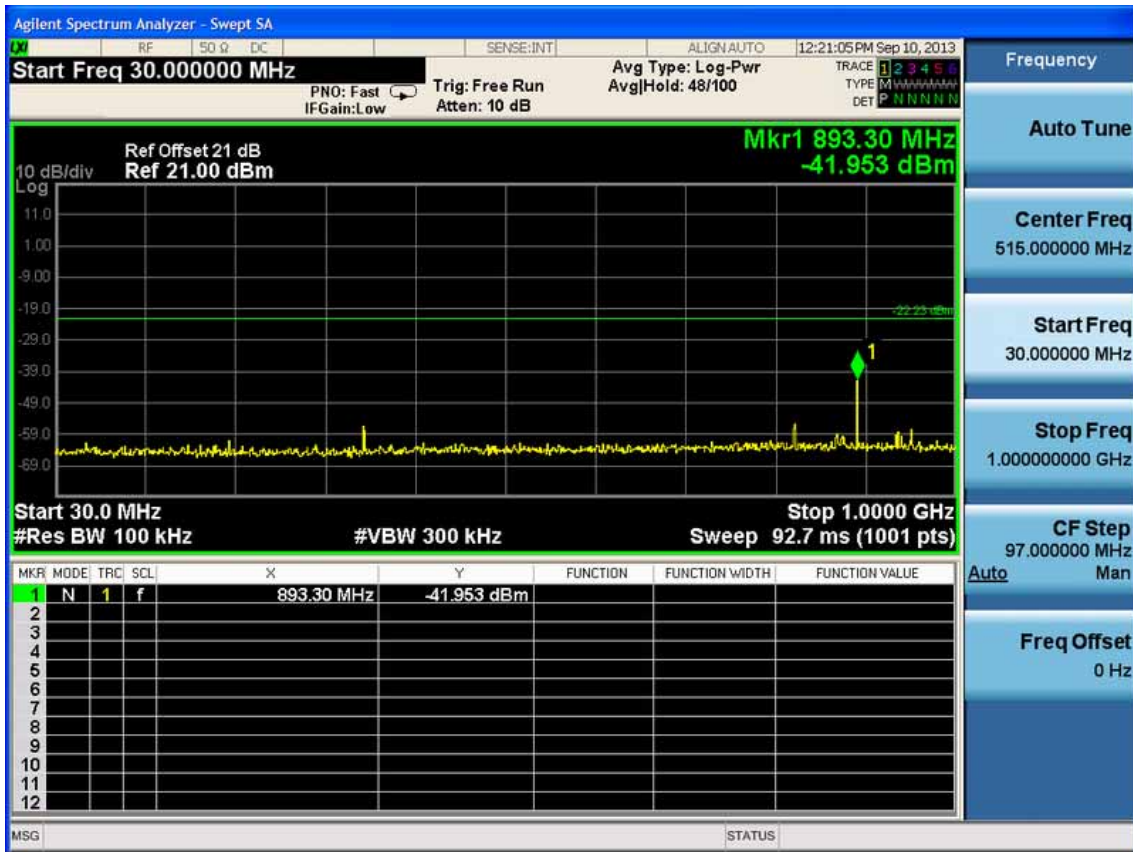
Test CH4: 2437MHz





Test CH7: 2452MHz

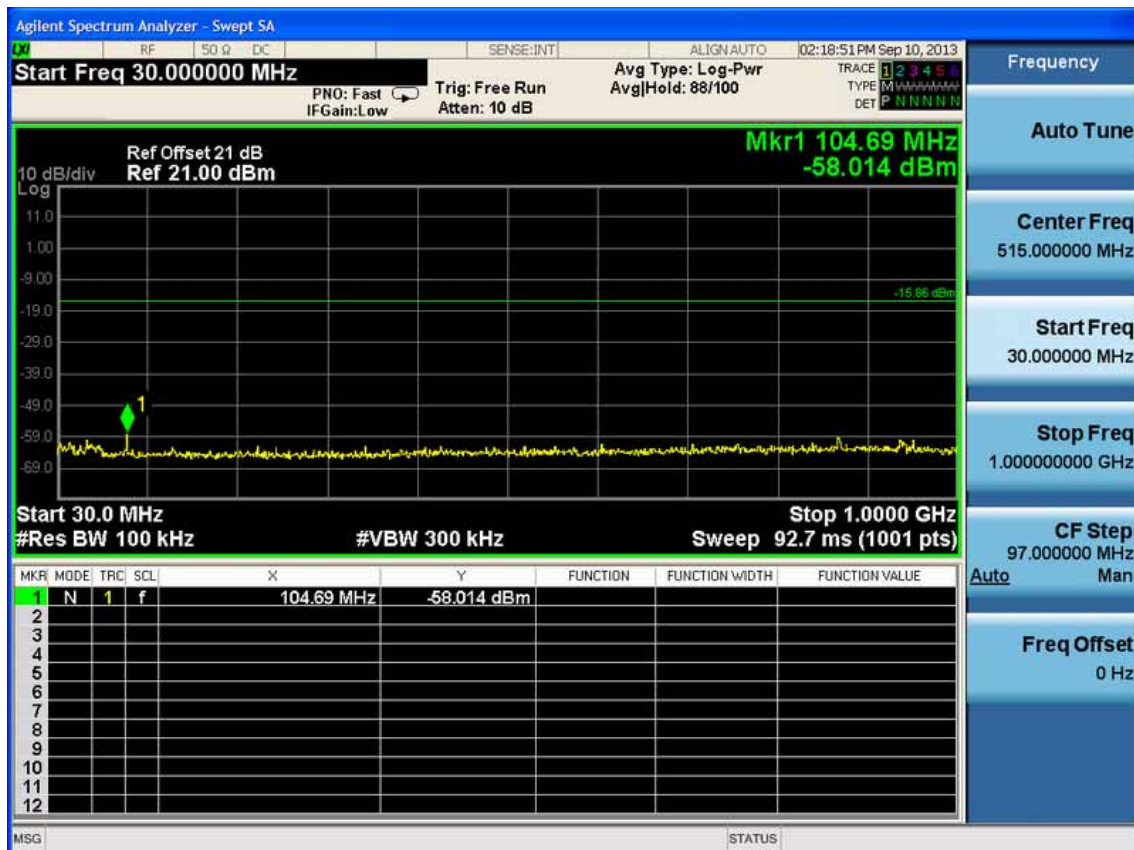
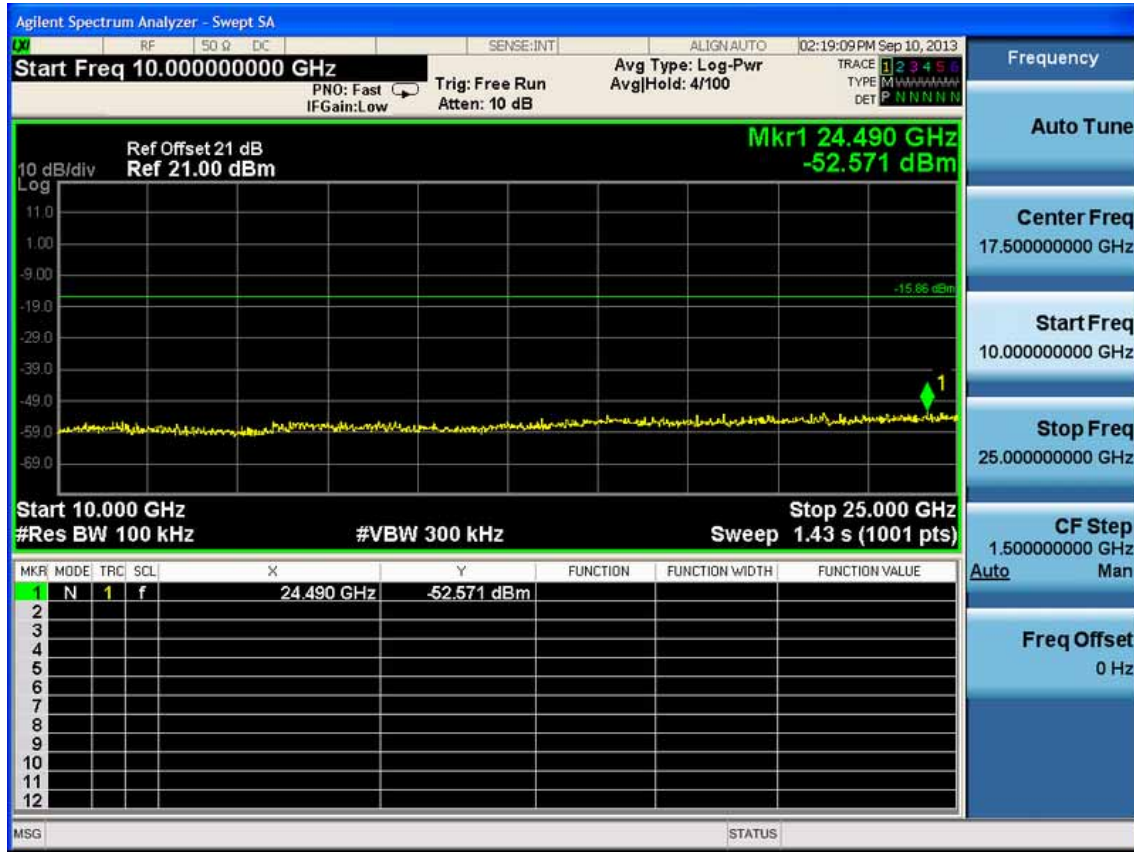


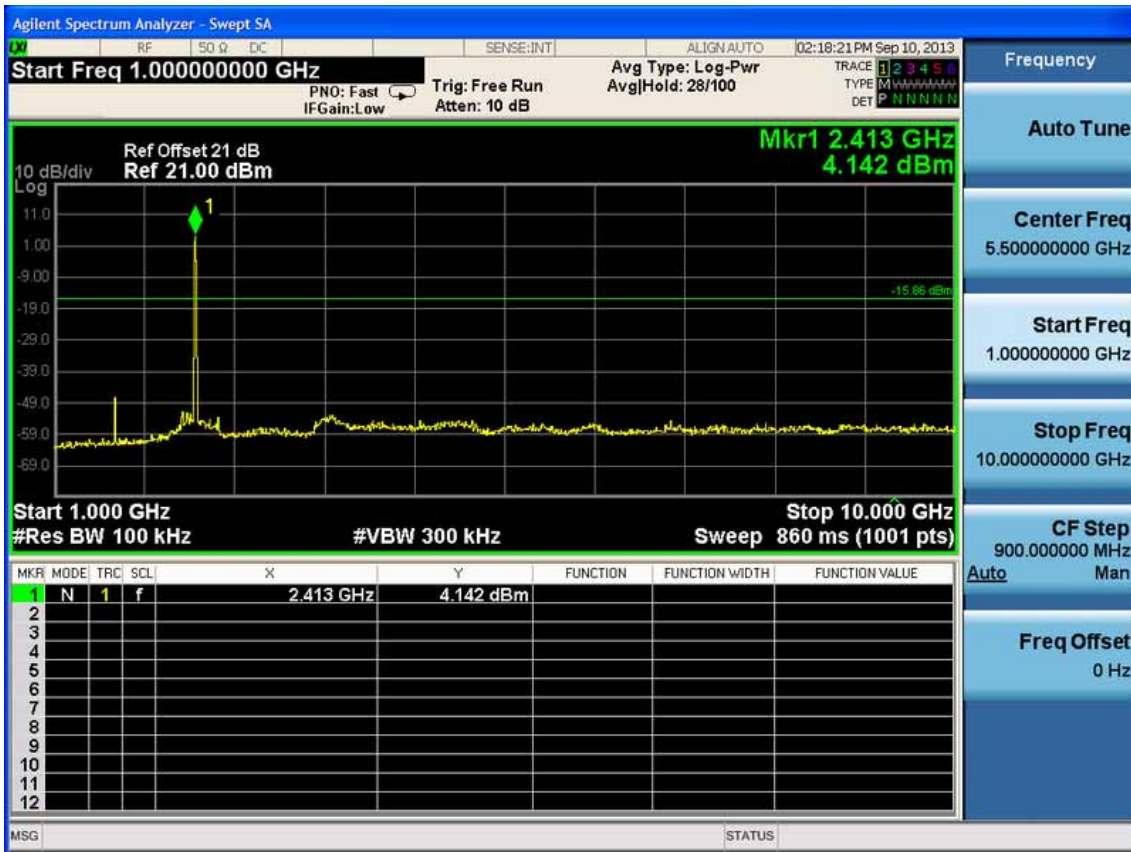


Chain 1:

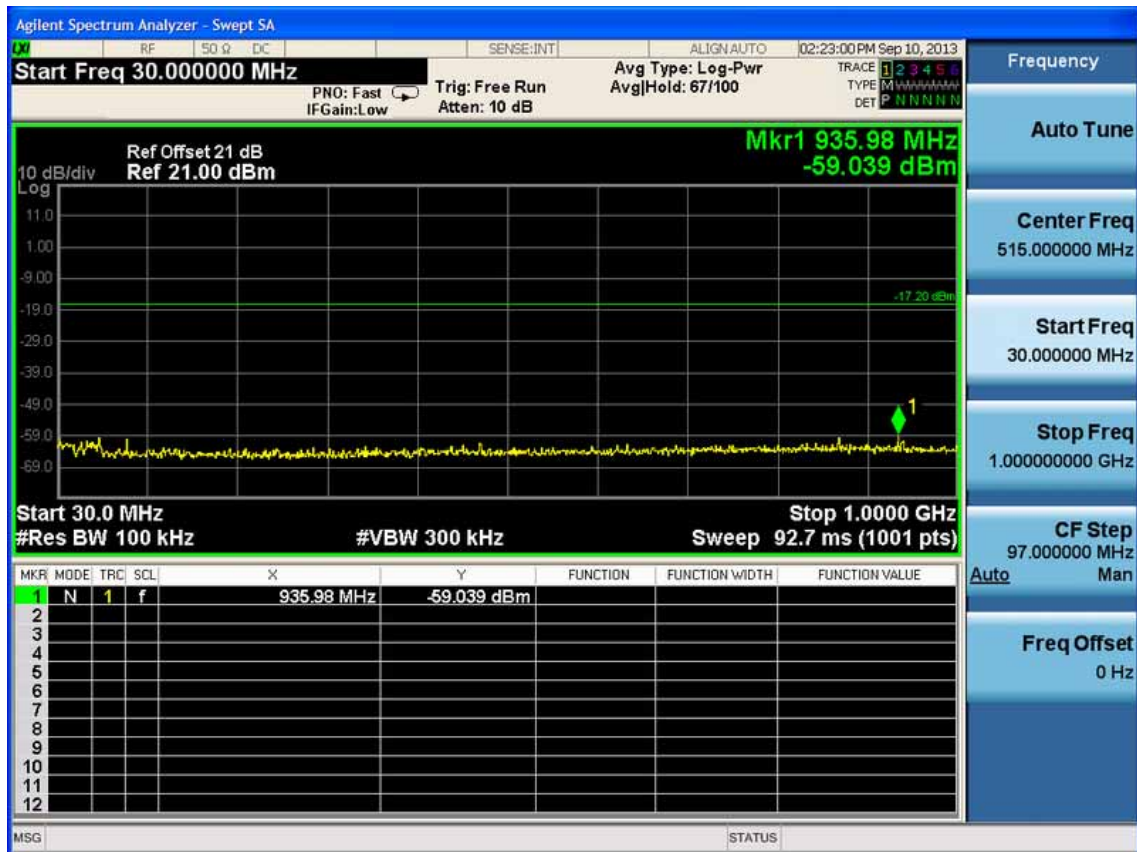
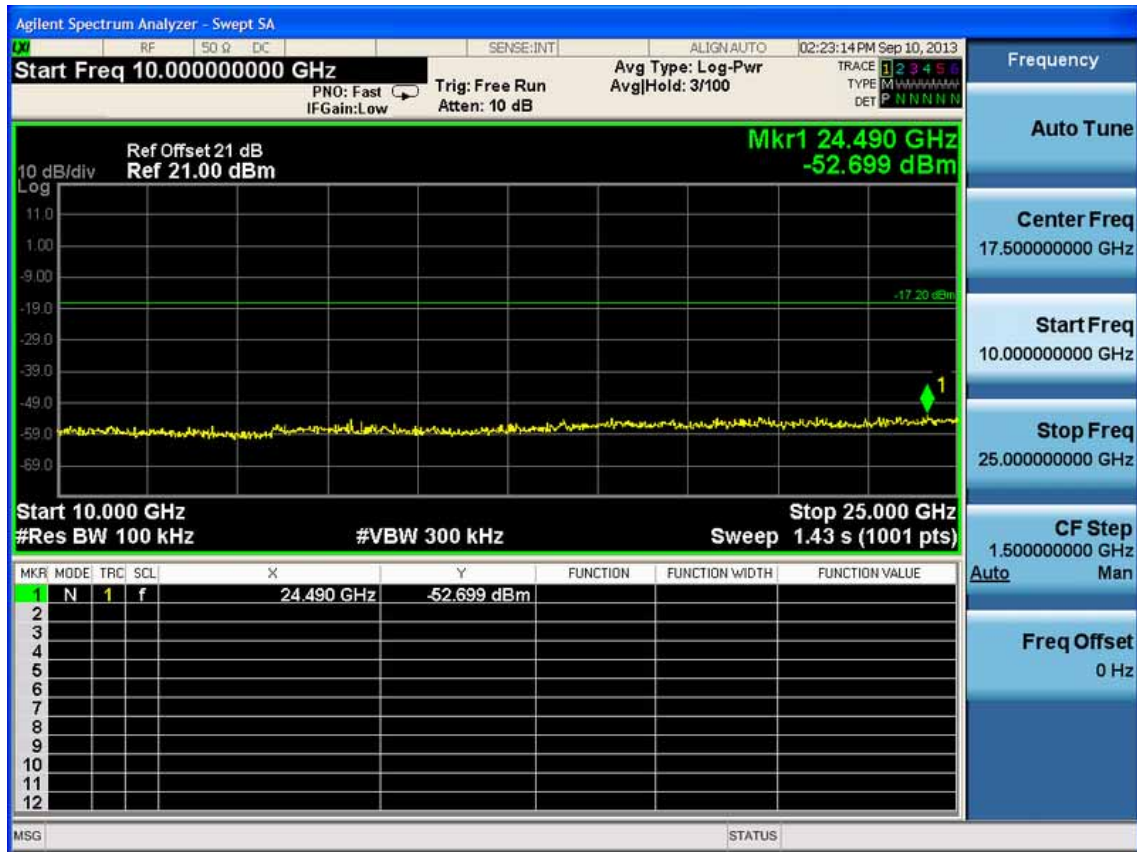
Test Mode: IEEE 802.11b TX

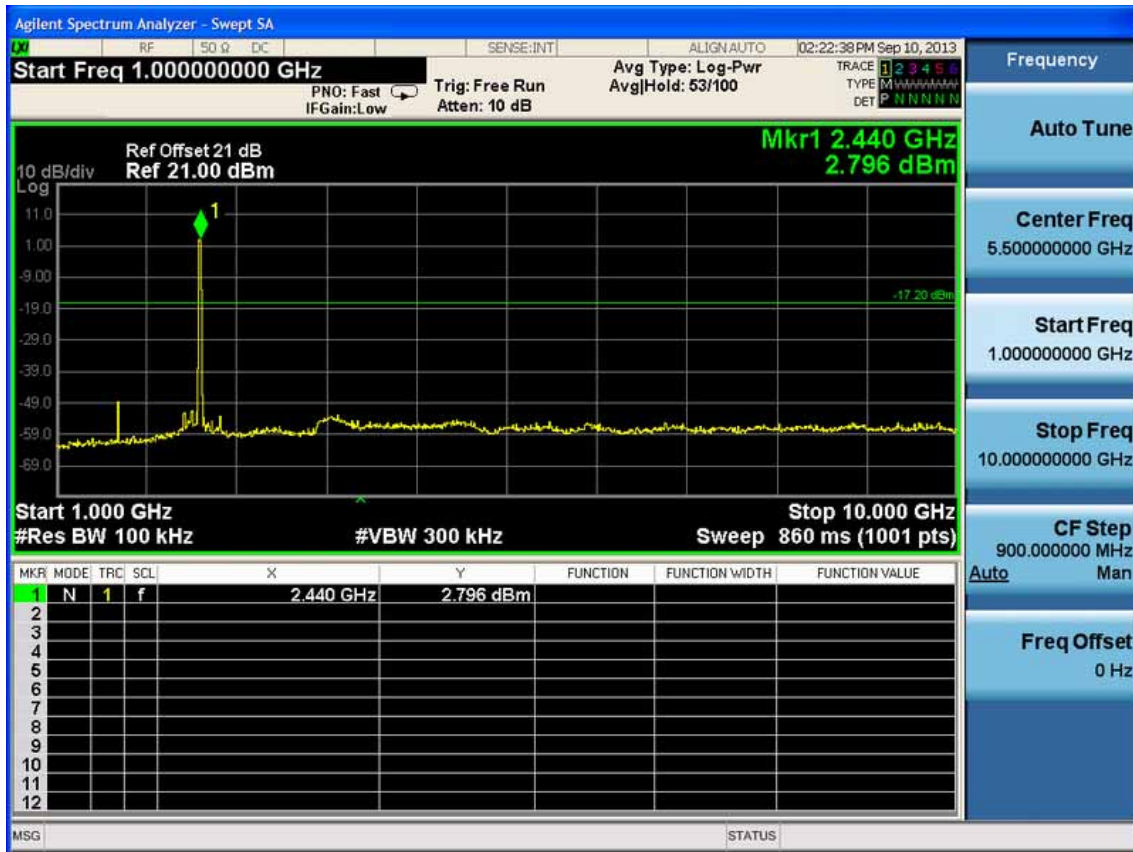
Test CH1: 2412MHz





Test CH6: 2437MHz





Test CH11: 2462MHz

