FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

DELL Inc.

Dell Cast Adapter

Brand Name	Model No.
DELL	BEL01

FCC ID: E2K-BEL01

Prepared for : DELL Inc.
One Dell Way, Round Rock, Texas 78682,United States.

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
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Report Number : ACS-F14192
Date of Test : May.25~Jun.14, 2014
Date of Report : Jun.25, 2014

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TEST REPORT CERTIFICATION

Applicant	:	DELL Inc.
Manufacturer	:	DELL Inc.
EUT Description	:	Dell Cast Adapter
FCC ID	:	E2K-BEL01

(A) MODEL NO. & BRAND NAME :

Brand Name	Model No.
DELL	BEL01

(B) SERIAL NO. : N/A

(C) TEST VOLTAGE : DC 5V From PC Input AC 120V/60Hz

Tested for comply with:
FCC Rules and Regulations Part 15 Subpart C: 2013

Test procedure used:
ANSI C63.10:2009
KDB789033D01: KDB644545D01

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. This report contains data that are not covered by the NVLAP accreditation. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements.

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

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

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

Date of Test : May.25~ Jun.14, 2014 Report of date: Jun.25, 2014

Prepared by : Lisa Liang
Lisa Liang / Assistant

Reviewed by :
Sunny Lu / Assistant Manager

Approved & Authorized Signer :
David Jin / 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 6.25

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
26dB Bandwidth Test	FCC Part 15: 15.407(a)	PASS
Output Power Test	FCC Part 15: 15.407(a)	PASS
Power Spectral Density Test	FCC Part 15: 15.407(a)	PASS
Peak Excursion	FCC Part 15: 15.407(a)	PASS
Frequency Stability	FCC Part 15: 15.407(g) ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product Name : Dell Cast Adapter

Model Number& Brand Name :

Brand Name	Model No.
DELL	BEL01

FCC ID : E2K-BEL01

Radio : Bluetooth V2.1+EDR; Bluetooth V4.0; IEEE802.11 a/b/g/n/ac

Operation Frequency : IEEE 802.11a: 5180MHz—5240MHz,5745MHz—5825MHz
IEEE 802.11ac VHT20: 5180MHz—5240MHz, 5745MHz—5825MHz
IEEE 802.11ac VHT40: 5190MHz—5230MHz, 5755MHz—5795MHz
IEEE 802.11ac VHT80: 5210MHz, 5775MHz
IEEE 802.11b: 2412MHz—2462MHz
IEEE 802.11g: 2412MHz—2462MHz
IEEE802.11nHT20:2412MHz—2462MHz,5180MHz—5240MHz, 5745MHz—5825MHz
IEEE802.11nHT40:5190MHz—5230MHz, 5755MHz—5795MHz
Bluetooth: 2402-2480MHz

Modulation Technology : IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK)
IEEE 802.11a/g: OFDM(64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ac VHT20, VHT40, VHT80: OFDM (16QAM, 64QAM, 256QAM, QPSK, BPSK)
IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)
Bluetooth V2.1+EDR: GFSK, π/4DQPSK,8-DPSK
Bluetooth V4.0: GFSK

Antenna Assembly Gain& type : PIFA Antenna,
2.4GHz: 3.61dBi(max)
5GHz (Band 1): 2.04dBi(max)
5GHz (Band 4): 2.52dBi(max)

Applicant : DELL Inc.
One Dell Way, Round Rock, Texas 78682,United States.

Manufacturer : DELL Inc.
One Dell Way, Round Rock, Texas 78682,United States.

USB Cable : Shielded, Detachable, 1.8m

Date of Test : May.25~Jun.14, 2014

Date of Receipt : May.23, 2014

Sample Type : Prototype production

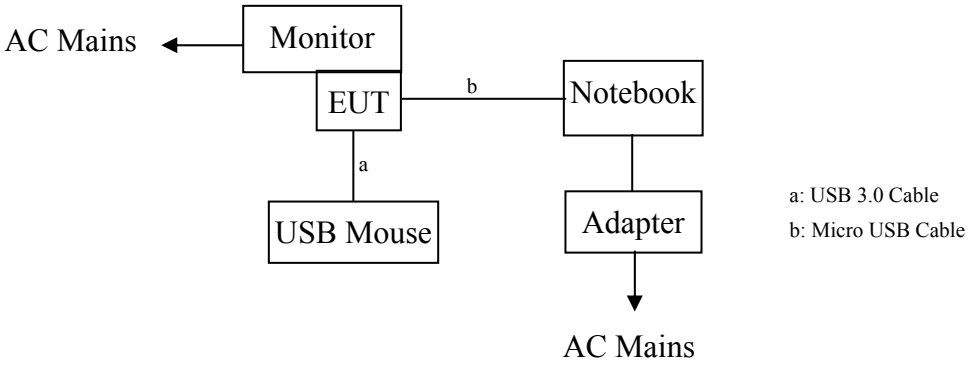
2.2. Test information

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.

2.3.Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	USB Mouse	ACS-EMC-M03R	Dell	M056UO	512023253	☑FCC ID ☑BSMI ID
		Cable: Shielded, Undetectable, 4.0m				
2.	Monitor	ACS-EMC-LM08R	Dell	3008WFPt	CN-OG501H-7444S-06P-083L	☑FCC ID ☑BSMI ID
		Data Cable (VGA): Shielded, Detachable, 2.0m				
3.	Notebook	N/A	DELL	PP09S	N/A	☑FCC DoC ☑BSMI ID: R41108
		Power Cord: Unshielded, Detachable, 1.8m Power Adapter: Manufacturer: DELL, M/N: LA65NS1-00 Cable: Unshielded, Detachable, 4.0m(Bond one ferrite core)				

2.4.Block Diagram of Test Setup



(EUT: Dell Cast Adapter)

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: May.14, 2017

: Certificated by DAkkS, Germany
Registration No: D-PL-12151-01-00
Valid Date: Dec.15, 2016

Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2015

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

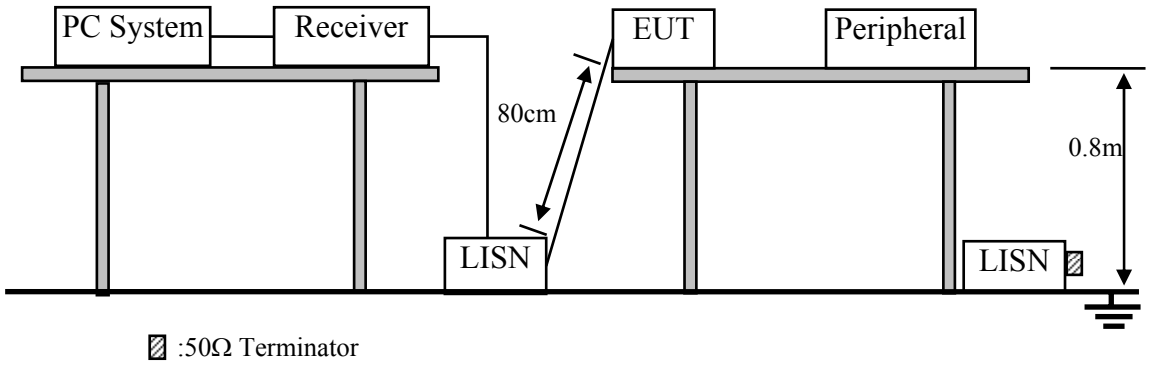
Test Item	Uncertainty	Memo
Uncertainty for Conducted emission test in No. 1 Conduction	±3.10 dB	150KHz to 30MHz
Uncertainty for Radiated Emission test in 3m chamber	±3.22 dB	30~200MHz, Polarization: H
	±3.23 dB	30~200MHz, Polarization: V
	±3.49 dB	200M~1GHz, Polarization: H
	±3.39 dB	200M~1GHz, Polarization: V
Uncertainty for Radiated Emission test in 3m chamber (1GHz-18GHz)	±4.97 dB	1~6GHz, Distance: 3m
	±4.99 dB	6~18GHz, Distance: 3m
Uncertainty for Radiated Spurious Emission test	±3.57 dB	
Uncertainty for Conducted Spurious emission test	±2.00 dB	
Uncertainty for Output power test	±0.73 dB	
Uncertainty for Power density test	±2.00 dB	
Uncertainty for Temperature and humidity test for ETSI	±3%	
	±0.6℃	
Uncertainty for Radio Frequency	$\pm 7 \times 10^{-8}$	
Uncertainty for Bandwidth	±83 KHz	
RF level uncertainty for given BER	±0.2 dB	

3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	Apr.17,14	1 Year
2.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Oct.31, 13	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100429	Jan.22, 14	1 Year
4.	L.I.S.N.#3	Kyoritsu	KNW-242C	8-1920-1	Apr. 28,14	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 1	Apr. 28,14	1 Year
6.	Terminator	Hubersuhner	50Ω	No. 2	Apr. 28,14	1 Year
7.	RF Cable	Hubersuhner	RG58	0100.6954.20#	Jan.22, 14	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6200298346	Apr. 28,14	1 Year
9.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101838	Jan.22, 14	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. Dell Cast Adapter (EUT)

Model Number : BEL01
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. PC run test software to control EUT work in Tx mode.

3.6. Test Procedure

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

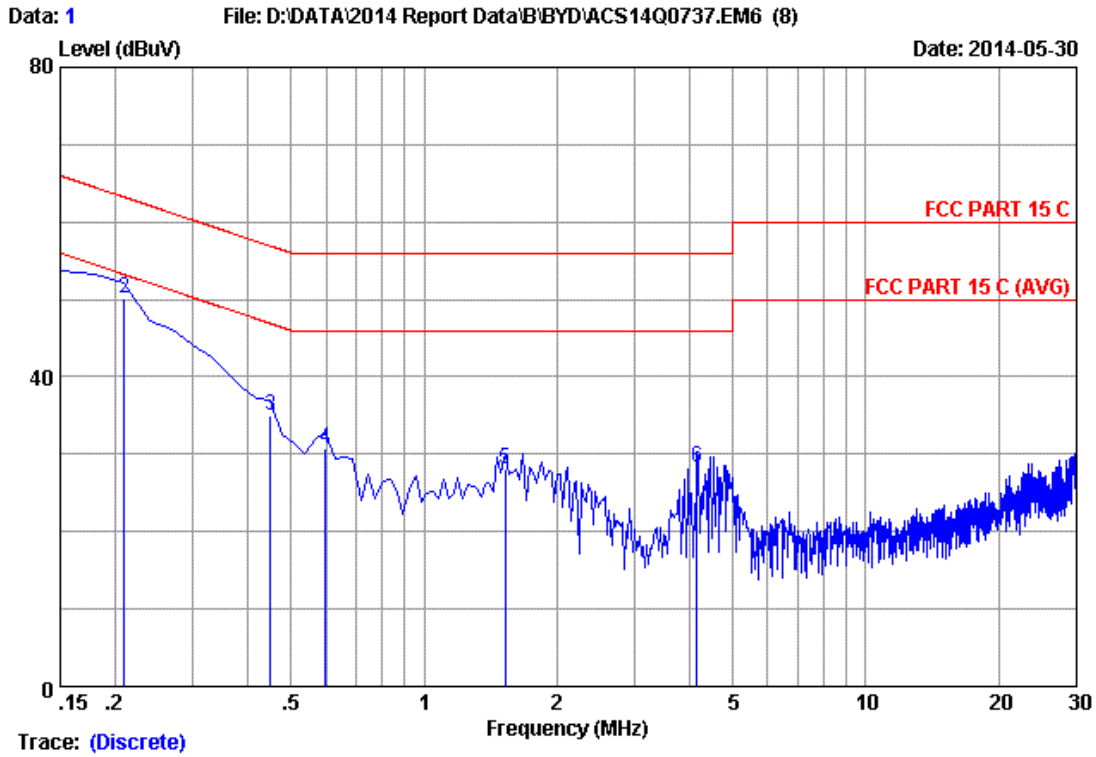
The bandwidth of test receiver (R & S ESHS10) is set at 9kHz.

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.)

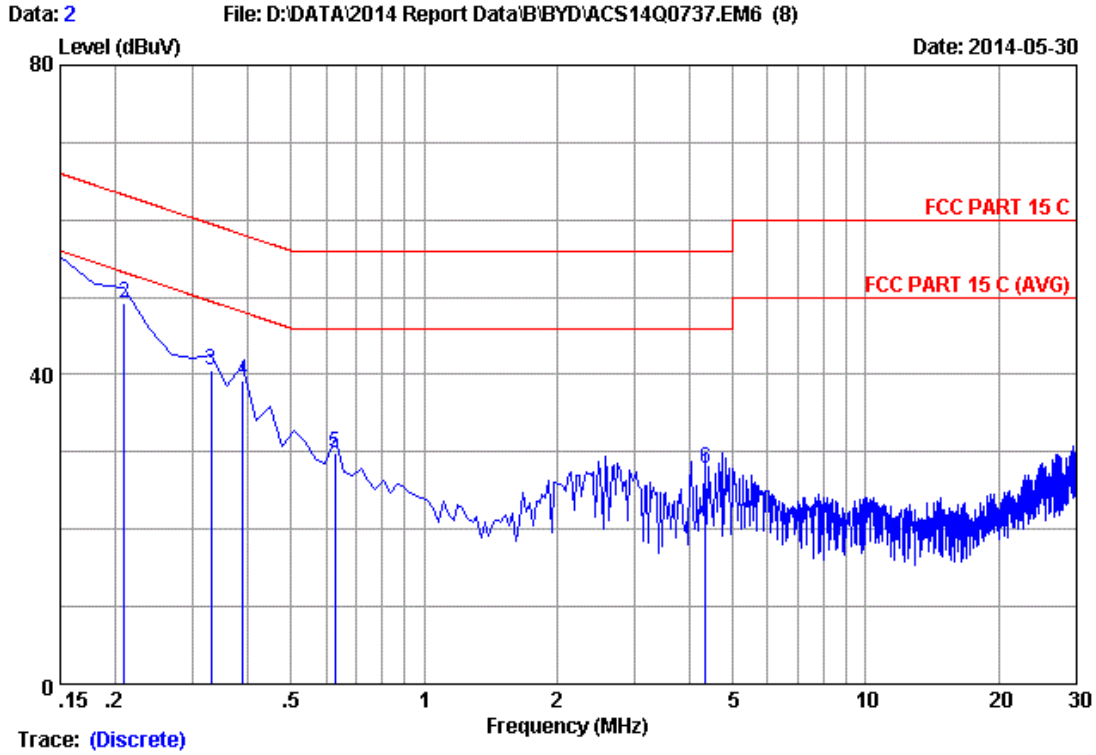
Band 1(5150-5250MHz):




```
Site no       :1#conduction                    Data No    :1
Dis./Ant.     :2014 ESH2-Z5 LINE
Limit         :FCC PART 15 C
Env./Ins.     :25.3*C/42%                      Engineer   :Kevin_HMJ
EUT           :Dell Cast Adapter
Power Rating :DC 5V From PC Input AC 120V/60Hz
Test Mode     :Tx Mode(WIFI)
               M/N:BEL01
```

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.12	9.87	41.63	51.62	66.00	14.38	QP
2	0.20970	0.13	9.88	40.14	50.15	63.22	13.07	QP
3	0.44850	0.15	9.88	24.97	35.00	56.90	21.90	QP
4	0.59775	0.16	9.89	20.77	30.82	56.00	25.18	QP
5	1.523	0.18	9.90	18.02	28.10	56.00	27.90	QP
6	4.150	0.25	9.94	18.03	28.22	56.00	27.78	QP

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



Site no :1#conduction
Dis./Ant. :2014 ESH2-Z5 NEUTRAL
Limit :FCC PART 15 C
Env./Ins. :25.3*C/42%
EUT :Dell Cast Adapter
Power Rating :DC 5V From PC Input AC 120V/60Hz
Test Mode :Tx Mode(WIFI)
M/N:BEL01

Data No :2
Engineer :Kevin_HMJ

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.18	9.87	43.21	53.26	66.00	12.74	QP
2	0.20970	0.18	9.88	39.13	49.19	63.22	14.03	QP
3	0.32910	0.20	9.88	30.55	40.63	59.47	18.84	QP
4	0.38880	0.21	9.88	29.24	39.33	58.09	18.76	QP
5	0.62760	0.26	9.89	19.76	29.91	56.00	26.09	QP
6	4.329	0.32	9.94	17.54	27.80	56.00	28.20	QP

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

4. RADIATED EMISSION TEST

4.1. Test Equipment

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

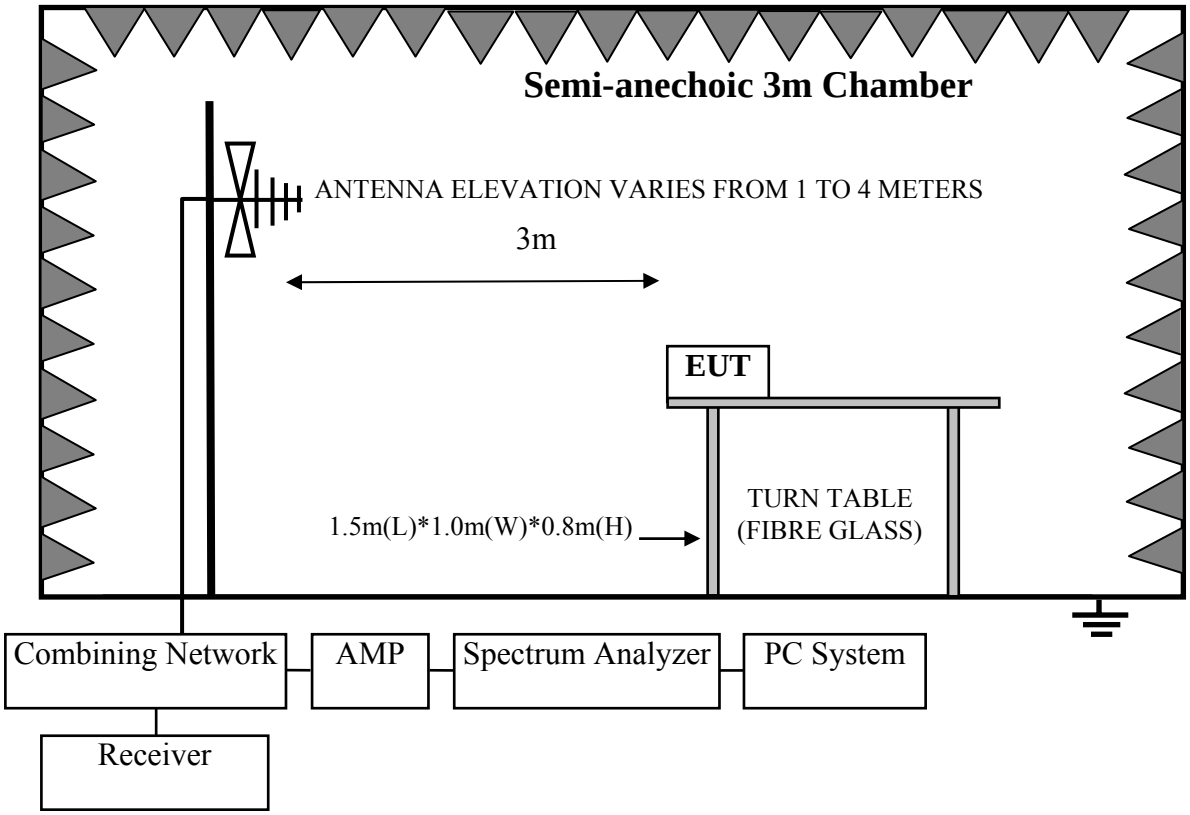
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Nov.24, 13	1 Year
2.	EMI Spectrum	Agilent	E4407B	MY41440292	Apr. 28,14	1 Year
3.	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Apr. 28,14	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr. 28,14	1 Year
5.	Bilog Antenna	Schaffner	CBL6111C	2598	Apr. 08,14	1 Year
6.	RF Cable	MIYAZAKI	CFD400-NL	3# Chamber No.1	Apr. 28,14	1 Year
7.	Coaxial Switch	Anritsu	MP59B	6200313662	Apr. 28,14	1 Year

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

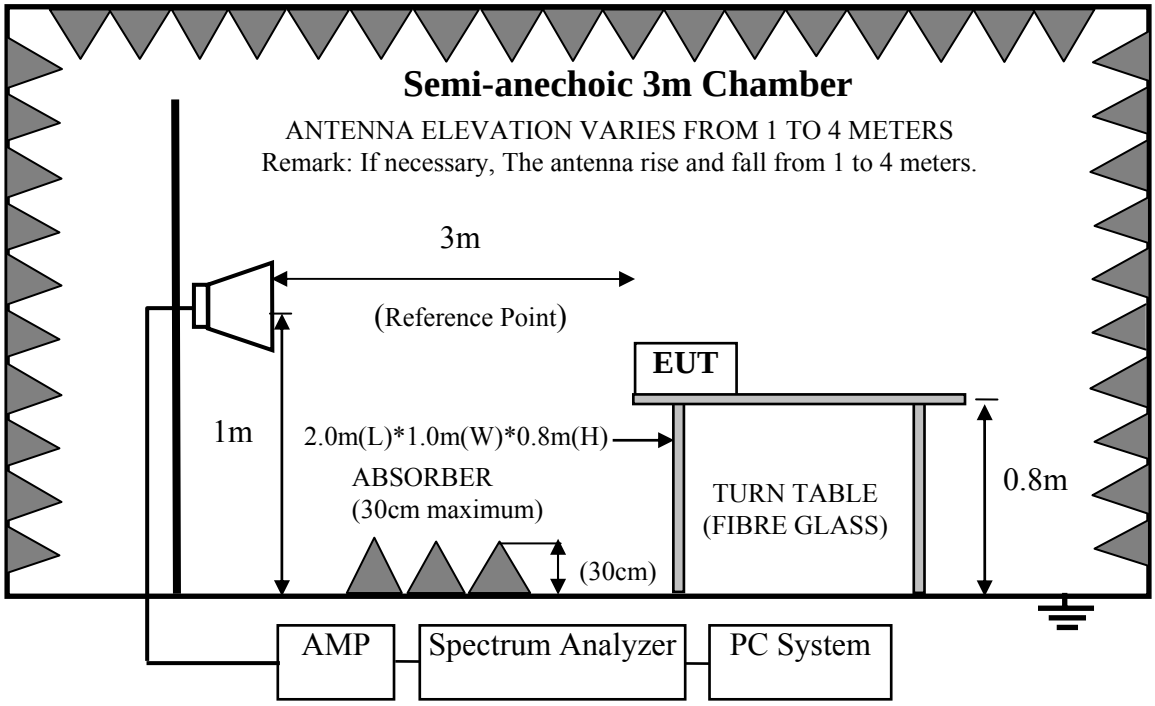
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	Apr. 28,14	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	Aug.27, 13	1 Year
3	Amplifier	Agilent	8449B	3008A02495	Apr. 28,14	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	Apr. 28,14	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX106	28616/2	Apr. 28,14	1 Year
6	Horn Antenna	EMCO	3116	00060089	Aug.27, 13	1 Year

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-40GHz



4.3.Radiated Emission Limit

For transmitters operating in the 5.15-5.25 GHz; 5.25-5.35GHz; 5.47-5.725GHz band: all emissions outside of those
band shall not exceed an EIRP of -27 dBm/MHz.
Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209

4.3.1. 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark： (1) Emission level dBμV = 20 log Emission level μV/m
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2. 15.205 Restricted bands of operation

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

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.
For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

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

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

(1).The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.

(2).The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.

(3). A signal which have the same frequency obtained in step 2 was fed to the substitution,the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.

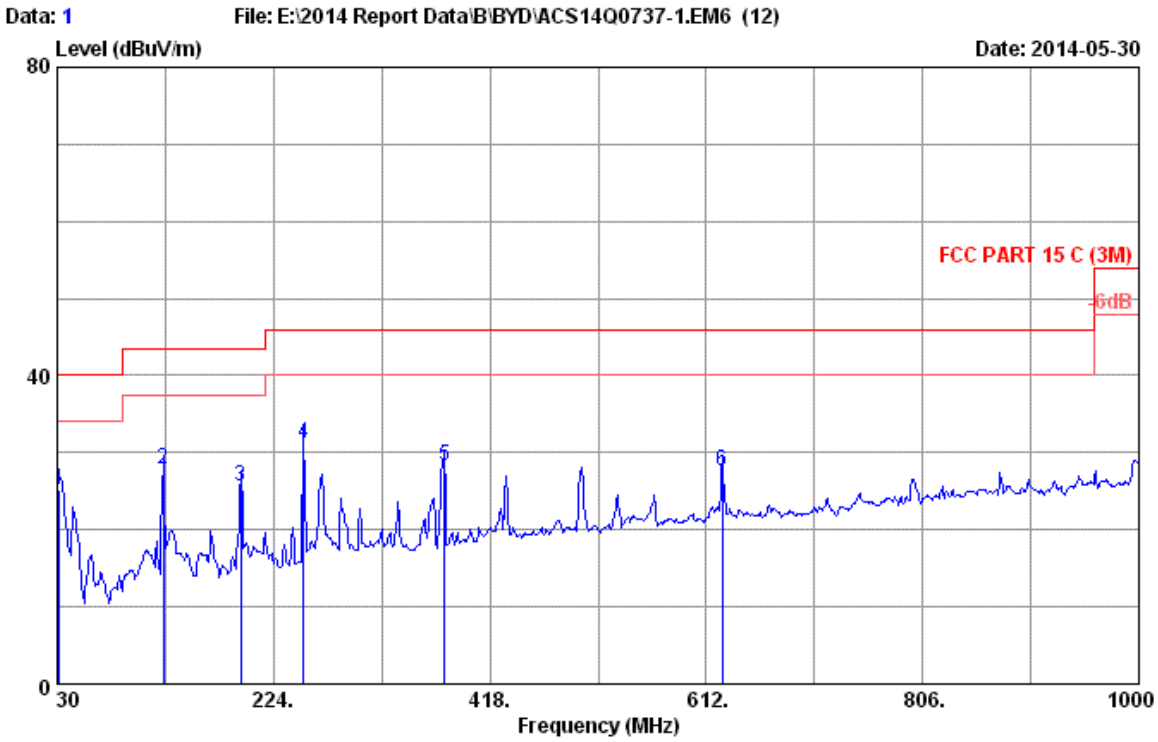
(4).Repeated step 4 with both antenna polarizations

(5).The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna.
(6).Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuv/m)-95.2 Get the result of all unwanted emission outside the restricted band is less than the -27dBm/MHz.

4.7.Radiated Emission Test Results

PASS.
All the emissions from 30MHz to 1 GHz were comply with 15.209 limits.
No any emissions were found from 18GHz to 40GHz, So the Radiated emissions from 18GHz to 40GHz were not record.
All other emission comply with 15.407 (b)(1) requirements.

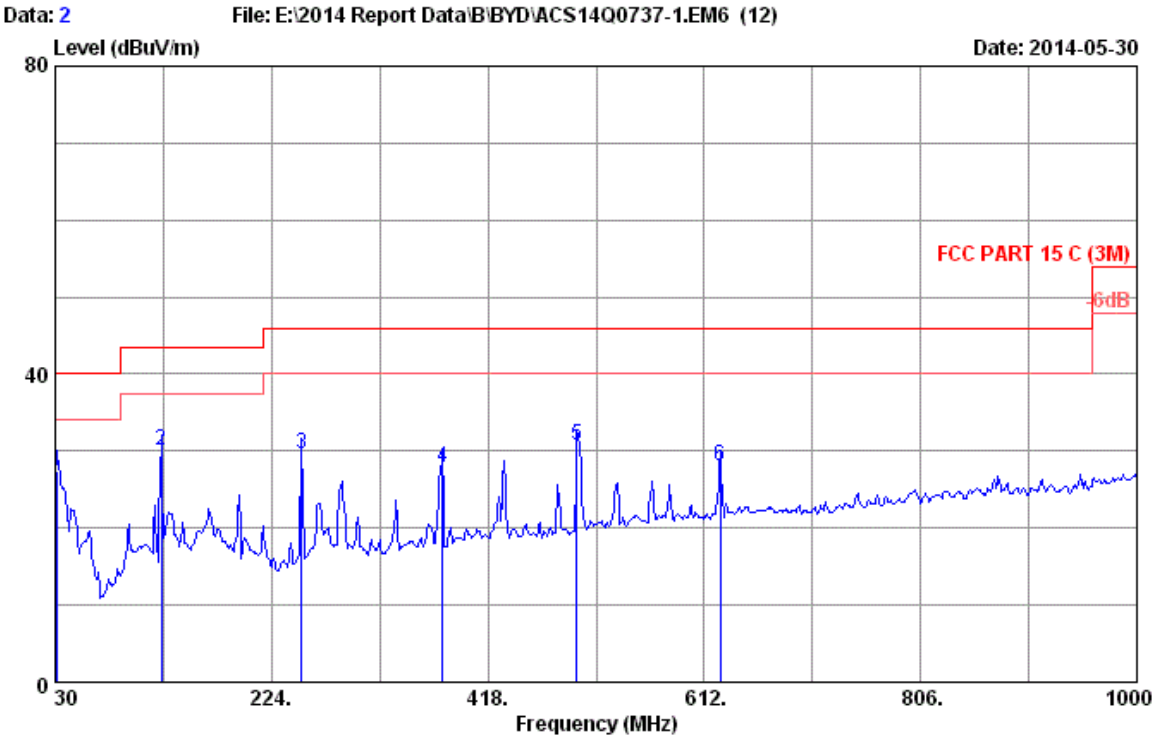
Band 1(5150-5250MHz):
Frequency: 30MHz~1GHz




```
Site no.      : 3m Chamber                    Data no.   : 1
Dis. / Ant.   : 3m   2013 CBL6112D 35375      Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15 C (3M)
Env. / Ins.   : 22.5*C/47%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power rating  : DC 5V From PC Input AC 120V/60Hz
 Test Mode    : Tx Mode(WIFI)
                M/N:BEL01
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.94	18.84	0.86	5.50	25.20	40.00	14.80	QP
2	125.06	12.90	1.51	13.34	27.75	43.50	15.75	QP
3	194.90	9.89	1.77	13.96	25.62	43.50	17.88	QP
4	251.16	13.16	1.98	16.08	31.22	46.00	14.78	QP
5	377.26	15.85	2.39	10.15	28.39	46.00	17.61	QP
6	626.55	19.53	3.11	4.97	27.61	46.00	18.39	QP

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

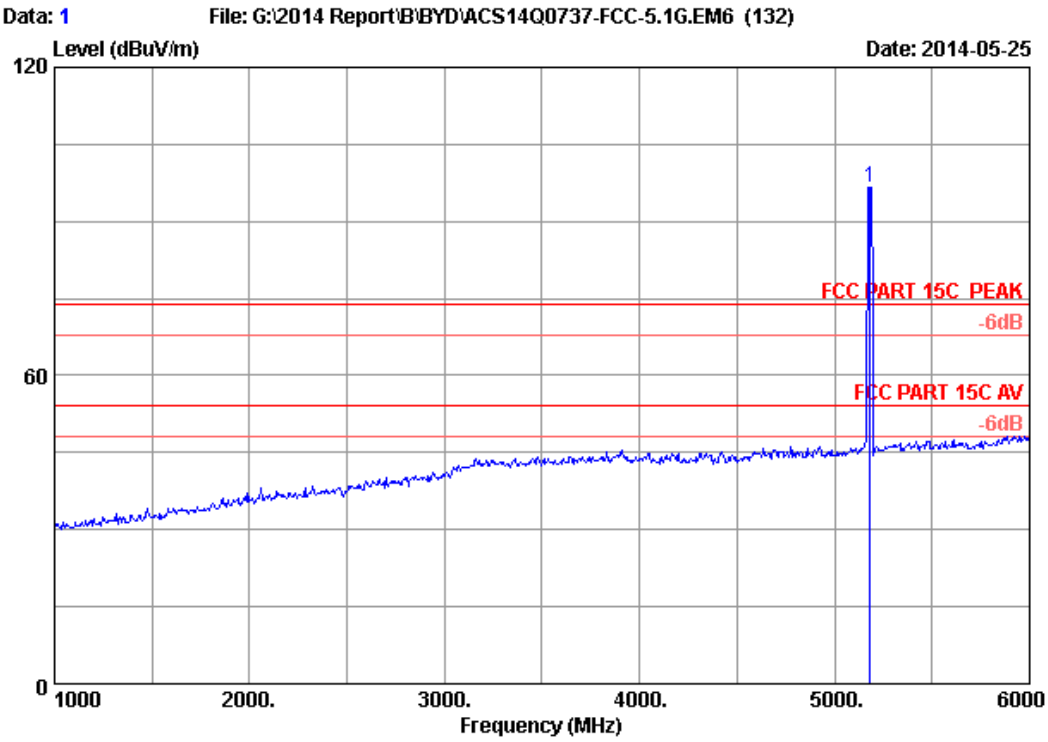


Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2013 CBL6112D 35375 Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 22.5*C/47% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : Tx Mode(WIFI)
M/N:BELO1

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.94	18.84	0.86	7.81	27.51	40.00	12.49	QP
2	125.06	12.90	1.51	15.58	29.99	43.50	13.51	QP
3	251.16	13.16	1.98	14.53	29.67	46.00	16.33	QP
4	377.26	15.85	2.39	9.67	27.91	46.00	18.09	QP
5	497.54	17.95	2.74	10.09	30.78	46.00	15.22	QP
6	626.55	19.53	3.11	5.34	27.98	46.00	18.02	QP

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

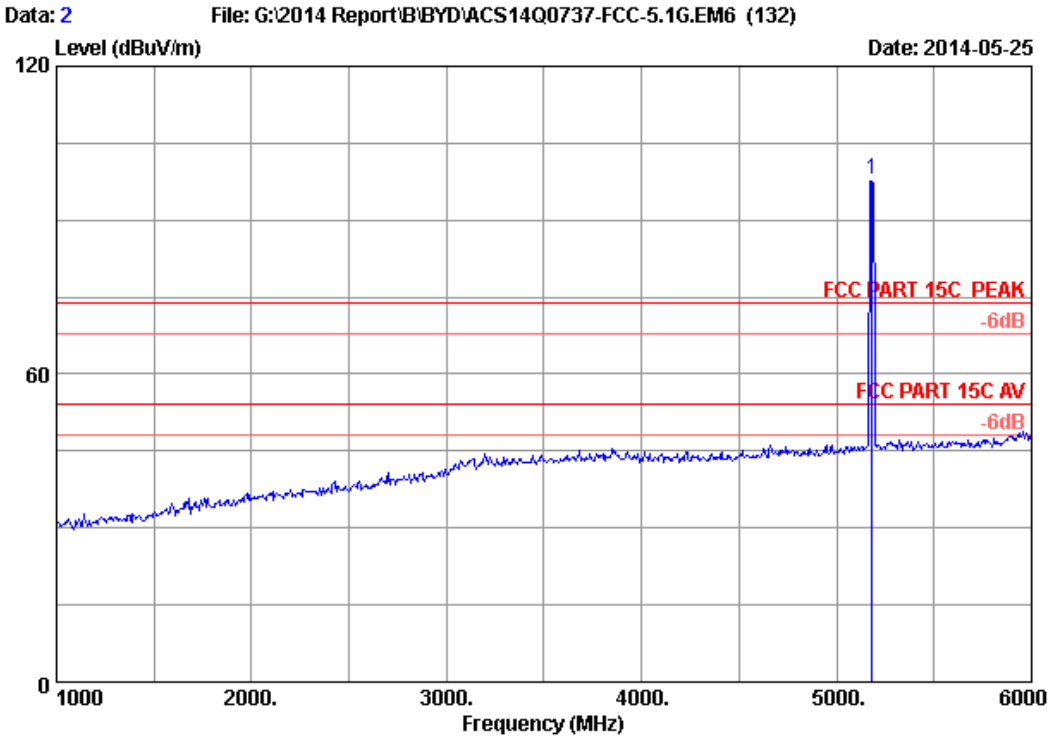
Band 1(5150-5250MHz):
Frequency: 1GHz~18GHz



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	89.78	96.52	74.00	-22.52	Peak

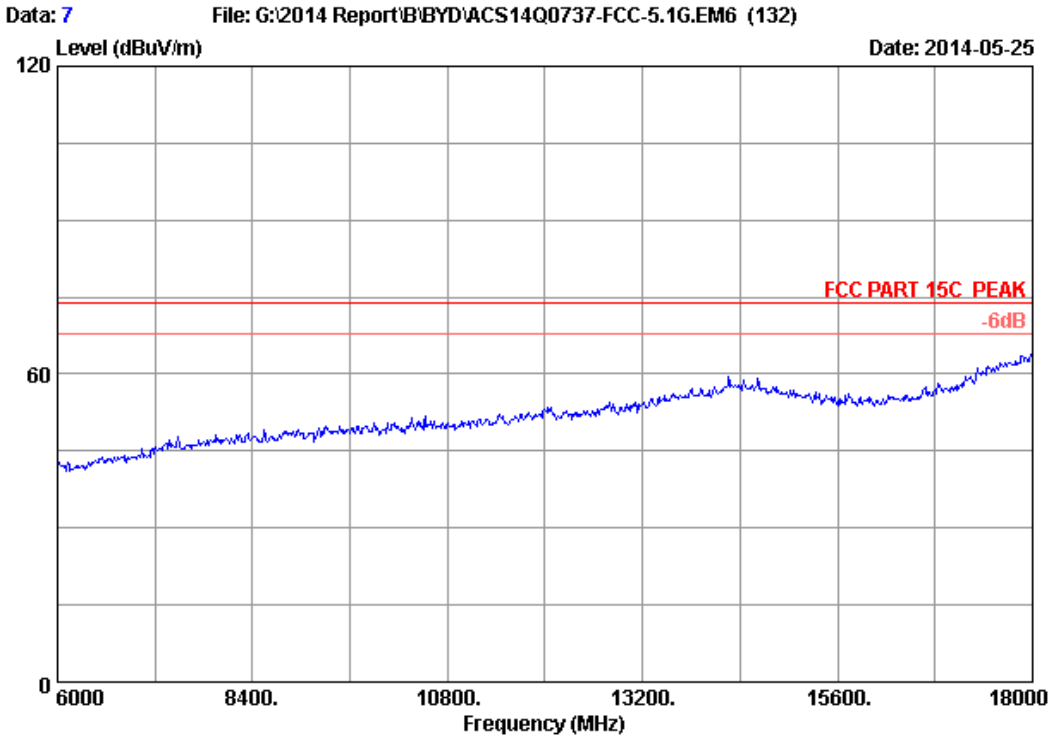
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



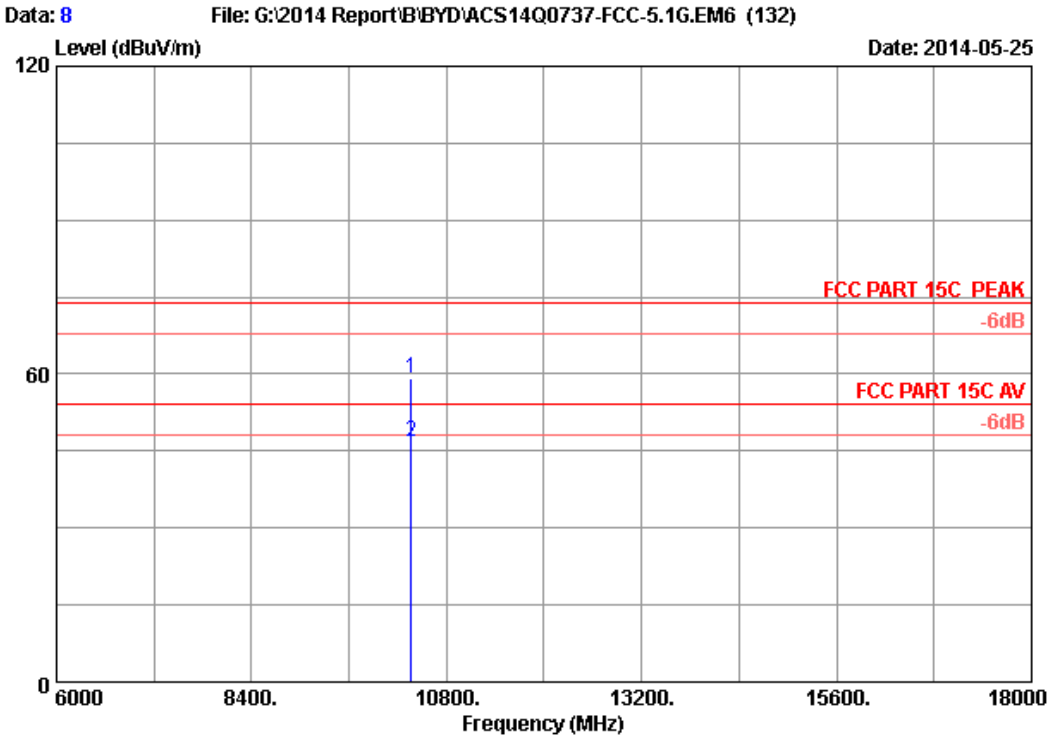
Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	91.24	97.98	74.00	-23.98	Peak

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



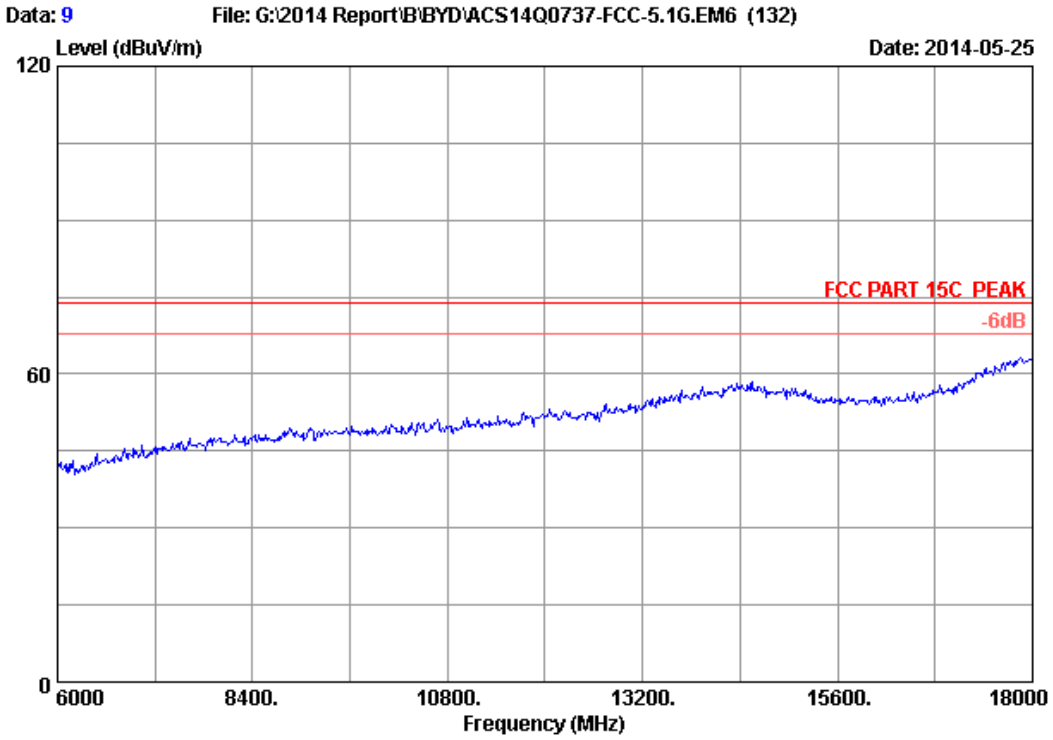

```
Site no.      : 3m Chamber                    Data no.  : 7
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH36  5180MHz  Tx
M/N           : BEL01
```



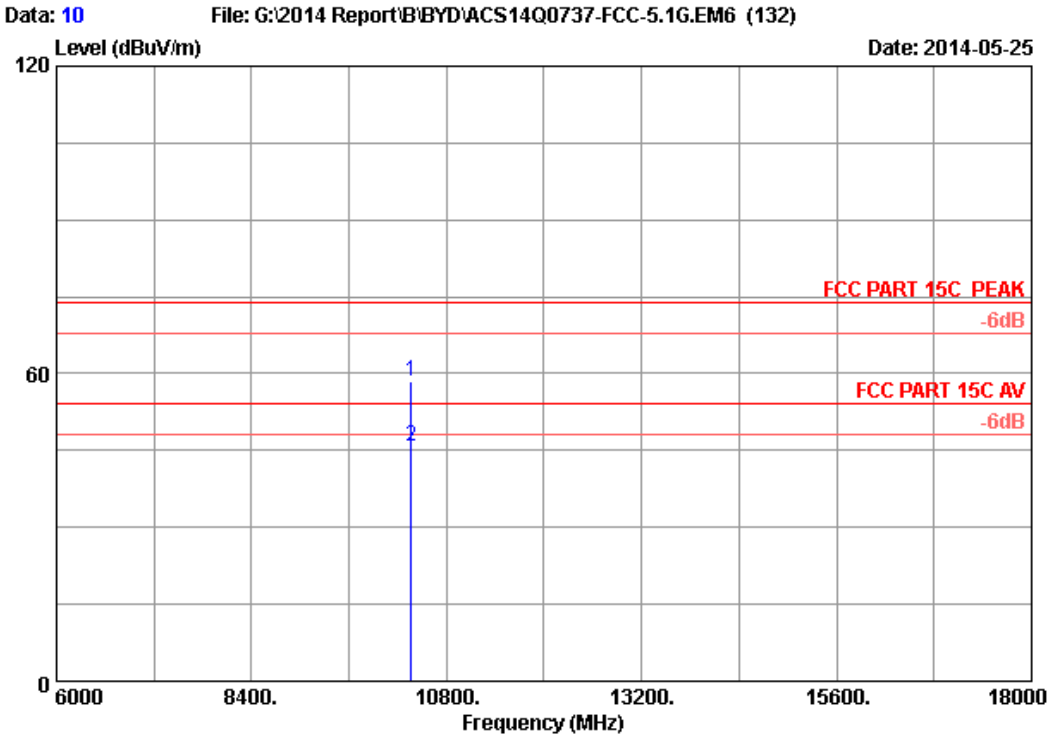
Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	43.69	59.02	74.00	14.98	Peak
2	10360.000	38.14	12.64	35.45	31.33	46.66	54.00	7.34	Average

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



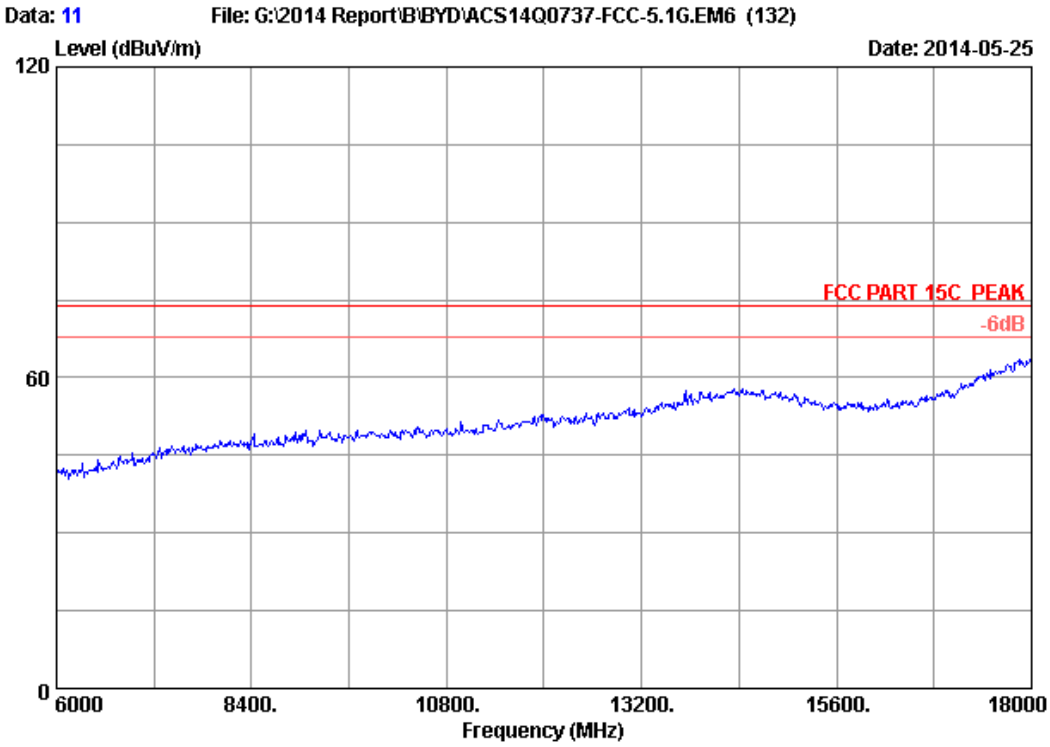

```
Site no.      : 3m Chamber                    Data no.  : 9
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH36  5180MHz  Tx
M/N           : BEL01
```



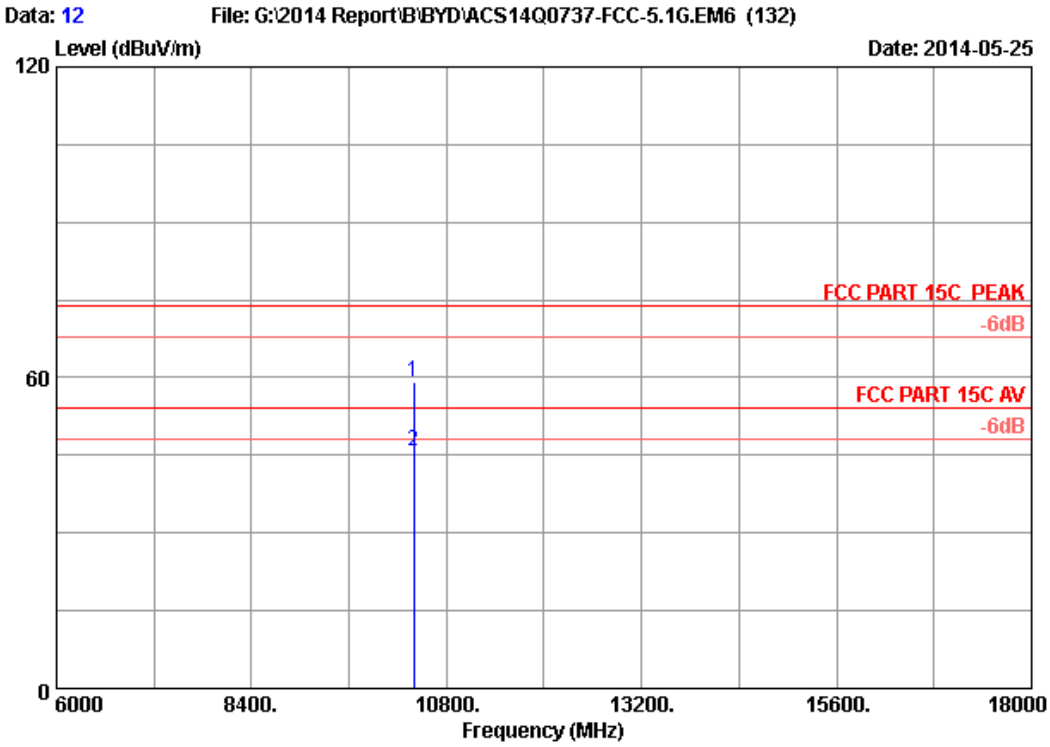
Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	43.15	58.48	74.00	15.52	Peak
2	10360.000	38.14	12.64	35.45	30.54	45.87	54.00	8.13	Average

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



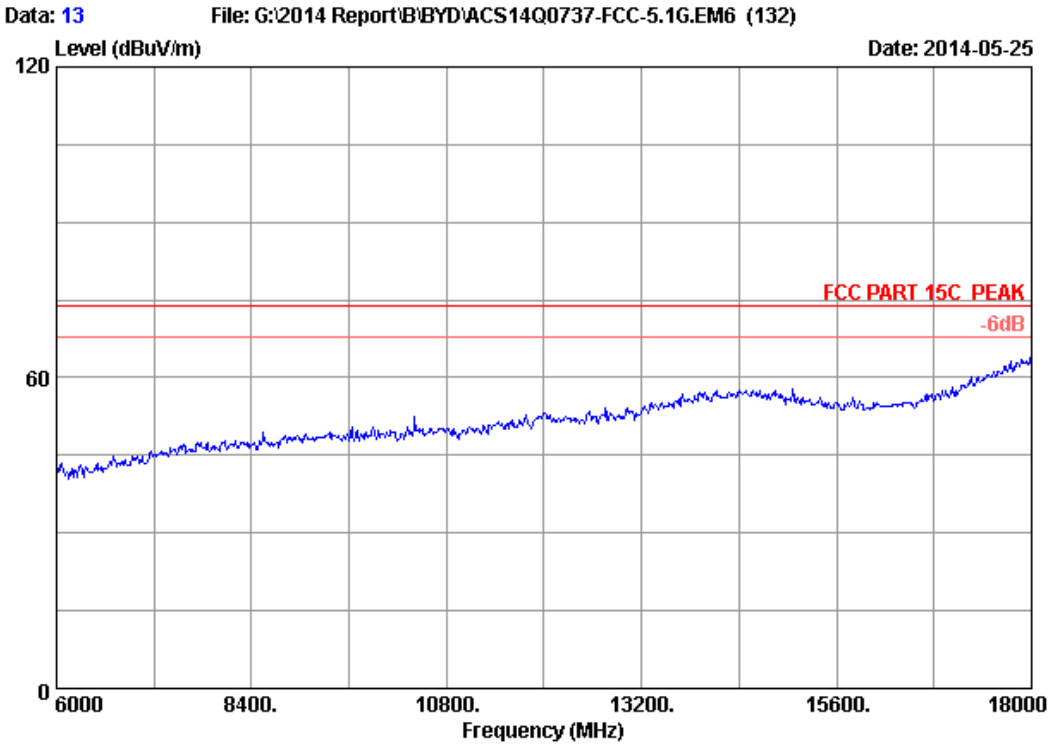

```
Site no.      : 3m Chamber                      Data no.   : 11
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH40  5200MHz  Tx
M/N           : BEL01
```



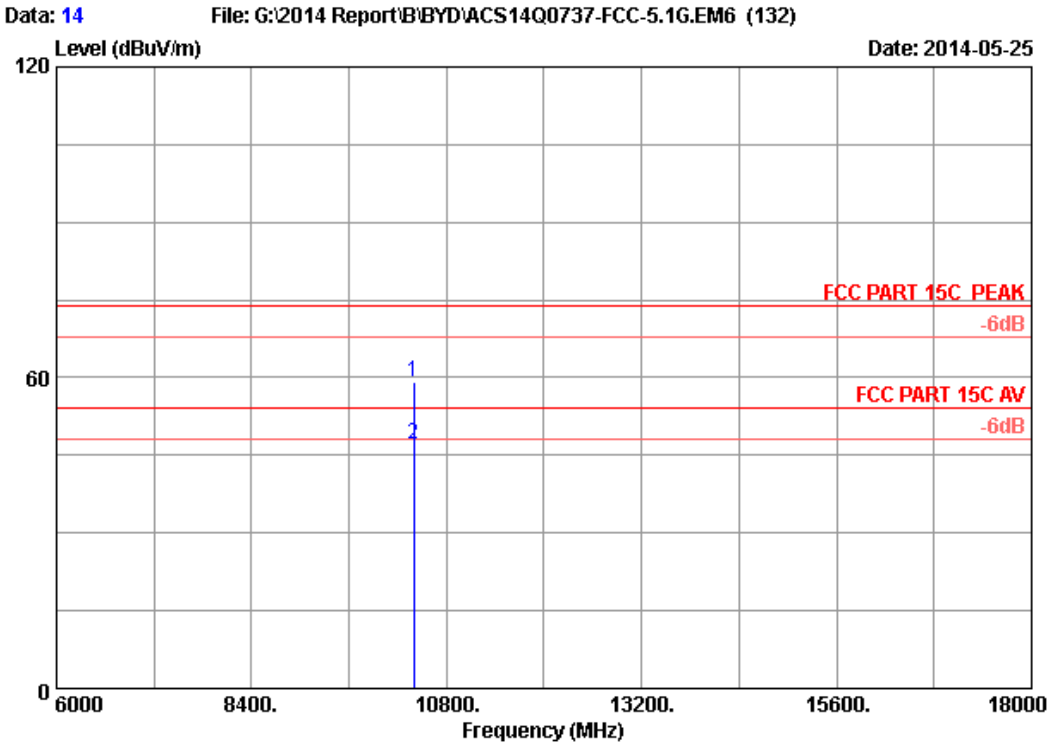
Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	43.71	59.09	74.00	14.91	Peak
2	10400.000	38.16	12.66	35.44	30.38	45.76	54.00	8.24	Average

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



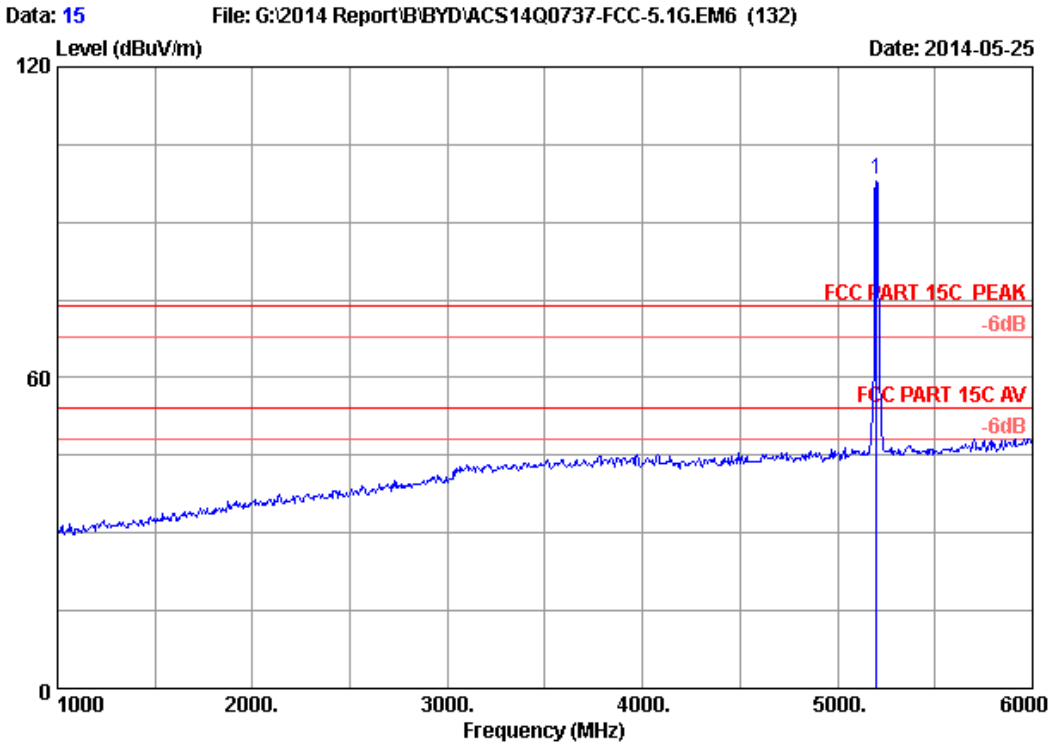

```
Site no.      : 3m Chamber                      Data no.   : 13
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH40  5200MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	43.66	59.04	74.00	14.96	Peak
2	10400.000	38.16	12.66	35.44	31.75	47.13	54.00	6.87	Average

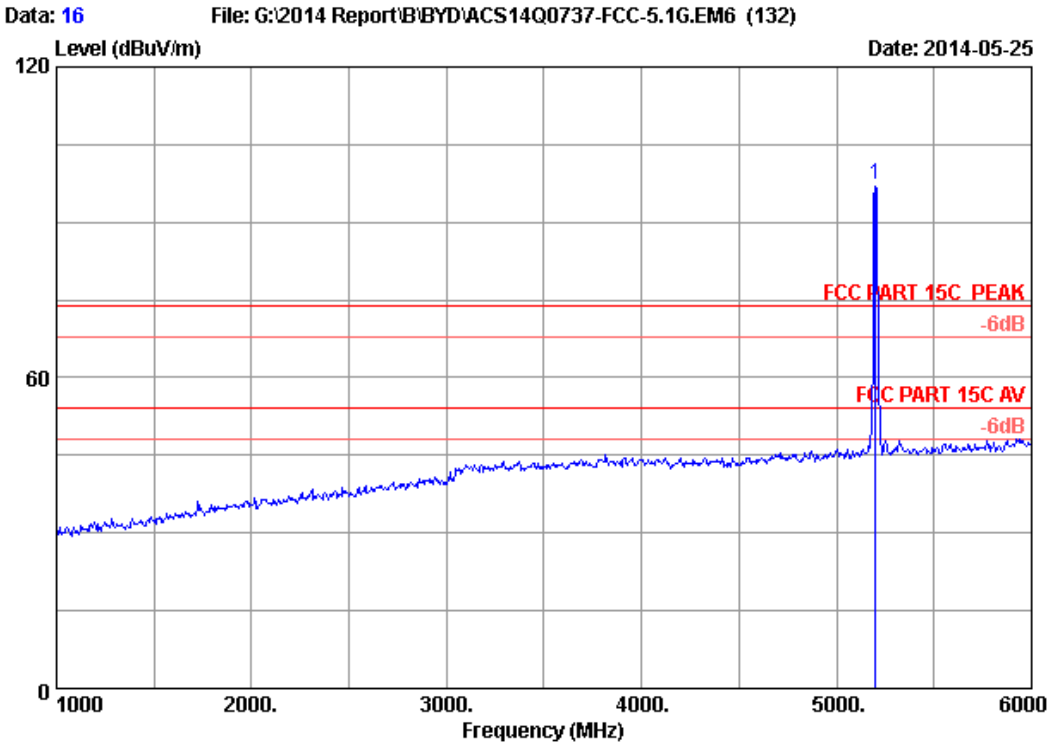
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	91.34	98.13	74.00	-24.13	Peak

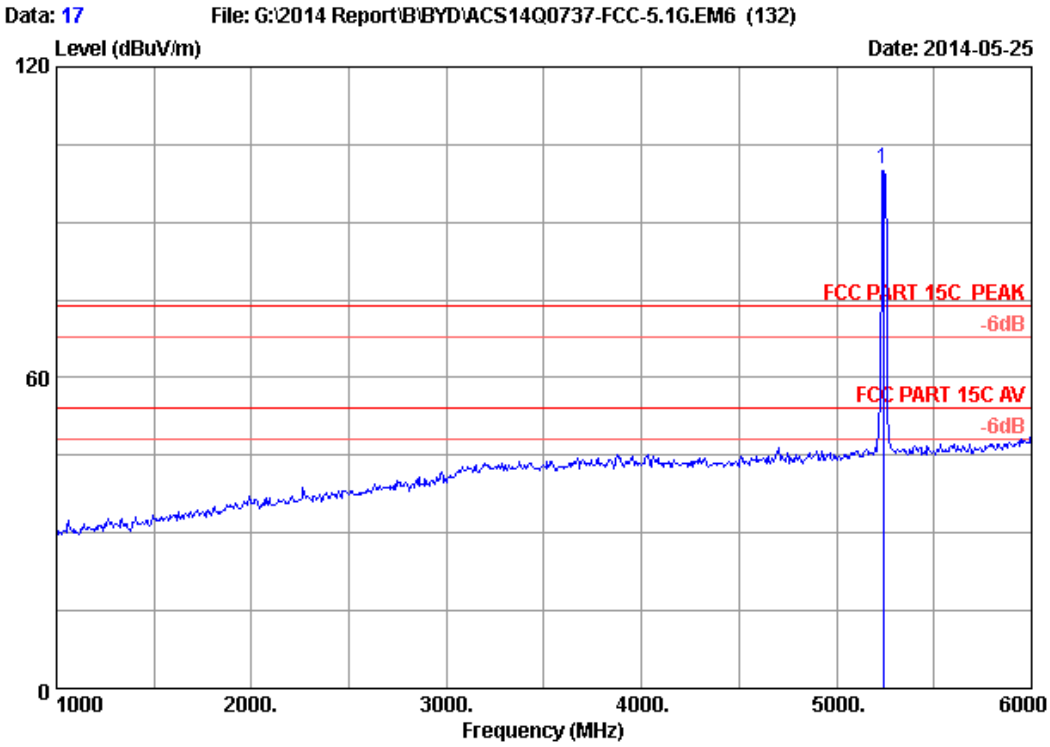
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	90.48	97.27	74.00	-23.27	Peak

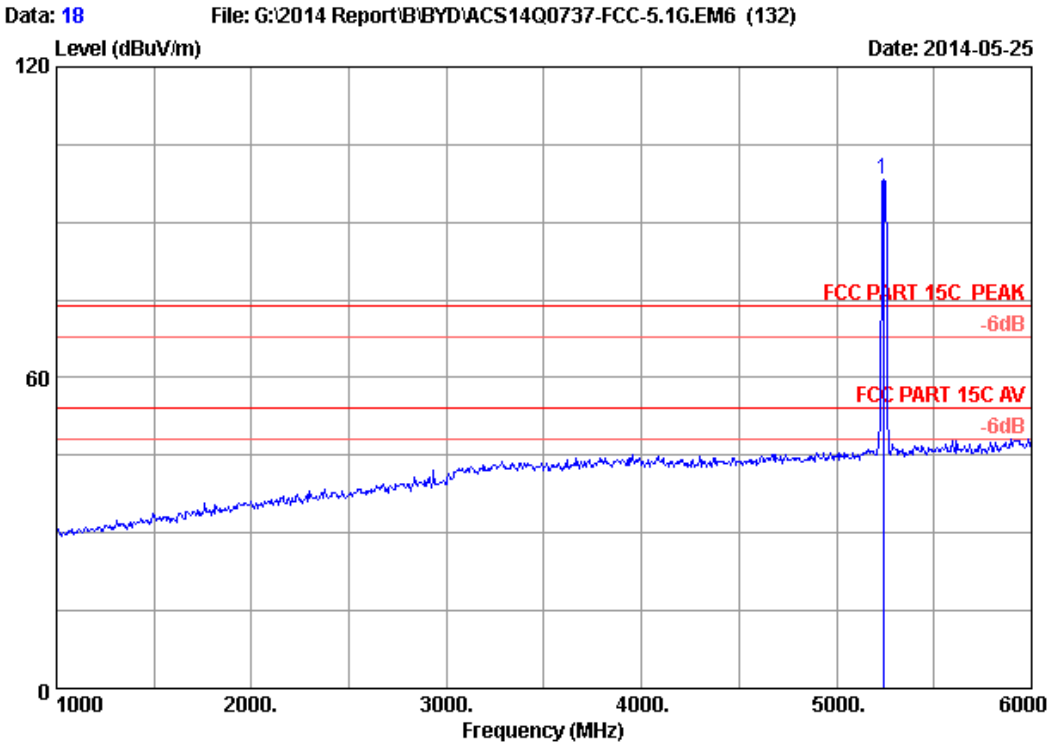
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	93.47	100.37	74.00	-26.37	Peak

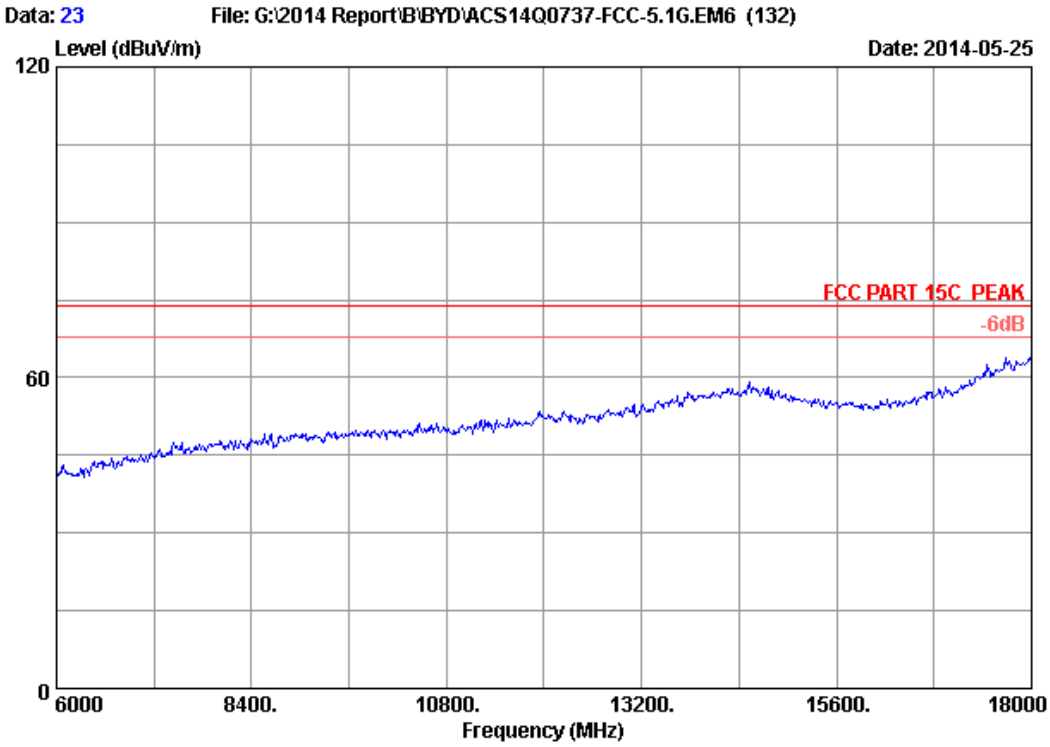
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



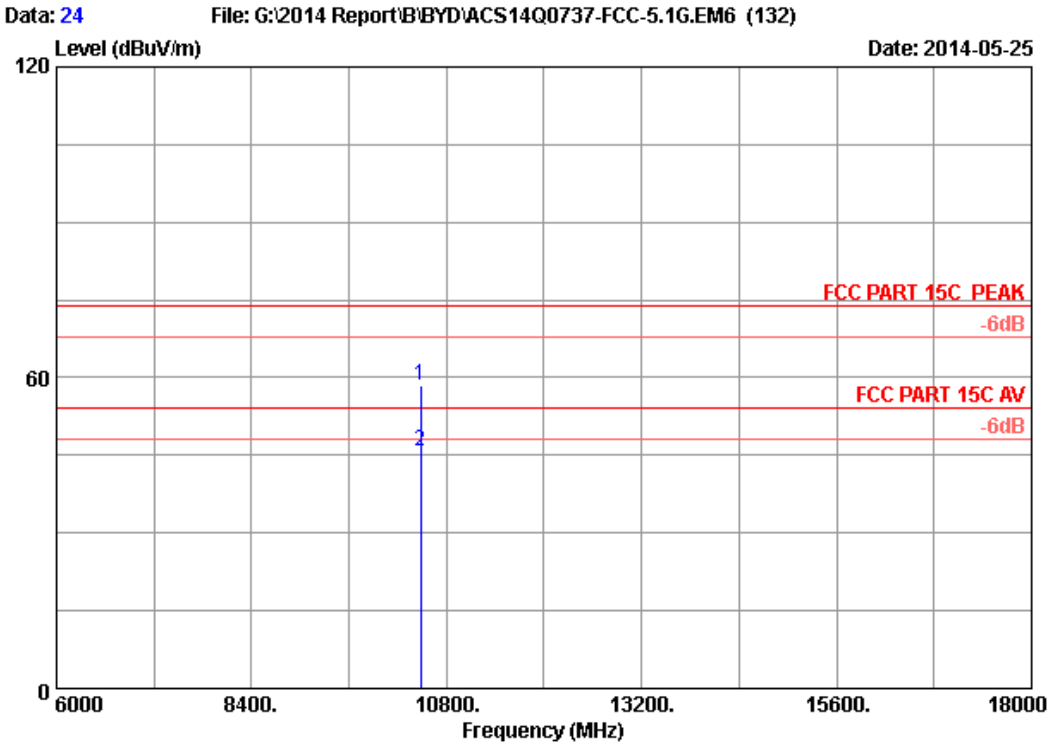
Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	91.35	98.25	74.00	-24.25	Peak

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



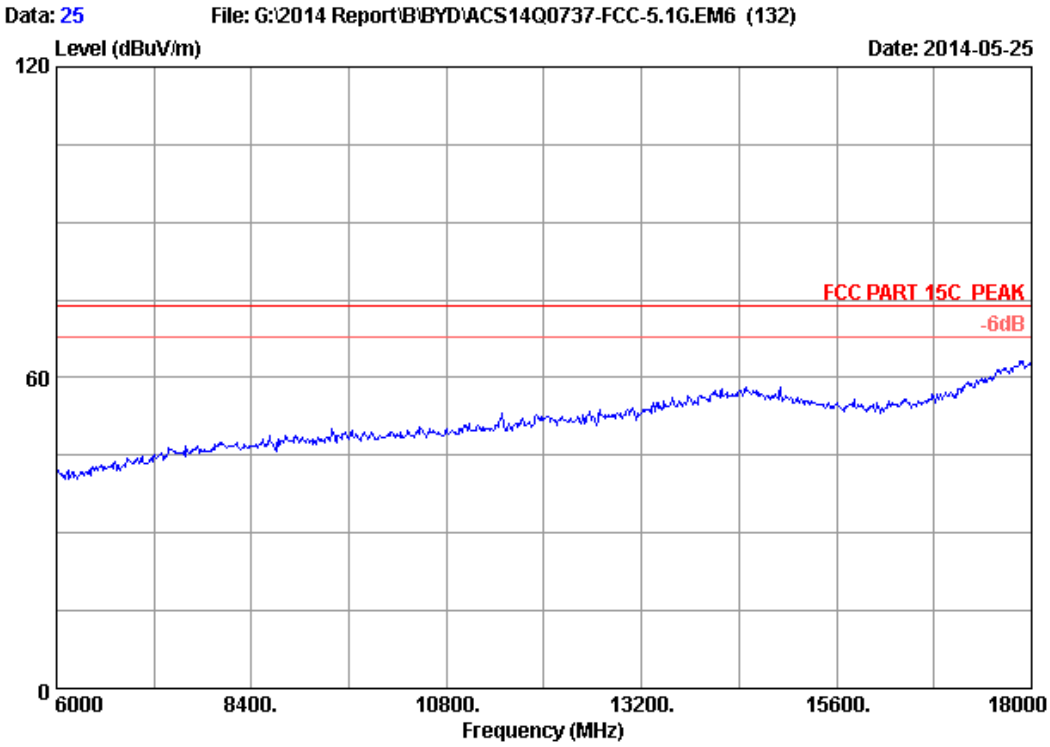

```
Site no.      : 3m Chamber                      Data no.   : 23
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH48  5240MHz  Tx
M/N           : BEL01
```



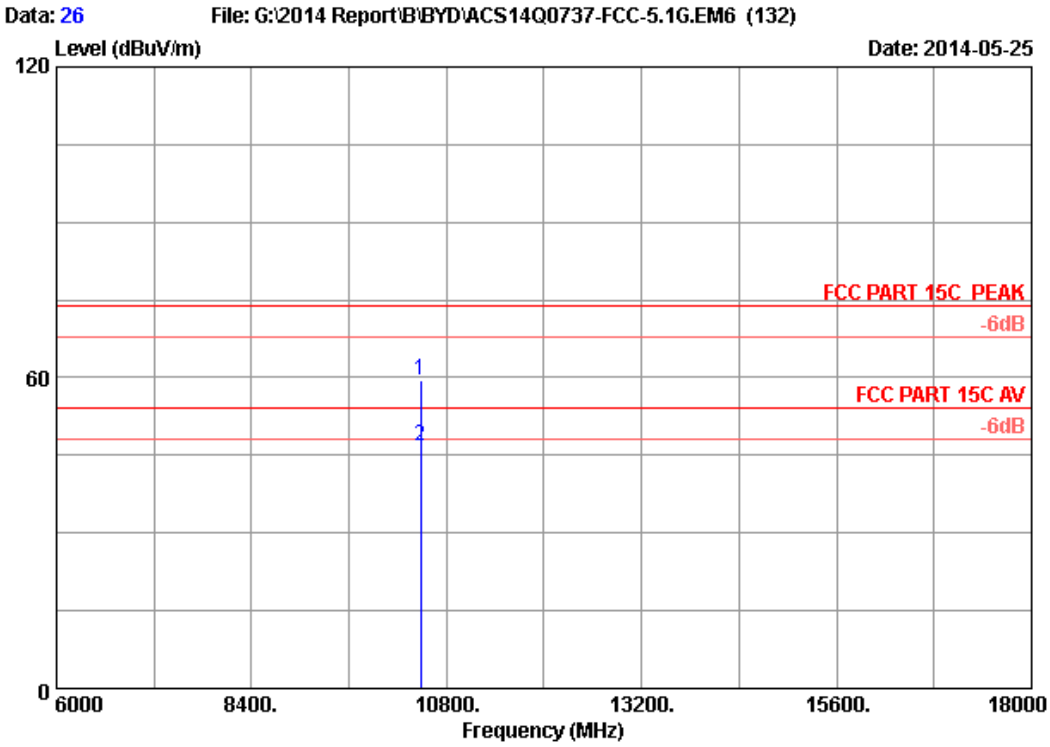
Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	43.07	58.53	74.00	15.47	Peak
2	10480.000	38.19	12.70	35.43	30.29	45.75	54.00	8.25	Average

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



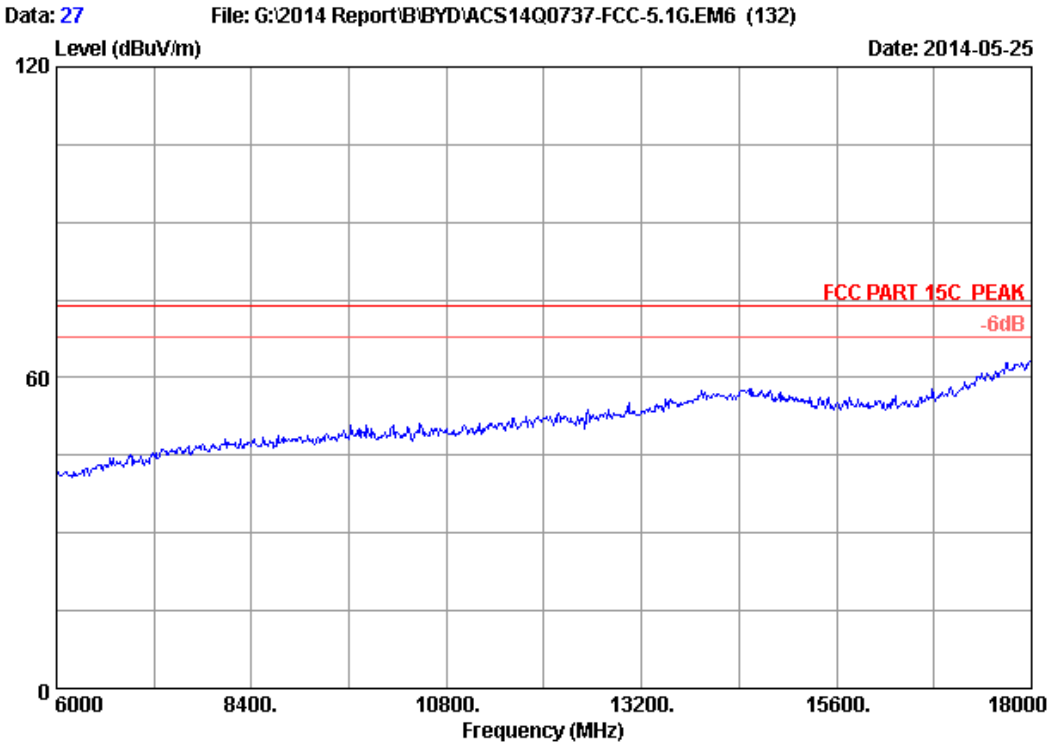

```
Site no.      : 3m Chamber                      Data no.   : 25
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11a  CH48  5240MHz  Tx
M/N           : BEL01
```



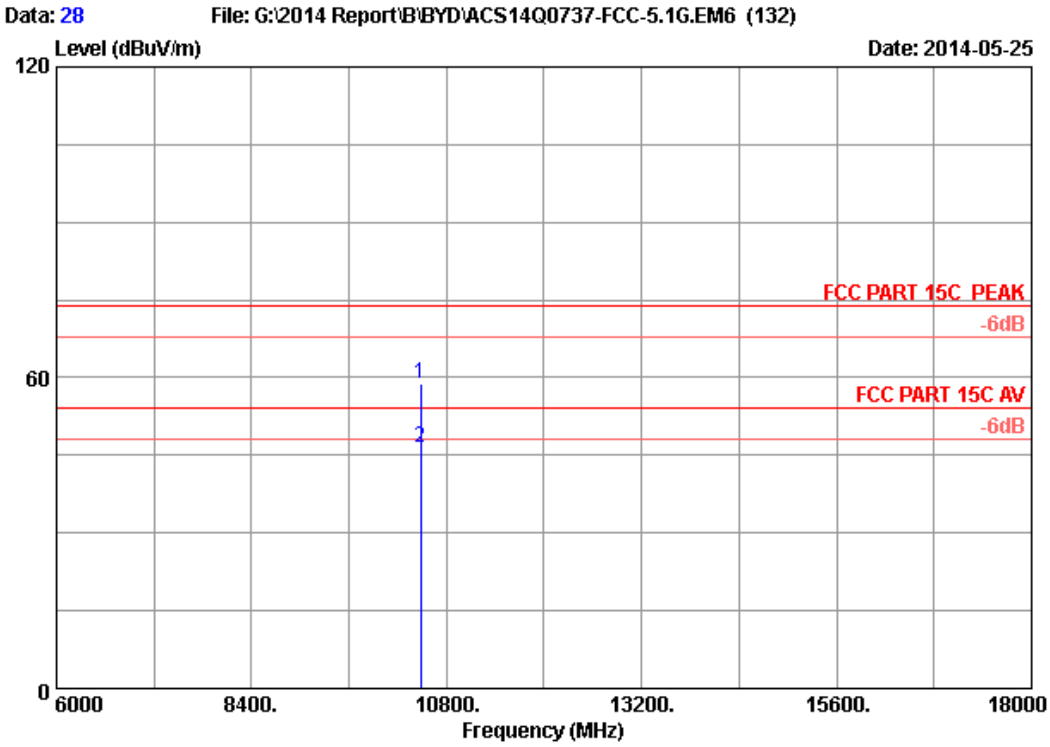
Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	43.89	59.35	74.00	14.65	Peak
2	10480.000	38.19	12.70	35.43	31.25	46.71	54.00	7.29	Average

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



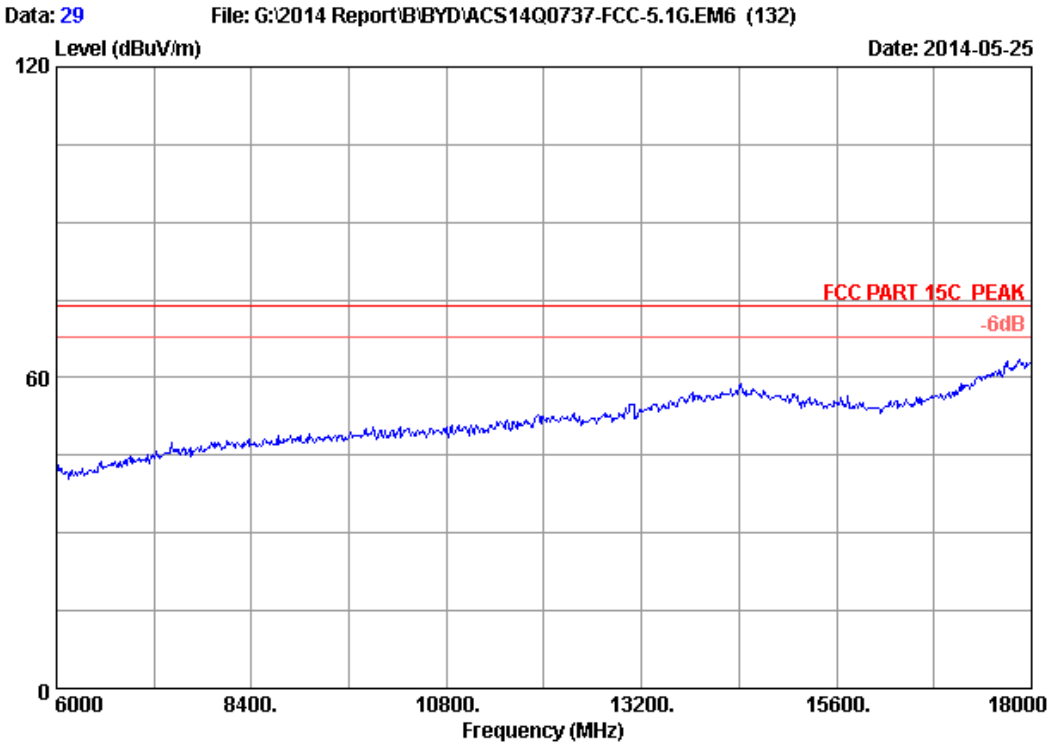

```
Site no.      : 3m Chamber                      Data no.   : 27
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH48  5240MHz  Tx
M/N           : BEL01
```



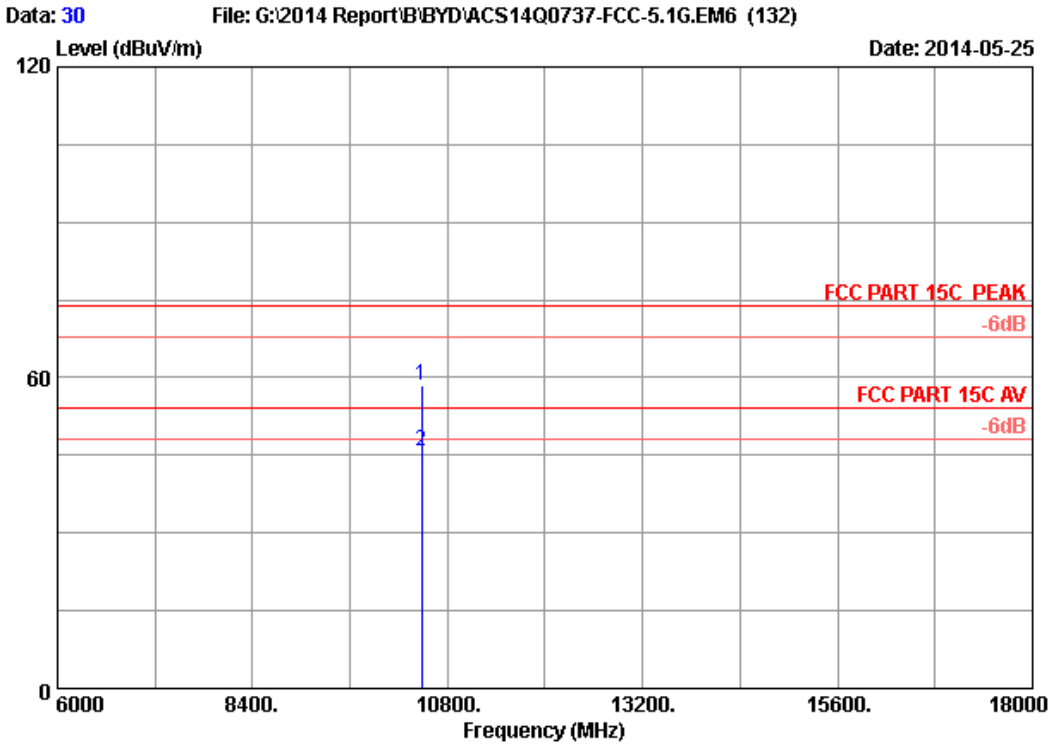
Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	43.21	58.67	74.00	15.33	Peak
2	10480.000	38.19	12.70	35.43	31.13	46.59	54.00	7.41	Average

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



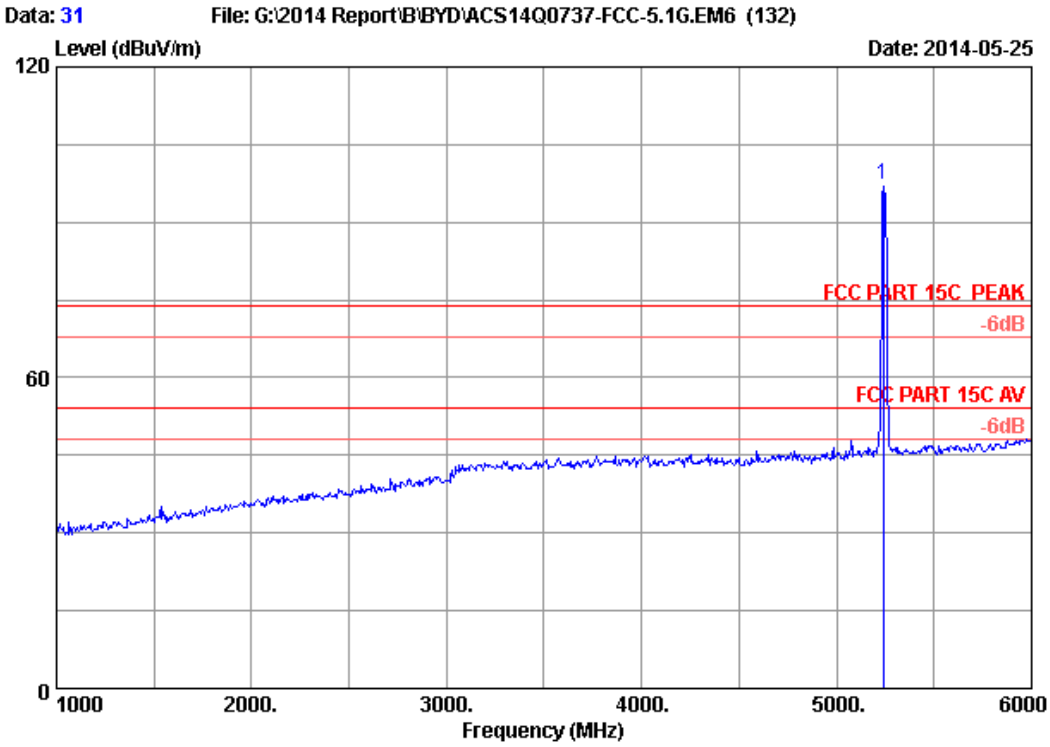

```
Site no.      : 3m Chamber                      Data no.   : 29
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH48  5240MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	42.96	58.42	74.00	15.58	Peak
2	10480.000	38.19	12.70	35.43	30.37	45.83	54.00	8.17	Average

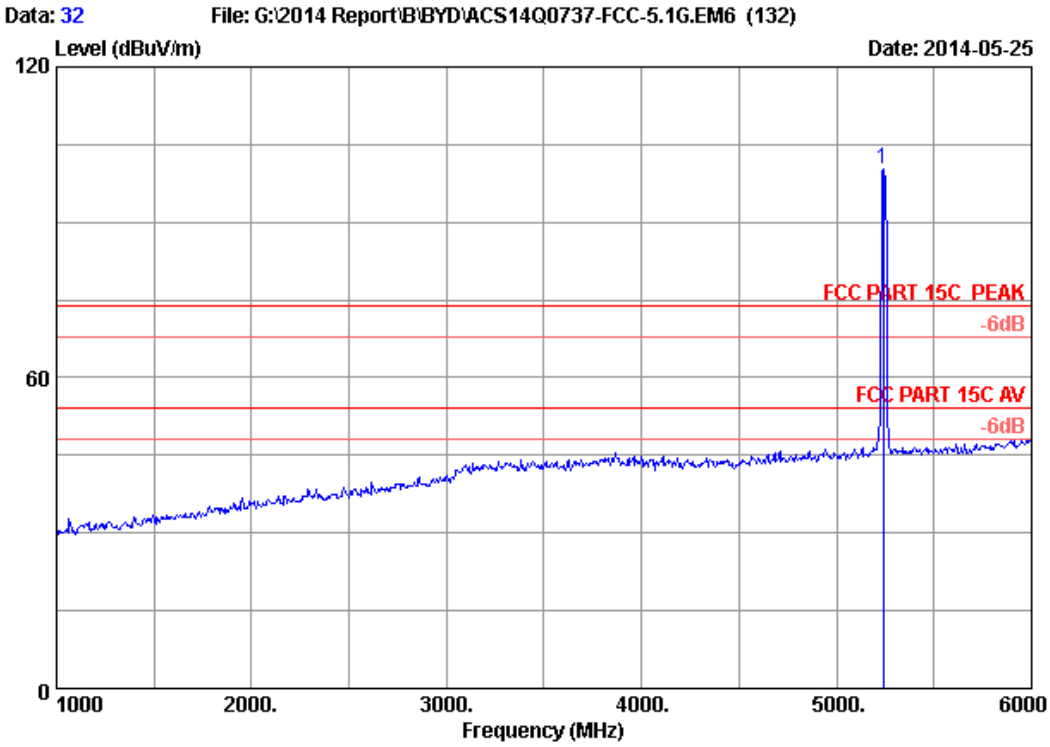
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	90.22	97.12	74.00	-23.12	Peak

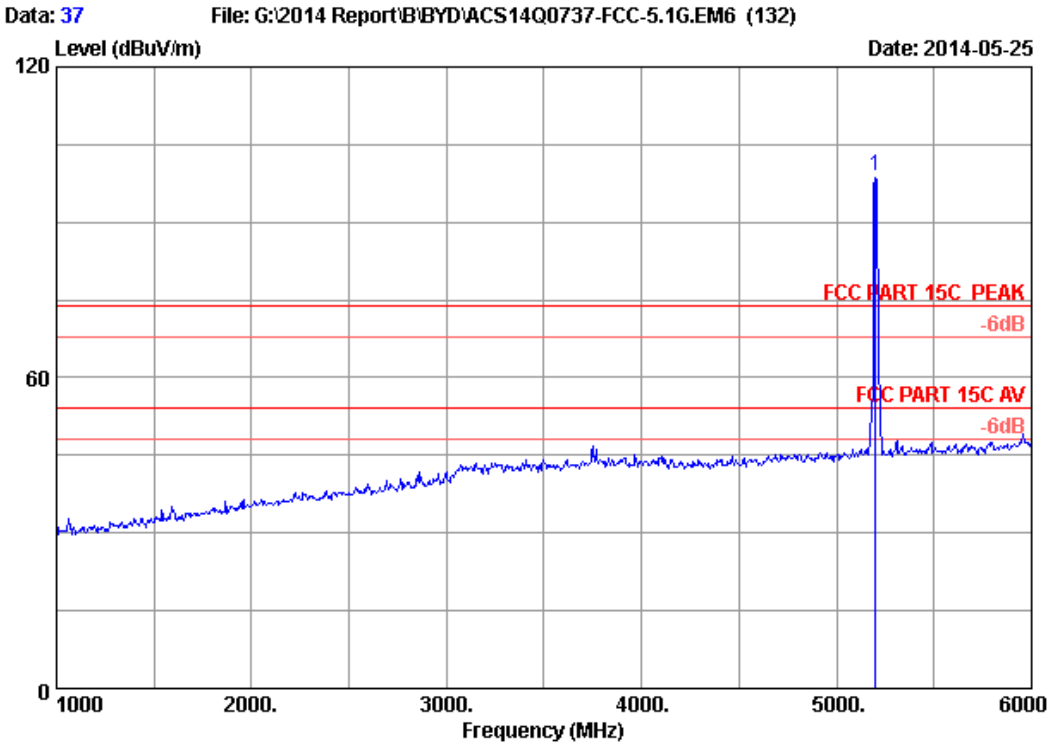
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	93.51	100.41	74.00	-26.41	Peak

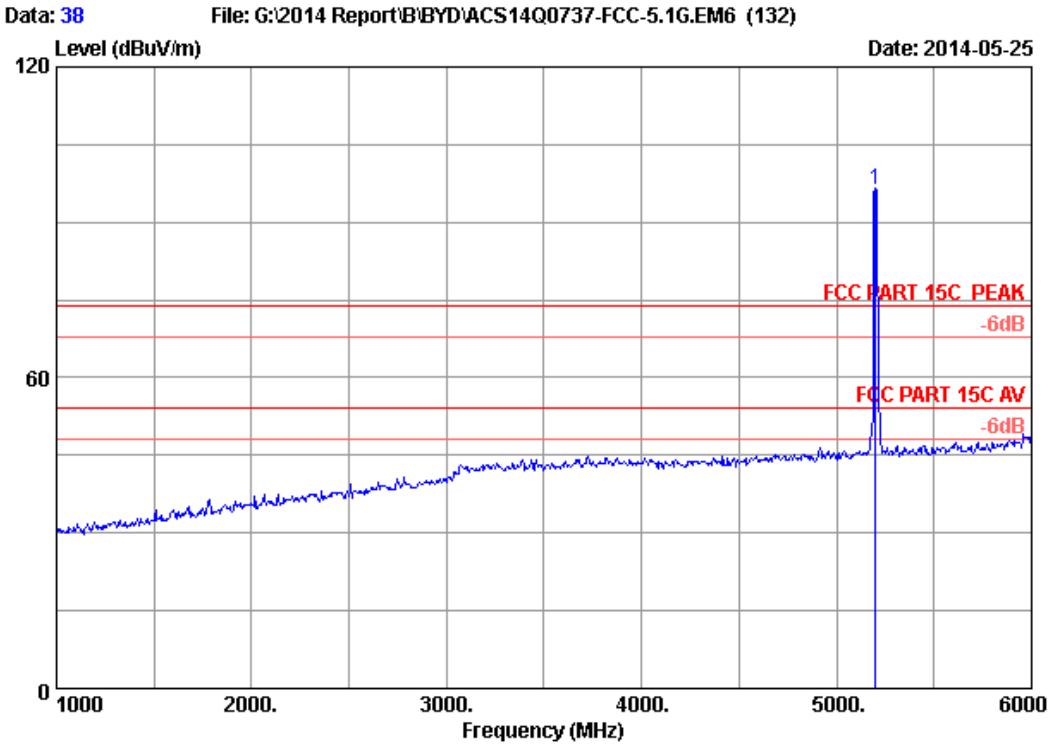
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	92.30	99.09	74.00	-25.09	Peak

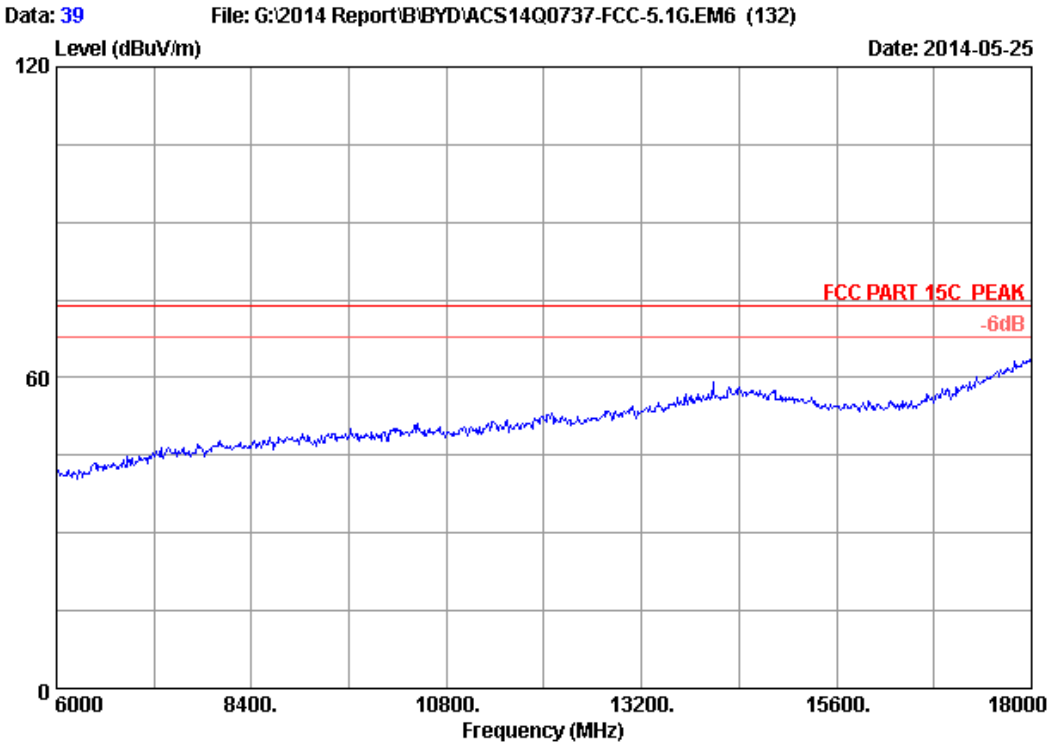
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



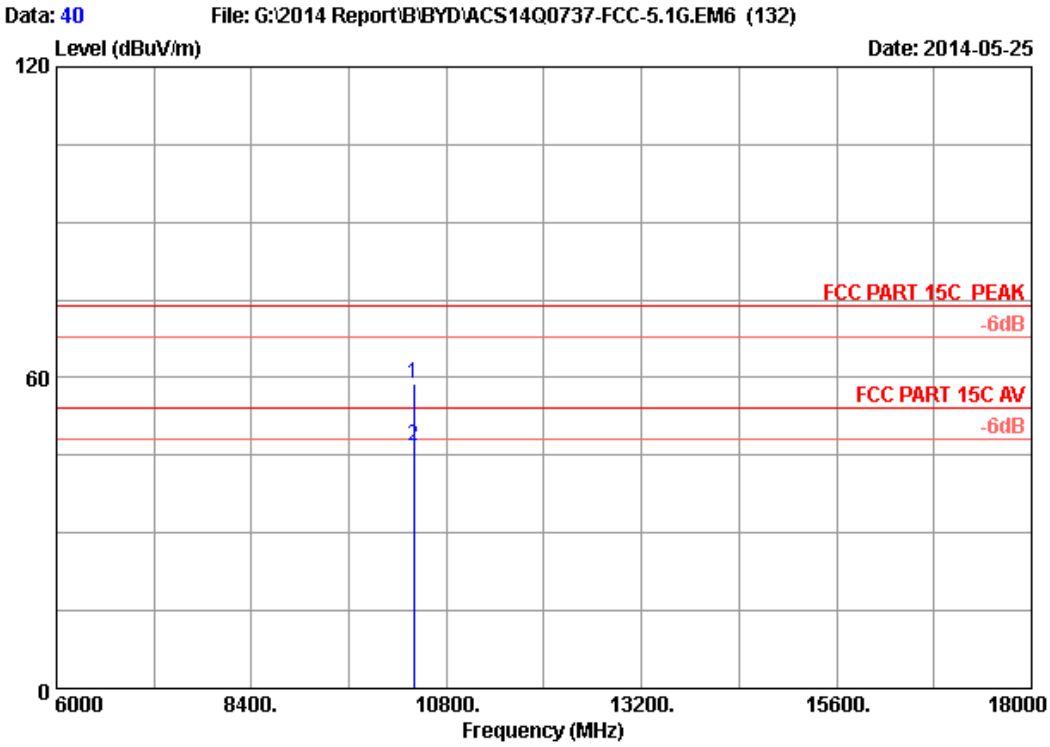
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	89.60	96.39	74.00	-22.39	Peak

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



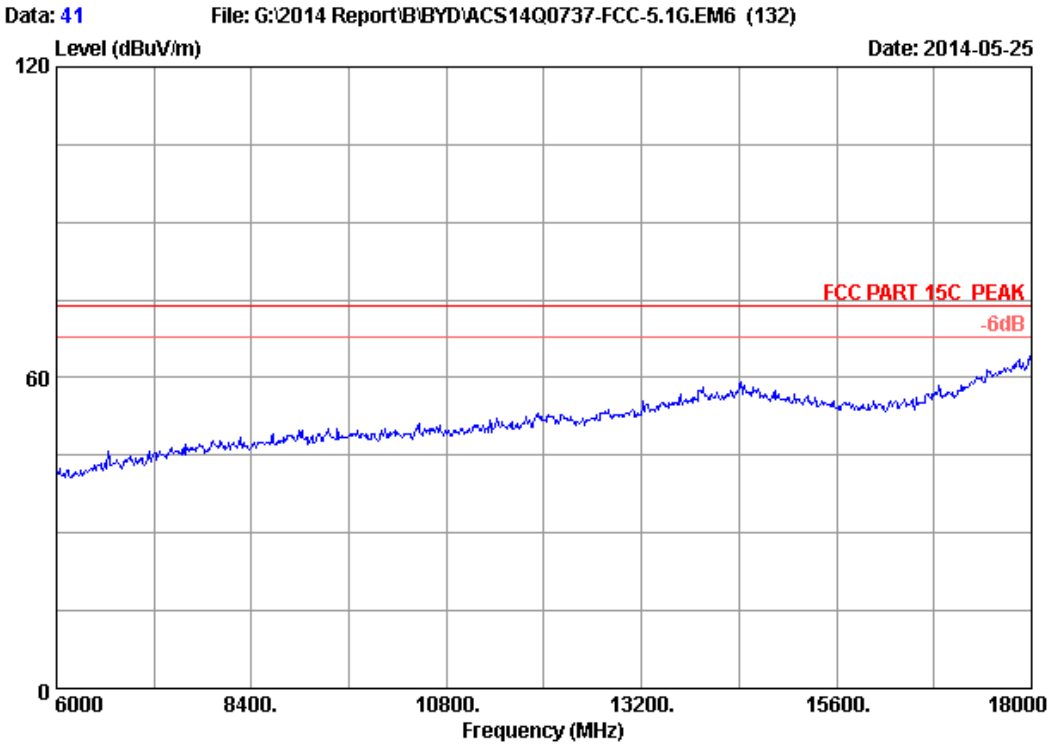

```
Site no.      : 3m Chamber                      Data no.  : 39
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH40  5200MHz  Tx
M/N           : BEL01
```



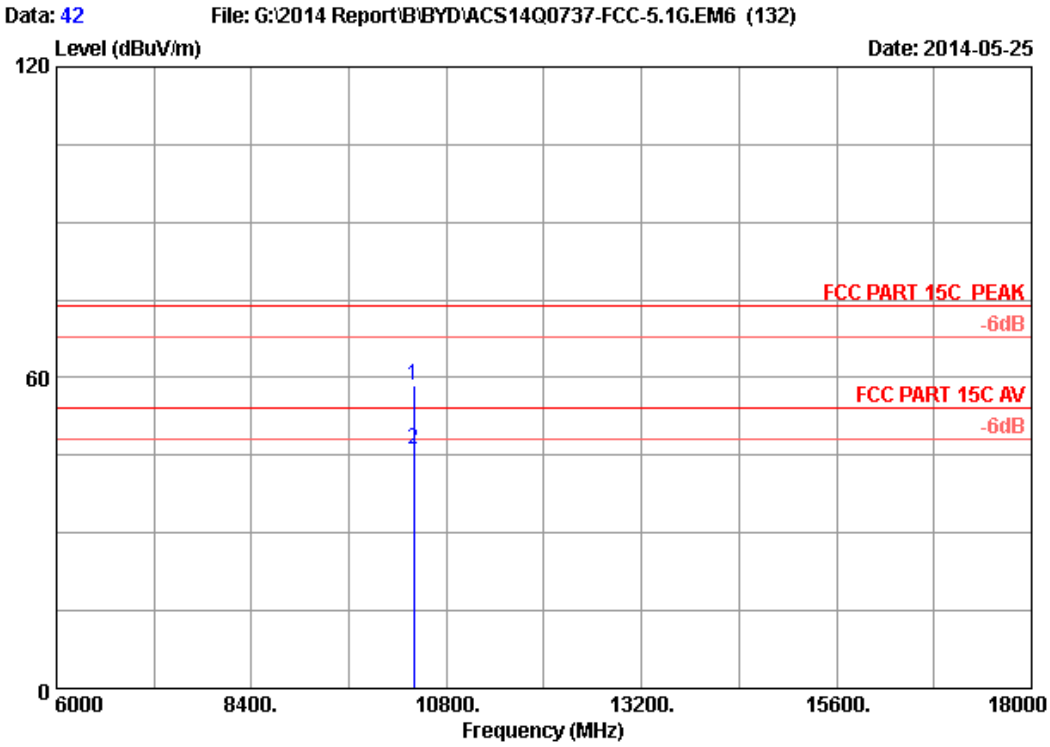
Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	43.58	58.96	74.00	15.04	Peak
2	10400.000	38.16	12.66	35.44	31.49	46.87	54.00	7.13	Average

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



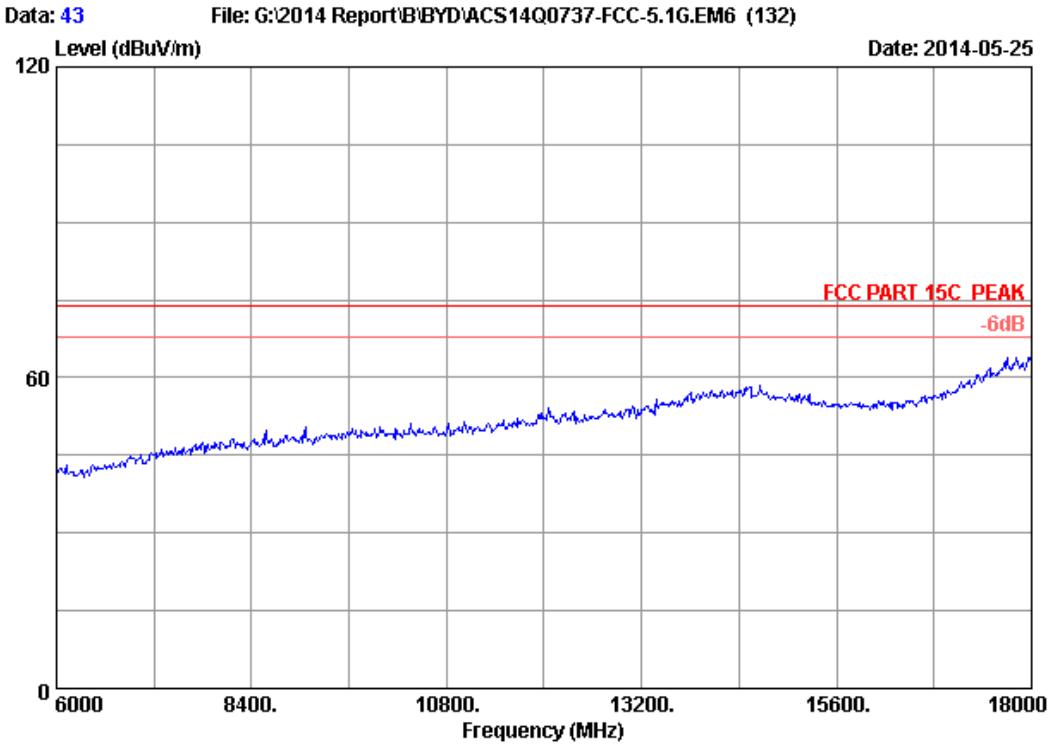

```
Site no.      : 3m Chamber                      Data no.  : 41
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH40  5200MHz  Tx
M/N           : BEL01
```



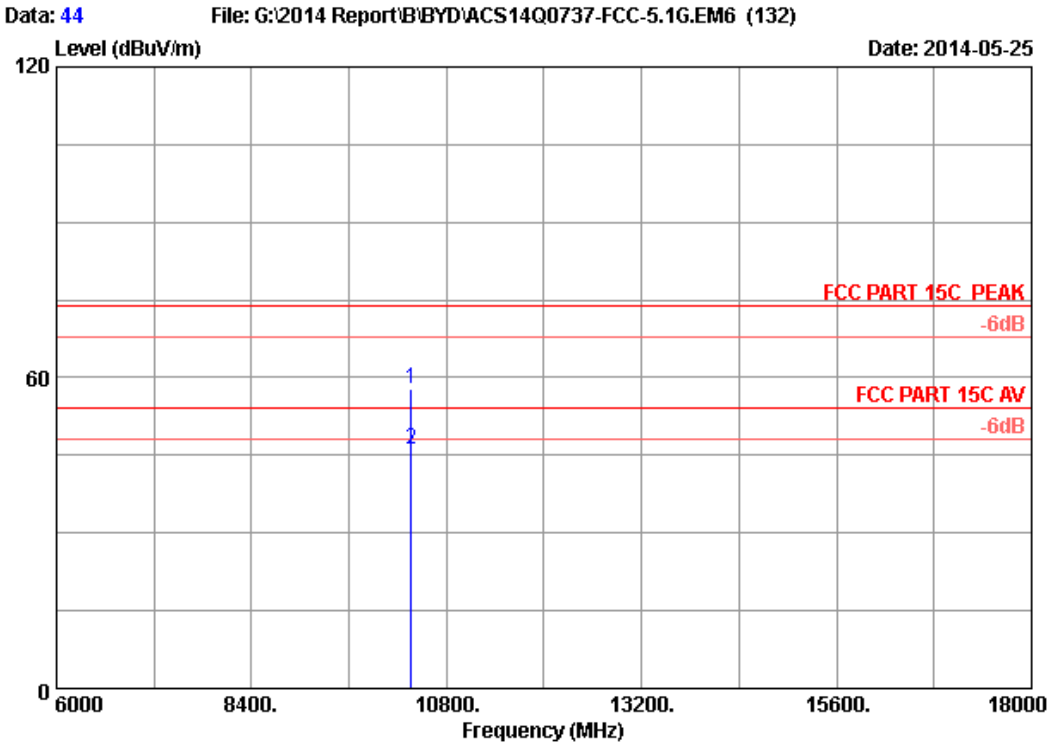
Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	43.01	58.39	74.00	15.61	Peak
2	10400.000	38.16	12.66	35.44	30.84	46.22	54.00	7.78	Average

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



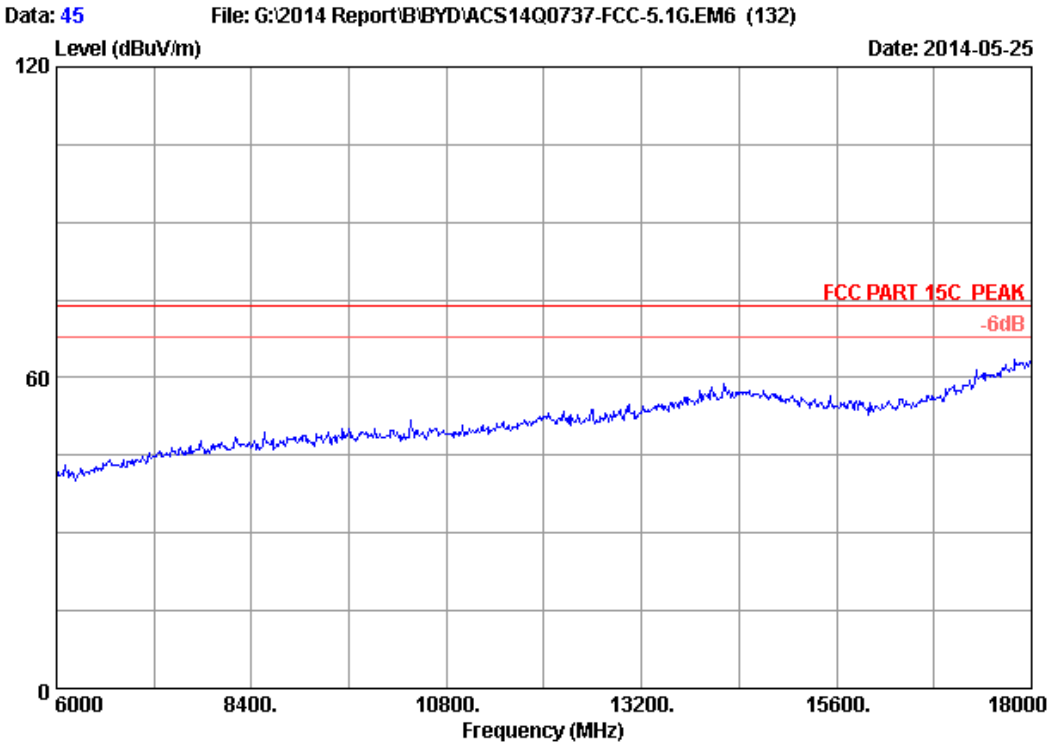

```
Site no.      : 3m Chamber                      Data no.   : 43
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH36  5180MHz  Tx
M/N           : BEL01
```



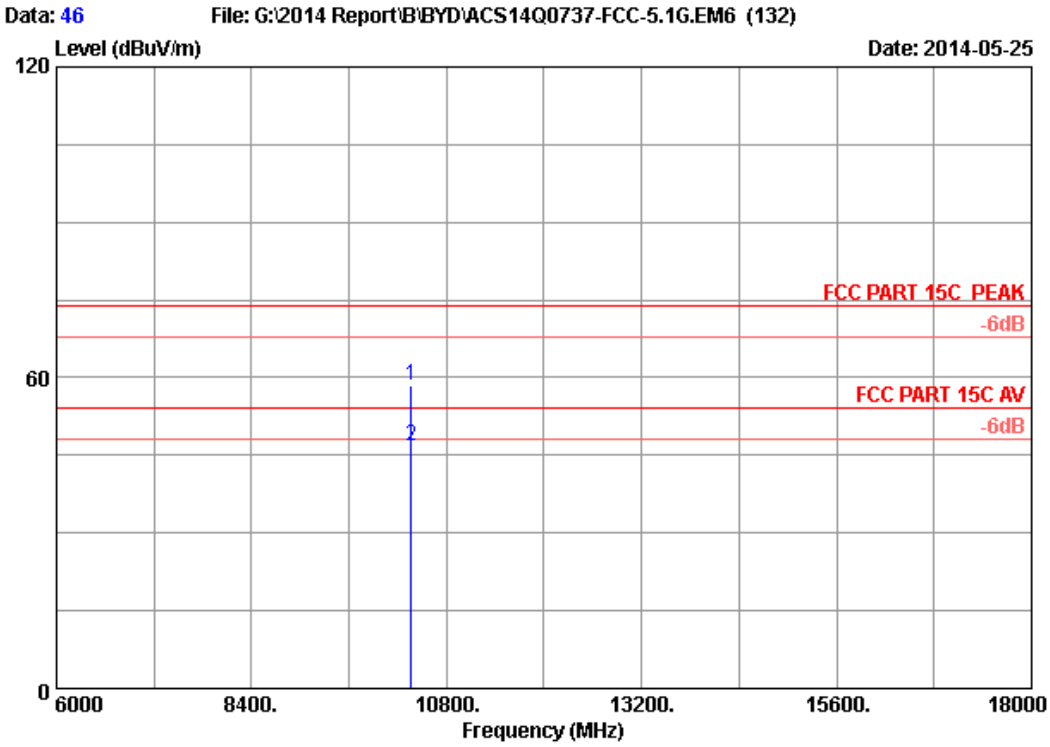
Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	42.41	57.74	74.00	16.26	Peak
2	10360.000	38.14	12.64	35.45	30.84	46.17	54.00	7.83	Average

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



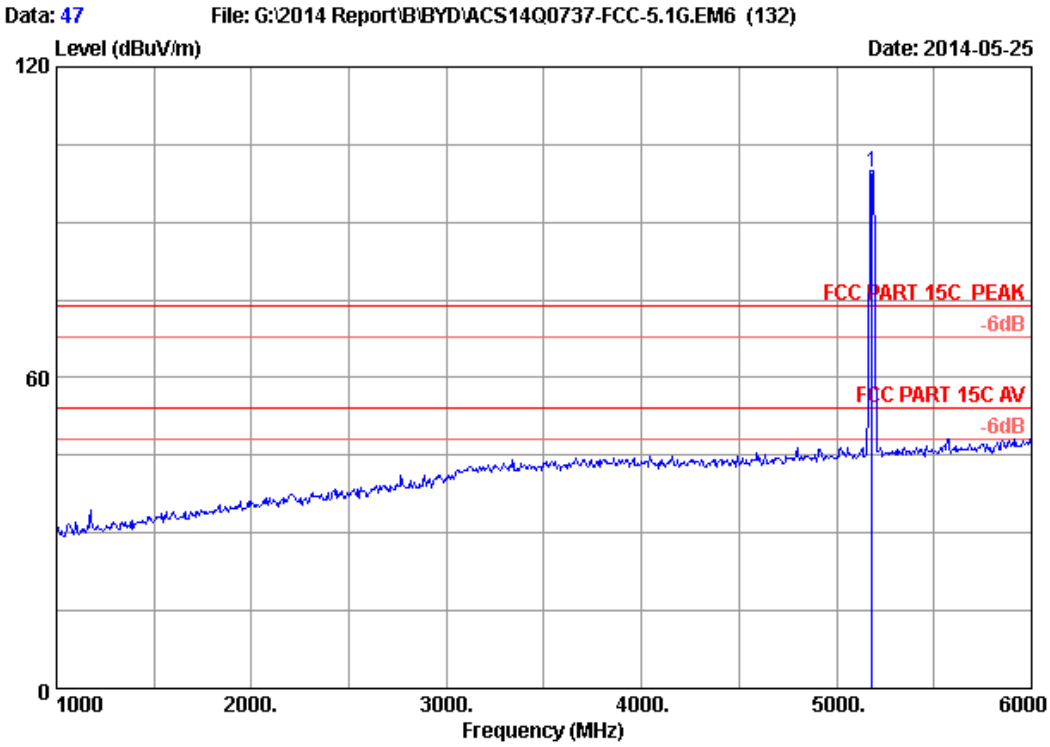

```
Site no.      : 3m Chamber                      Data no.   : 45
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT20  CH36  5180MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	43.13	58.46	74.00	15.54	Peak
2	10360.000	38.14	12.64	35.45	31.46	46.79	54.00	7.21	Average

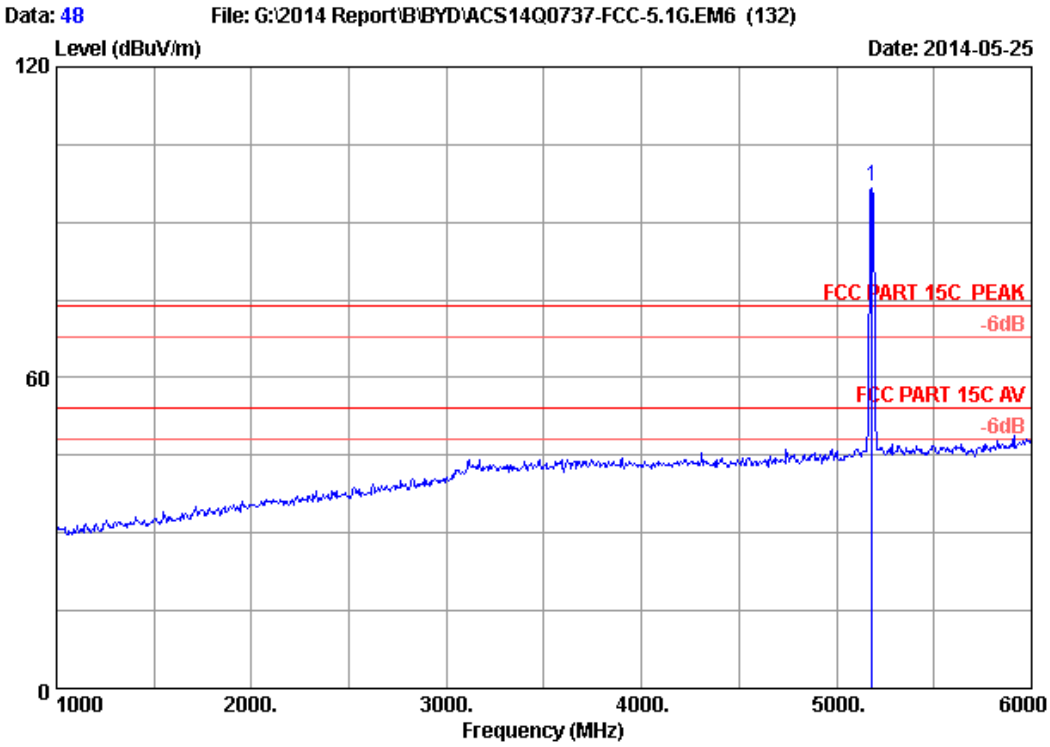
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	92.78	99.52	74.00	-25.52	Peak

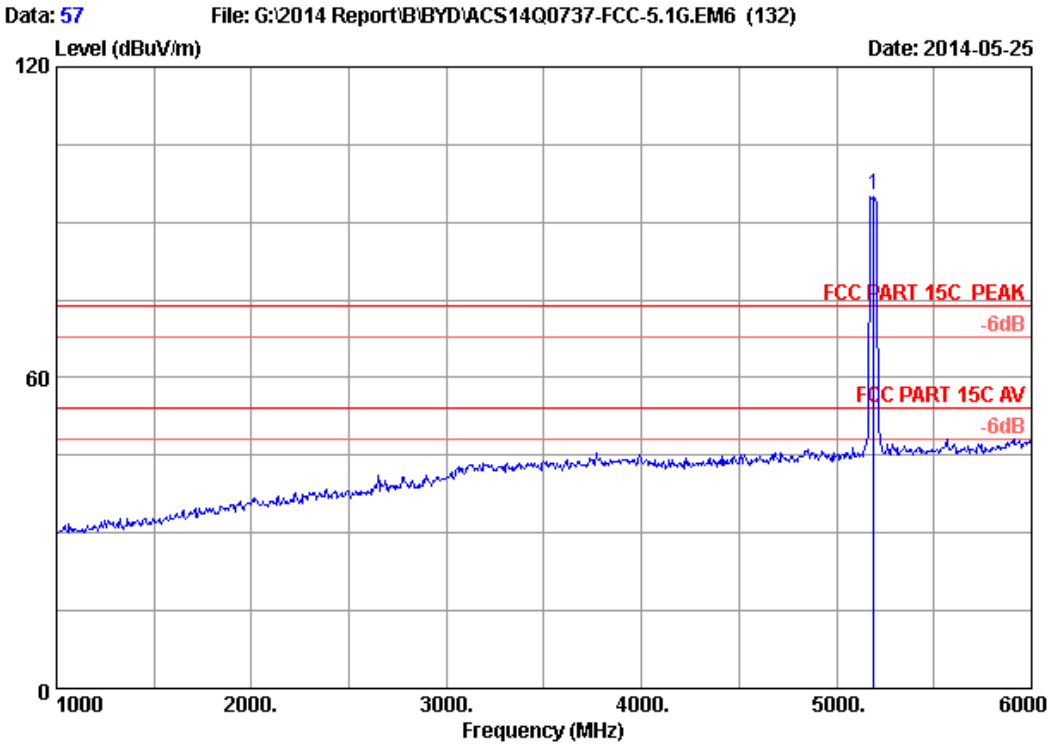
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	90.14	96.88	74.00	-22.88	Peak

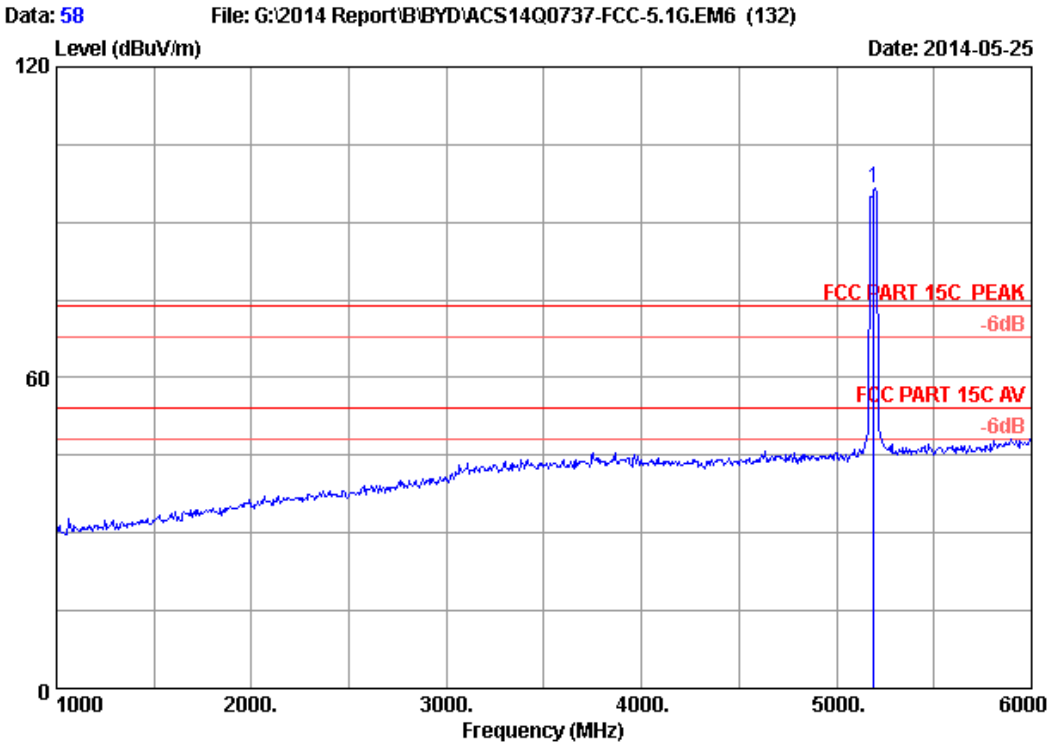
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5190.000	33.50	8.96	35.70	88.65	95.41	74.00	-21.41	Peak

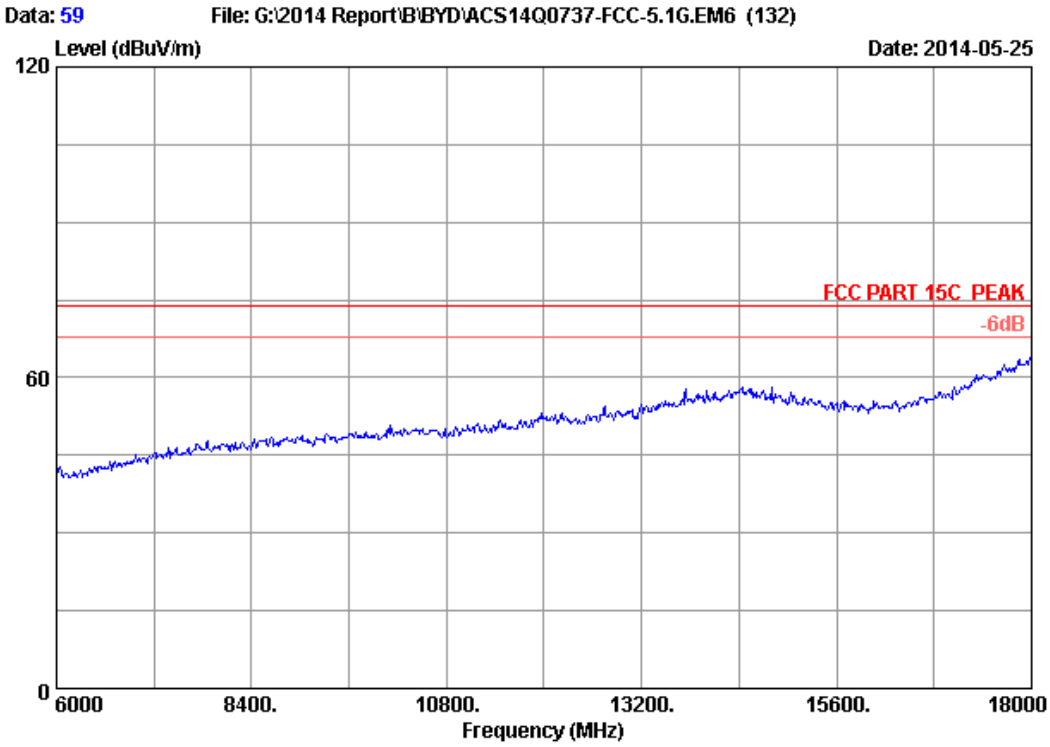
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5190.000	33.50	8.96	35.70	89.76	96.52	74.00	-22.52	Peak

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

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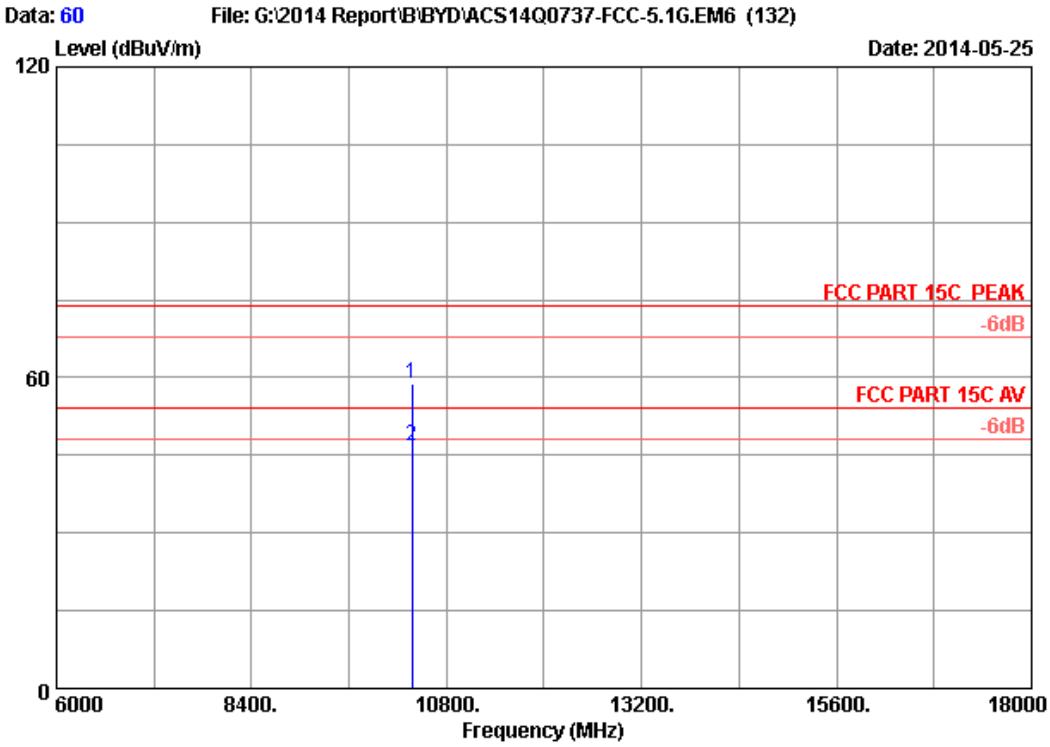
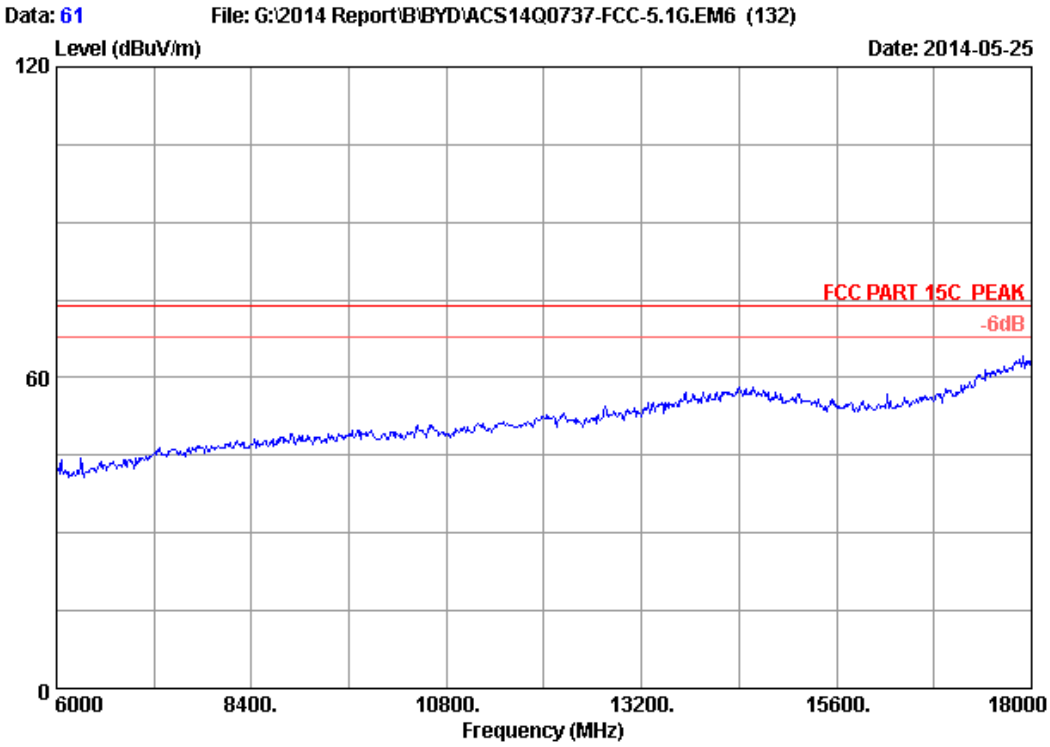
Site no.      : 3m Chamber                      Data no.  : 59
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT40  CH38  5190MHz  Tx
M/N           : BEL01
```



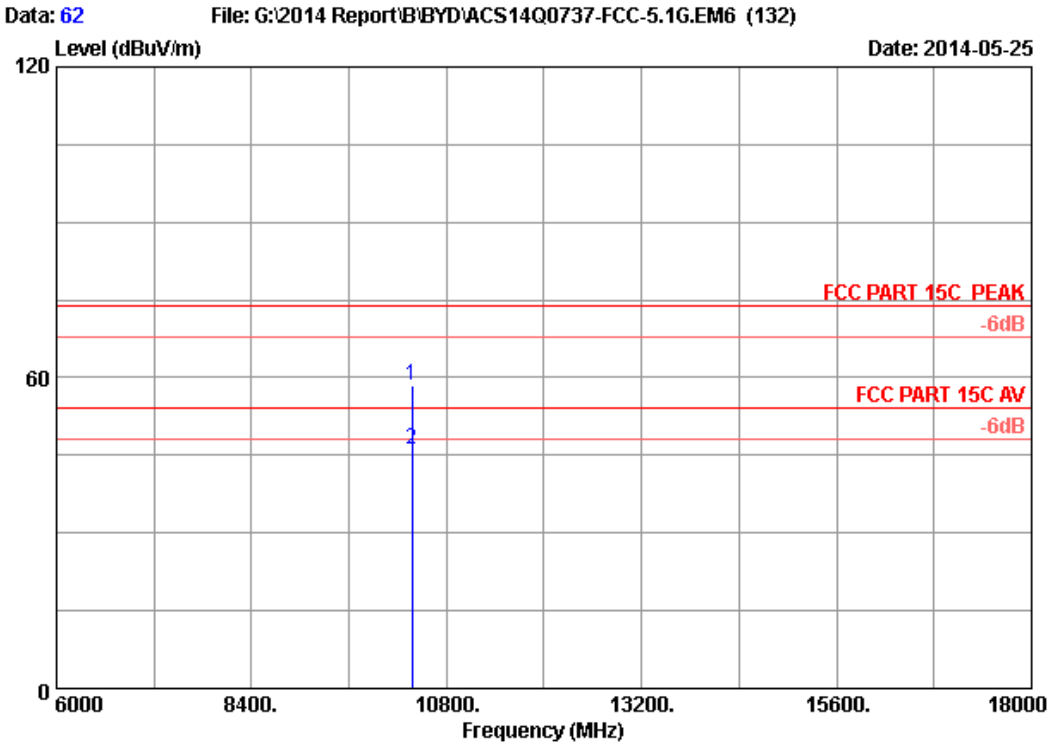
Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	10380.000	38.15	12.65	35.44	43.54	58.90	74.00	15.10	Peak
2	10380.000	38.15	12.65	35.44	31.39	46.75	54.00	7.25	Average

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



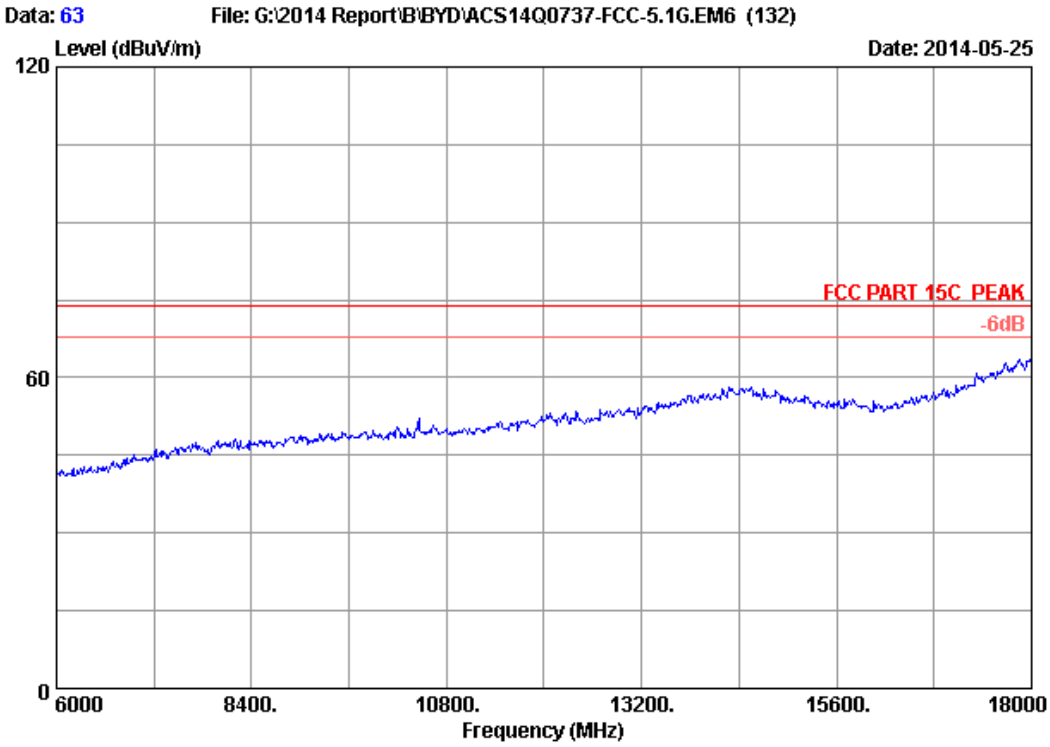

```
Site no.      : 3m Chamber                      Data no.  : 61
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT40  CH38  5190MHz  Tx
M/N           : BEL01
```



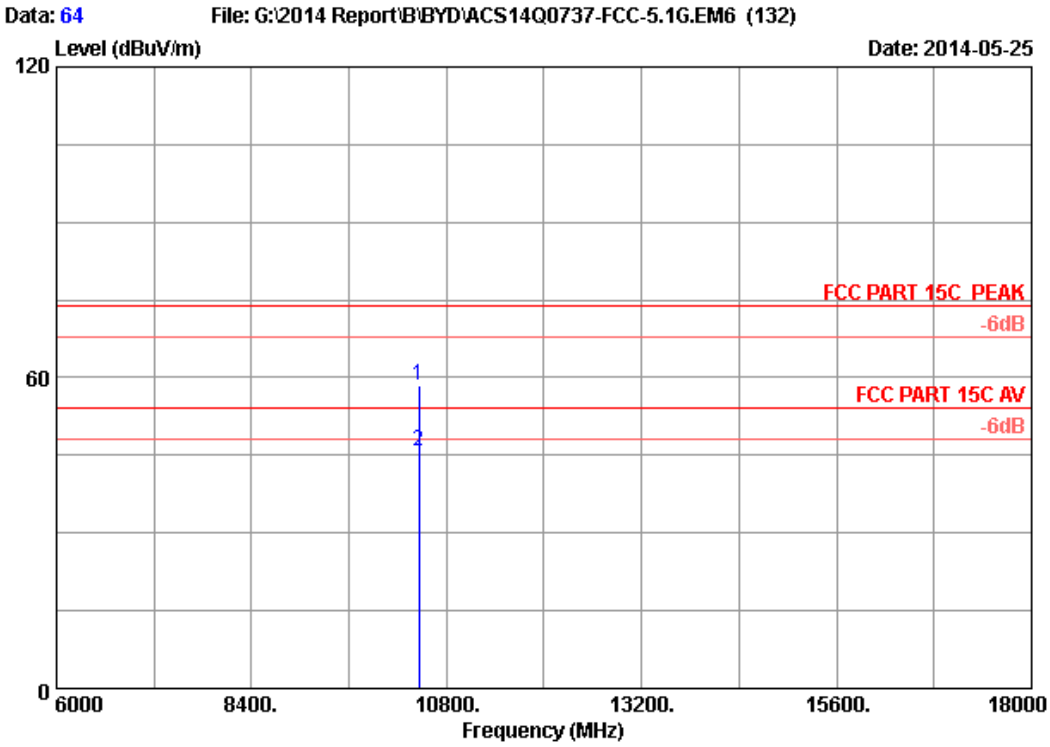
Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	10380.000	38.15	12.65	35.44	43.21	58.57	74.00	15.43	Peak
2	10380.000	38.15	12.65	35.44	30.87	46.23	54.00	7.77	Average

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



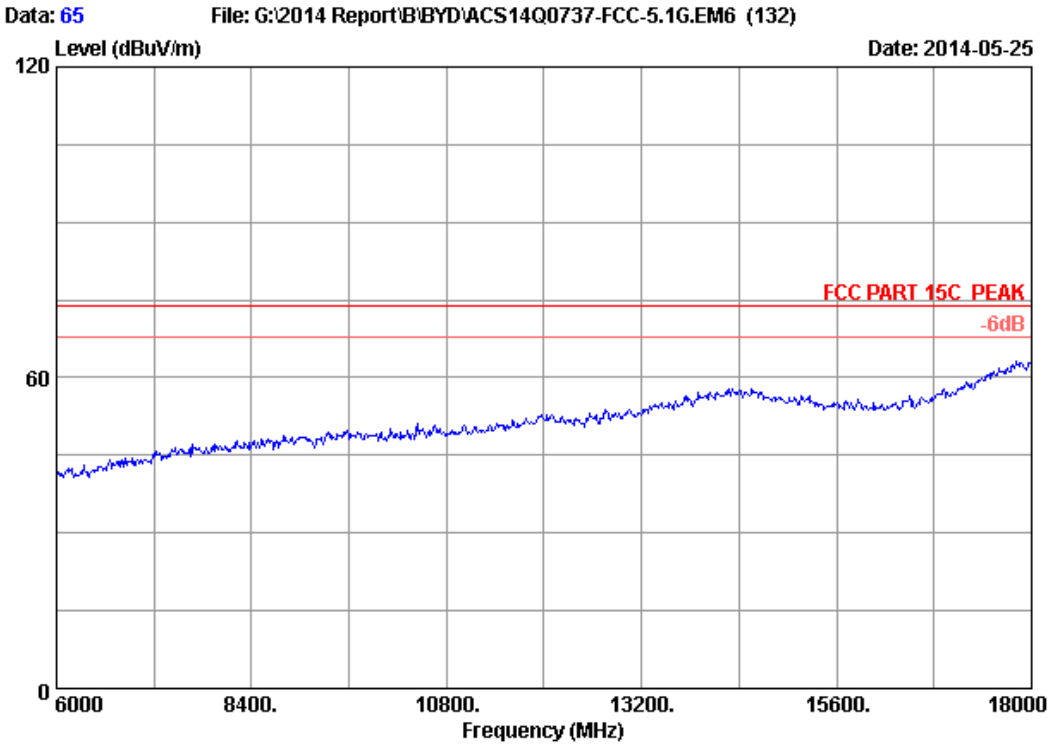

```
Site no.      : 3m Chamber                      Data no.   : 63
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT40  CH46  5230MHz  Tx
M/N           : BEL01
```



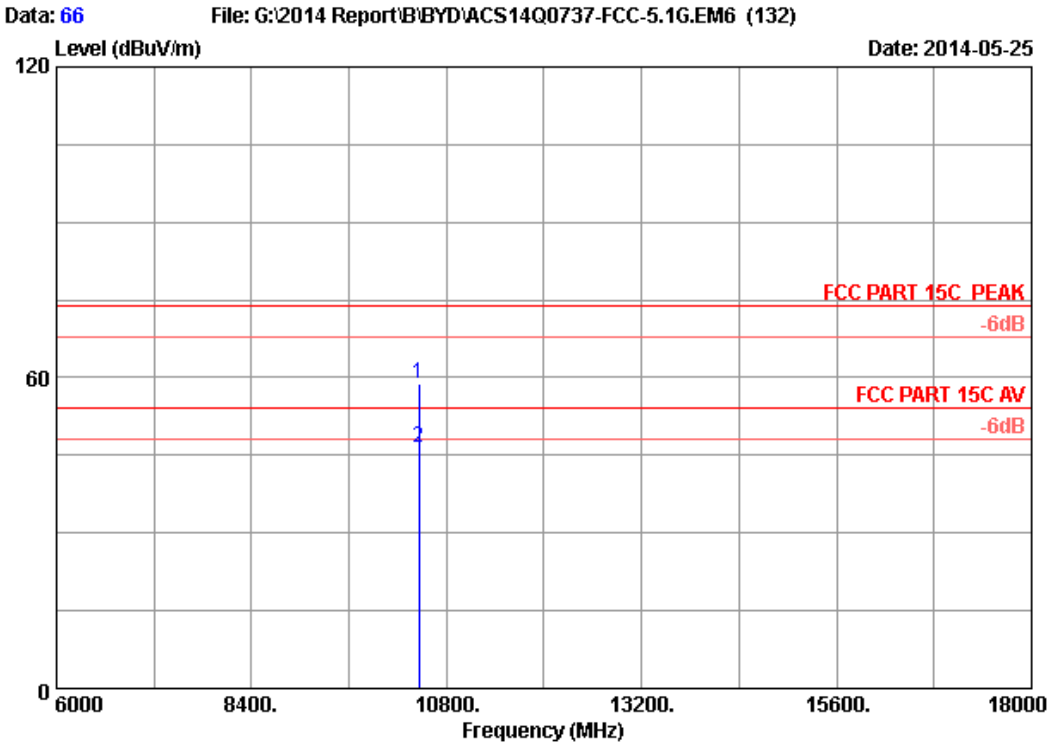
Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	10460.000	38.18	12.69	35.43	42.97	58.41	74.00	15.59	Peak
2	10460.000	38.18	12.69	35.43	30.36	45.80	54.00	8.20	Average

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



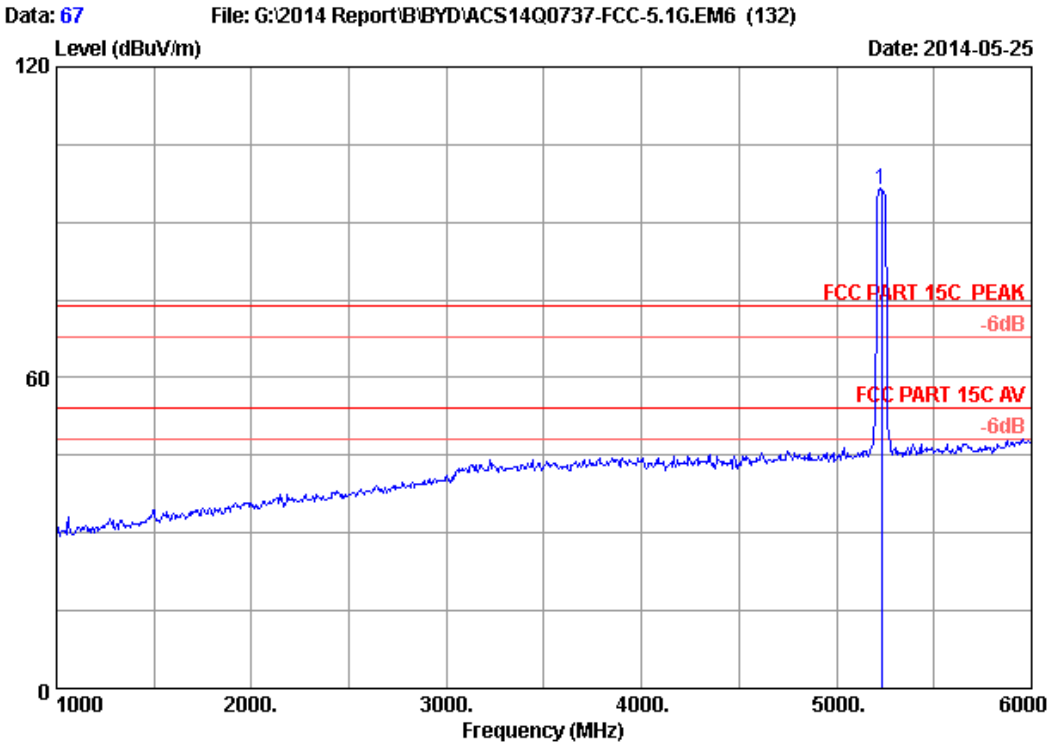

```
Site no.      : 3m Chamber                      Data no.  : 65
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11nHT40  CH46  5230MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	10460.000	38.18	12.69	35.43	43.28	58.72	74.00	15.28	Peak
2	10460.000	38.18	12.69	35.43	31.15	46.59	54.00	7.41	Average

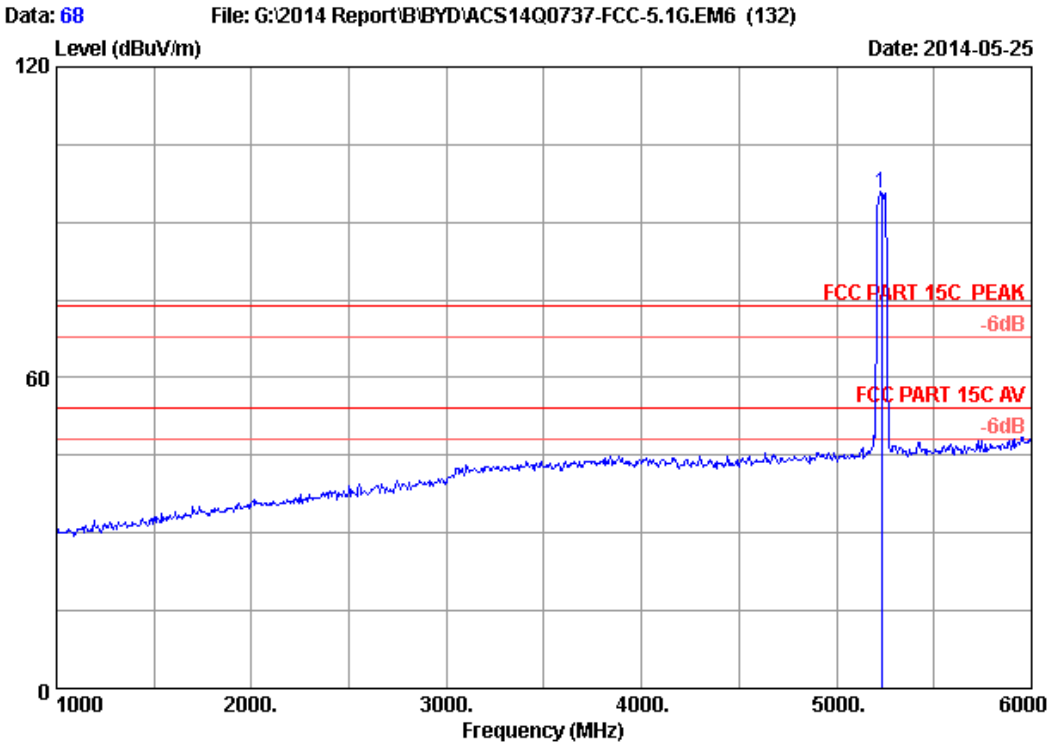
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5230.000	33.57	9.01	35.70	89.55	96.43	74.00	-22.43	Peak

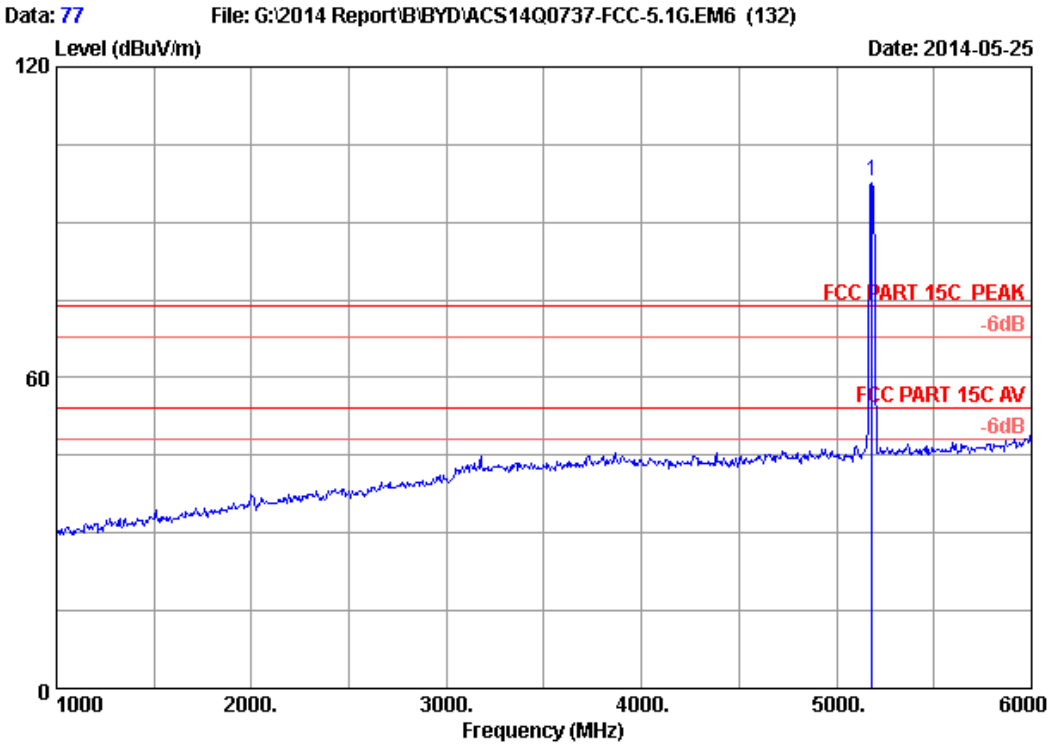
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5230.000	33.57	9.01	35.70	88.71	95.59	74.00	-21.59	Peak

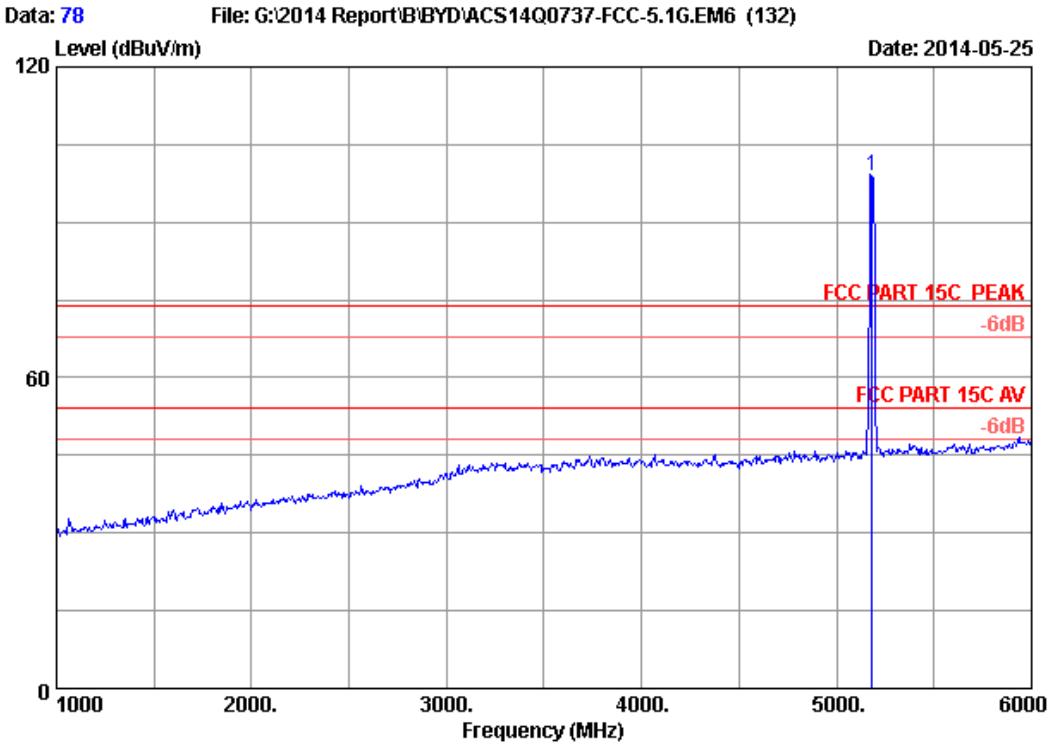
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	91.32	98.06	74.00	-24.06	Peak

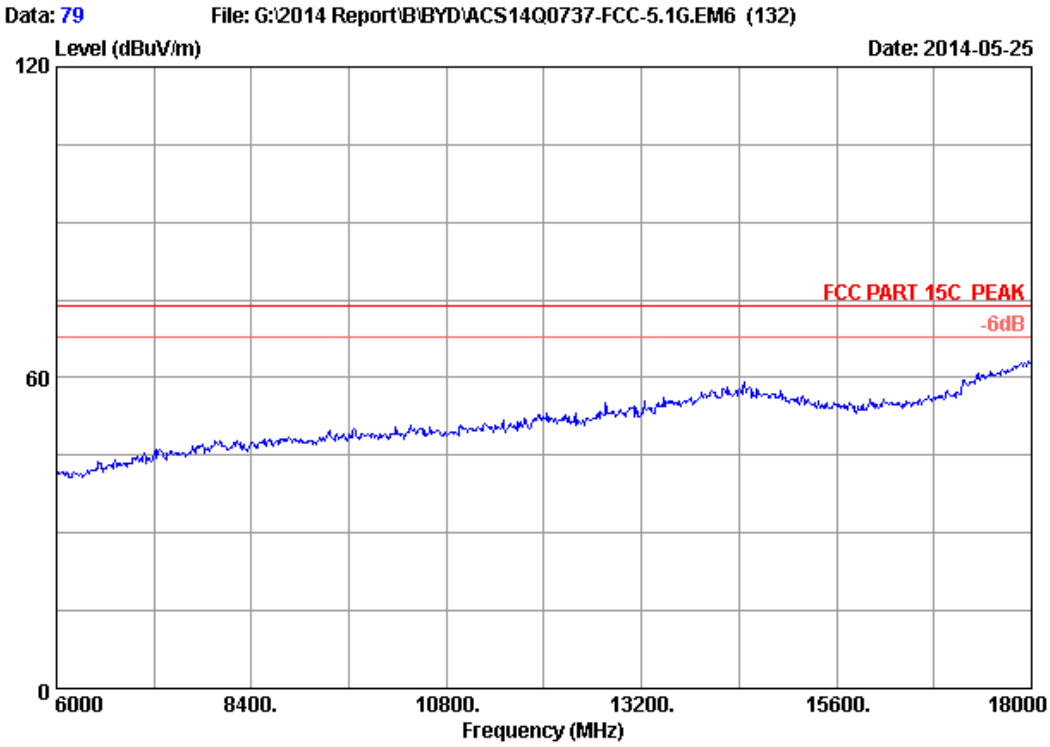
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5180.000	33.49	8.95	35.70	92.26	99.00	74.00	-25.00	Peak

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

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Site no.      : 3m Chamber                      Data no.   : 79
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH36  5180MHz  Tx
M/N           : BEL01
```
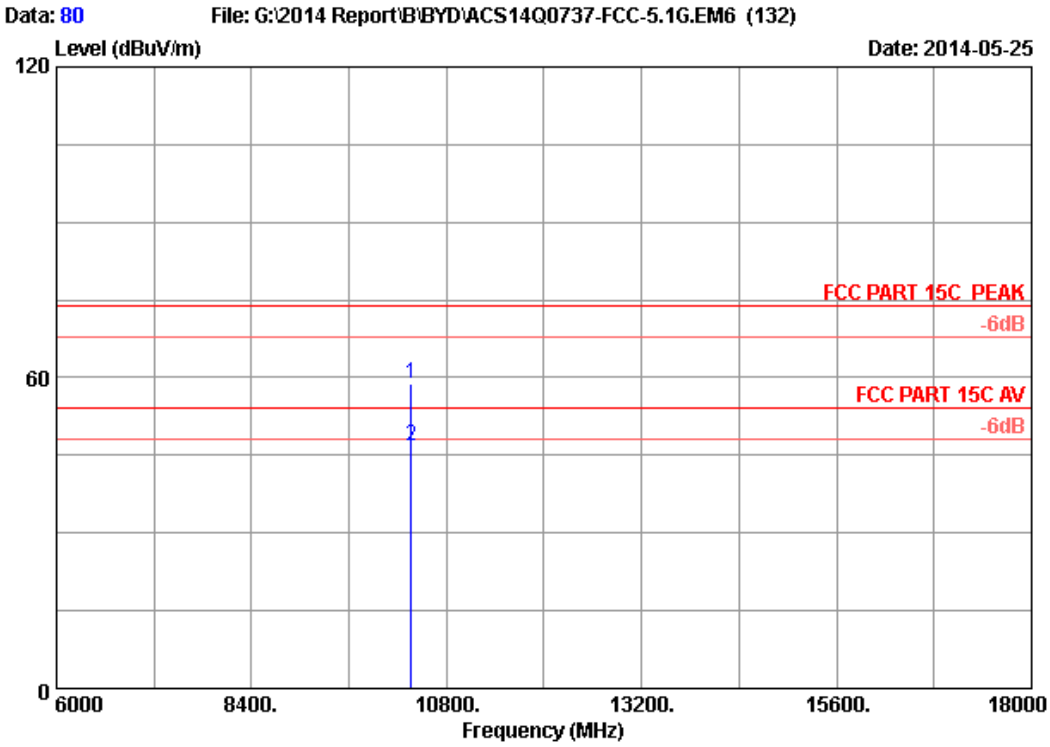
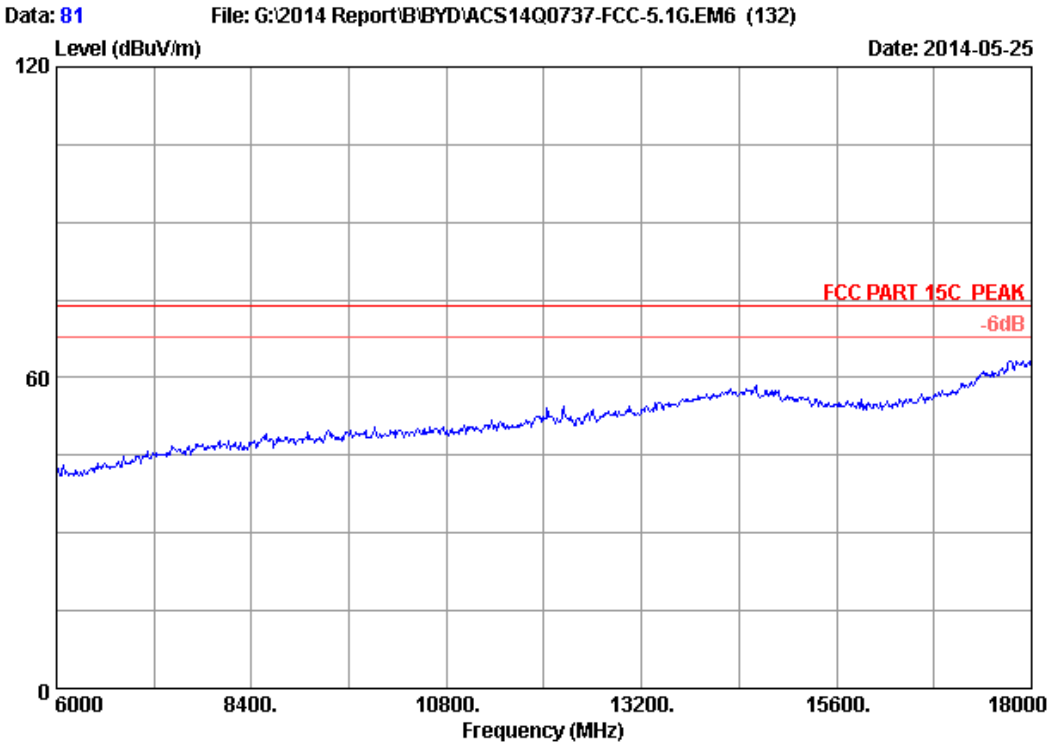



Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	43.59	58.92	74.00	15.08	Peak
2	10360.000	38.14	12.64	35.45	31.50	46.83	54.00	7.17	Average

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

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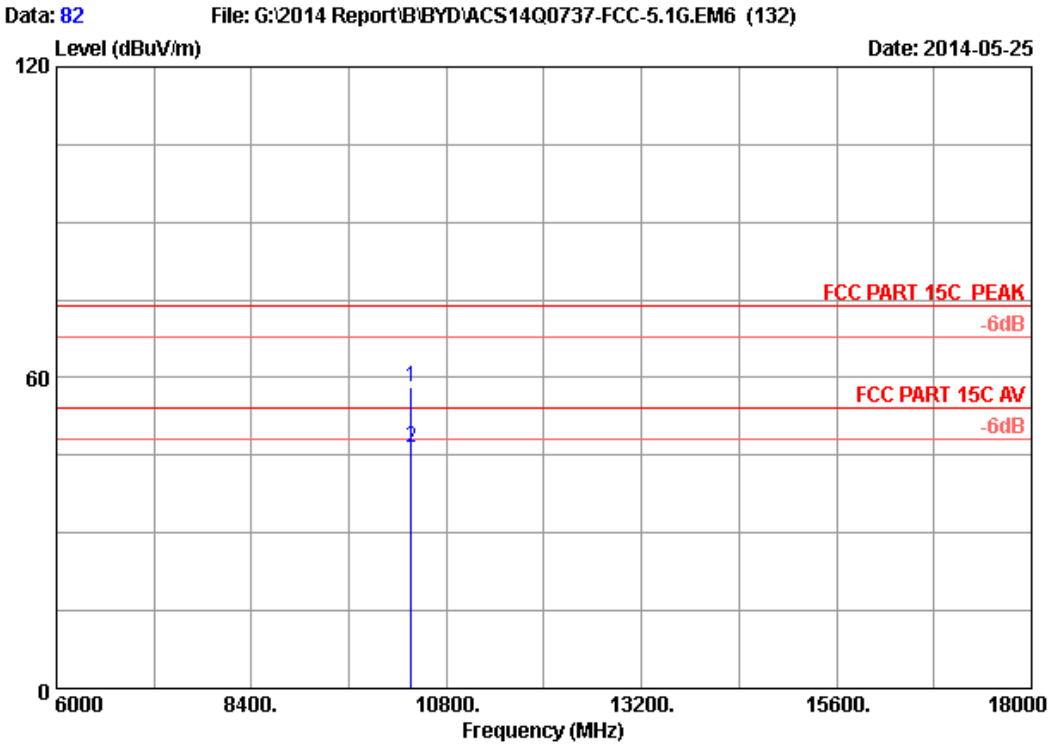
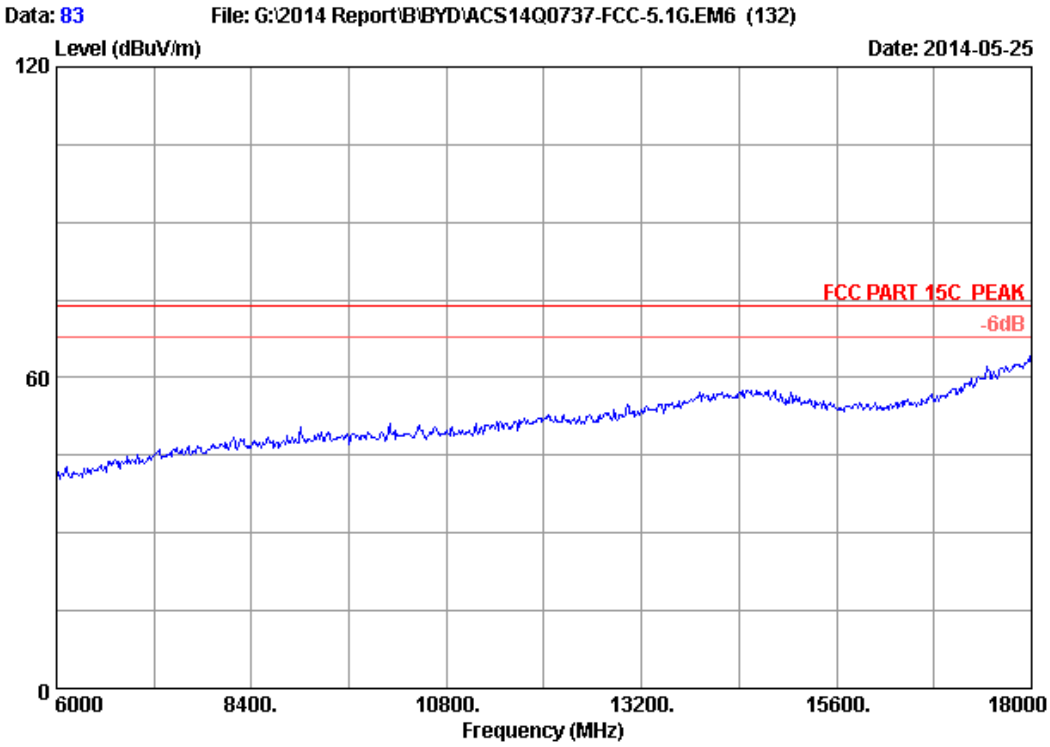
Site no.      : 3m Chamber                        Data no.   : 81
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH36  5180MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	10360.000	38.14	12.64	35.45	42.74	58.07	74.00	15.93	Peak
2	10360.000	38.14	12.64	35.45	31.09	46.42	54.00	7.58	Average

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

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Site no.      : 3m Chamber                      Data no.   : 83
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH40  5200MHz  Tx
M/N           : BEL01
```
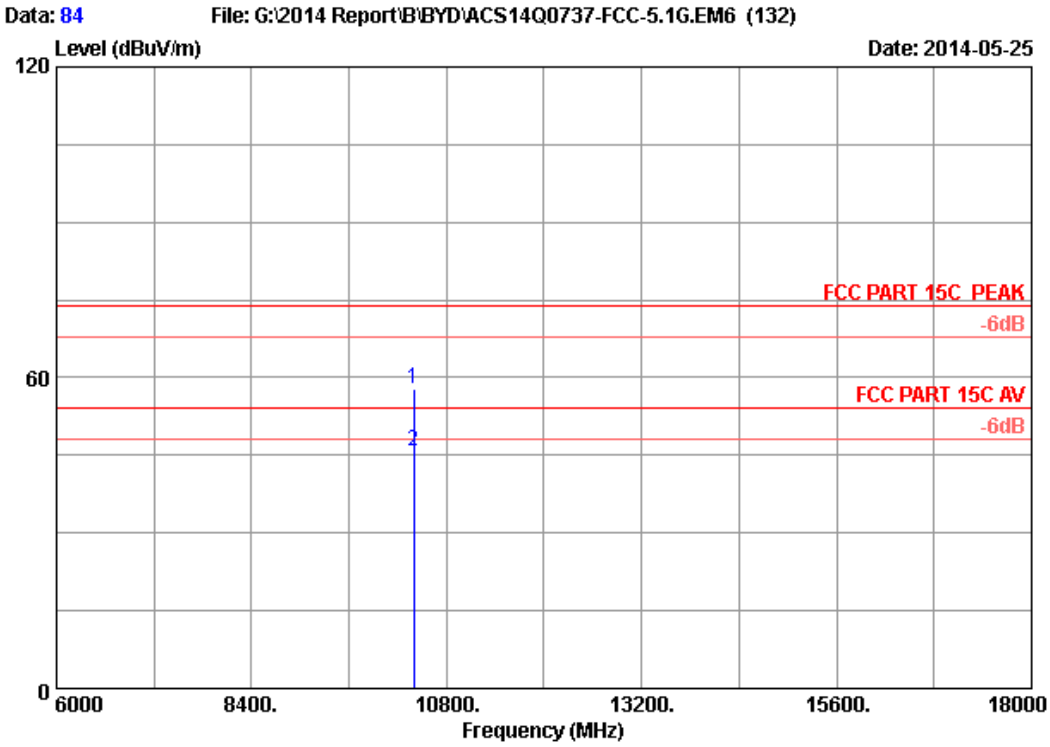
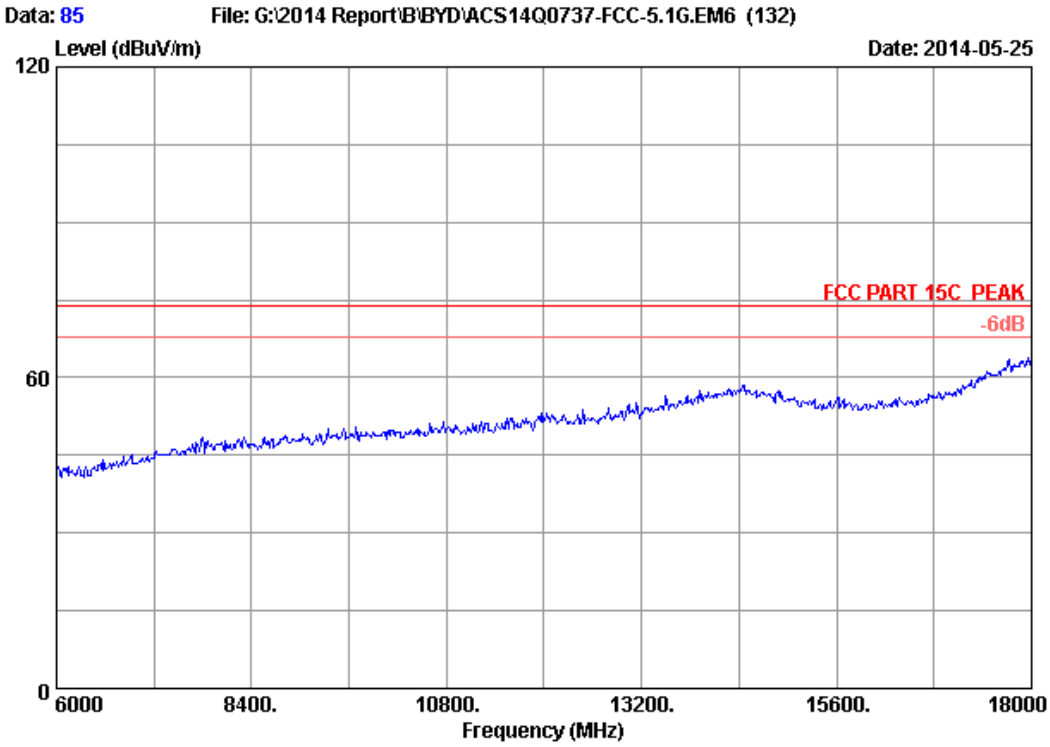



Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	42.36	57.74	74.00	16.26	Peak
2	10400.000	38.16	12.66	35.44	30.43	45.81	54.00	8.19	Average

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

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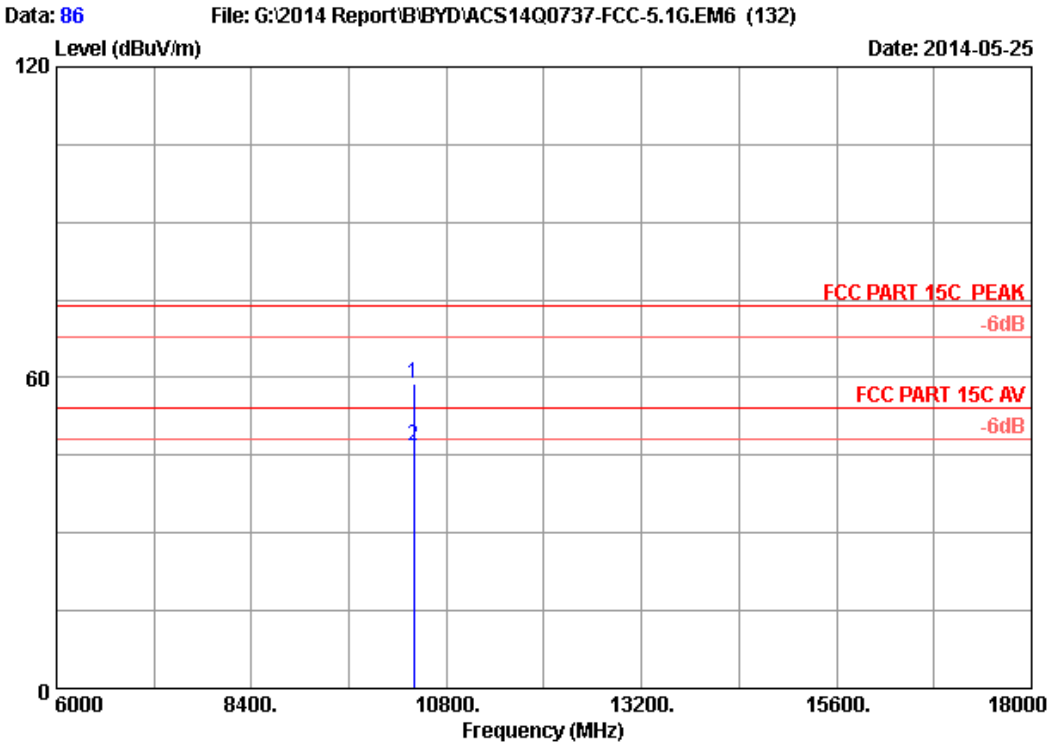
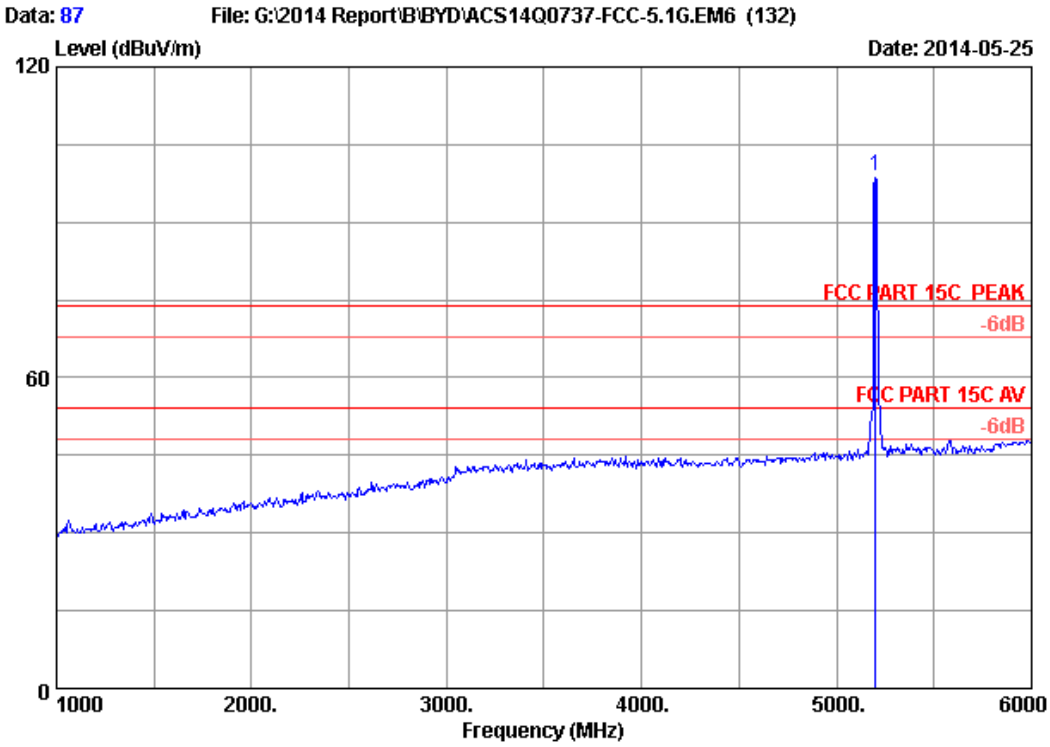
Site no.      : 3m Chamber                      Data no.   : 85
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH40  5200MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	10400.000	38.16	12.66	35.44	43.37	58.75	74.00	15.25	Peak
2	10400.000	38.16	12.66	35.44	31.52	46.90	54.00	7.10	Average

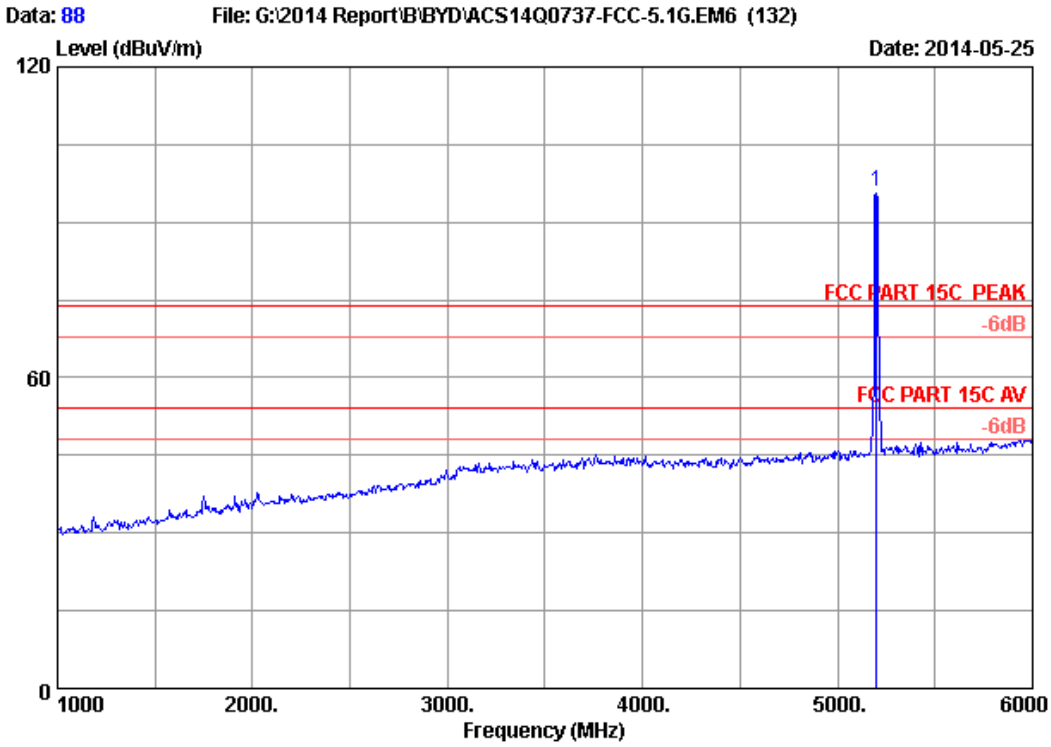
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	92.21	99.00	74.00	-25.00	Peak

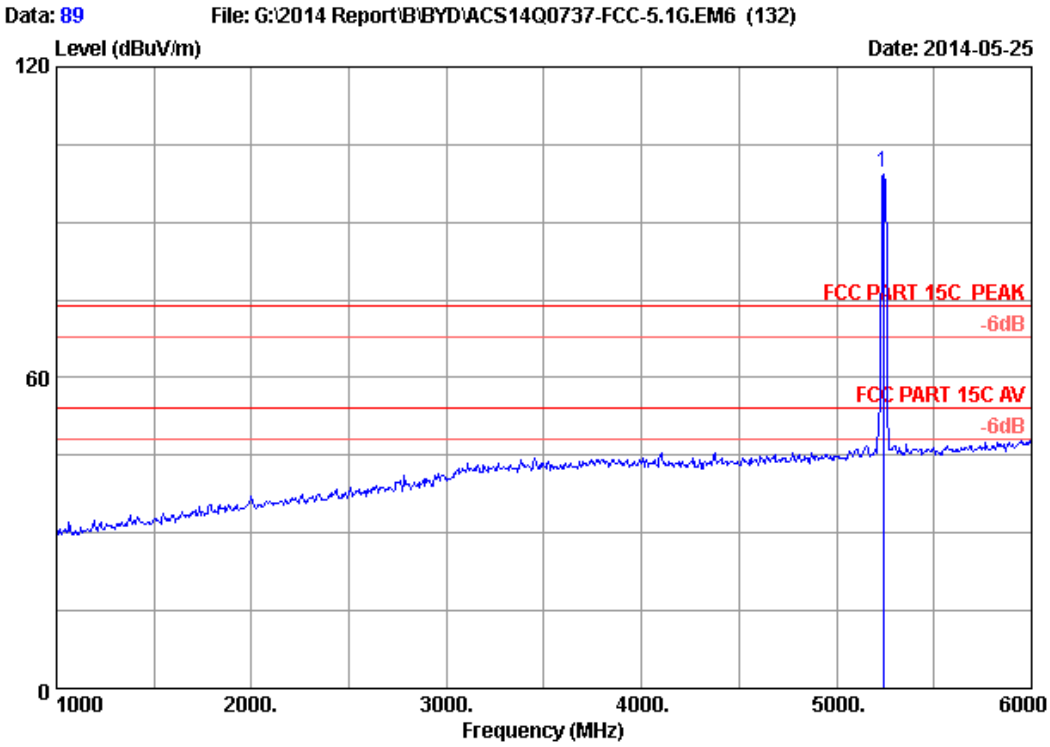
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH40 5200MHz Tx
M/N : BEL01

No.	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	5200.000	33.52	8.97	35.70	89.06	95.85	74.00	-21.85	Peak

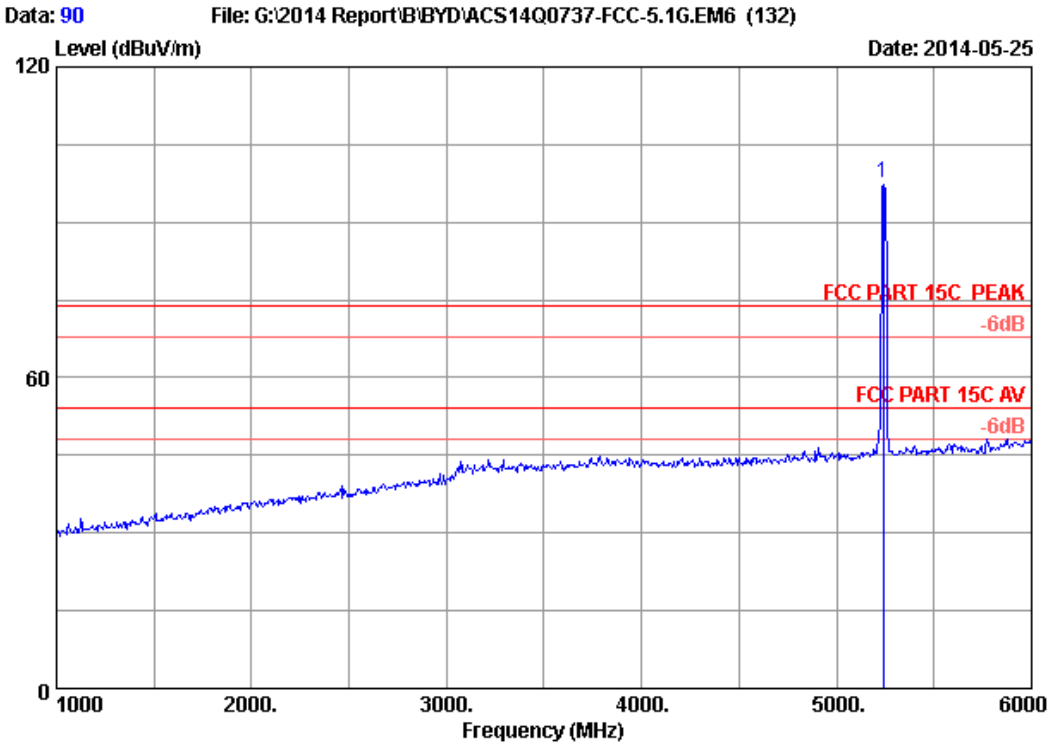
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	92.84	99.74	74.00	-25.74	Peak

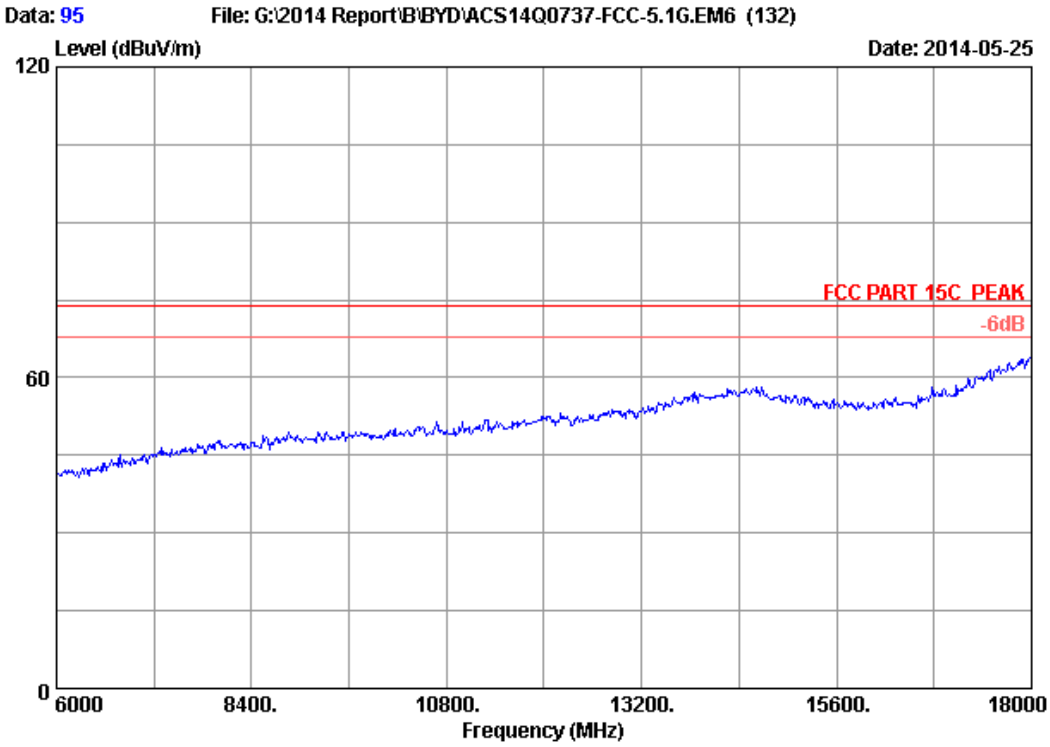
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5240.000	33.58	9.02	35.70	90.62	97.52	74.00	-23.52	Peak

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

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Site no.      : 3m Chamber                      Data no.   : 95
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer   : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH48  5240MHz  Tx
M/N           : BEL01
```
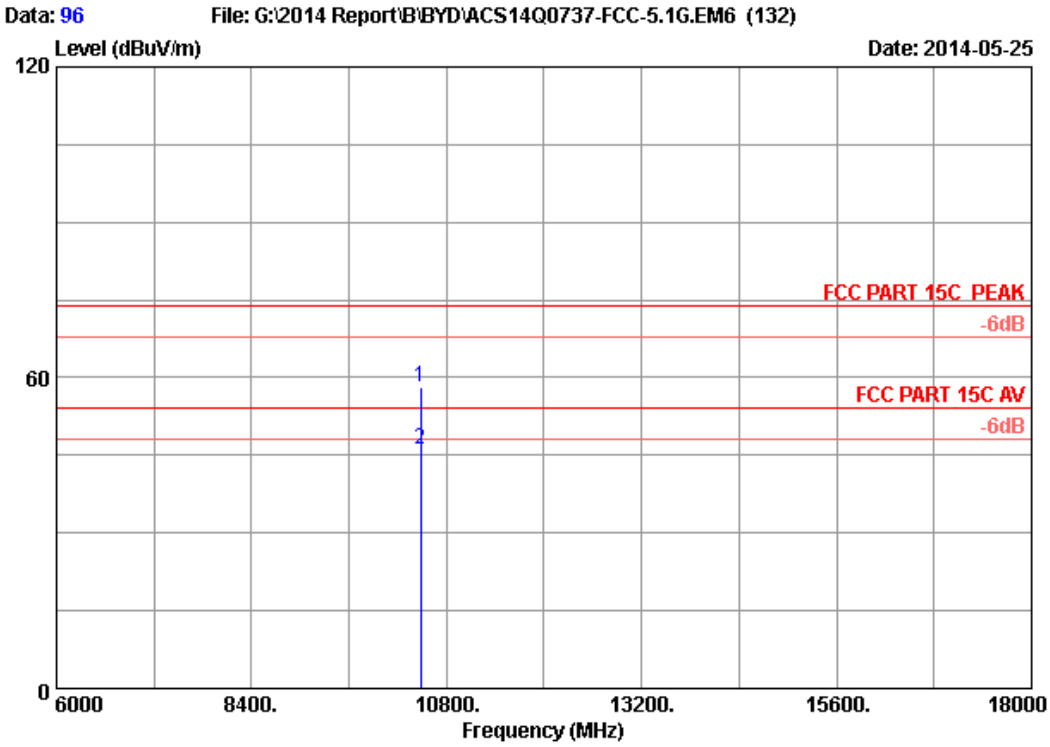
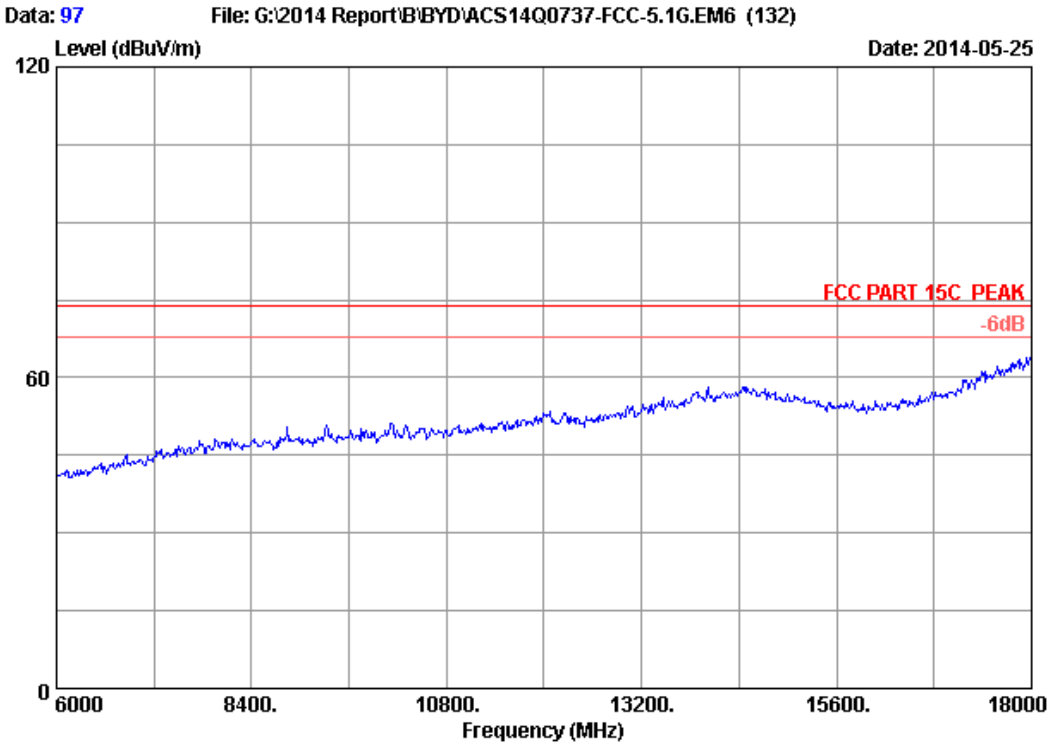



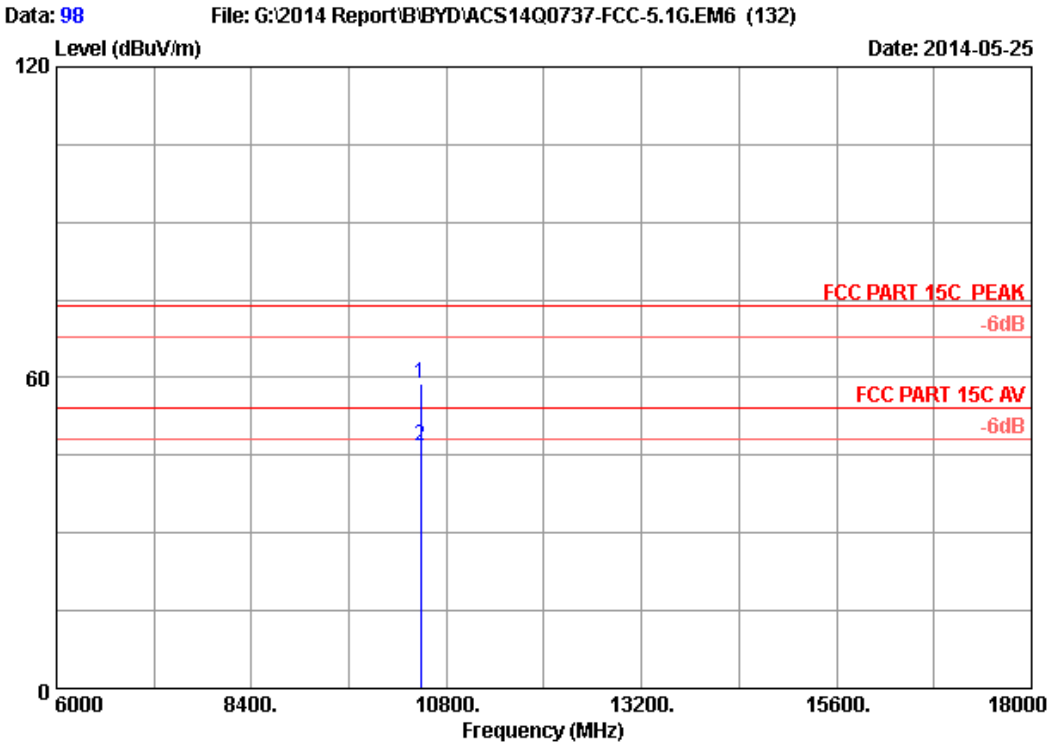
Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	42.67	58.13	74.00	15.87	Peak
2	10480.000	38.19	12.70	35.43	30.76	46.22	54.00	7.78	Average

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



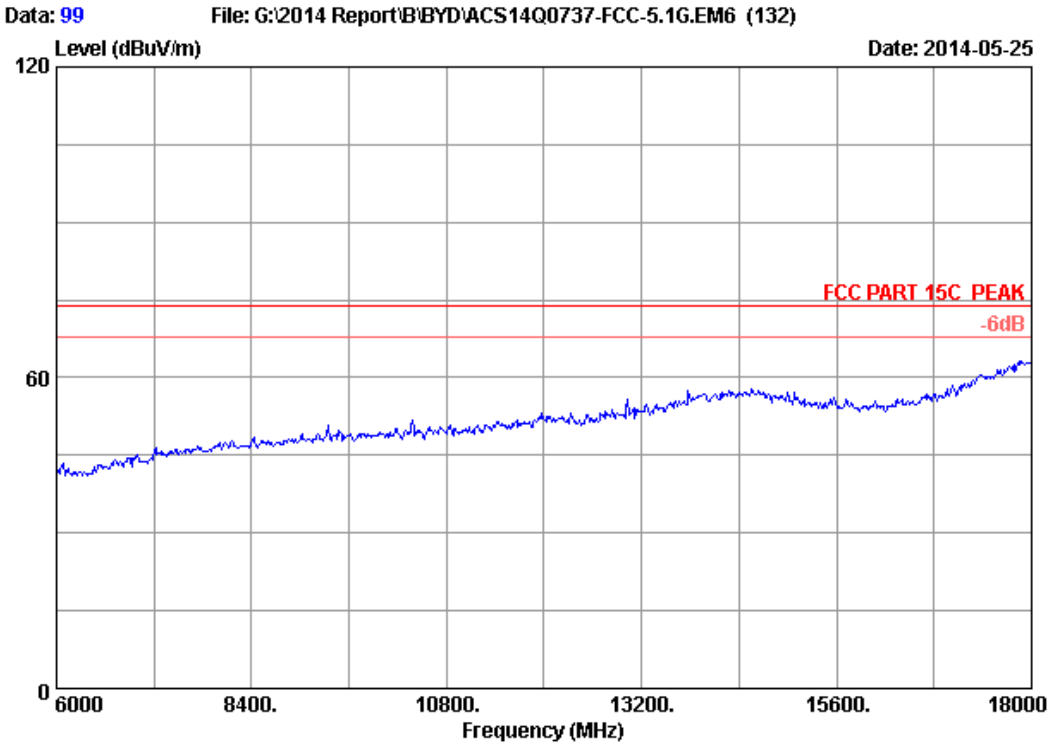

```
Site no.      : 3m Chamber                      Data no.  : 97
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT20  CH48  5240MHz  Tx
M/N           : BEL01
```



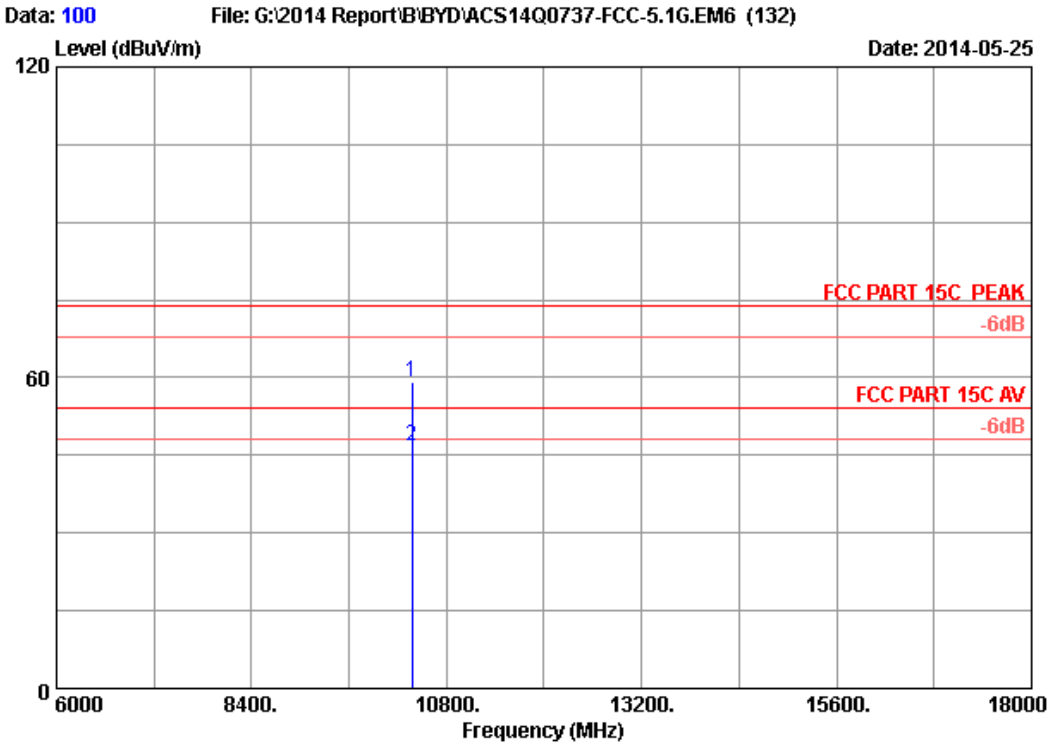
Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	10480.000	38.19	12.70	35.43	43.35	58.81	74.00	15.19	Peak
2	10480.000	38.19	12.70	35.43	31.48	46.94	54.00	7.06	Average

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



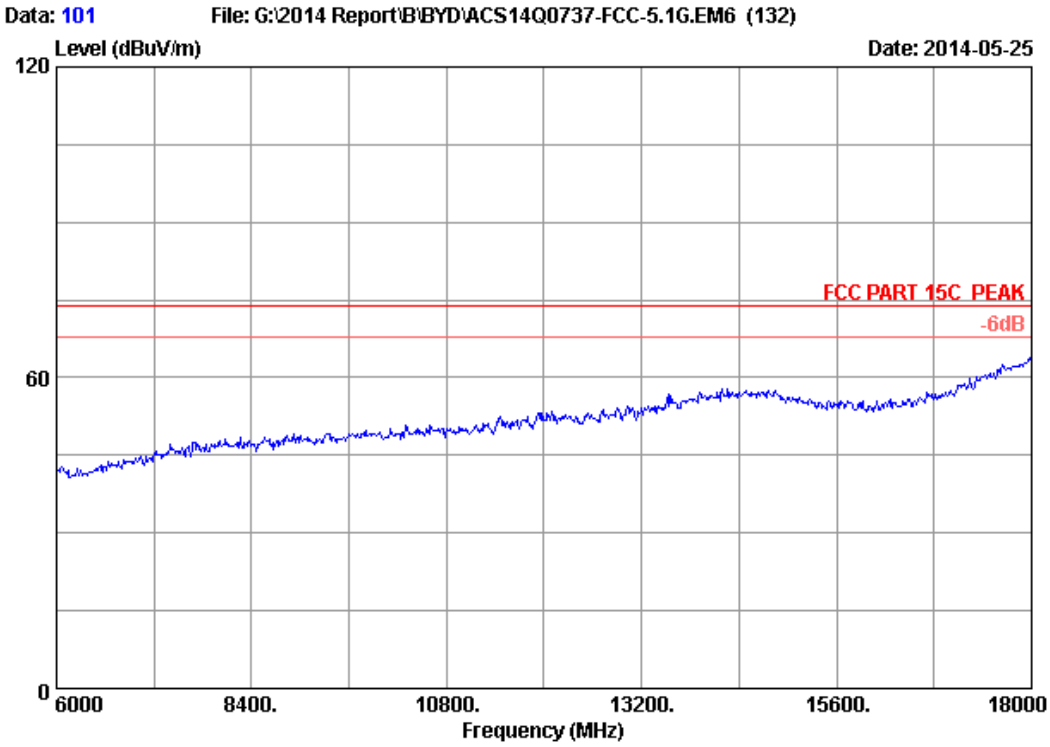

```
Site no.      : 3m Chamber                      Data no.  : 99
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT40  CH38  5190MHz  Tx
M/N           : BEL01
```



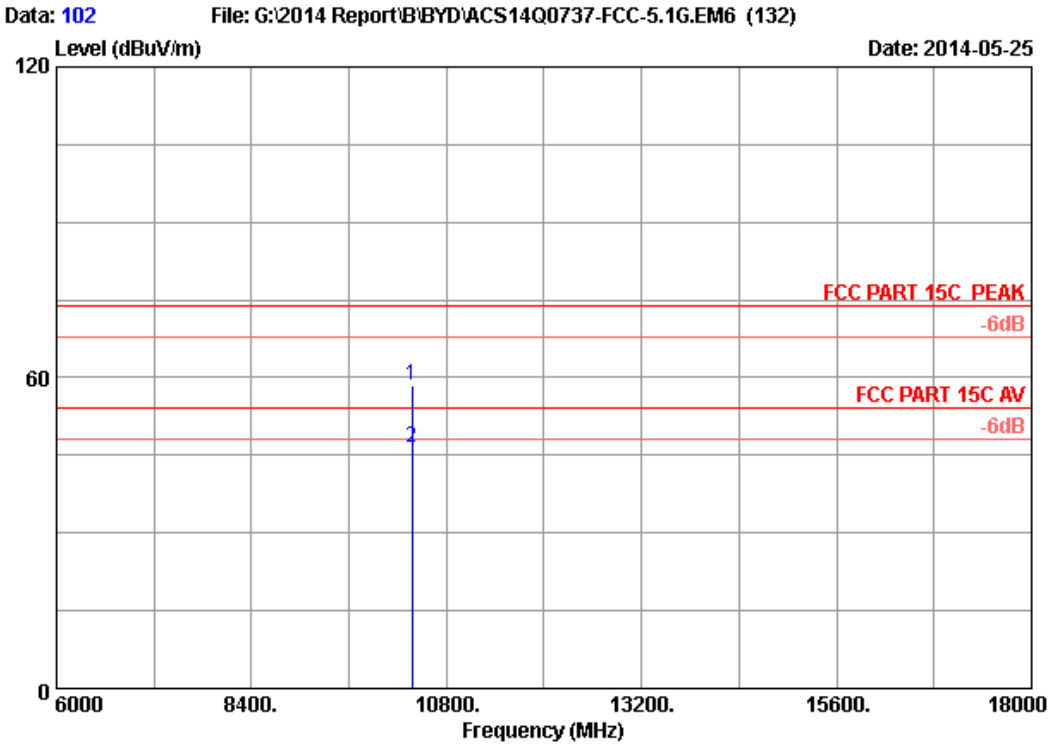
Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	10380.000	38.15	12.65	35.44	43.78	59.14	74.00	14.86	Peak
2	10380.000	38.15	12.65	35.44	31.51	46.87	54.00	7.13	Average

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



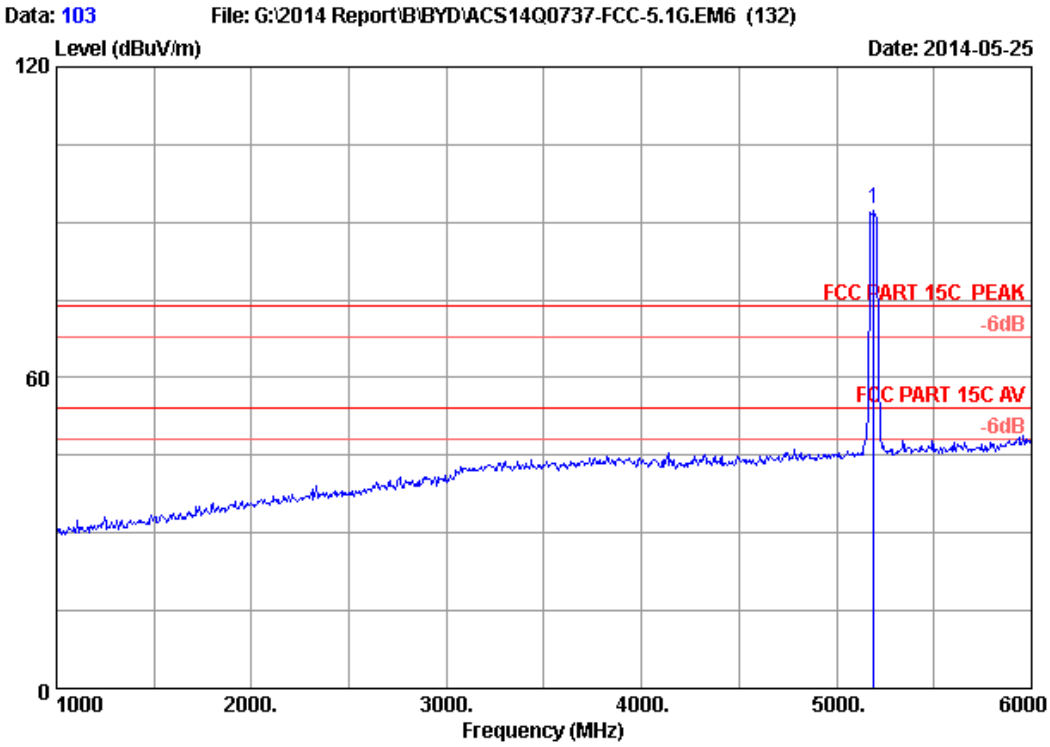

```
Site no.      : 3m Chamber                      Data no.  : 101
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT40  CH38  5190MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	10380.000	38.15	12.65	35.44	43.16	58.52	74.00	15.48	Peak
2	10380.000	38.15	12.65	35.44	31.07	46.43	54.00	7.57	Average

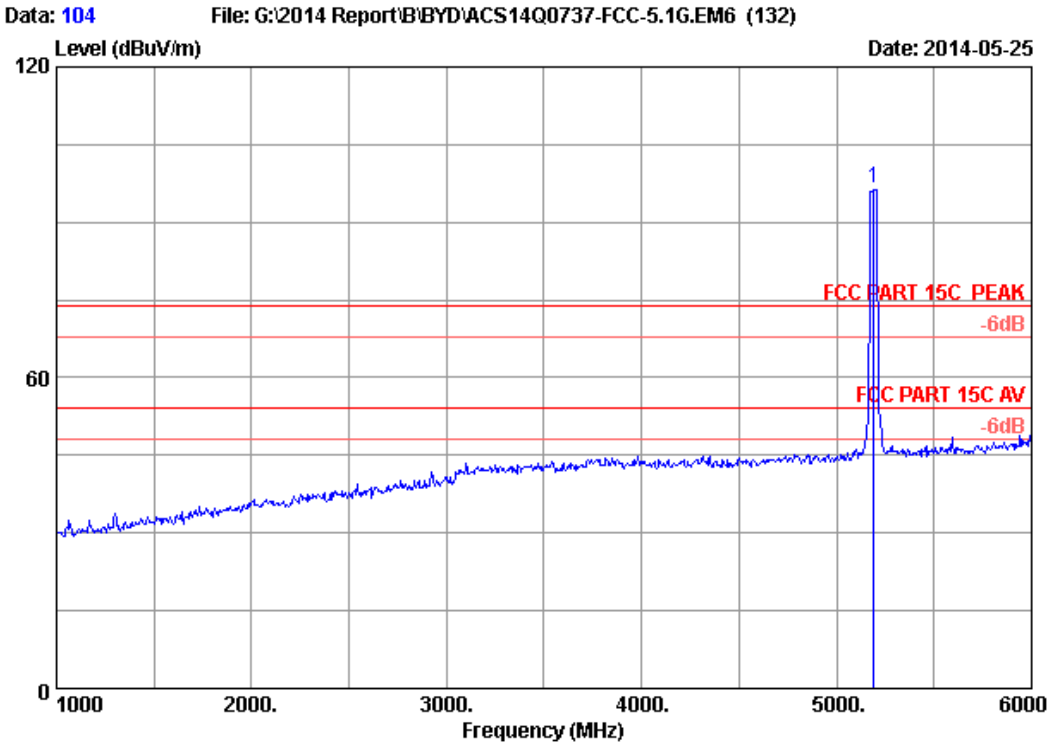
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5190.000	33.50	8.96	35.70	85.85	92.61	74.00	-18.61	Peak

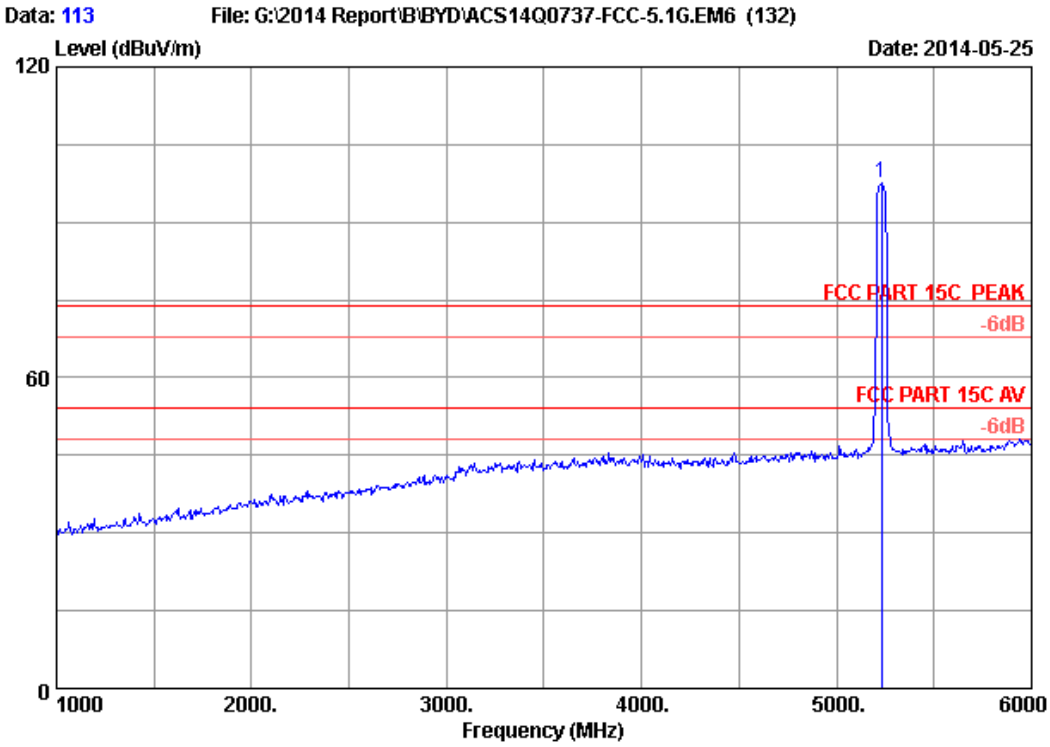
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5190.000	33.50	8.96	35.70	89.79	96.55	74.00	-22.55	Peak

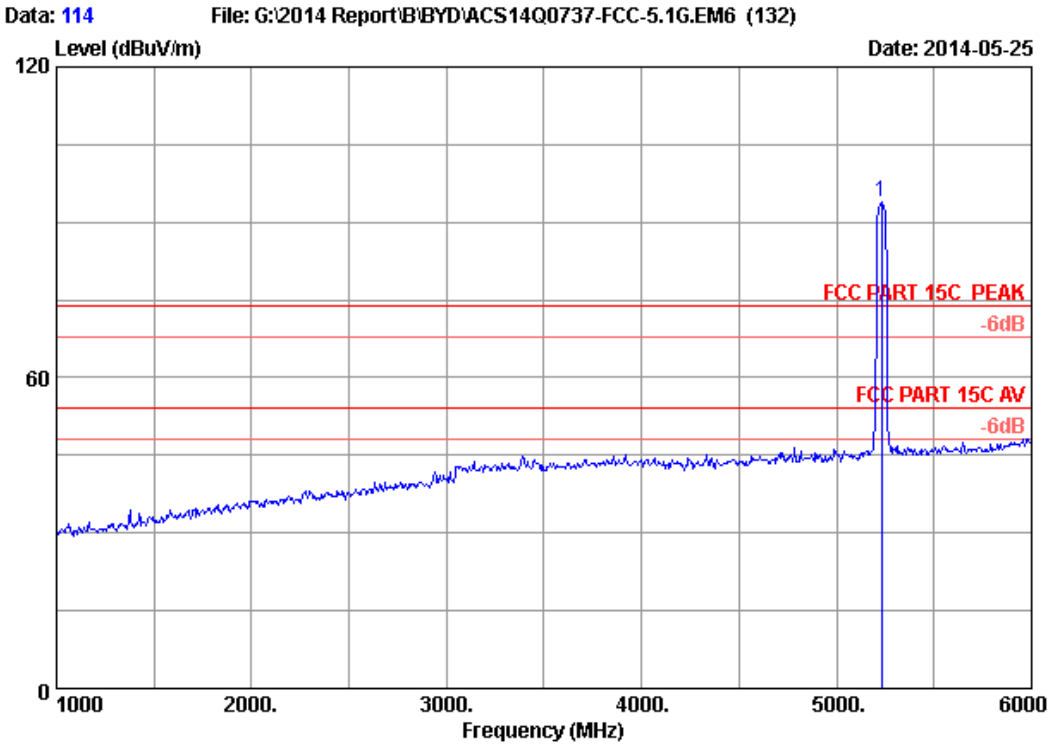
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 113
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5230.000	33.57	9.01	35.70	90.75	97.63	74.00	-23.63	Peak

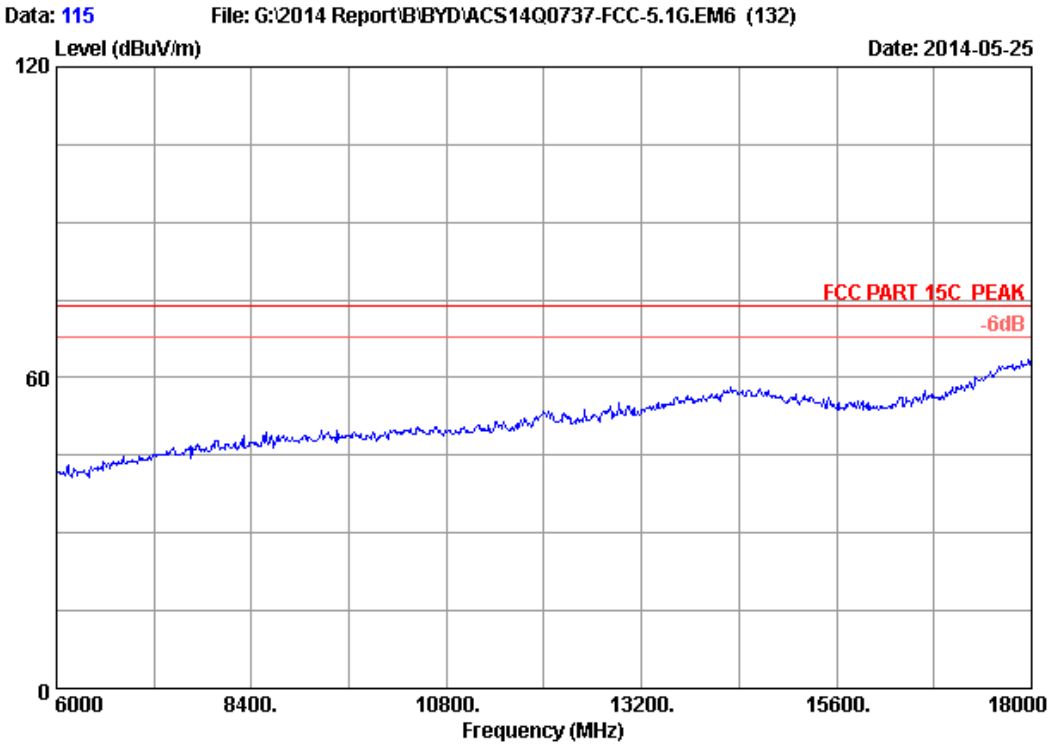
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



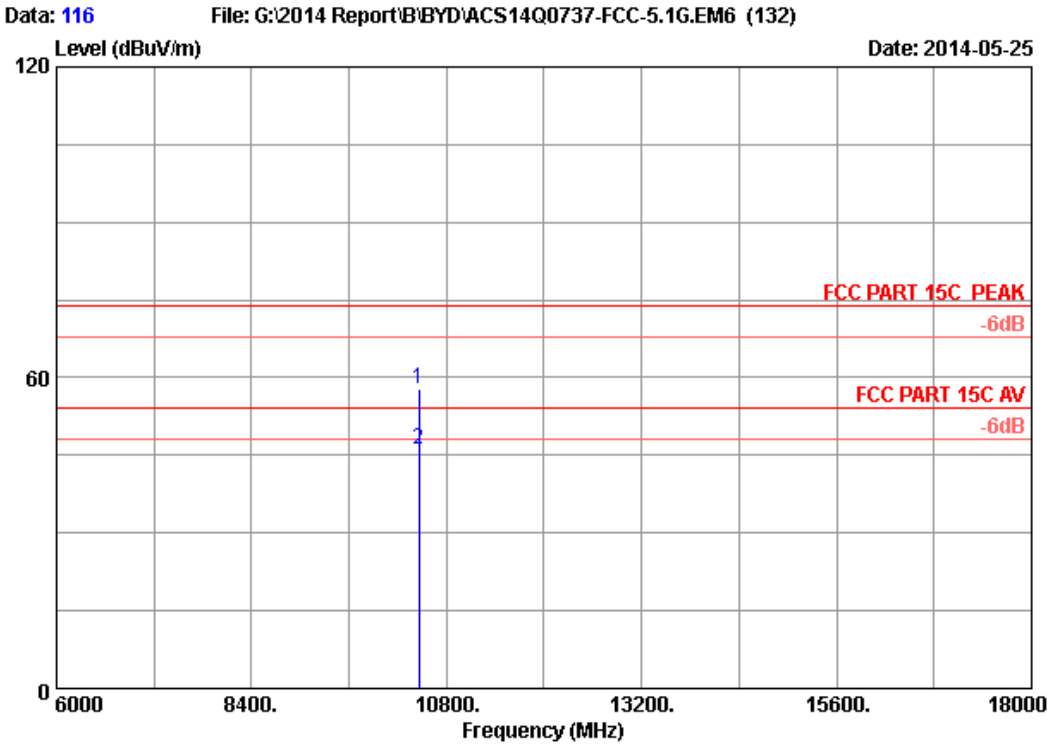
Site no. : 3m Chamber Data no. : 114
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5230.000	33.57	9.01	35.70	87.04	93.92	74.00	-19.92	Peak

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



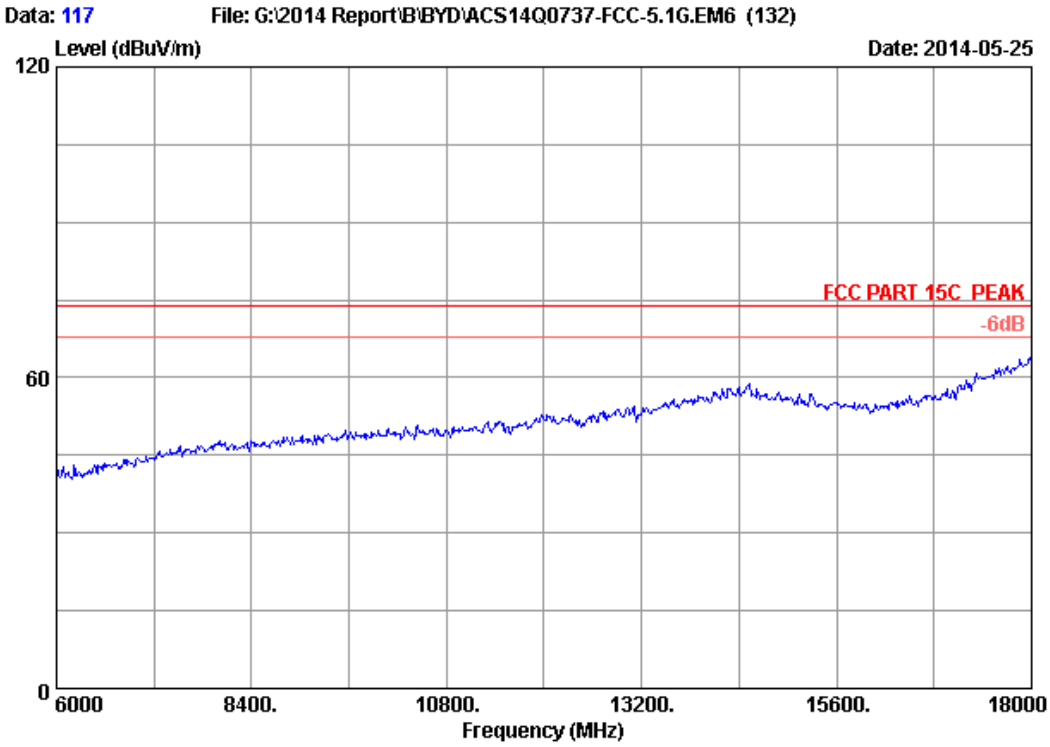

```
Site no.      : 3m Chamber                        Data no.  : 115
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT40  CH46  5230MHz  Tx
M/N           : BEL01
```



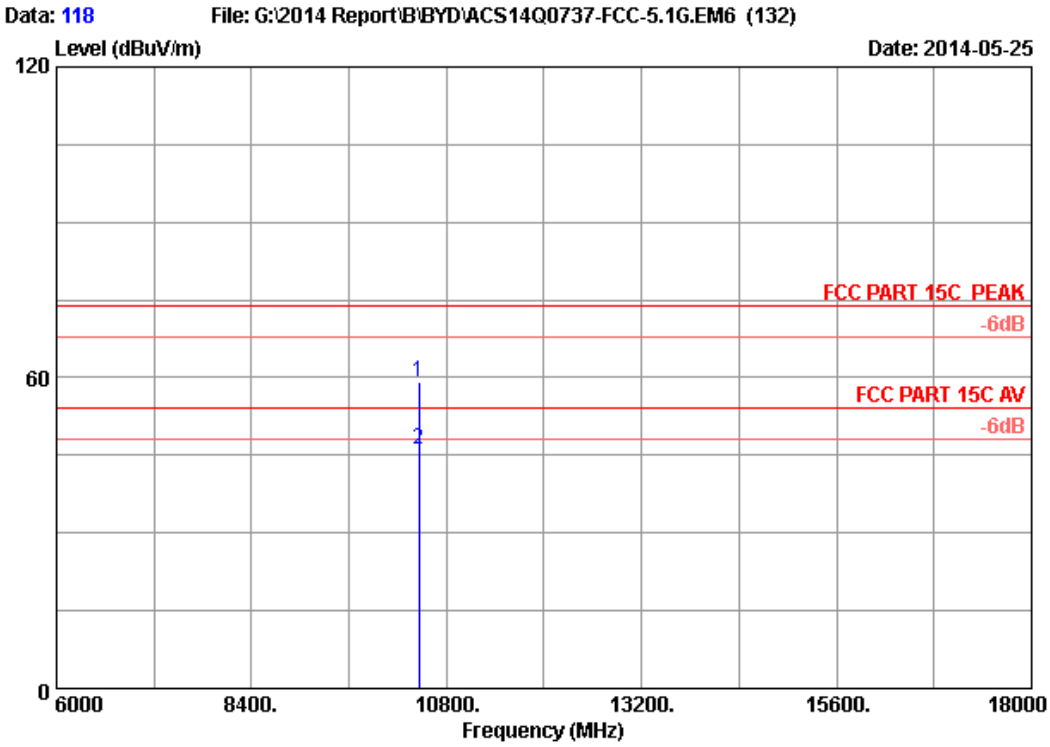
Site no. : 3m Chamber Data no. : 116
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	10460.000	38.18	12.69	35.43	42.55	57.99	74.00	16.01	Peak
2	10460.000	38.18	12.69	35.43	30.69	46.13	54.00	7.87	Average

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



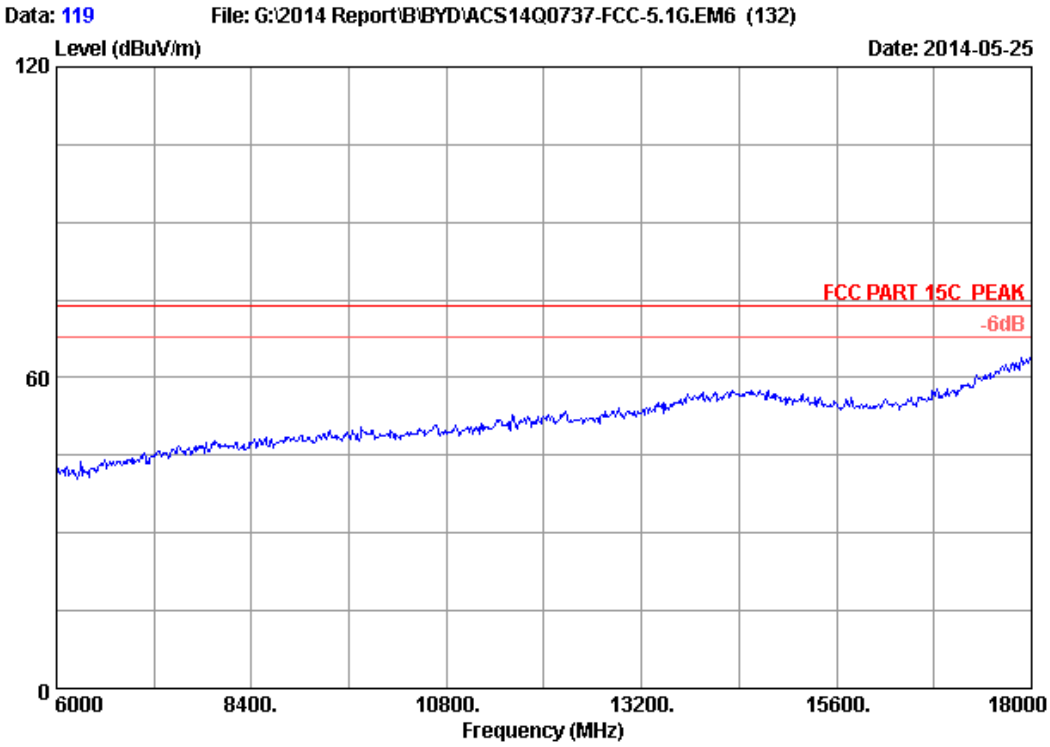

```
Site no.      : 3m Chamber                      Data no.  : 117
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT40  CH46  5230MHz  Tx
M/N           : BEL01
```



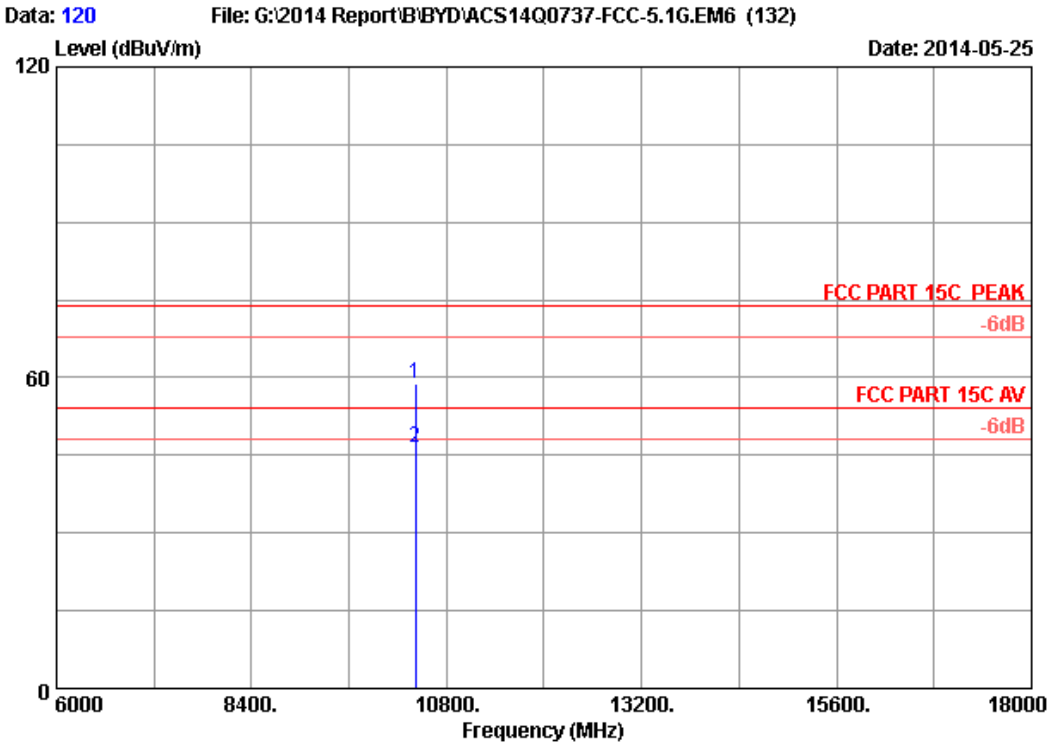
Site no. : 3m Chamber Data no. : 118
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	10460.000	38.18	12.69	35.43	43.58	59.02	74.00	14.98	Peak
2	10460.000	38.18	12.69	35.43	30.69	46.13	54.00	7.87	Average

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



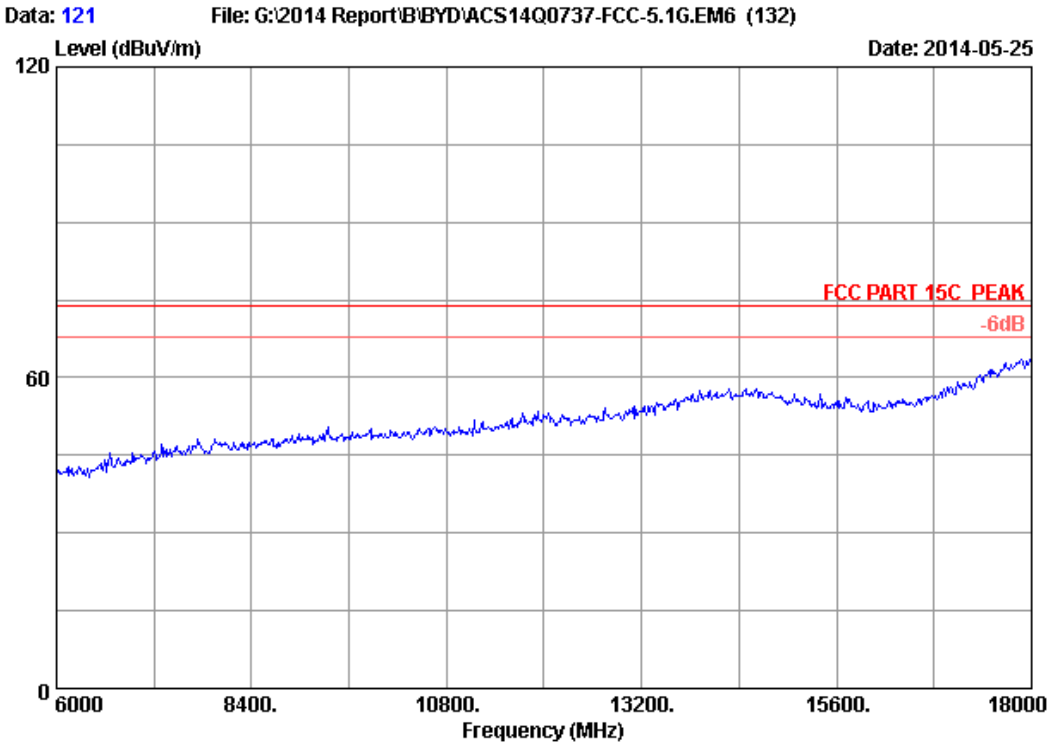

```
Site no.      : 3m Chamber                      Data no.  : 119
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT80  CH42  5210MHz  Tx
M/N           : BEL01
```



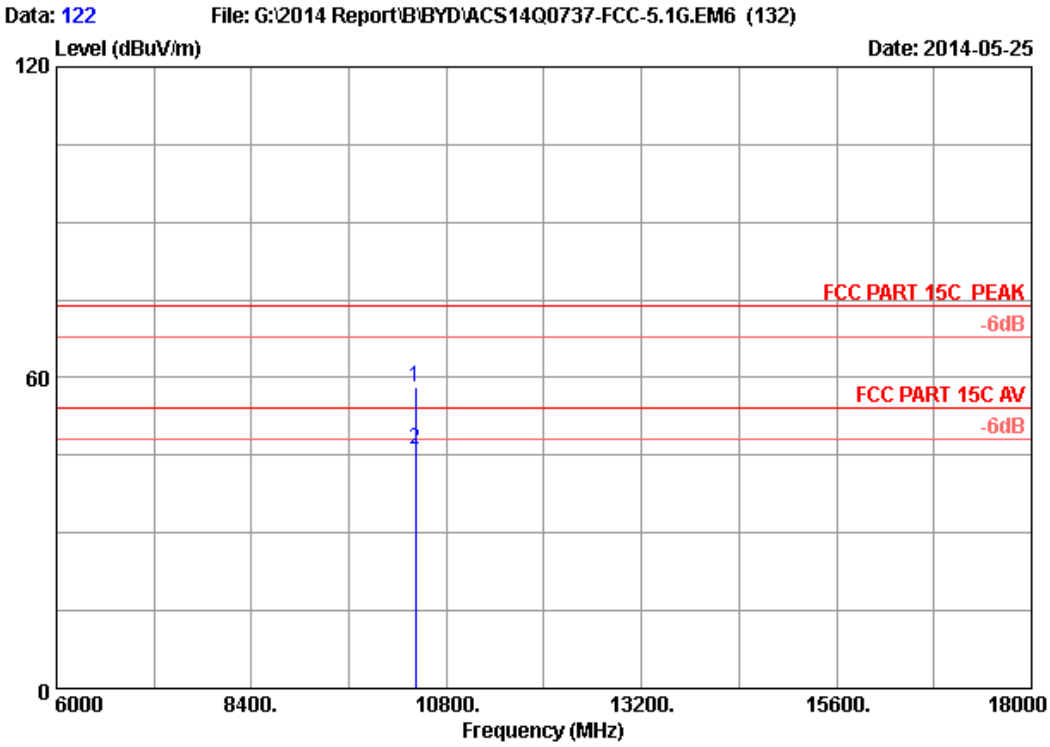
Site no. : 3m Chamber Data no. : 120
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	10420.000	38.17	12.67	35.44	43.27	58.67	74.00	15.33	Peak
2	10420.000	38.17	12.67	35.44	31.18	46.58	54.00	7.42	Average

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



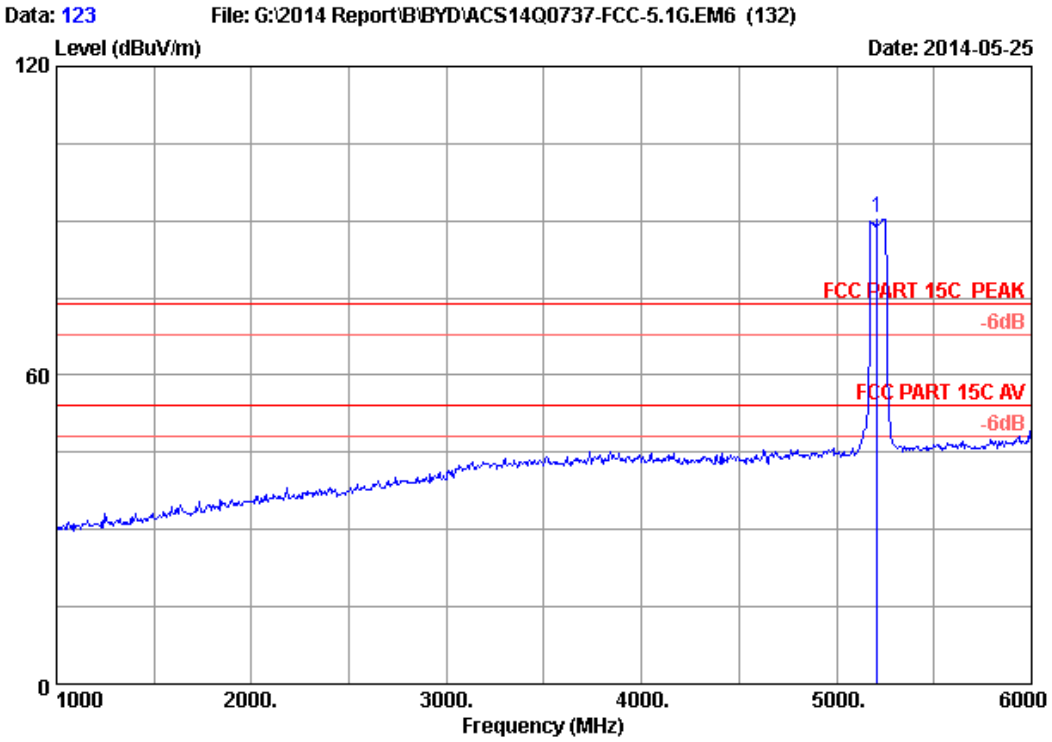

```
Site no.      : 3m Chamber                        Data no.  : 121
Dis. / Ant.   : 3m   2013 3115 (4580)       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 24*C/56%                    Engineer  : Kevin_HMJ
EUT           : Dell Cast Adapter
Power Rating  : DC 5V From PC Input AC 120V/60Hz
Test Mode     : IEEE802.11ac VHT80  CH42  5210MHz  Tx
M/N           : BEL01
```



Site no. : 3m Chamber Data no. : 122
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	10420.000	38.17	12.67	35.44	42.73	58.13	74.00	15.87	Peak
2	10420.000	38.17	12.67	35.44	30.88	46.28	54.00	7.72	Average

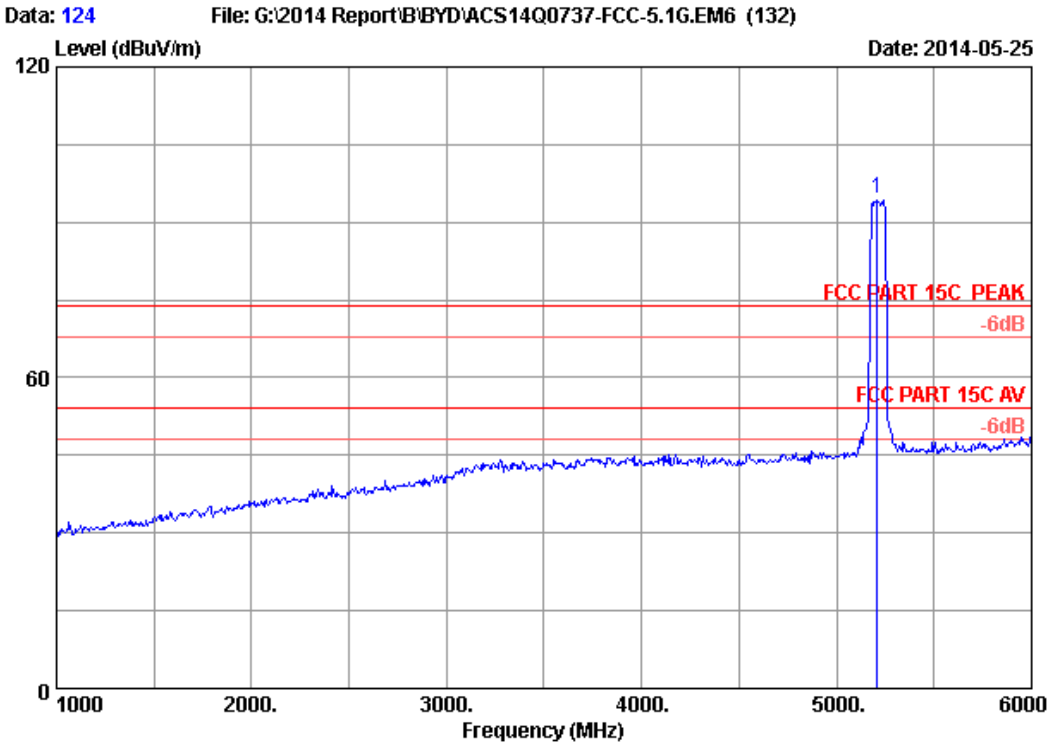
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 123
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5210.000	33.54	8.98	35.70	83.79	90.61	74.00	-16.61	Peak

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



Site no. : 3m Chamber Data no. : 124
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5210.000	33.54	8.98	35.70	87.64	94.46	74.00	-20.46	Peak

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

5. BAND EDGE COMPLIANCE TEST

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr. 28,14	1 Year
2.	Amp	HP	8449B	3008A02495	Apr. 28,14	1 Year
3.	Horn Antenna	EMCO	3115	9607-4877	Aug.27, 13	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr. 28,14	1 Year
5	RF Cable	Hubersuhner	Sucoflex102	28610/2	Apr. 28,14	1 Year

5.2.Limit

All the lower and upper band-edges emissions appearing within restricted frequency bands shall not exceed the limits shown in 15.209, all the emissions outside operation frequency band shall company with 15.407(b)(1) requirement.

5.3.Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

(a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
(b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

5. The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.

6. The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.

7. A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.

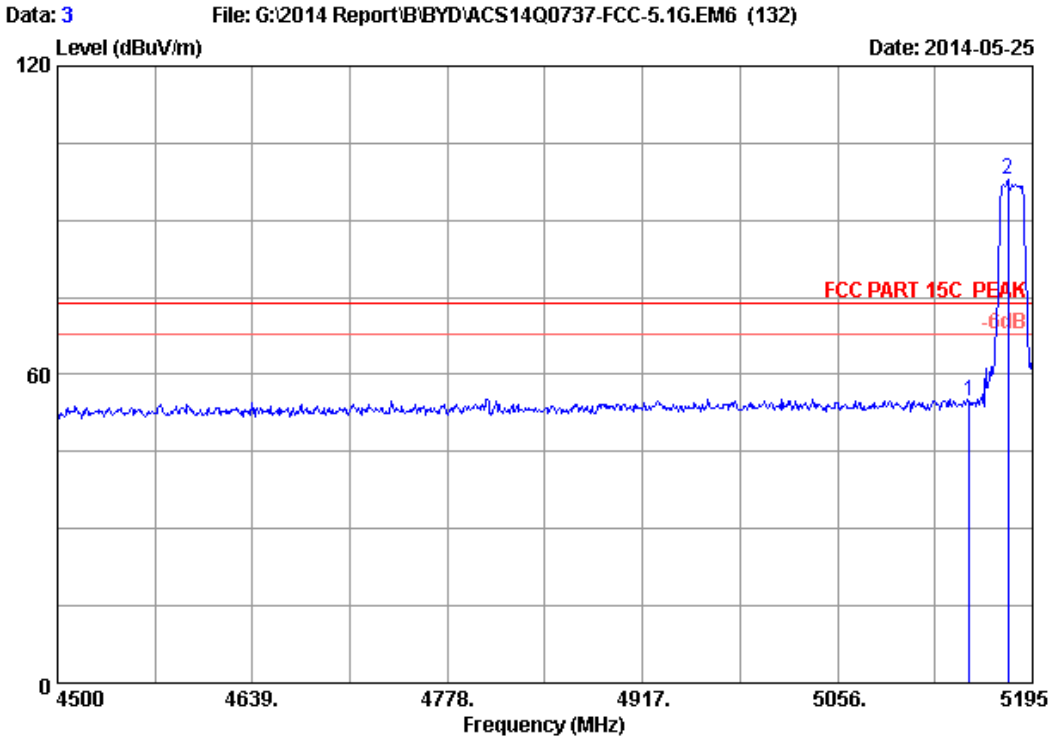
8. Repeated step 4 with both antenna polarizations

9. The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna.

5.4. Test Results

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

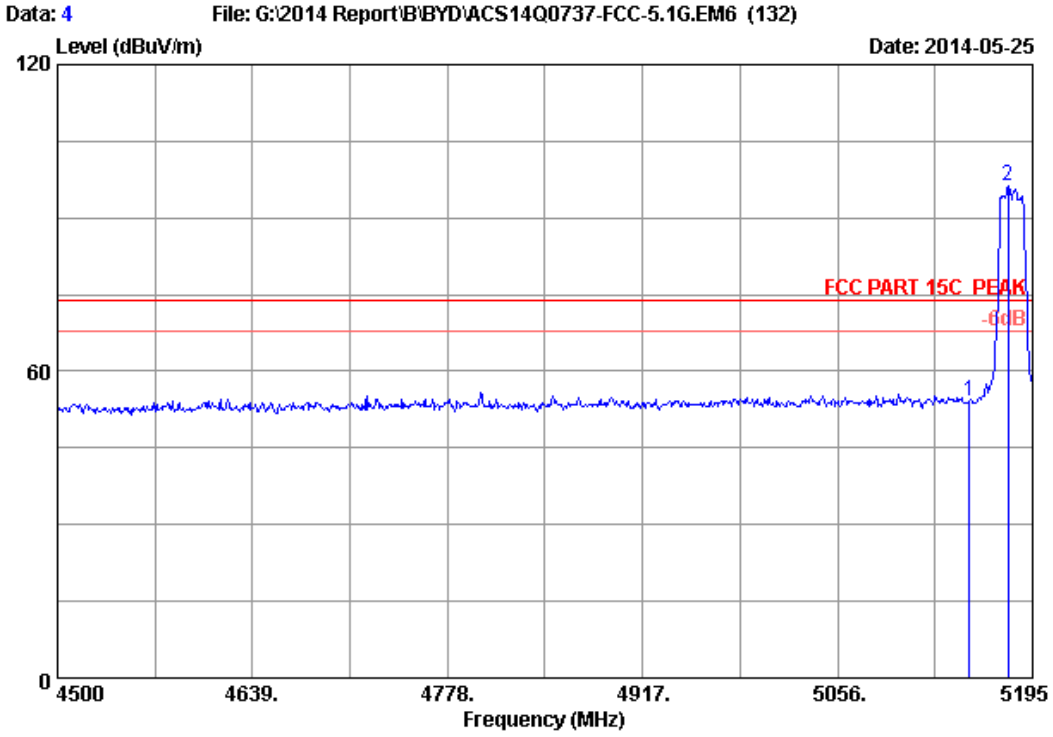
Band 1(5150-5250MHz):



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	48.17	54.83	74.00	19.17	Peak
2	5177.625	33.48	8.95	35.70	91.08	97.81	74.00	-23.81	Peak

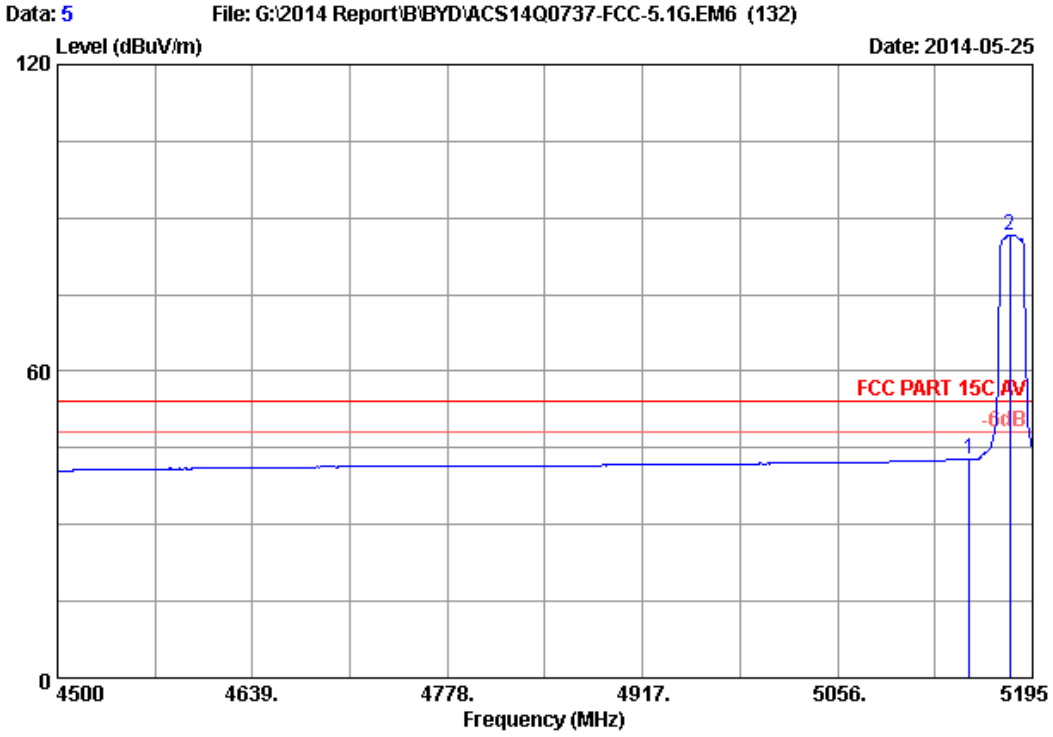
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	47.49	54.15	74.00	19.85	Peak
2	5177.625	33.48	8.95	35.70	89.49	96.22	74.00	-22.22	Peak

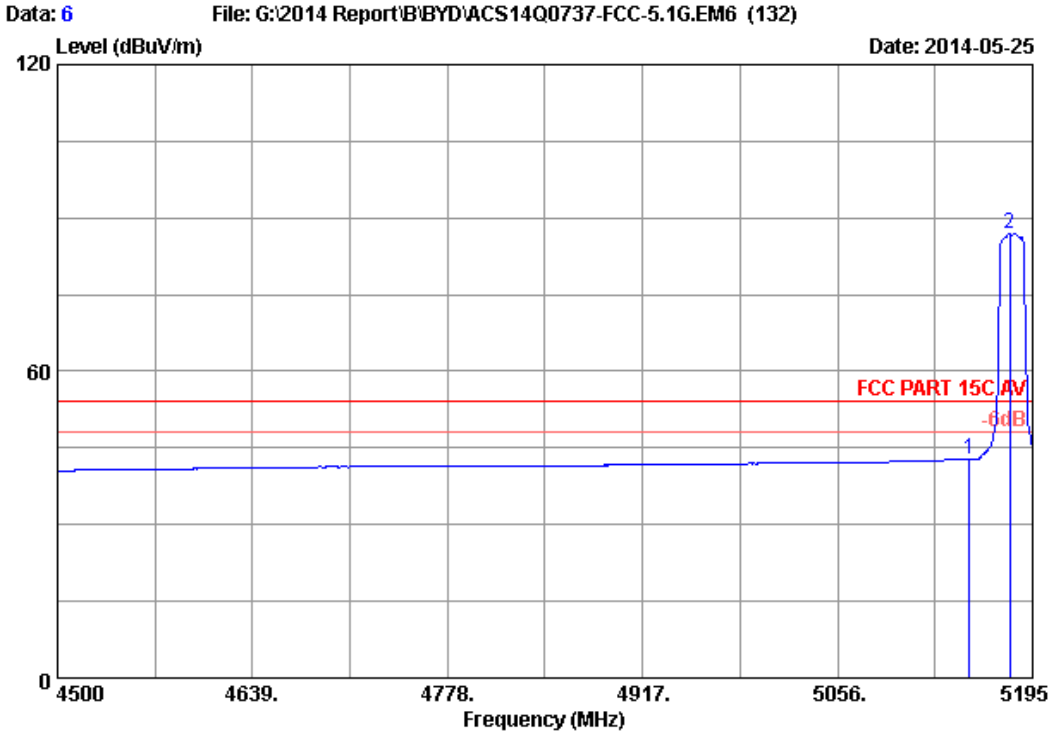
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	35.97	42.63	54.00	11.37	Average
2	5179.015	33.49	8.95	35.70	80.00	86.74	54.00	-32.74	Average

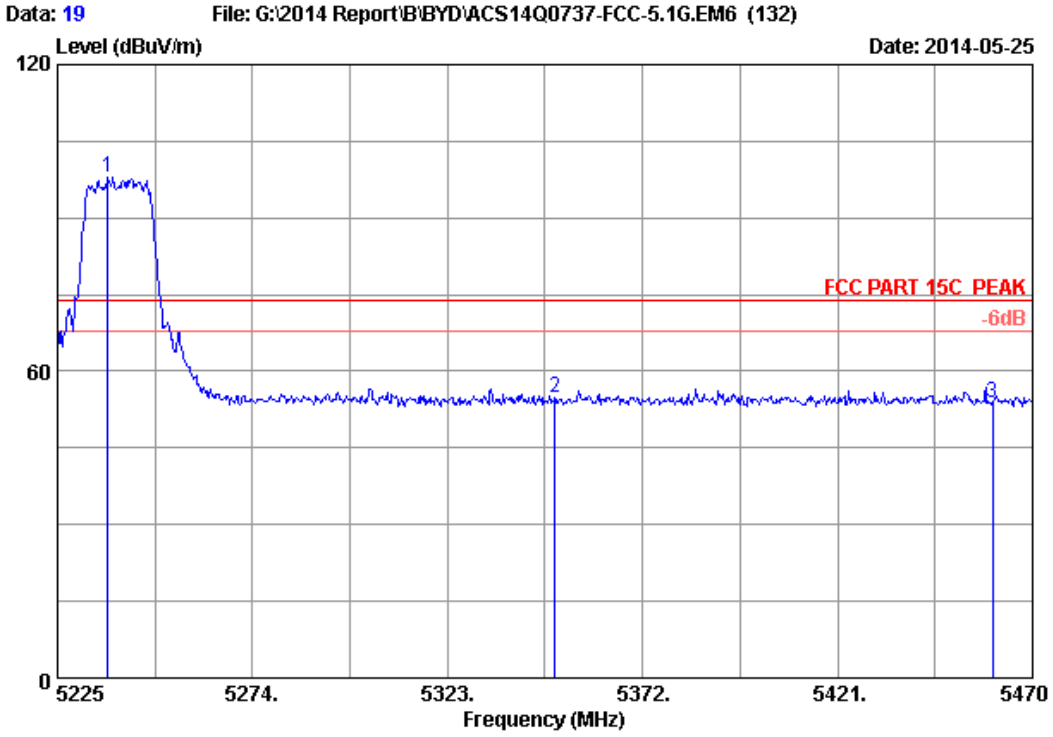
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	35.98	42.64	54.00	11.36	Average
2	5179.015	33.49	8.95	35.70	80.19	86.93	54.00	-32.93	Average

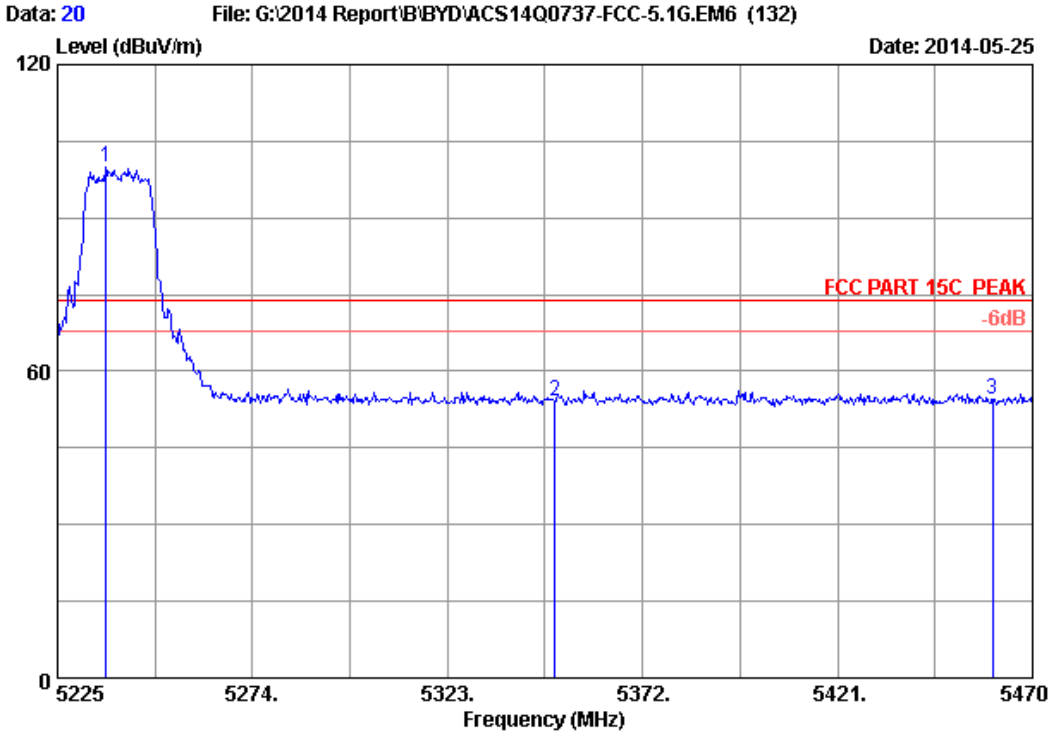
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5237.740	33.58	9.01	35.70	91.11	98.00	74.00	-24.00	Peak
2	5350.000	33.76	9.13	35.70	47.71	54.90	74.00	19.10	Peak
3	5460.000	33.94	9.25	35.70	46.34	53.83	74.00	20.17	Peak

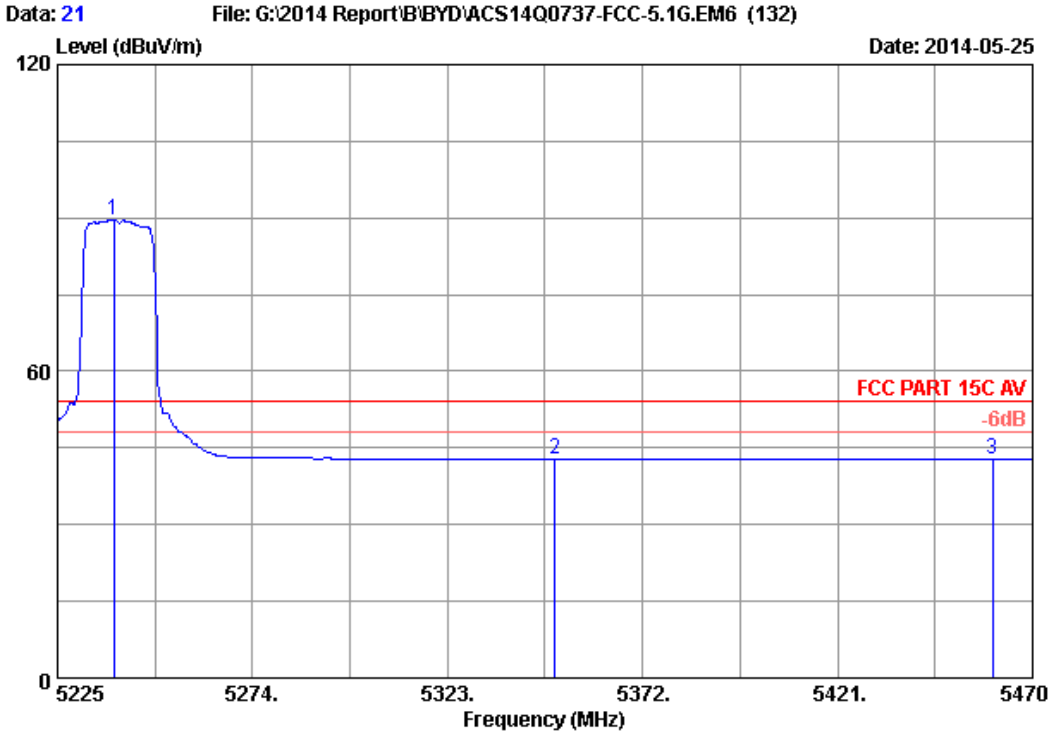
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5237.250	33.58	9.01	35.70	93.08	99.97	74.00	-25.97	Peak
2	5350.000	33.76	9.13	35.70	46.90	54.09	74.00	19.91	Peak
3	5460.000	33.94	9.25	35.70	46.90	54.39	74.00	19.61	Peak

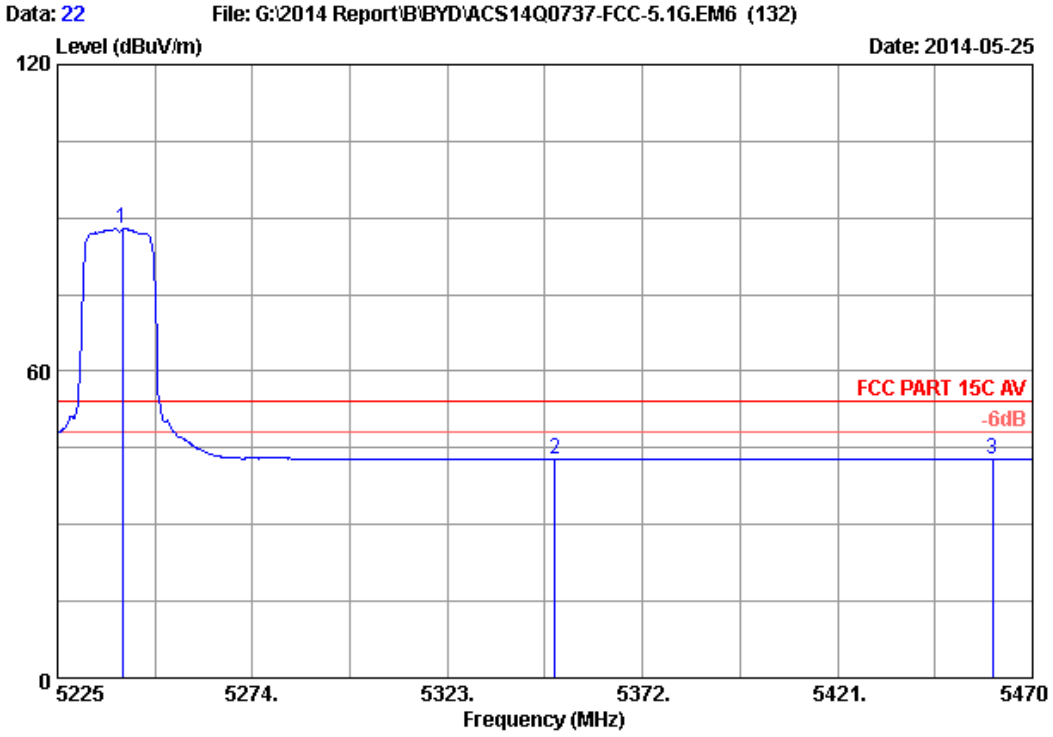
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5239.210	33.58	9.02	35.70	82.65	89.55	54.00	-35.55	Average
2	5350.000	33.76	9.13	35.70	35.58	42.77	54.00	11.23	Average
3	5460.000	33.94	9.25	35.70	35.24	42.73	54.00	11.27	Average

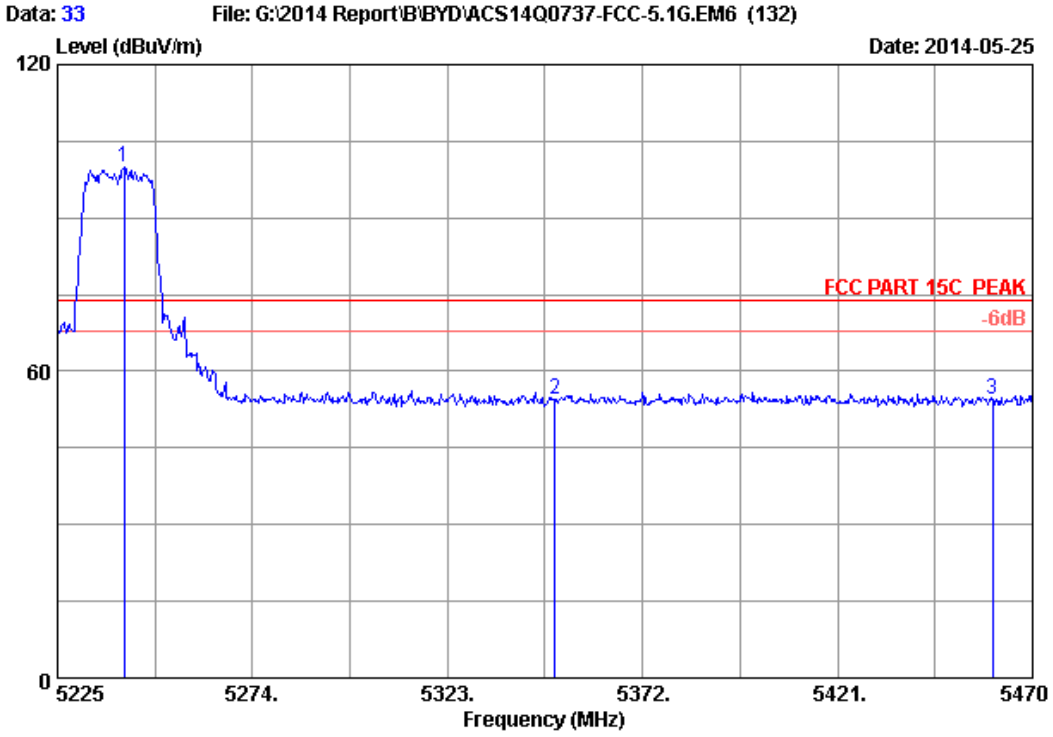
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11a CH48 5240MHz Tx
M/N : BEL01

No.	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	5241.415	33.59	9.02	35.70	80.90	87.81	54.00	-33.81	Average
2	5350.000	33.76	9.13	35.70	35.50	42.69	54.00	11.31	Average
3	5460.000	33.94	9.25	35.70	35.20	42.69	54.00	11.31	Average

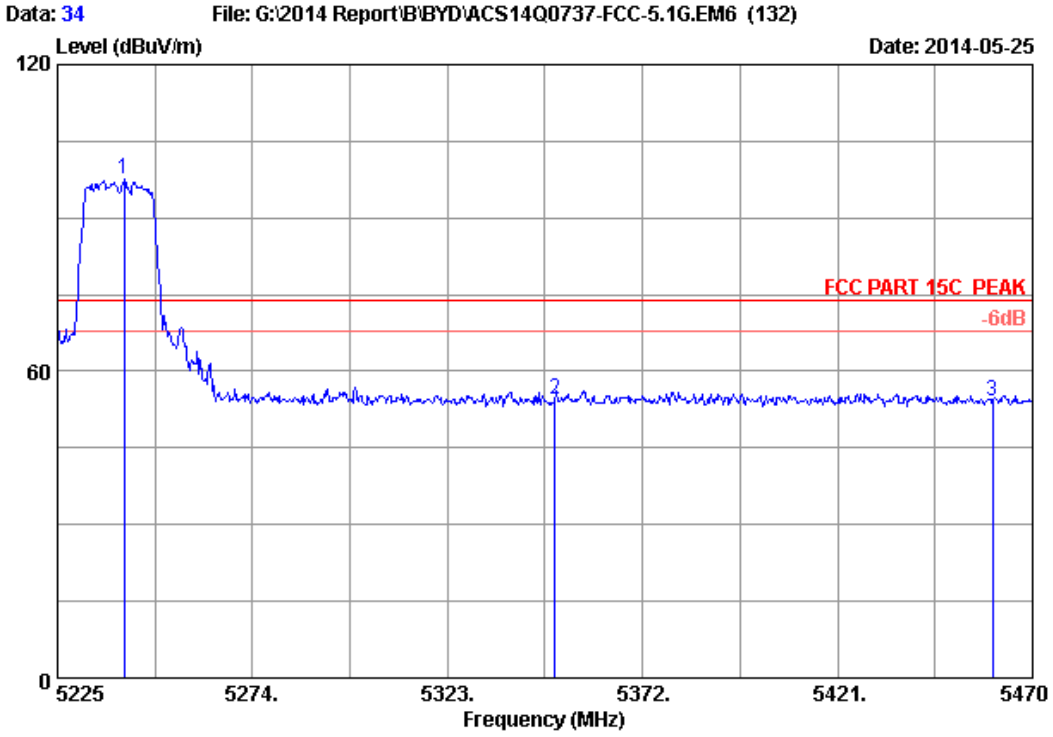
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5241.660	33.59	9.02	35.70	93.13	100.04	74.00	-26.04	Peak
2	5350.000	33.76	9.13	35.70	47.36	54.55	74.00	19.45	Peak
3	5460.000	33.94	9.25	35.70	47.03	54.52	74.00	19.48	Peak

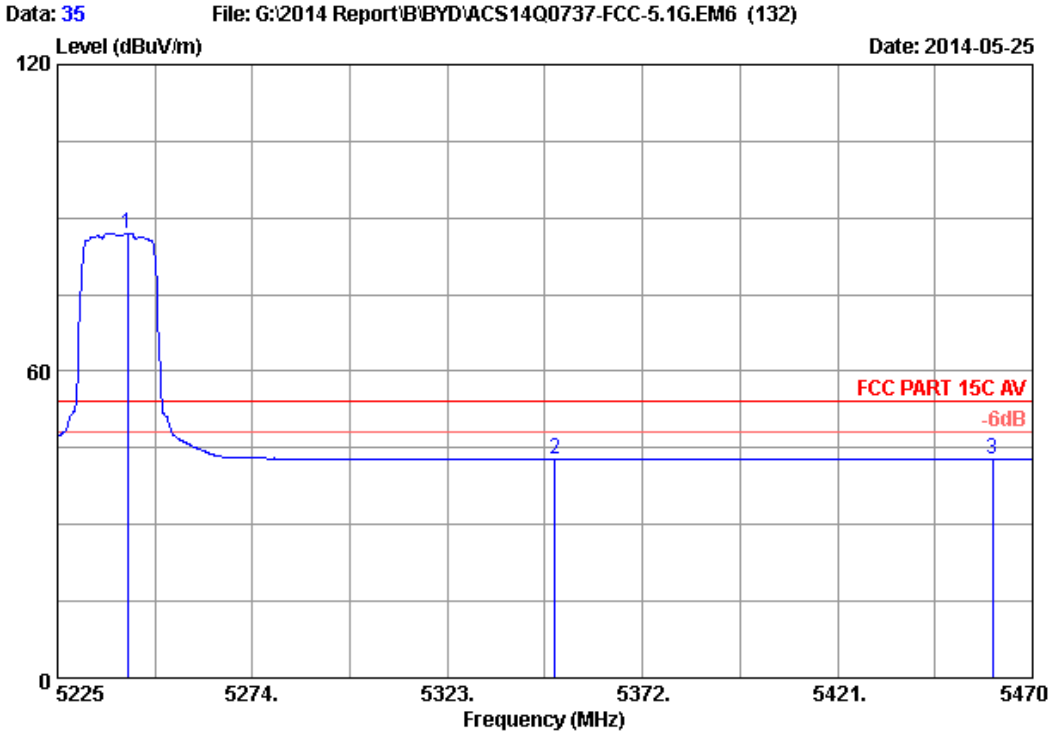
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5241.660	33.59	9.02	35.70	90.75	97.66	74.00	-23.66	Peak
2	5350.000	33.76	9.13	35.70	47.27	54.46	74.00	19.54	Peak
3	5460.000	33.94	9.25	35.70	46.67	54.16	74.00	19.84	Peak

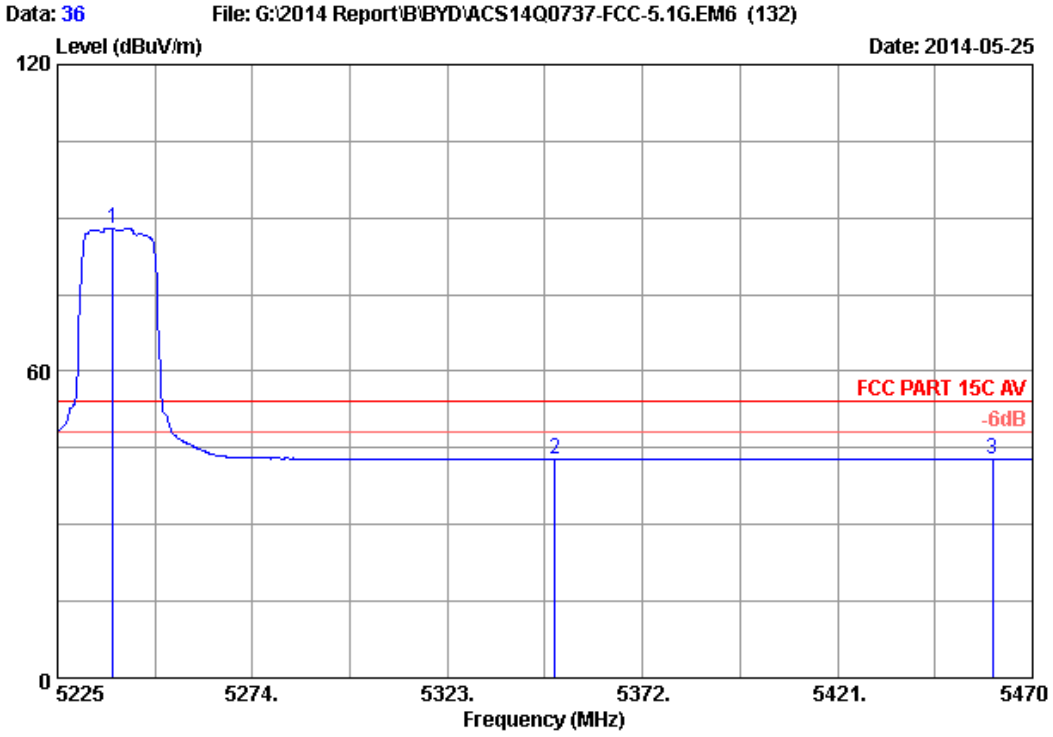
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5242.640	33.59	9.02	35.70	80.12	87.03	54.00	-33.03	Average
2	5350.000	33.76	9.13	35.70	35.48	42.67	54.00	11.33	Average
3	5460.000	33.94	9.25	35.70	35.22	42.71	54.00	11.29	Average

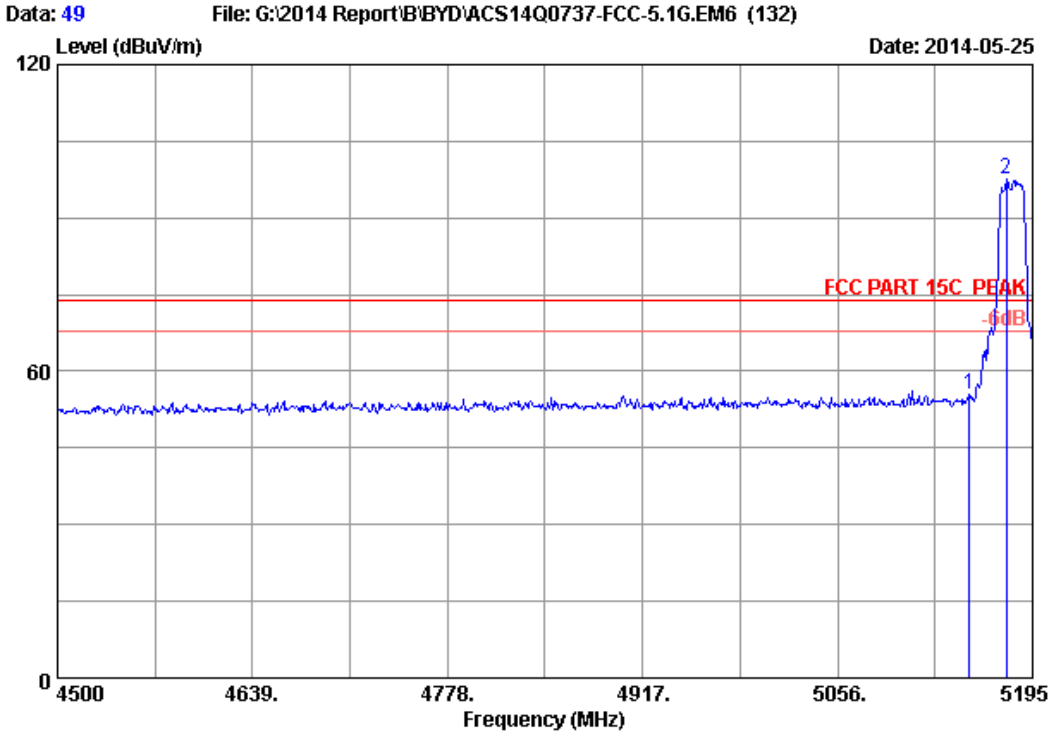
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5238.965	33.58	9.02	35.70	81.09	87.99	54.00	-33.99	Average
2	5350.000	33.76	9.13	35.70	35.53	42.72	54.00	11.28	Average
3	5460.000	33.94	9.25	35.70	35.18	42.67	54.00	11.33	Average

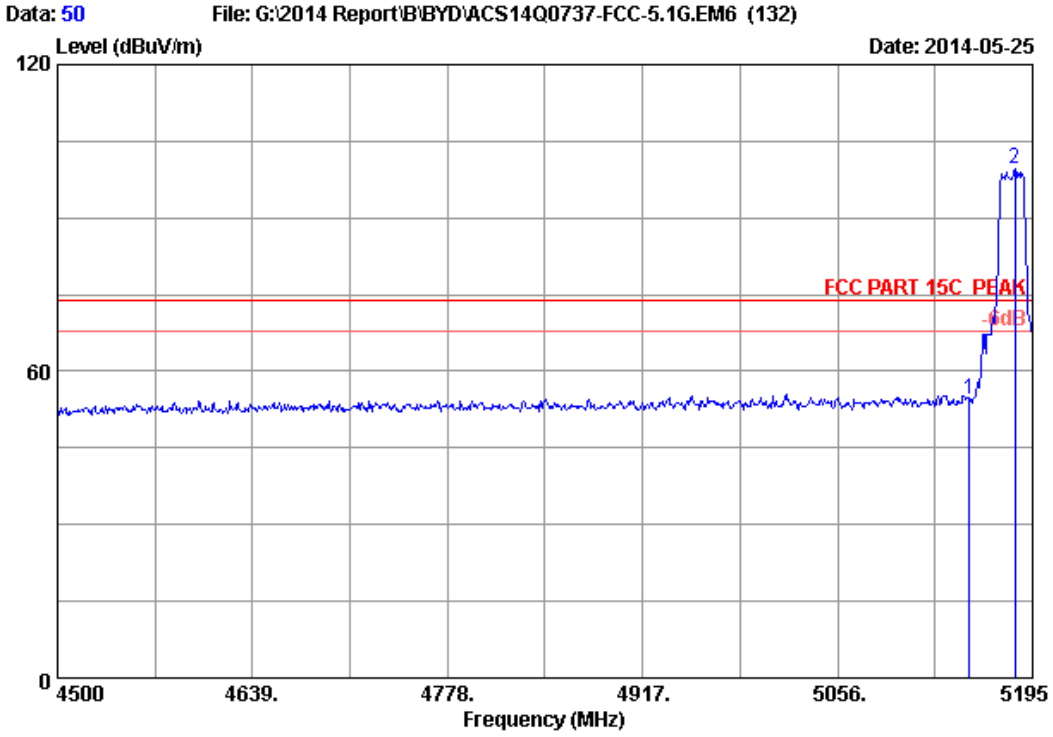
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	48.75	55.41	74.00	18.59	Peak
2	5176.235	33.48	8.95	35.70	90.84	97.57	74.00	-23.57	Peak

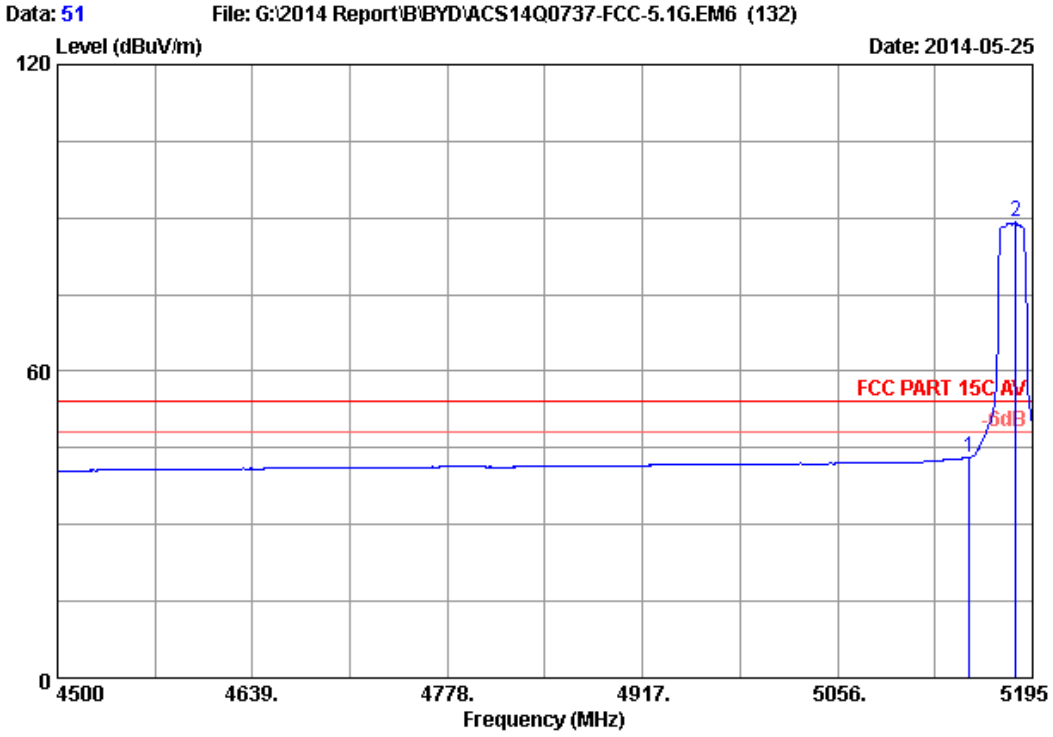
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	47.86	54.52	74.00	19.48	Peak
2	5182.490	33.49	8.96	35.70	93.00	99.75	74.00	-25.75	Peak

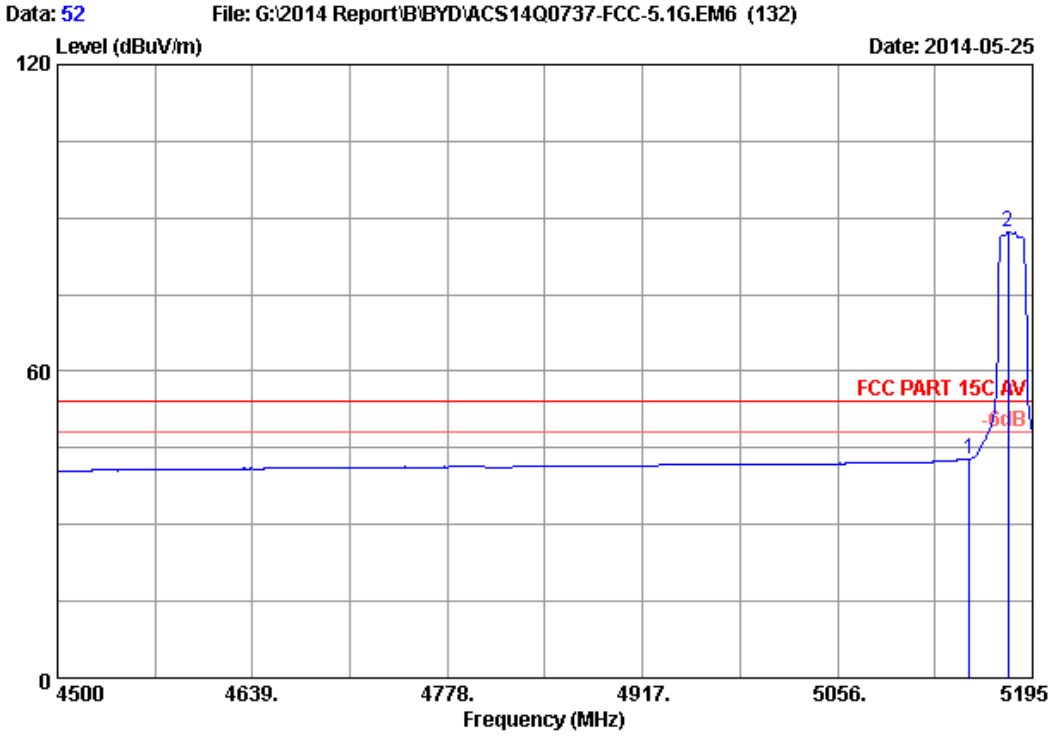
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	36.36	43.02	54.00	10.98	Average
2	5183.185	33.49	8.96	35.70	82.34	89.09	54.00	-35.09	Average

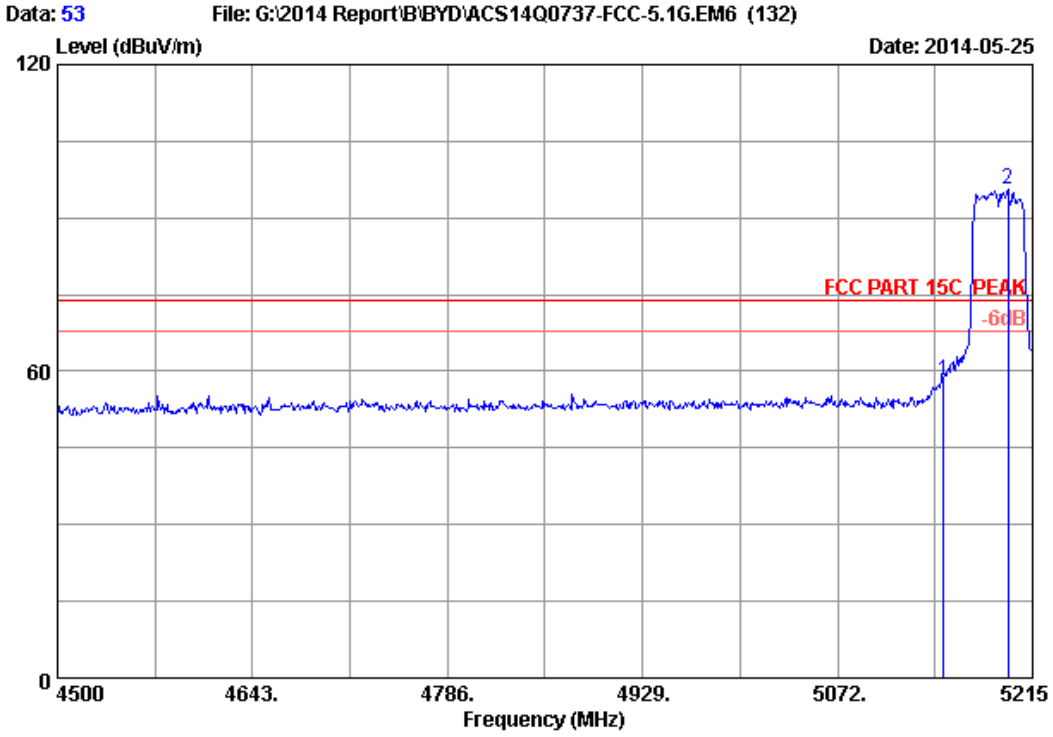
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	36.10	42.76	54.00	11.24	Average
2	5177.625	33.48	8.95	35.70	80.49	87.22	54.00	-33.22	Average

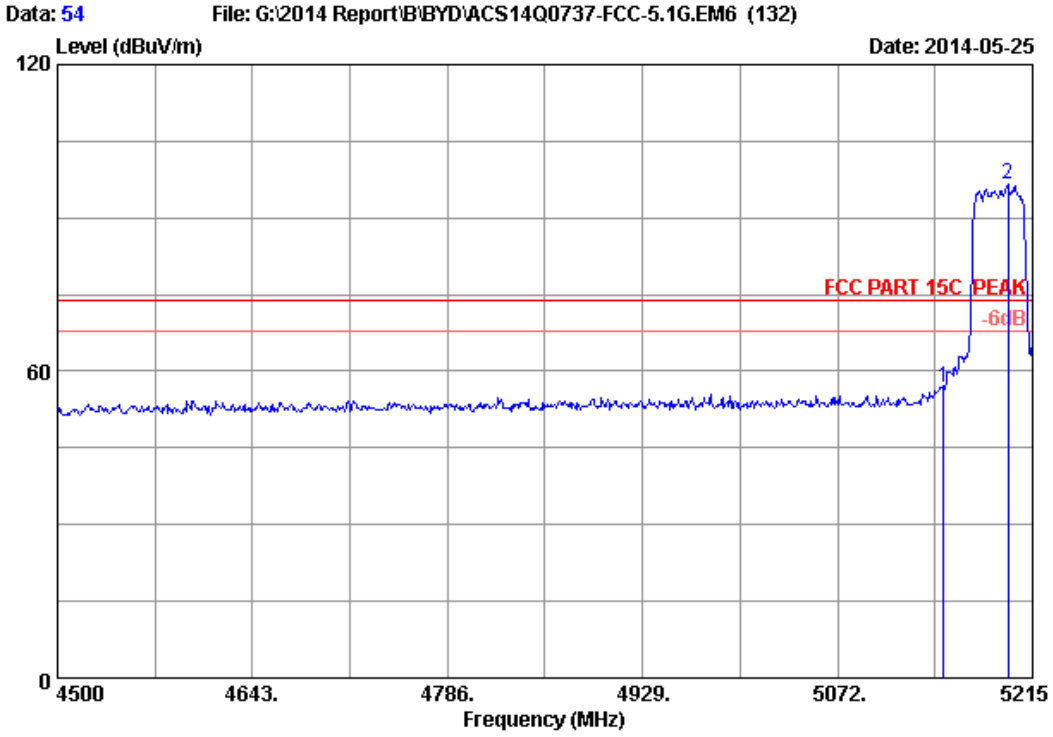
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	51.57	58.23	74.00	15.77	Peak
2	5197.125	33.52	8.97	35.70	88.90	95.69	74.00	-21.69	Peak

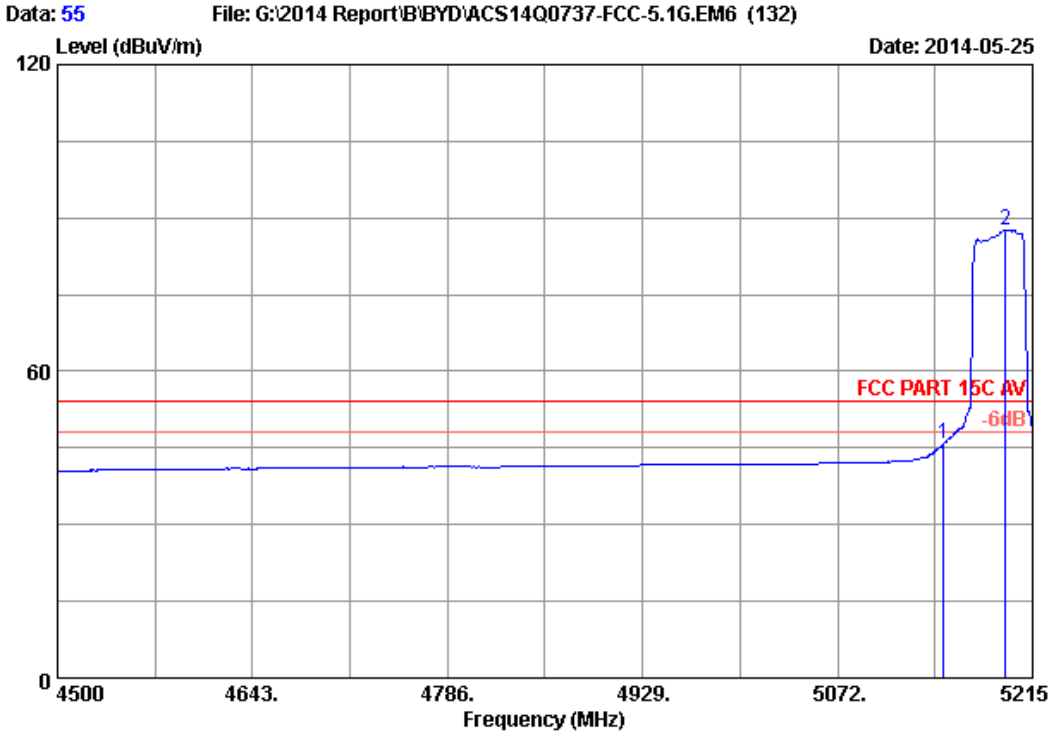
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	50.13	56.79	74.00	17.21	Peak
2	5197.125	33.52	8.97	35.70	89.77	96.56	74.00	-22.56	Peak

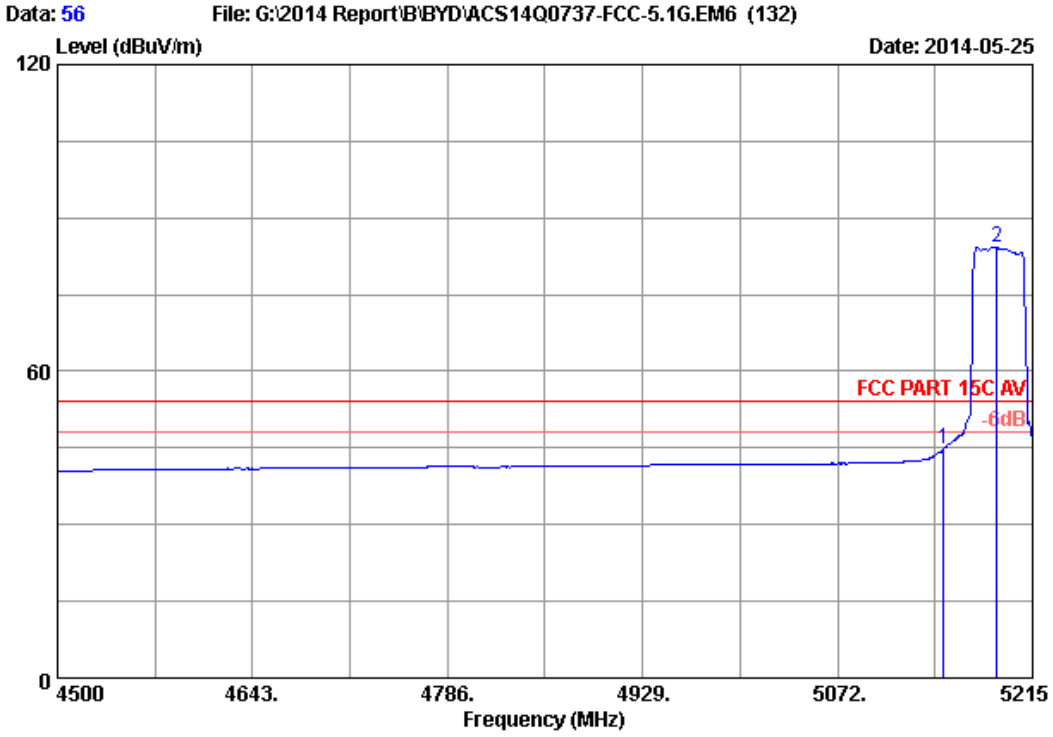
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	39.18	45.84	54.00	8.16	Average
2	5194.980	33.51	8.97	35.70	80.94	87.72	54.00	-33.72	Average

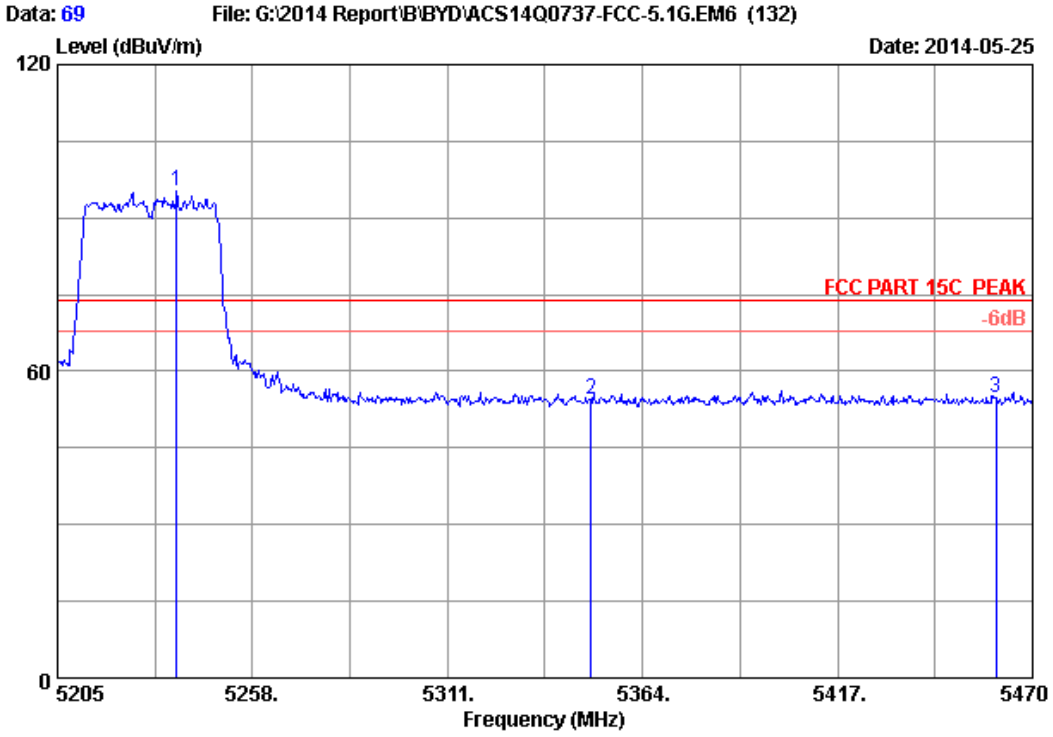
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	38.16	44.82	54.00	9.18	Average
2	5188.545	33.50	8.96	35.70	77.54	84.30	54.00	-30.30	Average

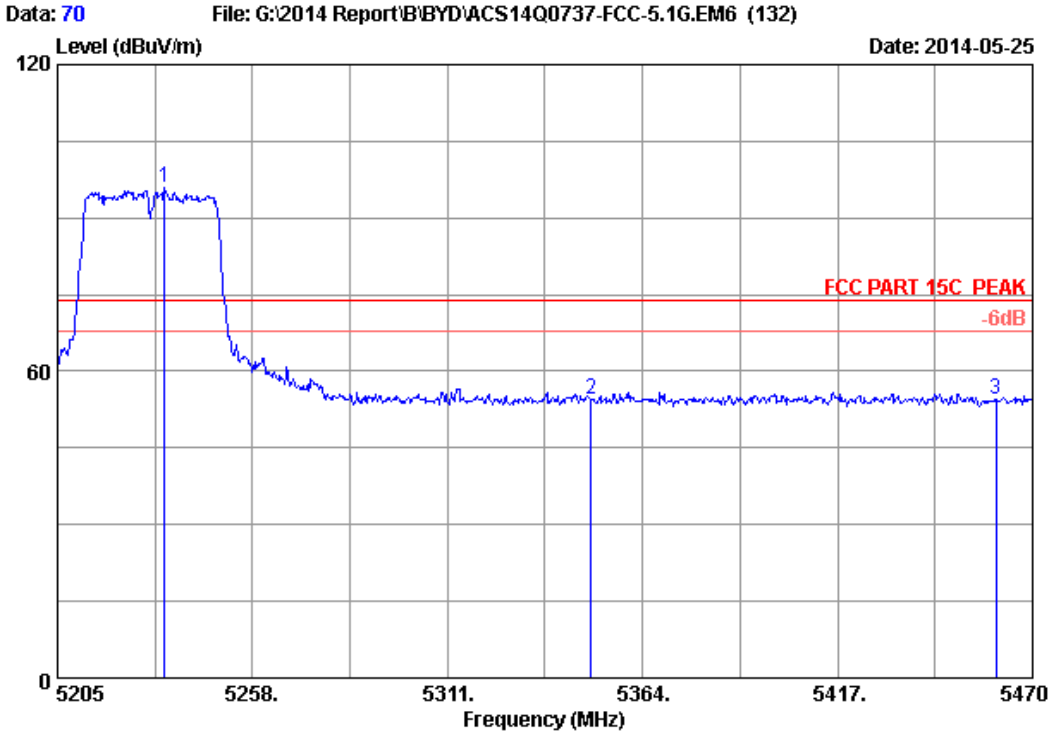
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5237.330	33.58	9.01	35.70	88.46	95.35	74.00	-21.35	Peak
2	5350.000	33.76	9.13	35.70	47.34	54.53	74.00	19.47	Peak
3	5460.000	33.94	9.25	35.70	47.20	54.69	74.00	19.31	Peak

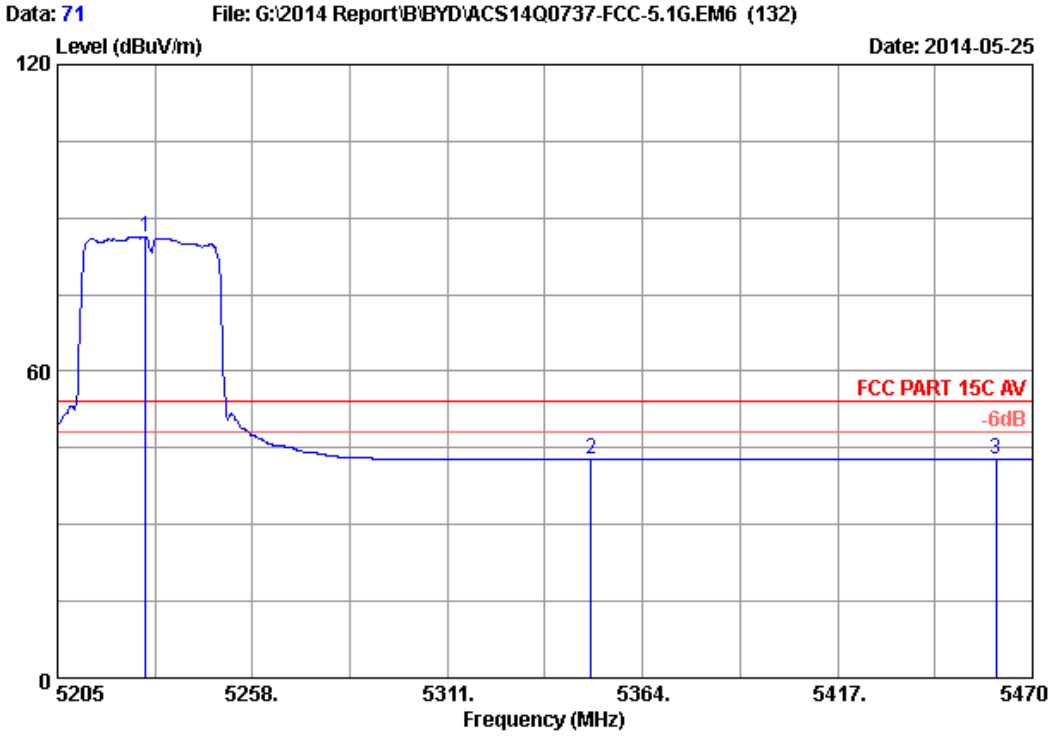
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5234.150	33.57	9.01	35.70	89.10	95.98	74.00	-21.98	Peak
2	5350.000	33.76	9.13	35.70	47.16	54.35	74.00	19.65	Peak
3	5460.000	33.94	9.25	35.70	46.90	54.39	74.00	19.61	Peak

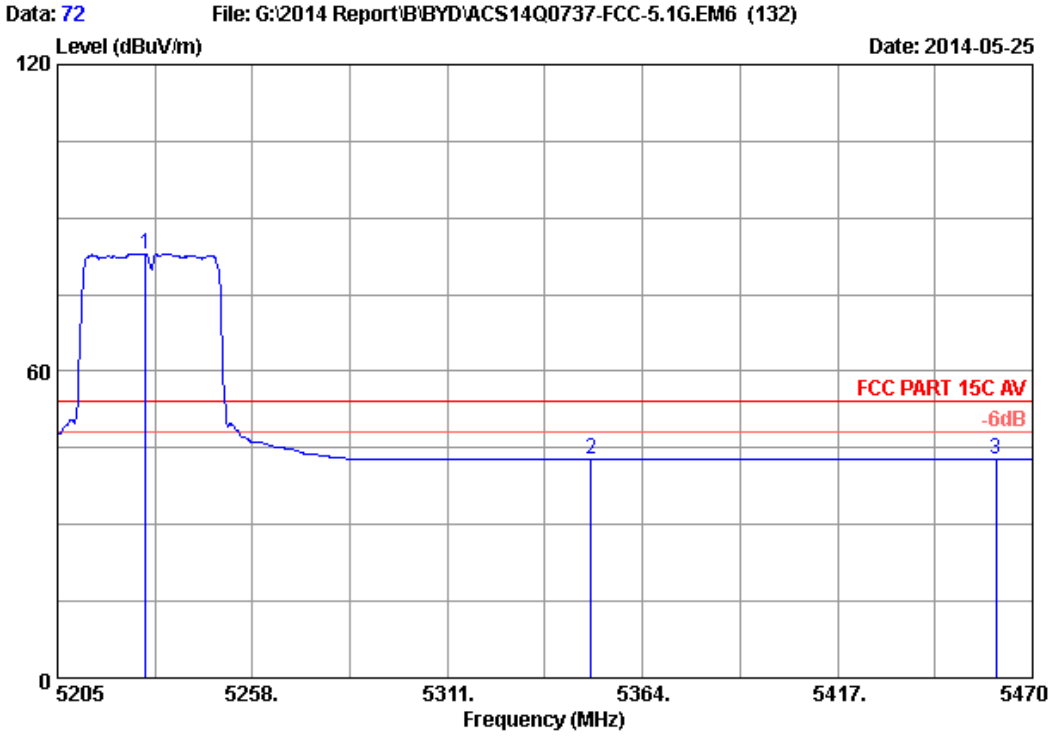
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5228.850	33.57	9.00	35.70	79.39	86.26	54.00	-32.26	Average
2	5350.000	33.76	9.13	35.70	35.49	42.68	54.00	11.32	Average
3	5460.000	33.94	9.25	35.70	35.14	42.63	54.00	11.37	Average

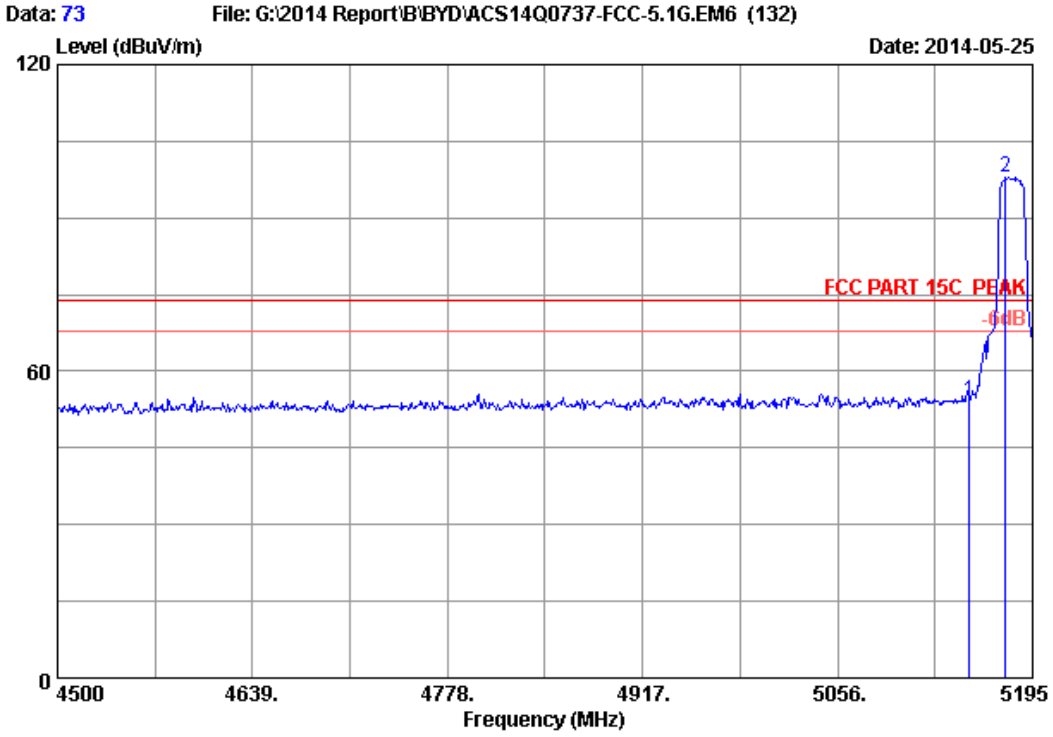
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5228.850	33.57	9.00	35.70	76.10	82.97	54.00	-28.97	Average
2	5350.000	33.76	9.13	35.70	35.48	42.67	54.00	11.33	Average
3	5460.000	33.94	9.25	35.70	35.15	42.64	54.00	11.36	Average

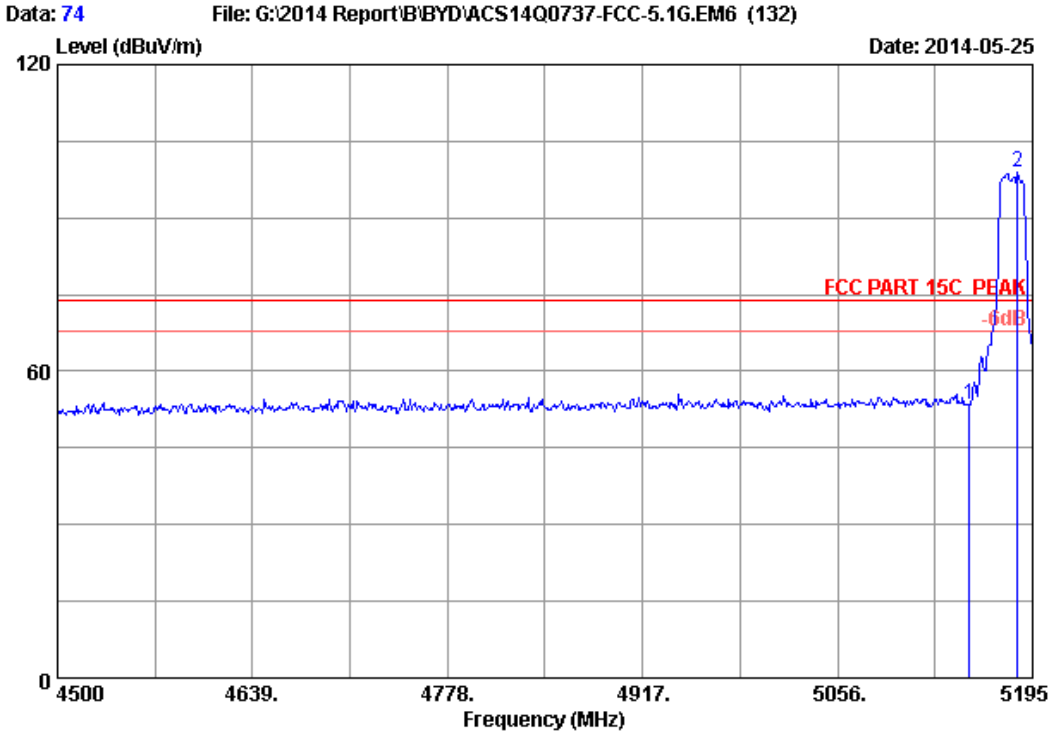
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	47.53	54.19	74.00	19.81	Peak
2	5175.540	33.48	8.95	35.70	91.28	98.01	74.00	-24.01	Peak

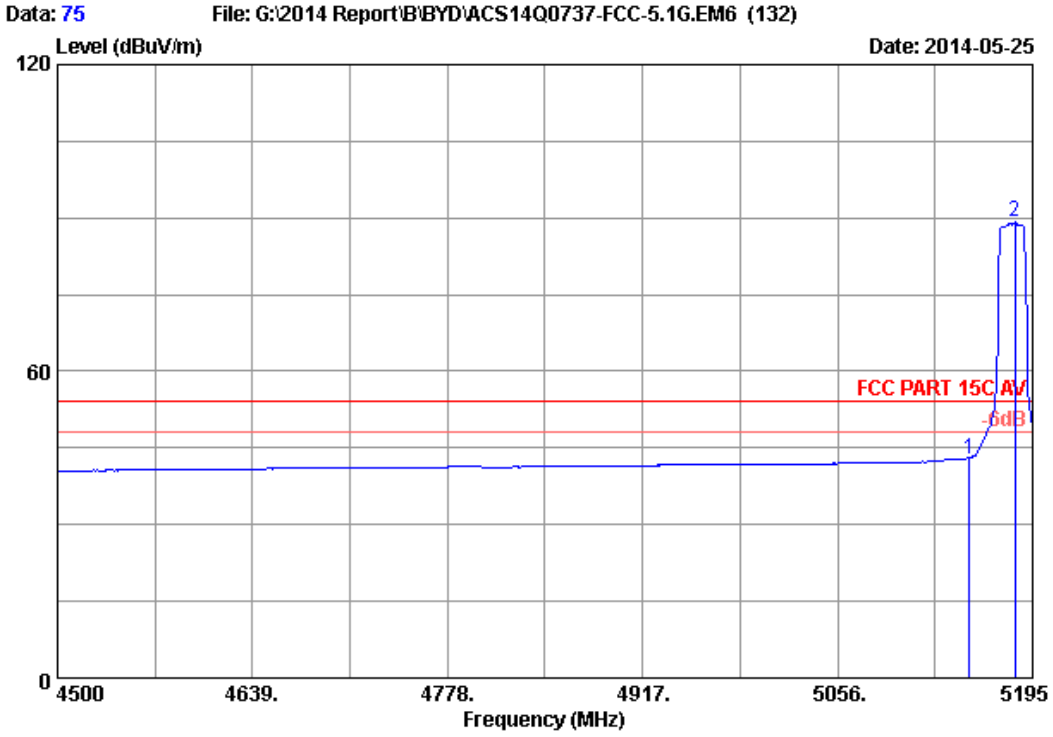
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	46.73	53.39	74.00	20.61	Peak
2	5184.575	33.50	8.96	35.70	92.17	98.93	74.00	-24.93	Peak

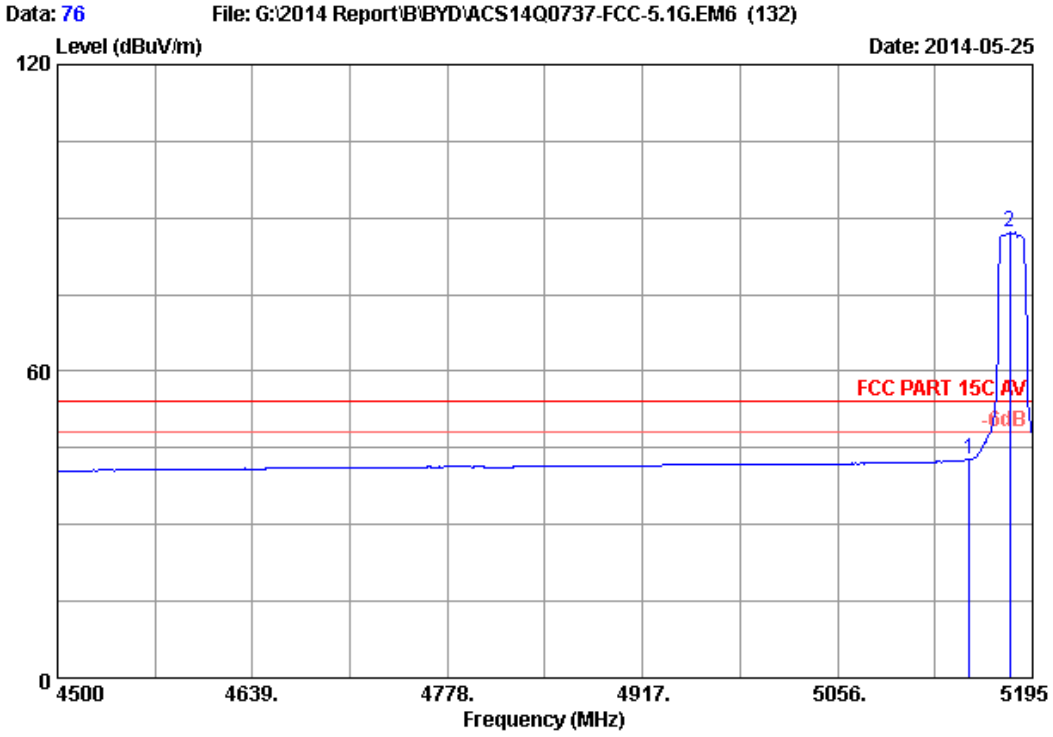
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	36.26	42.92	54.00	11.08	Average
2	5182.490	33.49	8.96	35.70	82.41	89.16	54.00	-35.16	Average

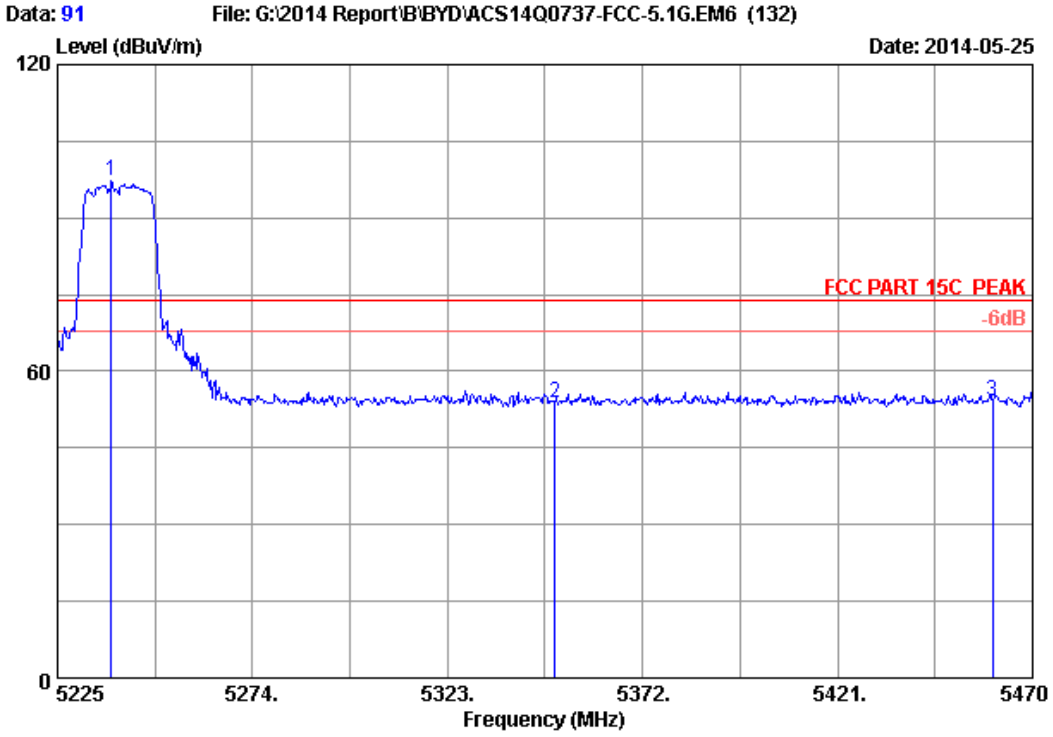
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH36 5180MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	35.97	42.63	54.00	11.37	Average
2	5179.015	33.49	8.95	35.70	80.42	87.16	54.00	-33.16	Average

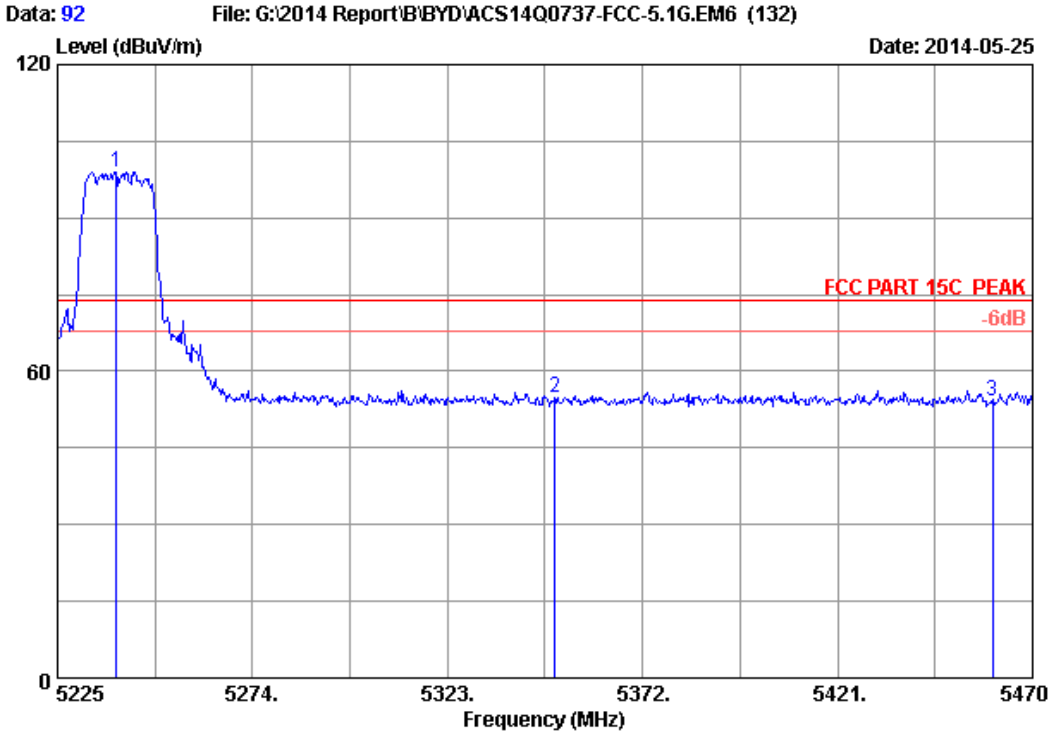
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5238.475	33.58	9.01	35.70	90.30	97.19	74.00	-23.19	Peak
2	5350.000	33.76	9.13	35.70	46.58	53.77	74.00	20.23	Peak
3	5460.000	33.94	9.25	35.70	46.81	54.30	74.00	19.70	Peak

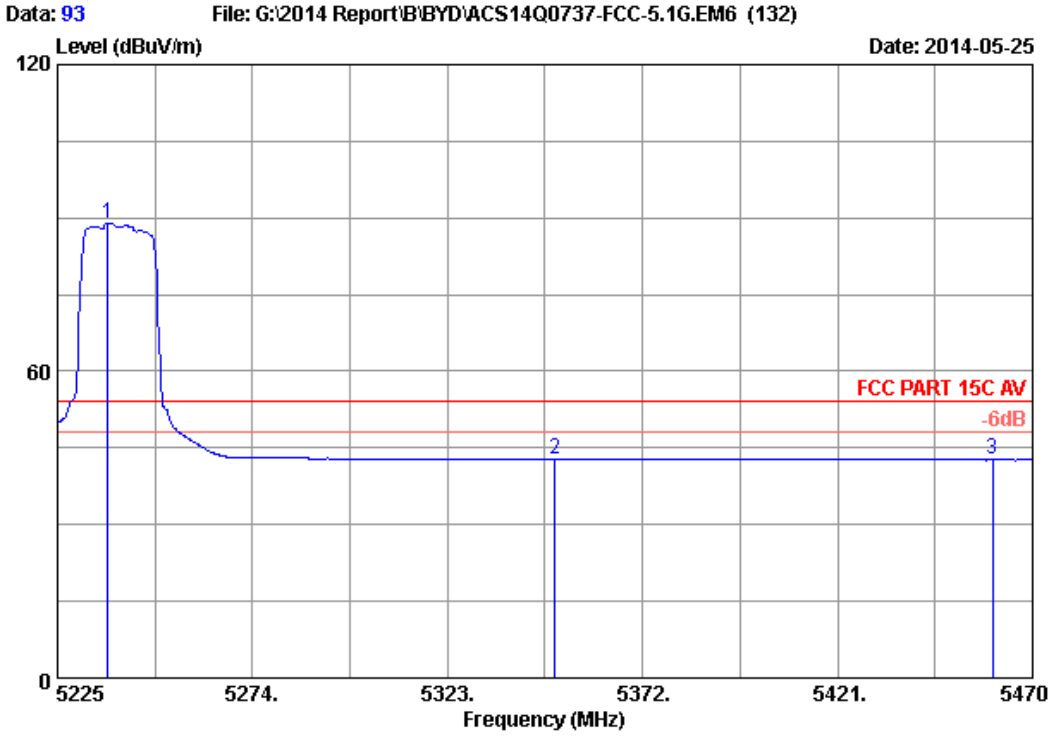
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5239.700	33.58	9.02	35.70	92.14	99.04	74.00	-25.04	Peak
2	5350.000	33.76	9.13	35.70	47.68	54.87	74.00	19.13	Peak
3	5460.000	33.94	9.25	35.70	46.55	54.04	74.00	19.96	Peak

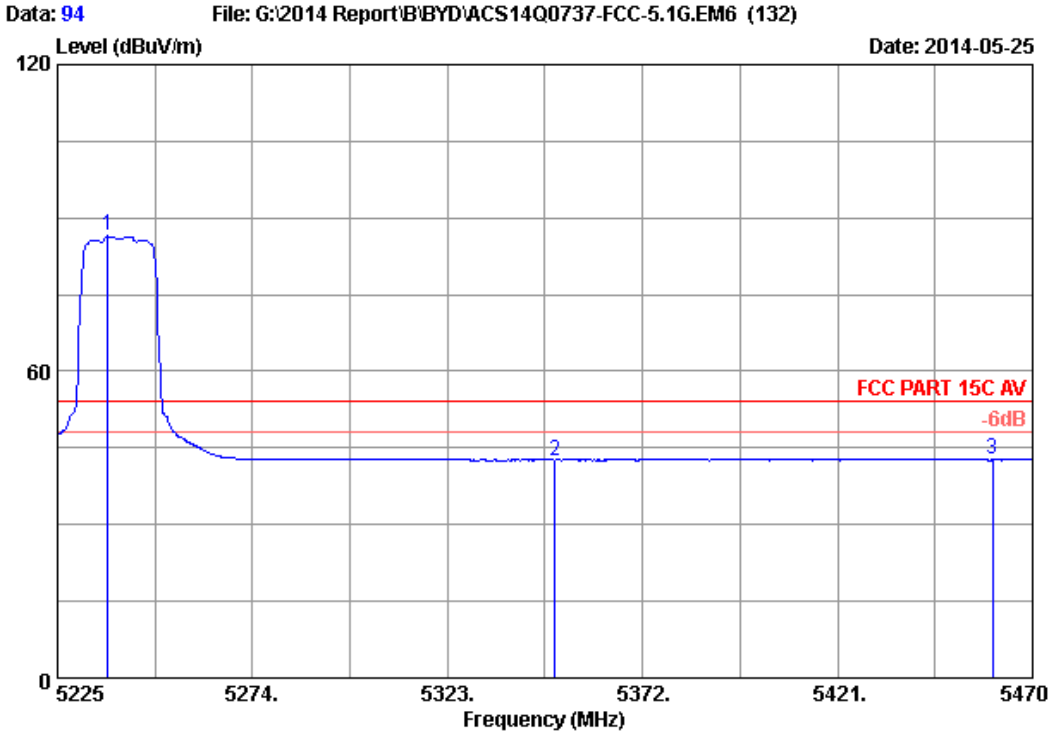
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5237.740	33.58	9.01	35.70	82.05	88.94	54.00	-34.94	Average
2	5350.000	33.76	9.13	35.70	35.50	42.69	54.00	11.31	Average
3	5460.000	33.94	9.25	35.70	35.15	42.64	54.00	11.36	Average

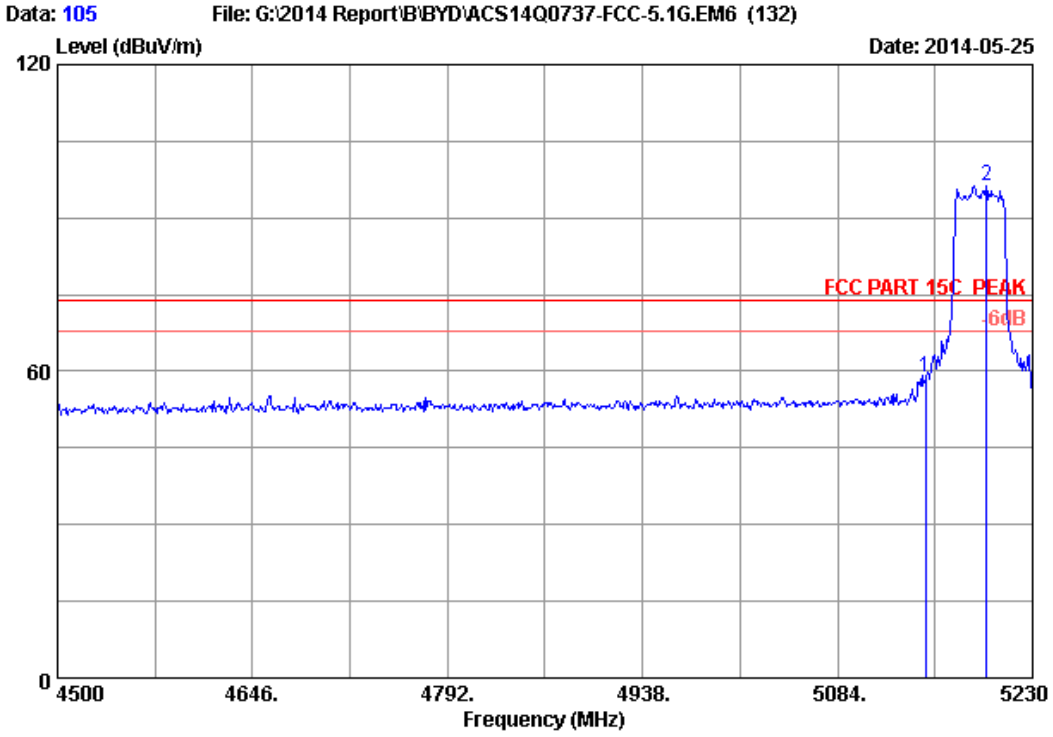
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 CH48 5240MHz Tx
M/N : BEL01

No.	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	5237.740	33.58	9.01	35.70	79.53	86.42	54.00	-32.42	Average
2	5350.000	33.76	9.13	35.70	35.42	42.61	54.00	11.39	Average
3	5460.000	33.94	9.25	35.70	35.13	42.62	54.00	11.38	Average

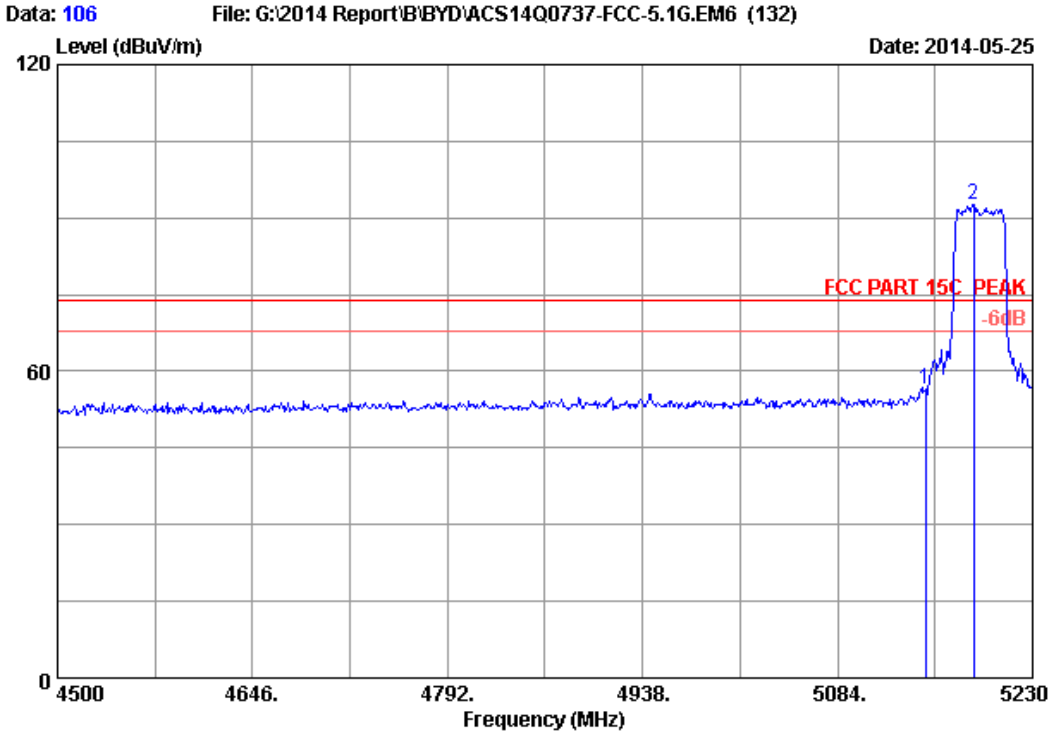
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	52.14	58.80	74.00	15.20	Peak
2	5195.690	33.51	8.97	35.70	89.36	96.14	74.00	-22.14	Peak

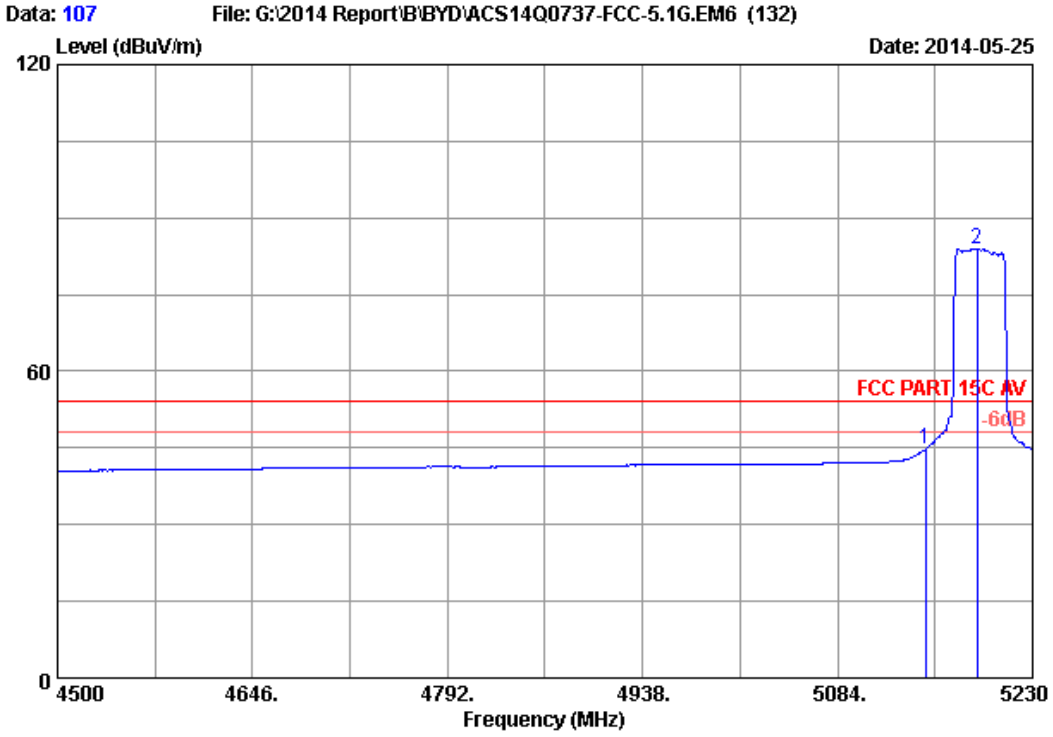
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	49.76	56.42	74.00	17.58	Peak
2	5186.200	33.50	8.96	35.70	85.89	92.65	74.00	-18.65	Peak

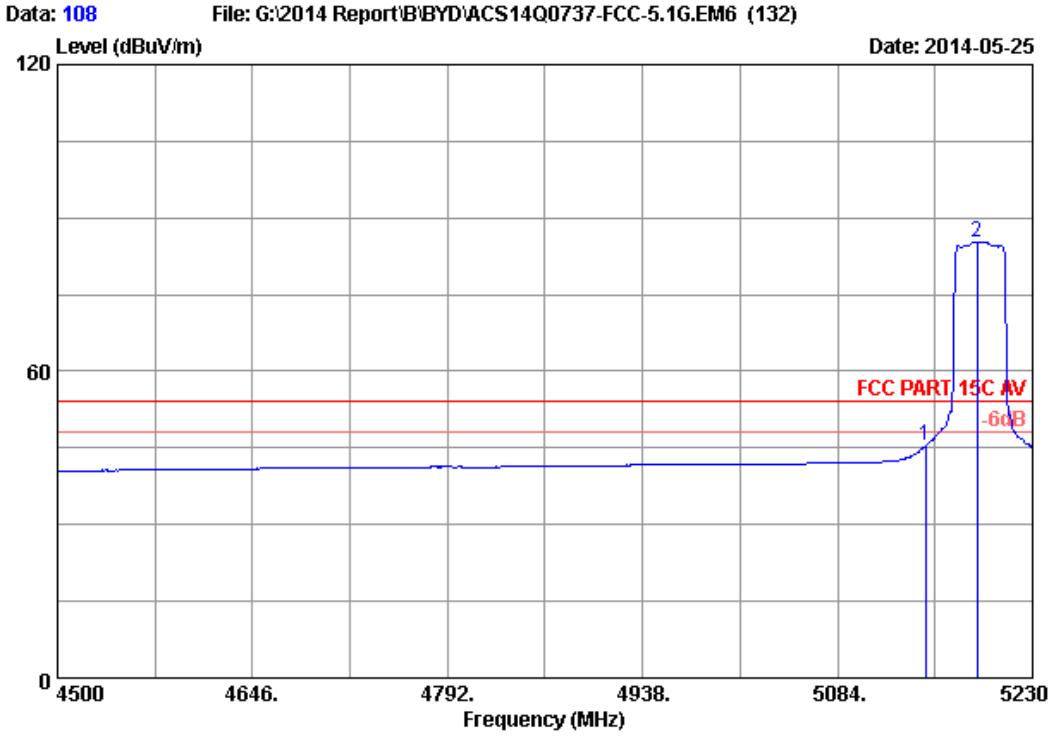
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	38.10	44.76	54.00	9.24	Average
2	5188.390	33.50	8.96	35.70	77.22	83.98	54.00	-29.98	Average

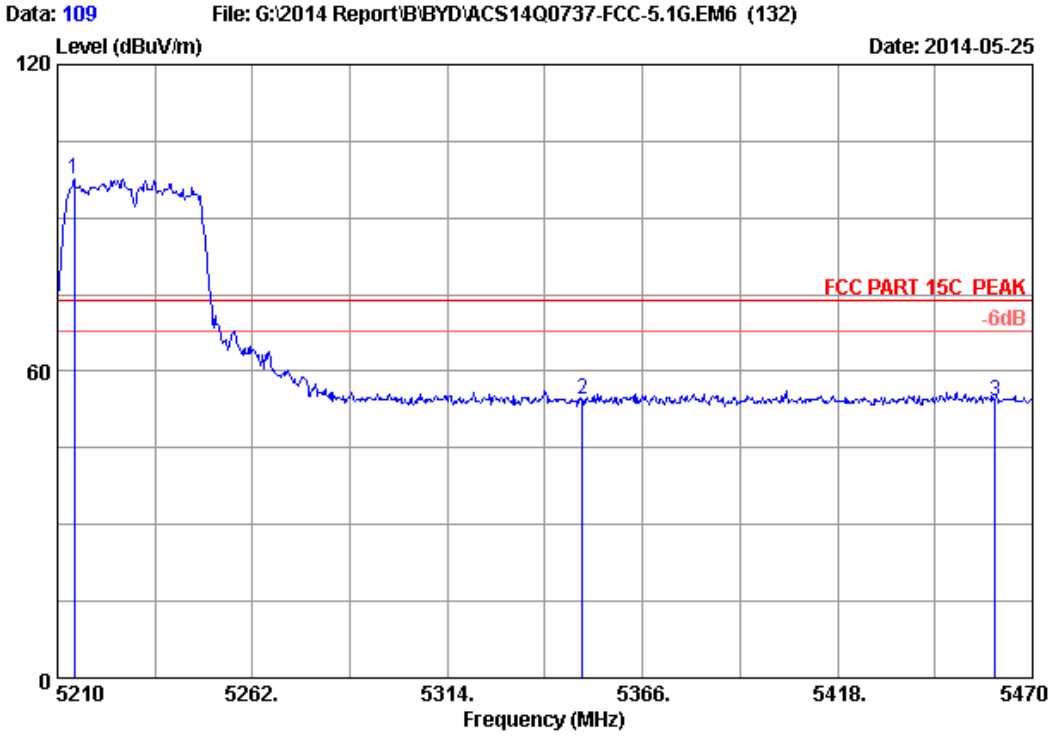
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH38 5190MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	38.75	45.41	54.00	8.59	Average
2	5188.390	33.50	8.96	35.70	78.56	85.32	54.00	-31.32	Average

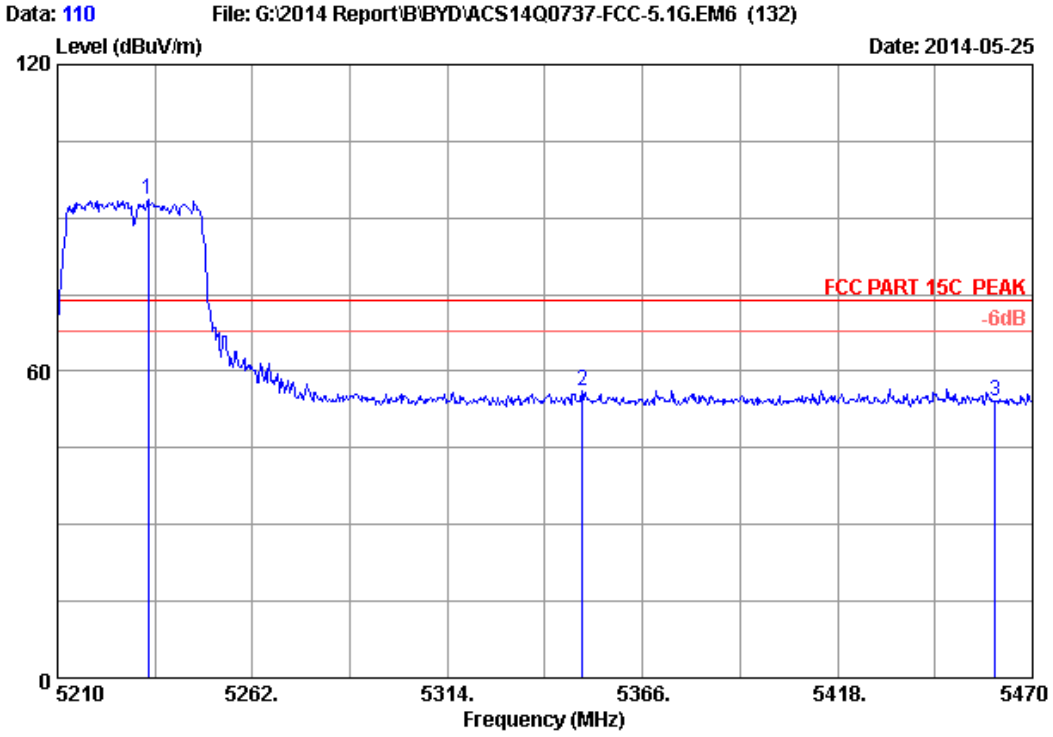
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 109
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5214.420	33.54	8.99	35.70	90.89	97.72	74.00	-23.72	Peak
2	5350.000	33.76	9.13	35.70	47.32	54.51	74.00	19.49	Peak
3	5460.000	33.94	9.25	35.70	46.64	54.13	74.00	19.87	Peak

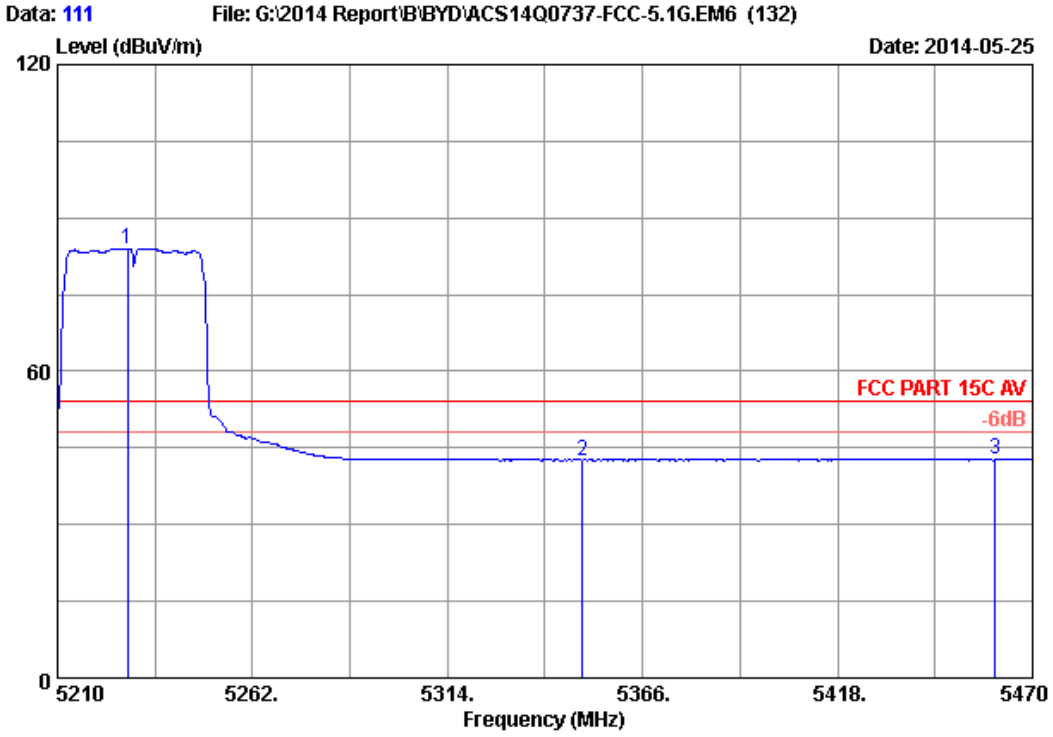
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 110
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5234.180	33.57	9.01	35.70	86.79	93.67	74.00	-19.67	Peak
2	5350.000	33.76	9.13	35.70	48.81	56.00	74.00	18.00	Peak
3	5460.000	33.94	9.25	35.70	46.81	54.30	74.00	19.70	Peak

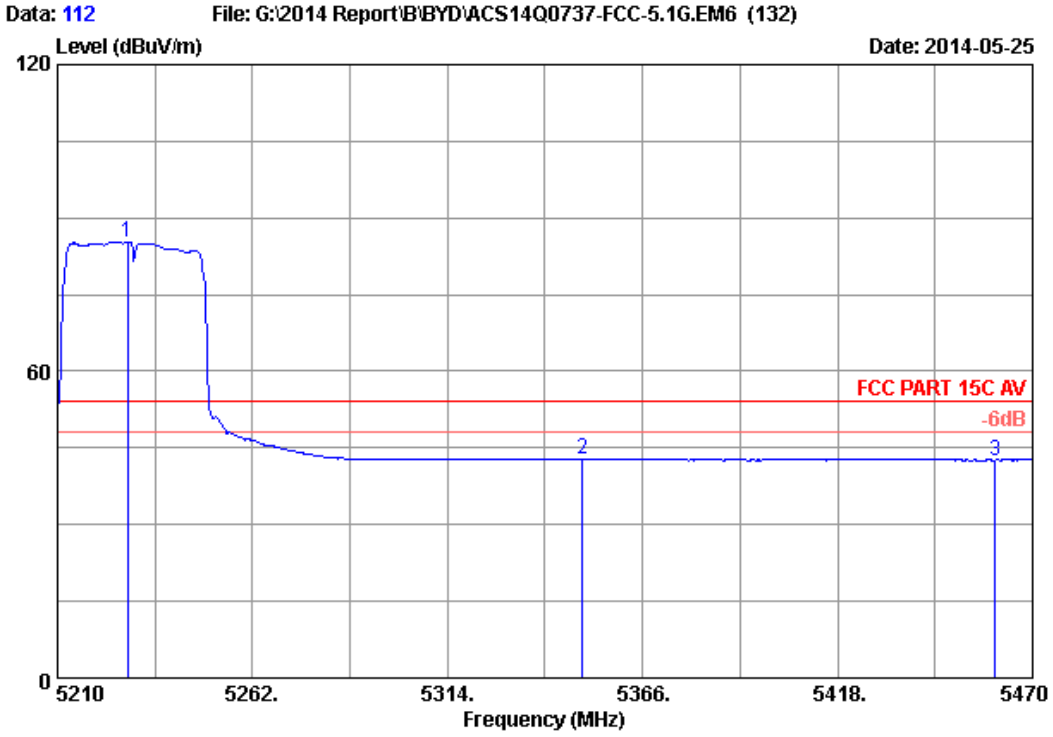
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 111
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5228.720	33.57	9.00	35.70	77.19	84.06	54.00	-30.06	Average
2	5350.000	33.76	9.13	35.70	35.43	42.62	54.00	11.38	Average
3	5460.000	33.94	9.25	35.70	35.14	42.63	54.00	11.37	Average

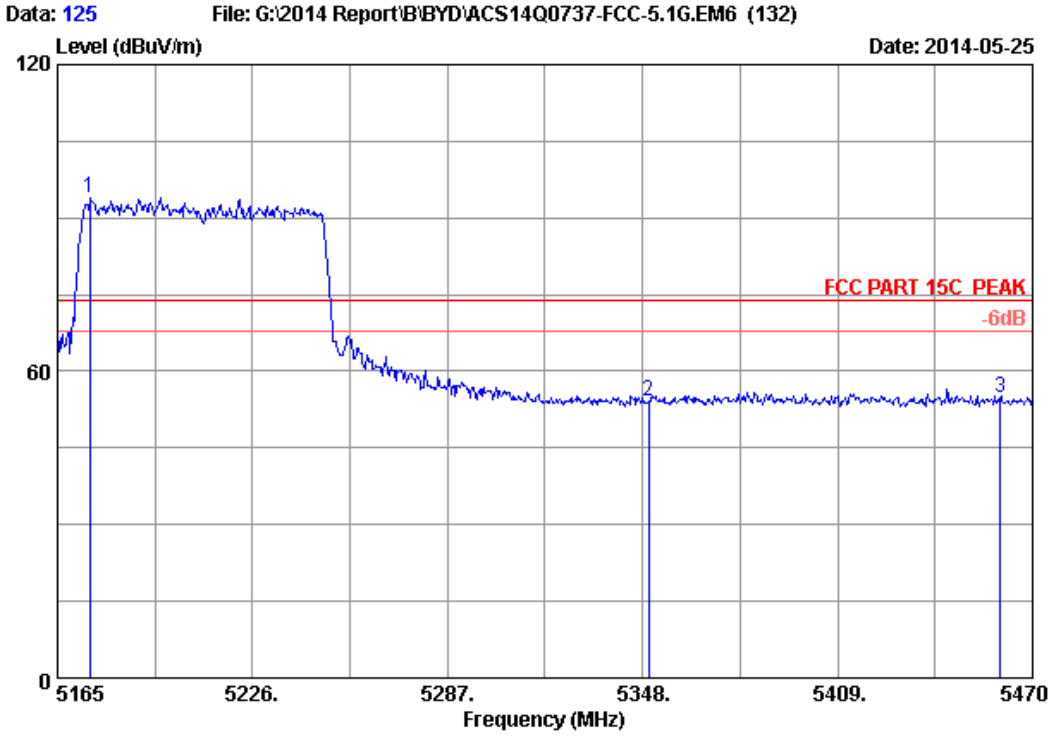
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 112
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 CH46 5230MHz Tx
M/N : BEL01

No.	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	5228.720	33.57	9.00	35.70	78.43	85.30	54.00	-31.30	Average
2	5350.000	33.76	9.13	35.70	35.44	42.63	54.00	11.37	Average
3	5460.000	33.94	9.25	35.70	35.11	42.60	54.00	11.40	Average

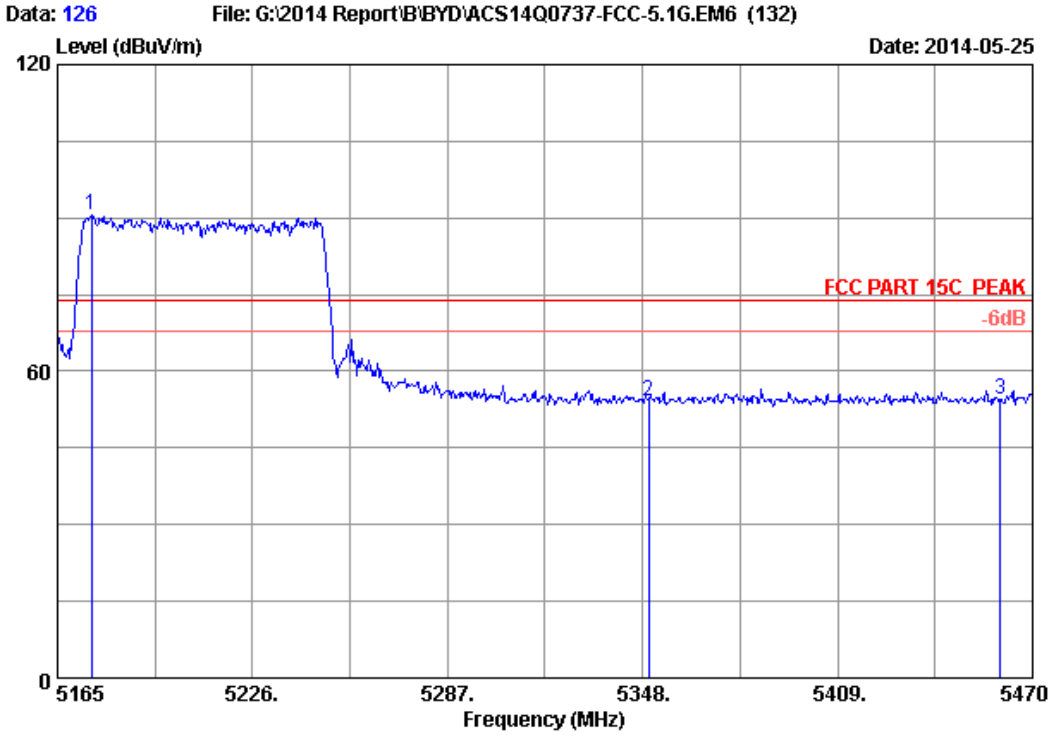
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 125
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5175.065	33.48	8.95	35.70	87.09	93.82	74.00	-19.82	Peak
2	5350.000	33.76	9.13	35.70	47.06	54.25	74.00	19.75	Peak
3	5460.000	33.94	9.25	35.70	47.19	54.68	74.00	19.32	Peak

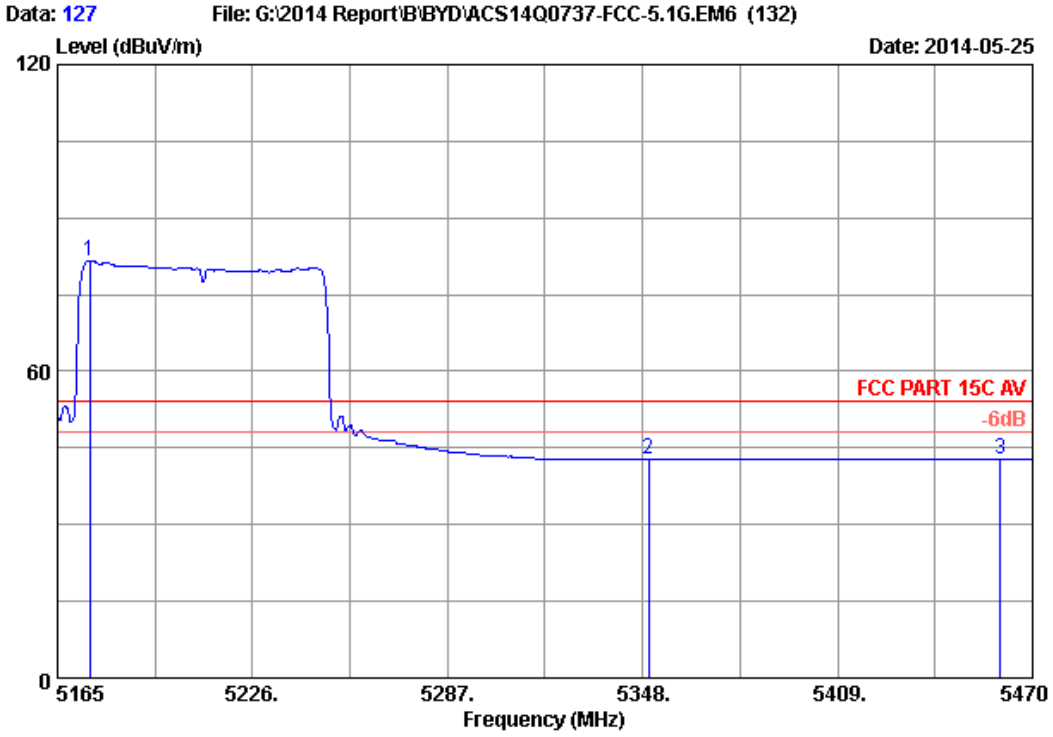
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5175.675	33.48	8.95	35.70	83.73	90.46	74.00	-16.46	Peak
2	5350.000	33.76	9.13	35.70	46.99	54.18	74.00	19.82	Peak
3	5460.000	33.94	9.25	35.70	47.14	54.63	74.00	19.37	Peak

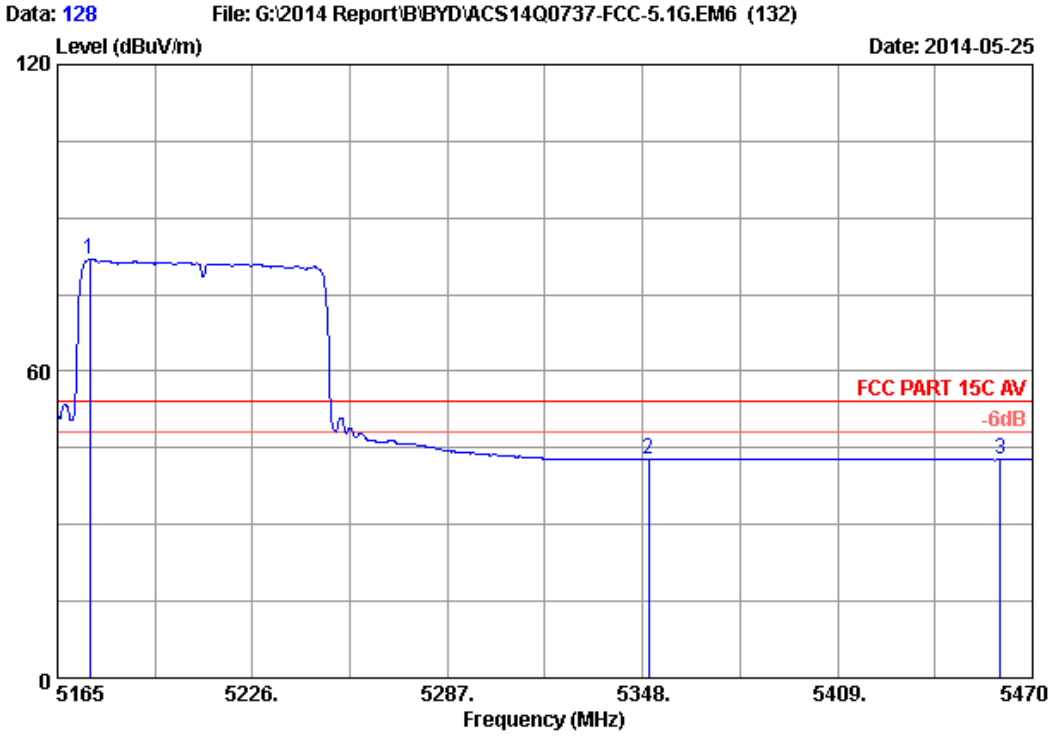
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 127
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5175.065	33.48	8.95	35.70	74.89	81.62	54.00	-27.62	Average
2	5350.000	33.76	9.13	35.70	35.47	42.66	54.00	11.34	Average
3	5460.000	33.94	9.25	35.70	35.15	42.64	54.00	11.36	Average

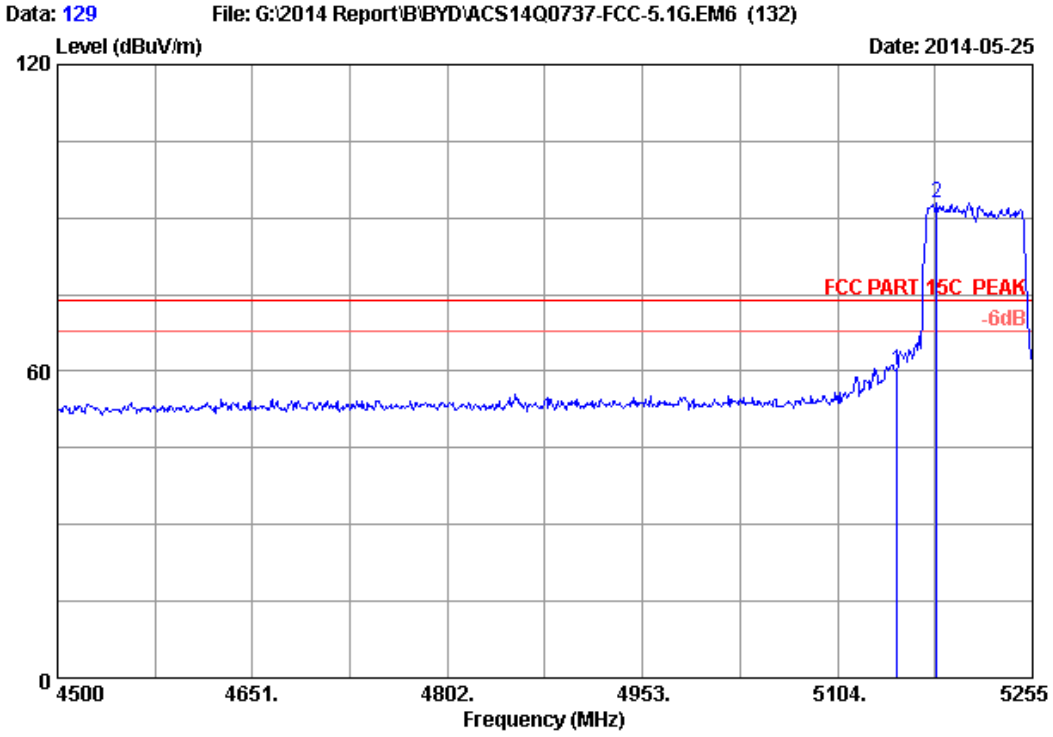
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 128
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5175.065	33.48	8.95	35.70	75.13	81.86	54.00	-27.86	Average
2	5350.000	33.76	9.13	35.70	35.53	42.72	54.00	11.28	Average
3	5460.000	33.94	9.25	35.70	35.15	42.64	54.00	11.36	Average

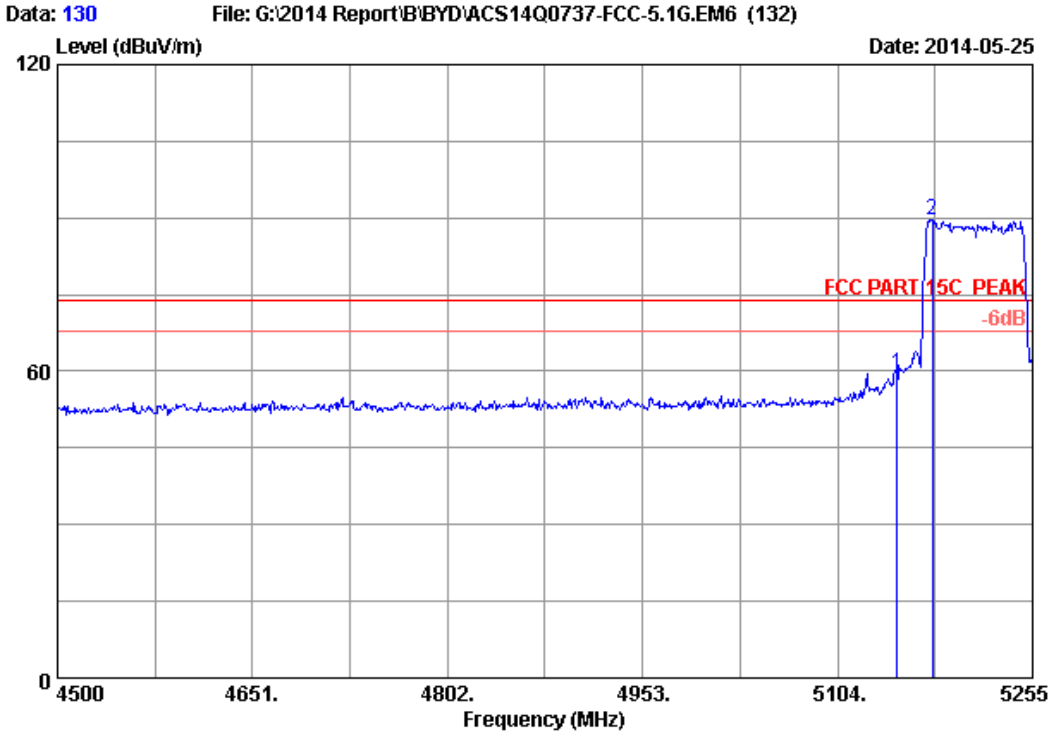
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 129
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	53.58	60.24	74.00	13.76	Peak
2	5181.010	33.49	8.95	35.70	86.21	92.95	74.00	-18.95	Peak

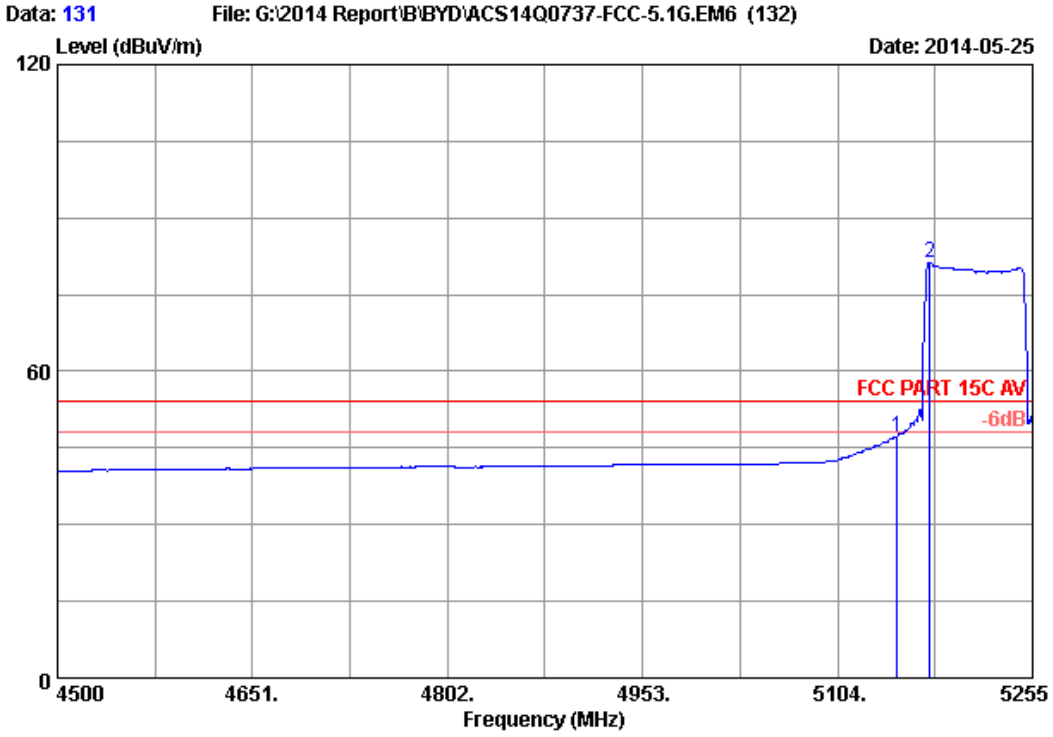
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 130
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	52.89	59.55	74.00	14.45	Peak
2	5177.235	33.48	8.95	35.70	82.83	89.56	74.00	-15.56	Peak

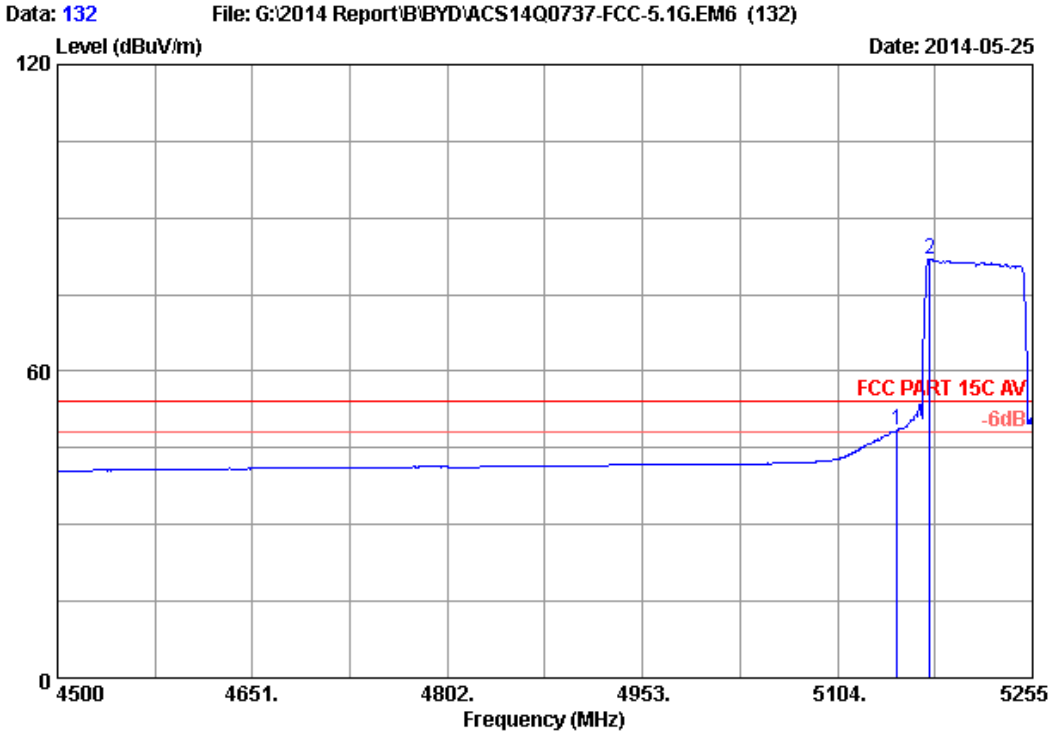
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	40.60	47.26	54.00	6.74	Average
2	5175.725	33.48	8.95	35.70	74.42	81.15	54.00	-27.15	Average

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



Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 24*C/56% Engineer : Kevin_HMJ
EUT : Dell Cast Adapter
Power Rating : DC 5V From PC Input AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 CH42 5210MHz Tx
M/N : BEL01

No.	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	5150.000	33.44	8.92	35.70	41.66	48.32	54.00	5.68	Average
2	5175.725	33.48	8.95	35.70	75.10	81.83	54.00	-27.83	Average

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

6. 20dB & 26dB Bandwidth Test

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,14	1 Year

6.2. Limit

No limit

6.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300kHz RBW and 1 MHz VBW. The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.4. Test Results

Band 1(5150-5250MHz):
20dB bandwidth

EUT: Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-25	Pressure: 101.5±1.0 kpa	Humidity:53.2±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.4±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency（MHz）	20dB bandwidth（MHz）	Limit (KHz)
11a	5180	19.58	N/A
	5200	19.65	N/A
	5240	19.79	N/A
11n HT20	5180	20.50	N/A
	5200	20.31	N/A
	5240	20.74	N/A
11n HT40	5190	38.53	N/A
	5230	38.64	N/A
11ac VHT20	5180	20.28	N/A
	5200	20.47	N/A
	5240	20.27	N/A
11ac VHT40	5190	38.72	N/A
	5230	38.68	N/A
11ac VHT80	5210	79.45	N/A
Conclusion：PASS			

26dB bandwidth

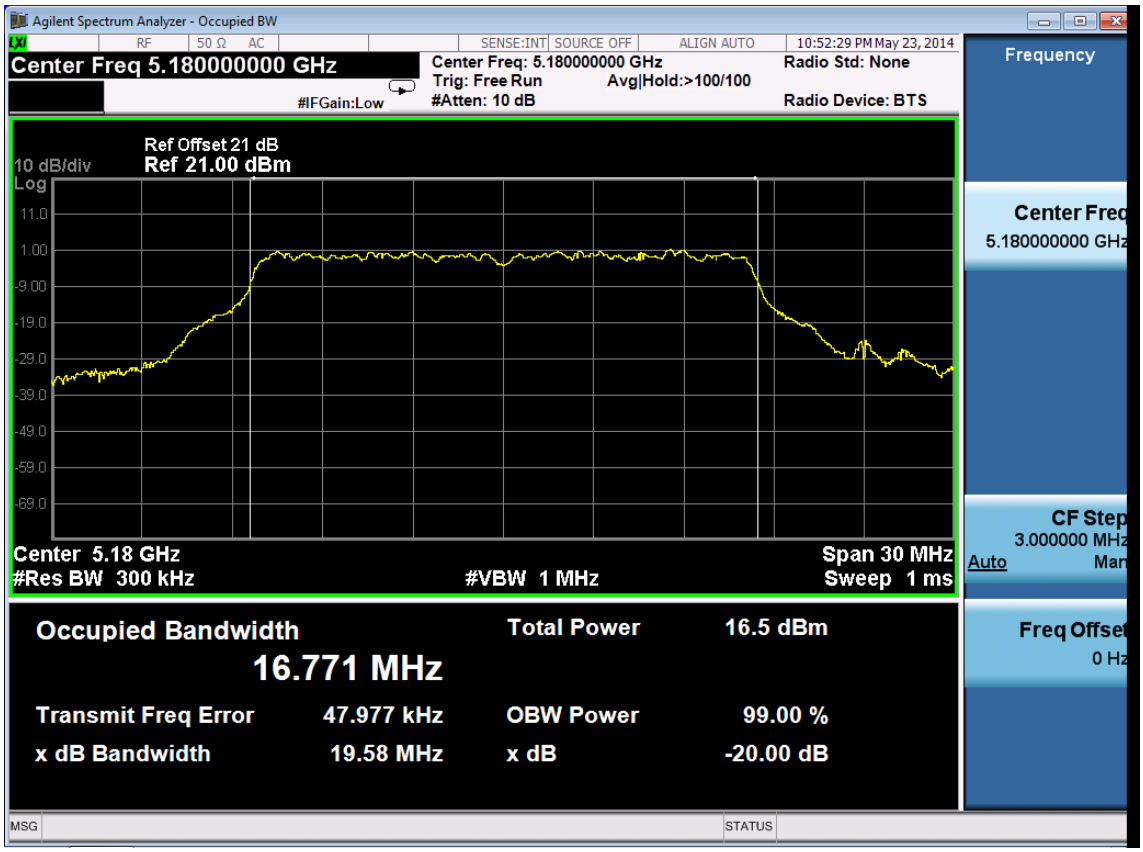
EUT:Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-25	Pressure: 101.5±1.0 kpa	Humidity:53.2±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.4±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency （MHz）	26dB bandwidth （MHz）	Limit (KHz)
11a	5180	22.82	N/A
	5200	22.88	N/A
	5240	22.93	N/A
11n HT20	5180	21.81	N/A
	5200	22.34	N/A
	5240	23.32	N/A
11n HT40	5190	39.49	N/A
	5230	39.89	N/A
11ac VHT20	5180	21.73	N/A
	5200	21.76	N/A
	5240	21.65	N/A
11ac VHT40	5190	39.62	N/A
	5230	40.11	N/A
11ac VHT80	5210	81.70	N/A
Conclusion：PASS			

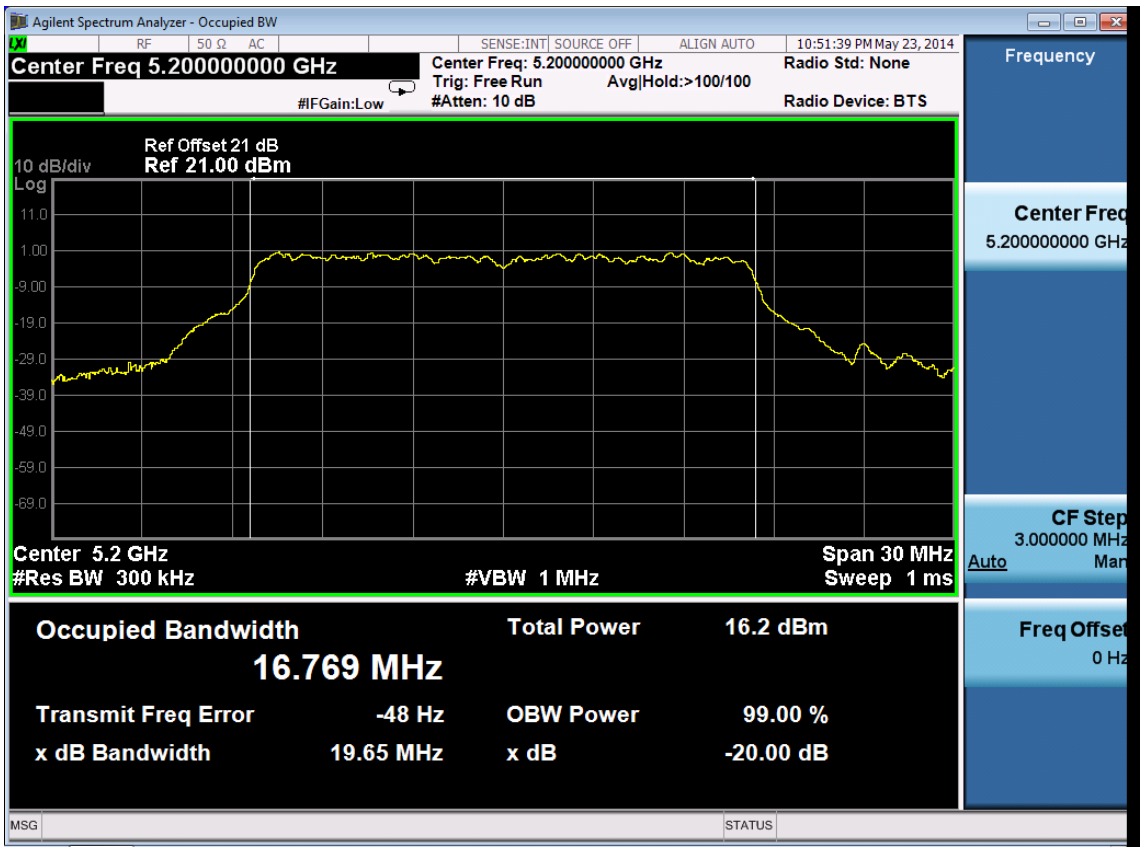
Band 1(5150-5250MHz) 20dB bandwidth:

11a

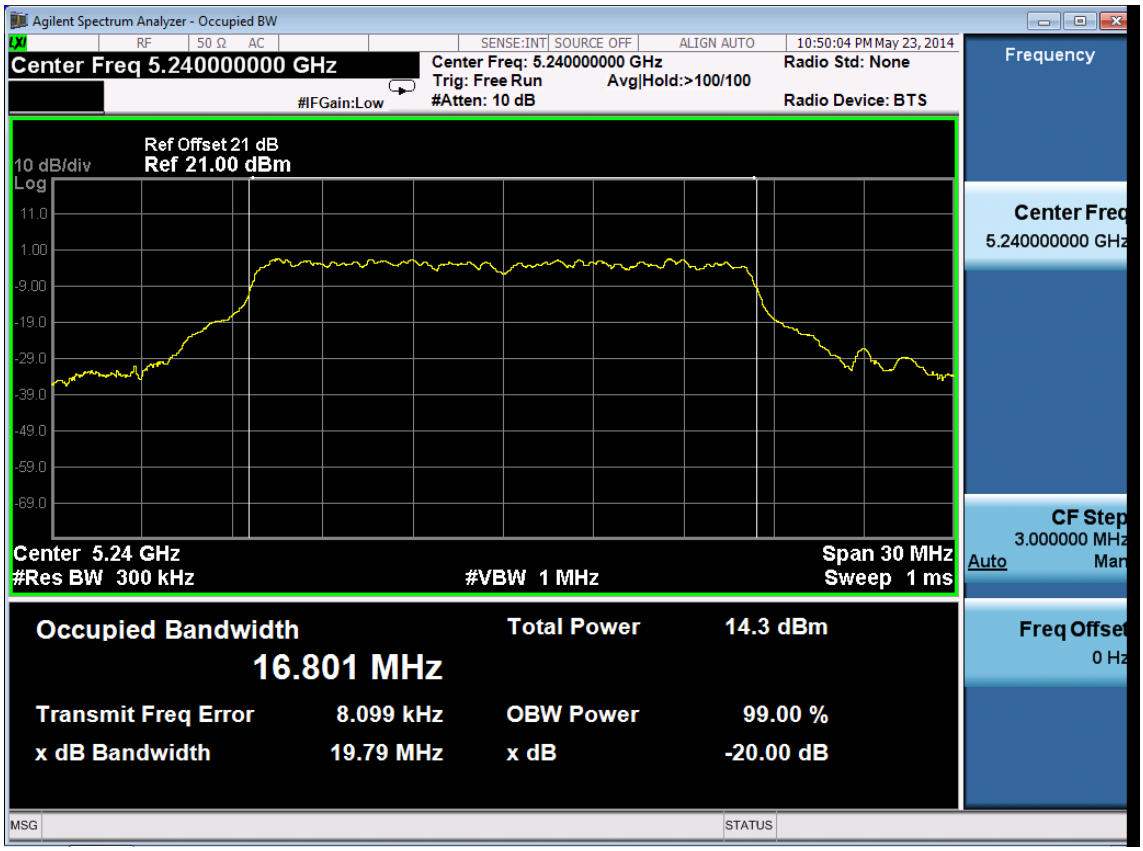
5180MHz



5200MHz

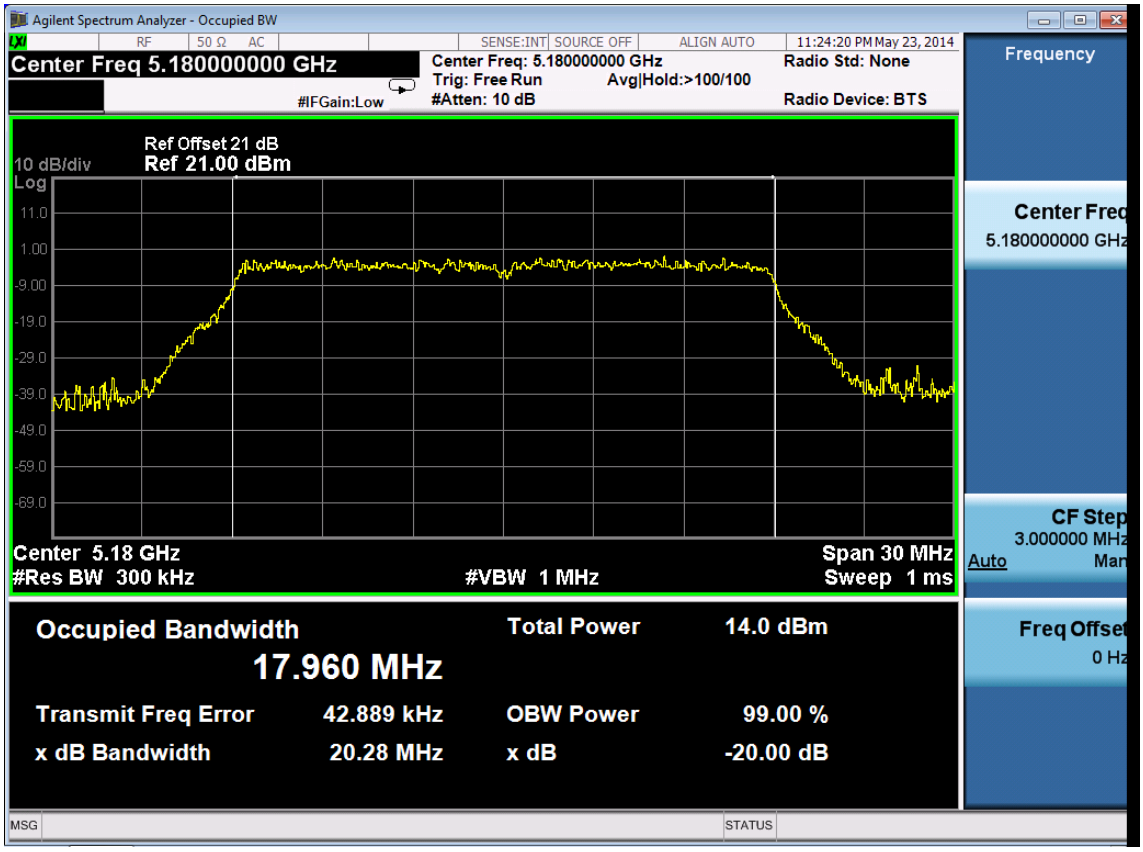


5240MHz

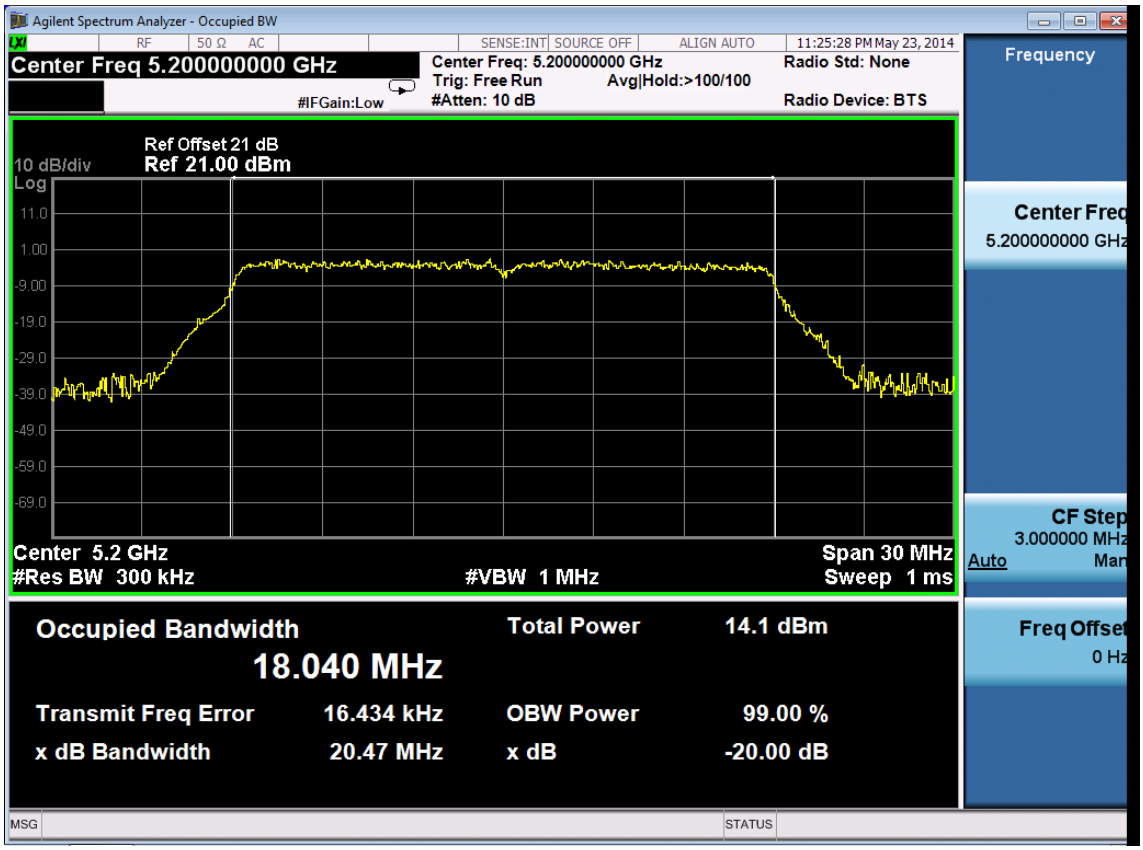


11ac VHT20

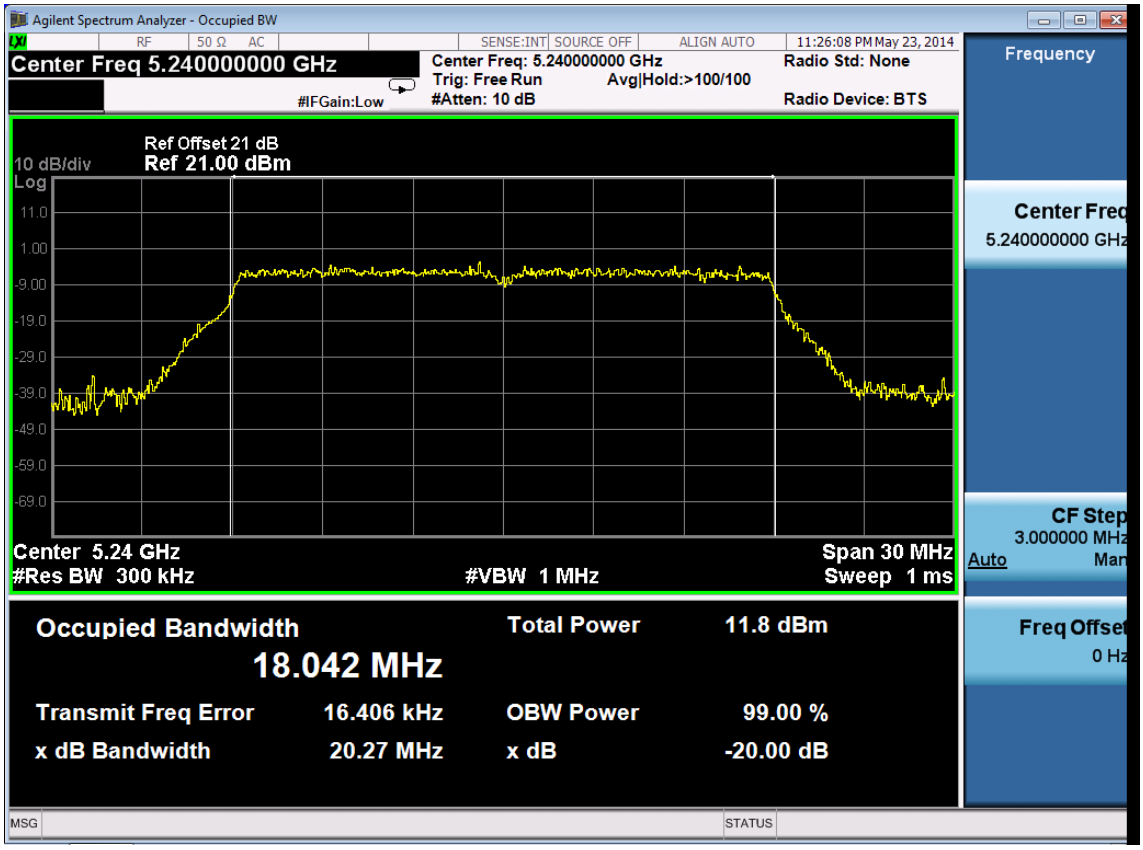
5180MHz



5200MHz

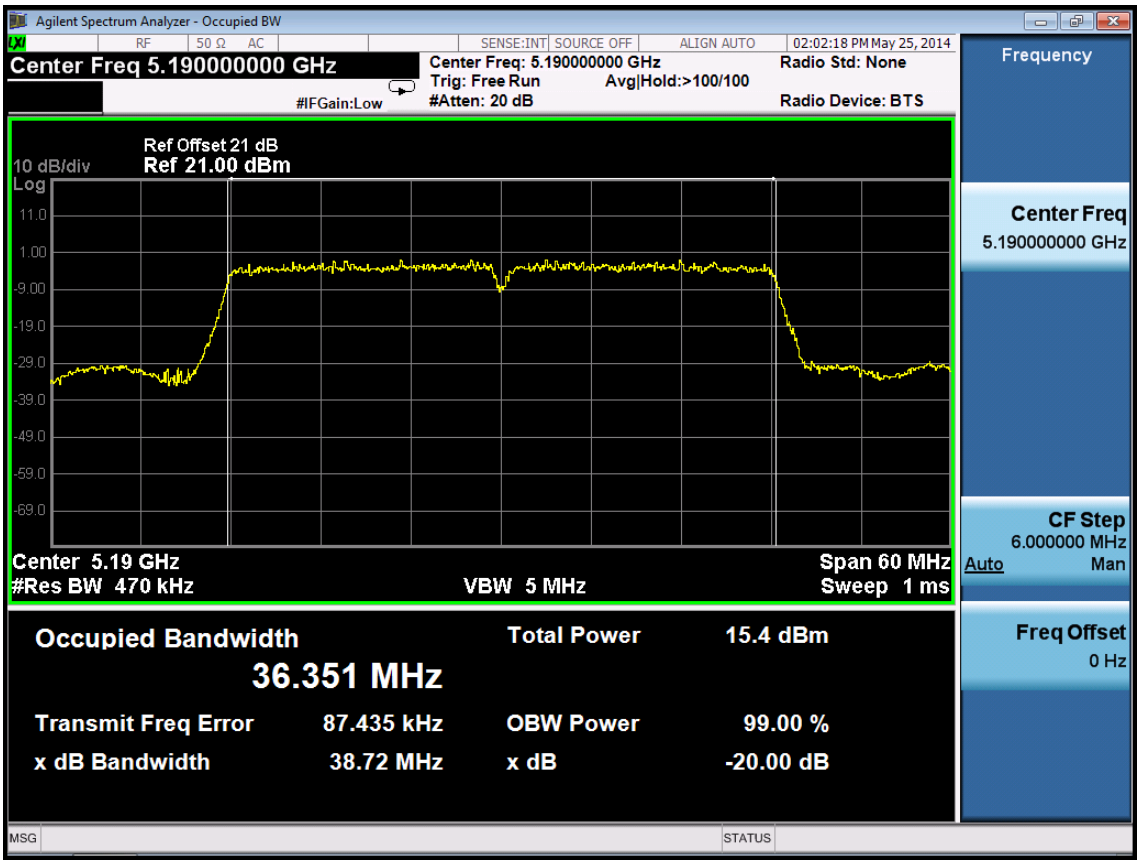


5240MHz

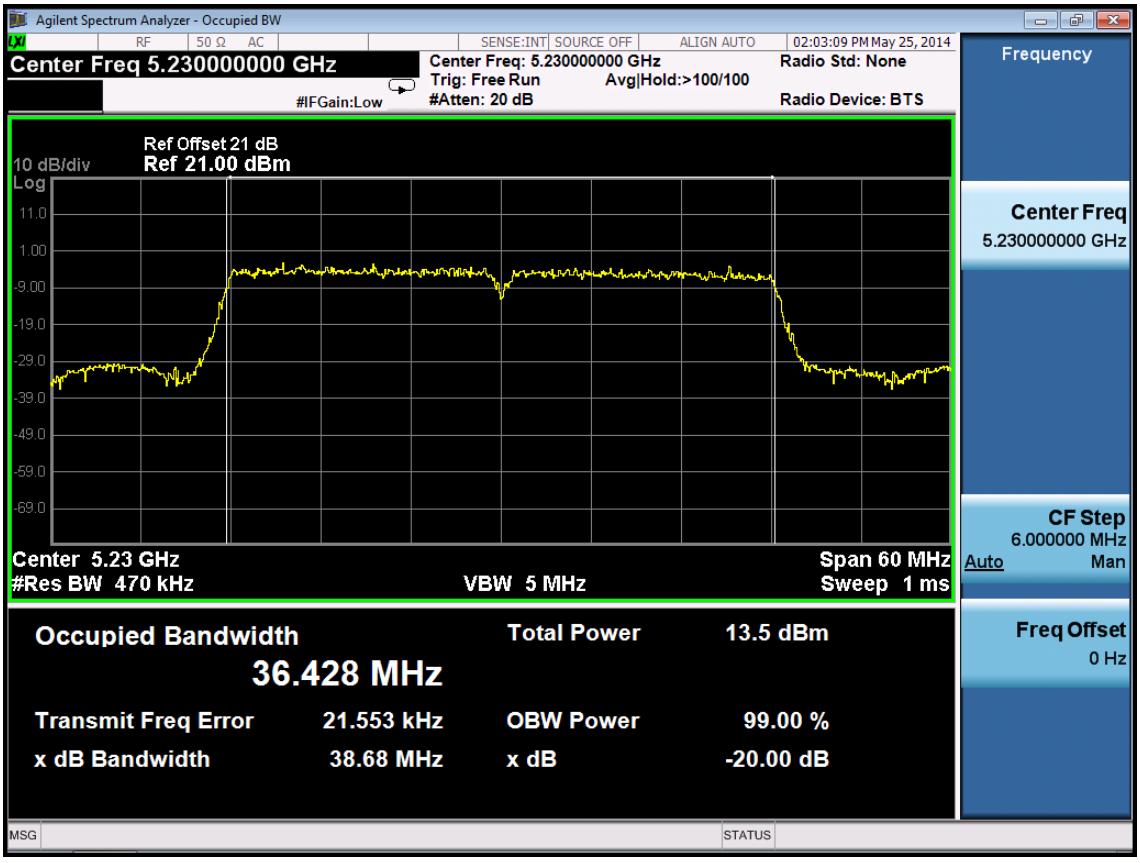


11ac VHT40

5190MHz

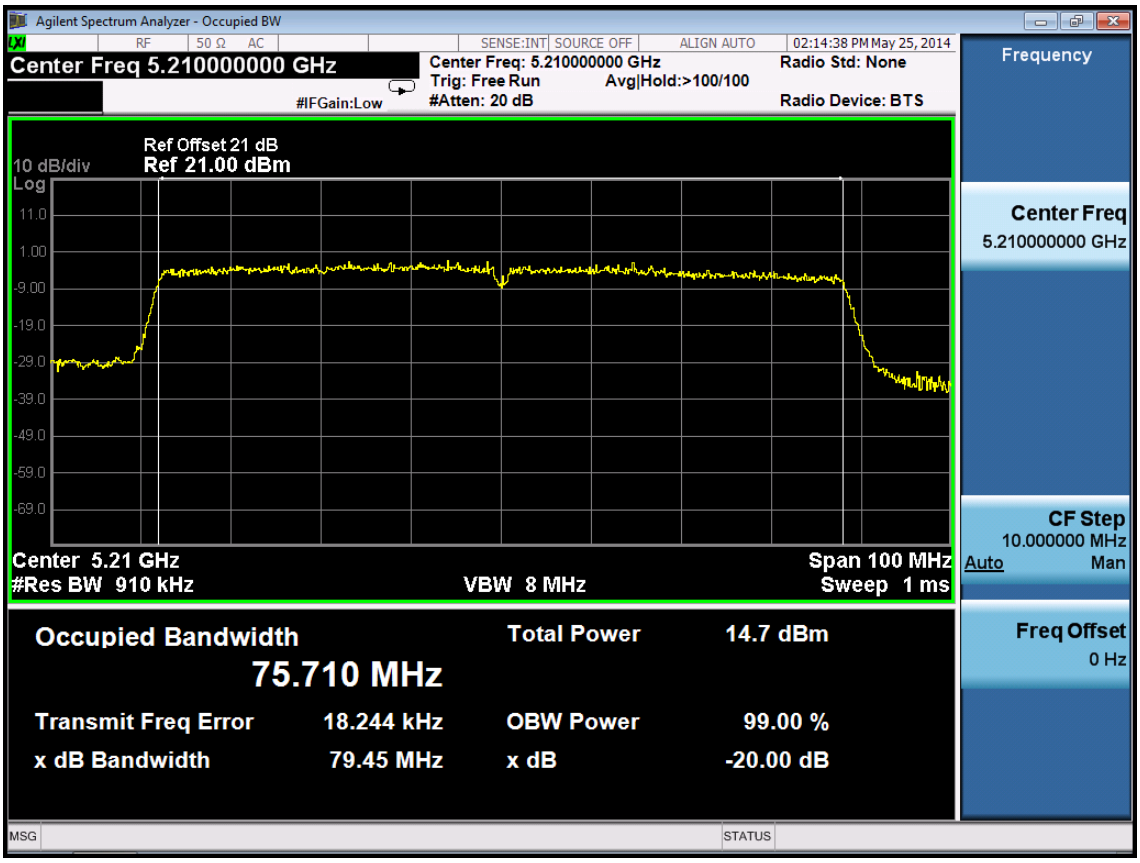


5230MHz



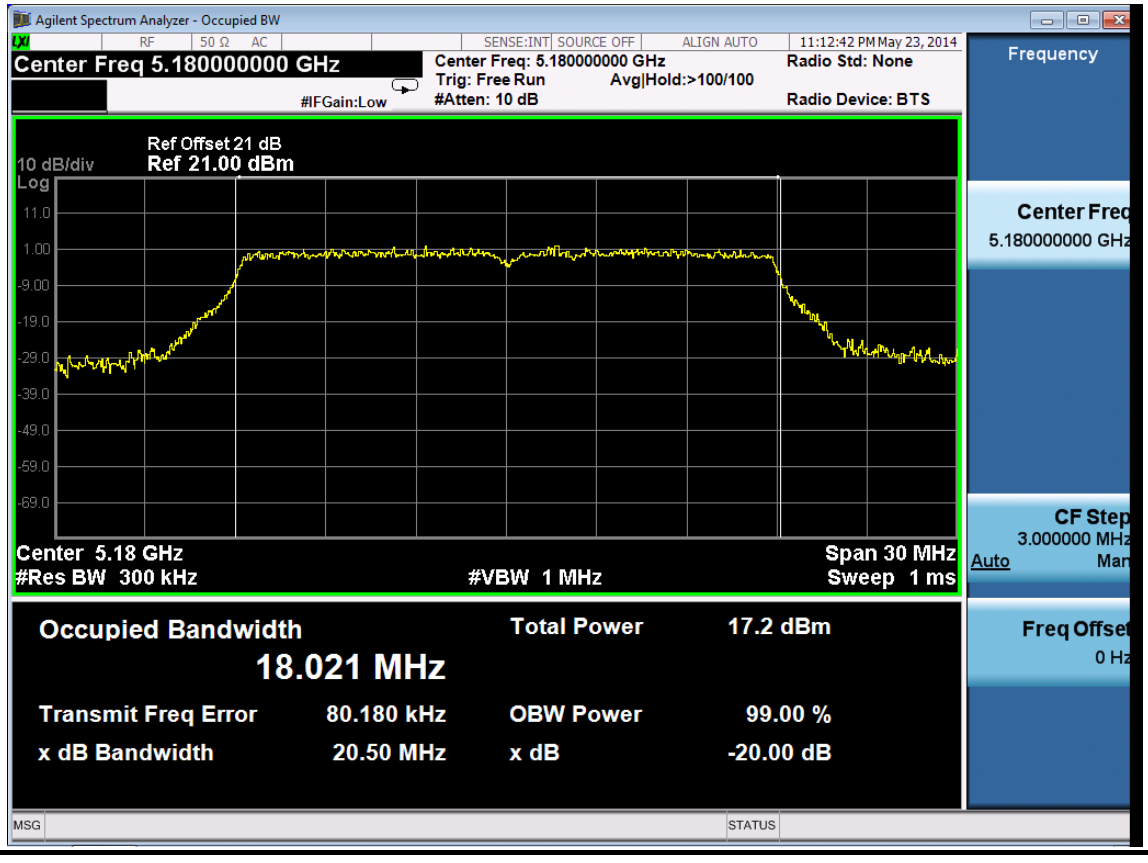
11ac VHT80

5210MHz

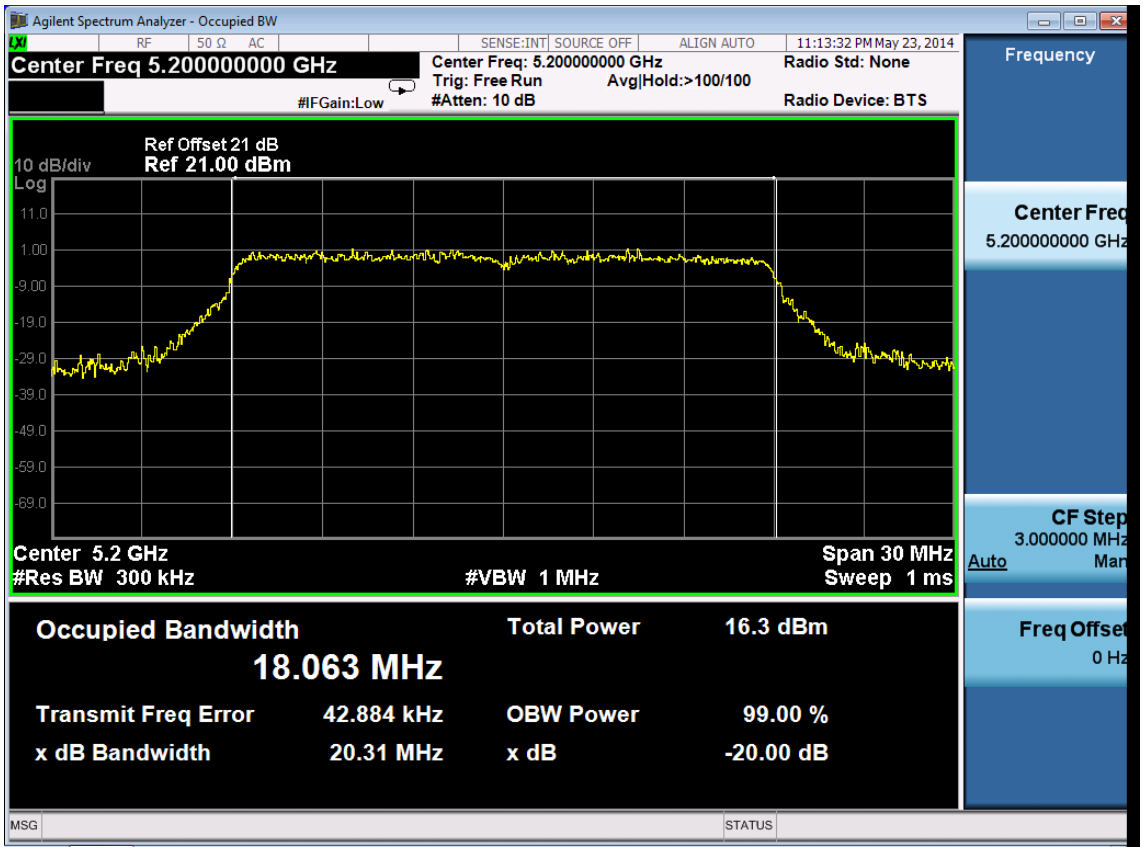


11n HT20

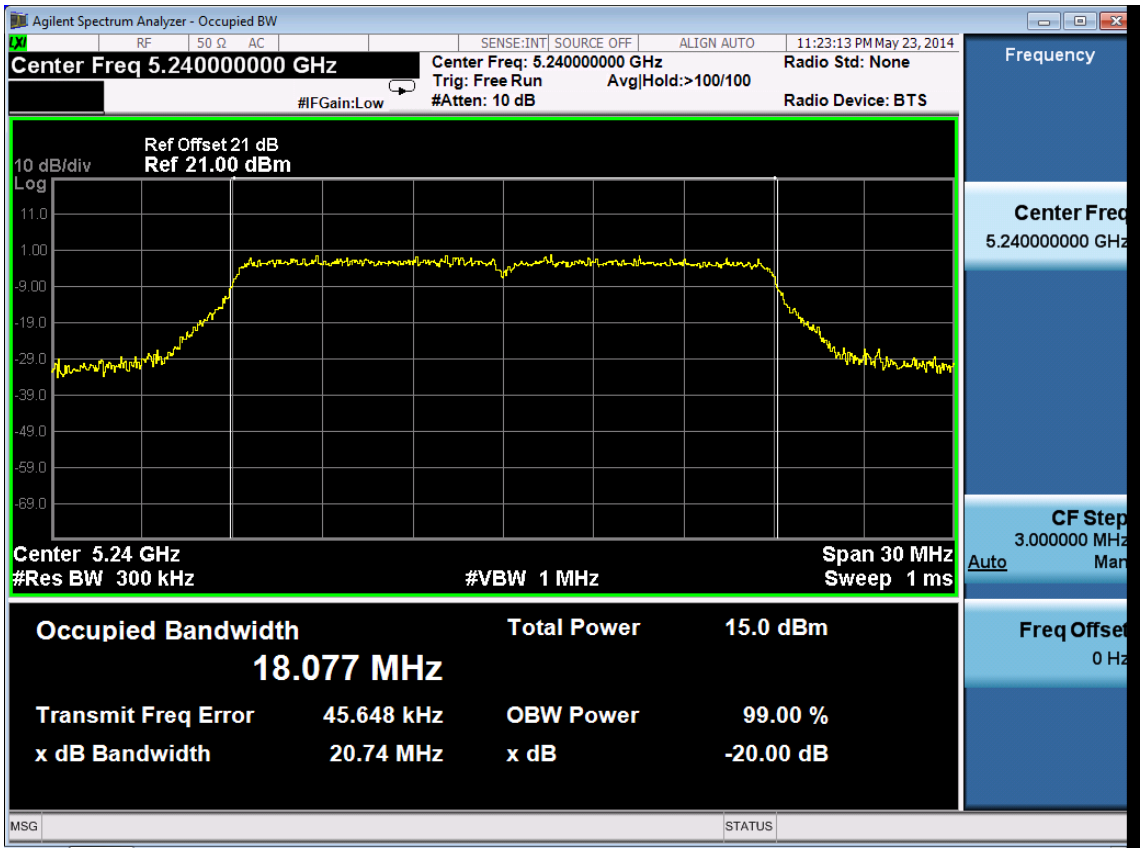
5180MHz



5200MHz

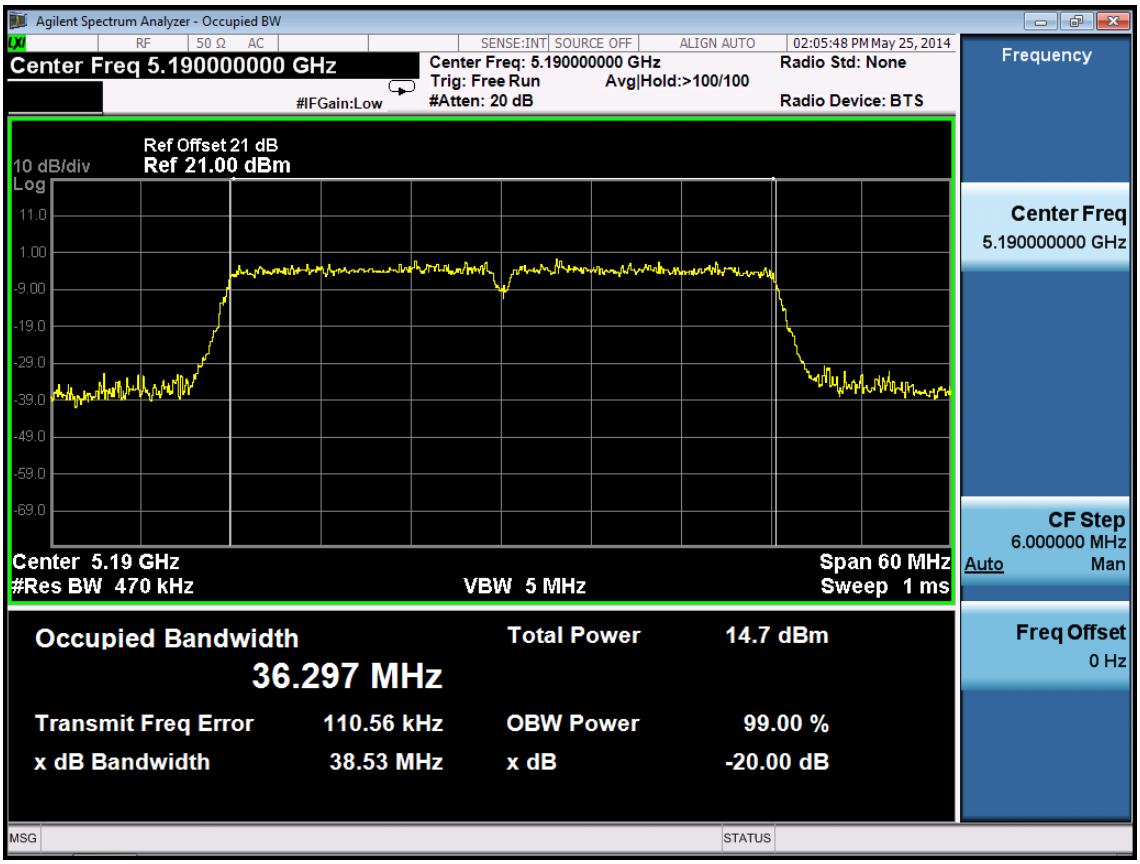


5240MHz

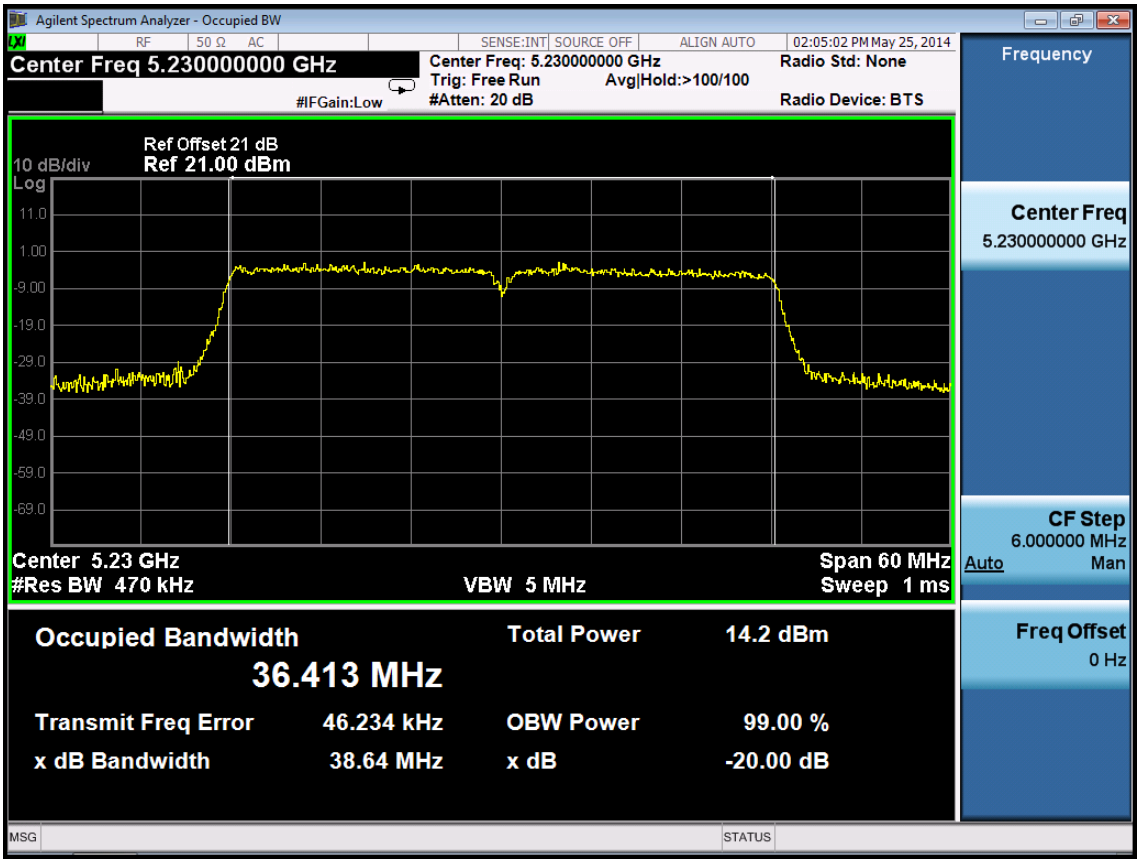


11n HT40

5190MHz



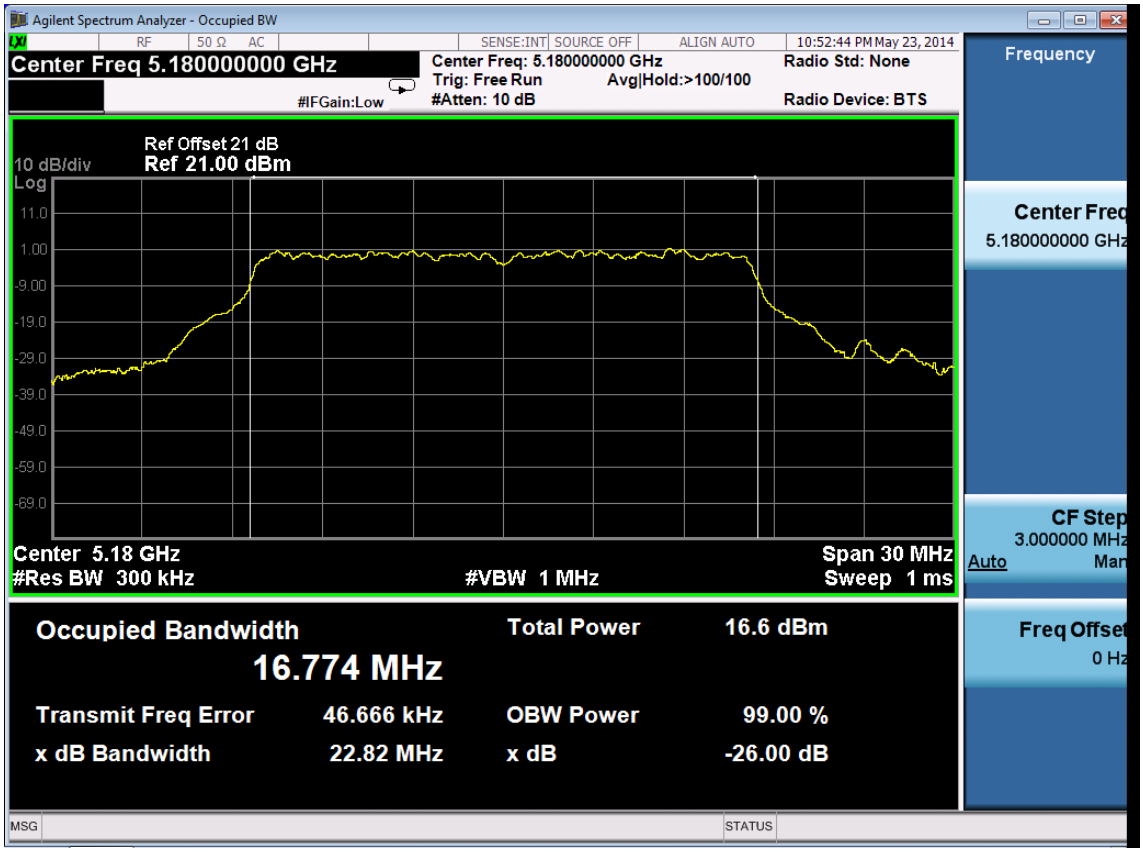
5230MHz



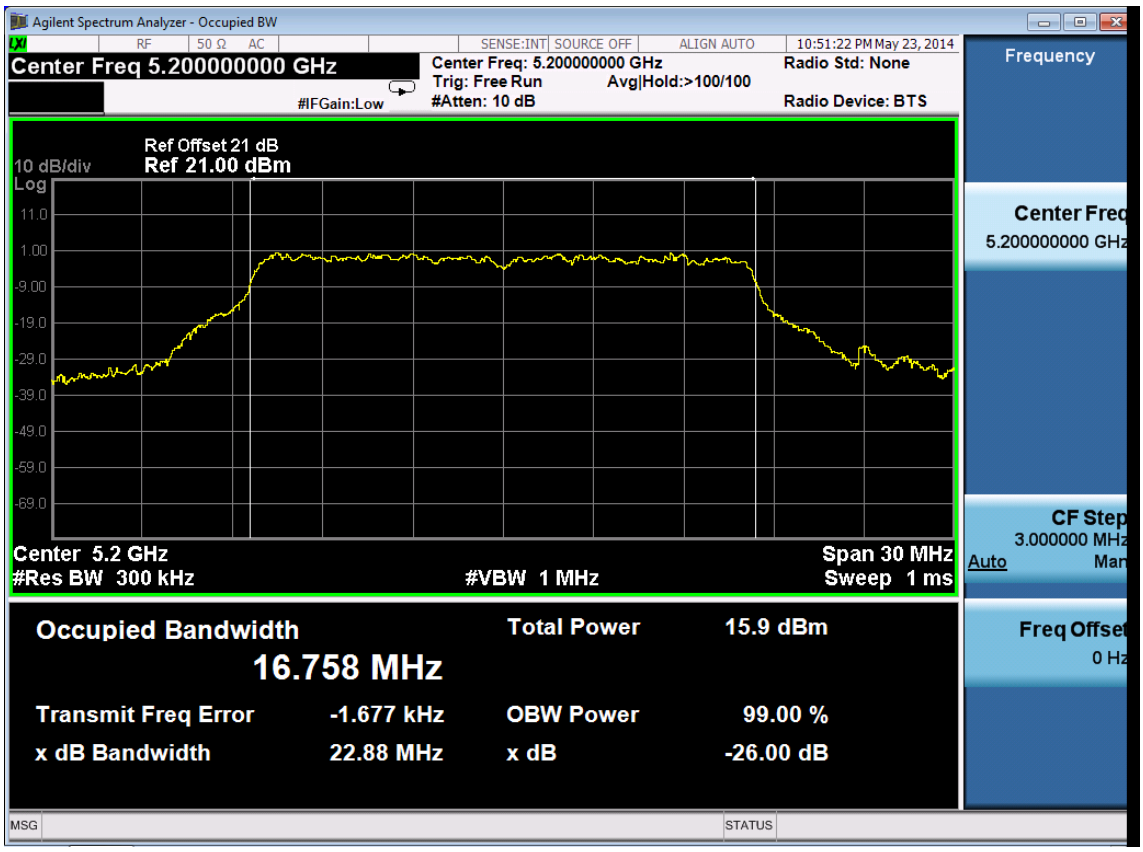
Band 1(5150-5250MHz) 26dB bandwidth:

11a

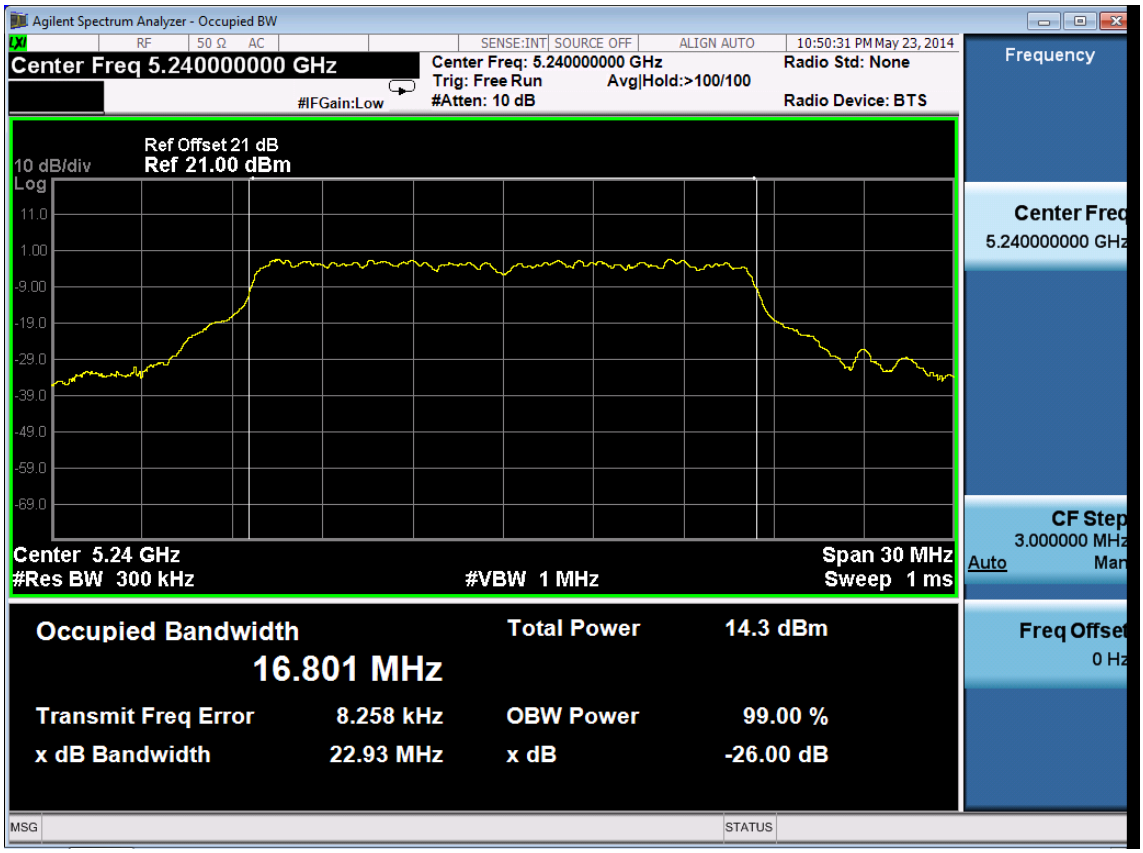
5180MHz



5200MHz

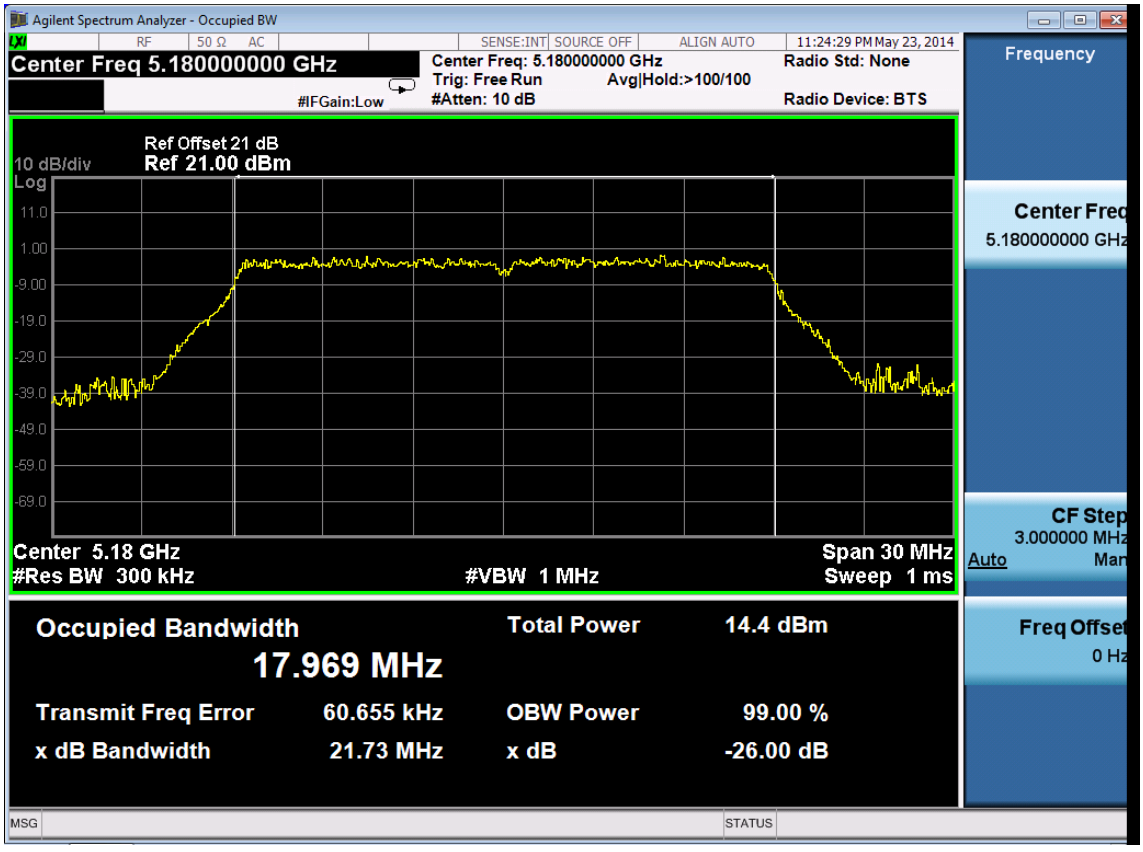


5240MHz

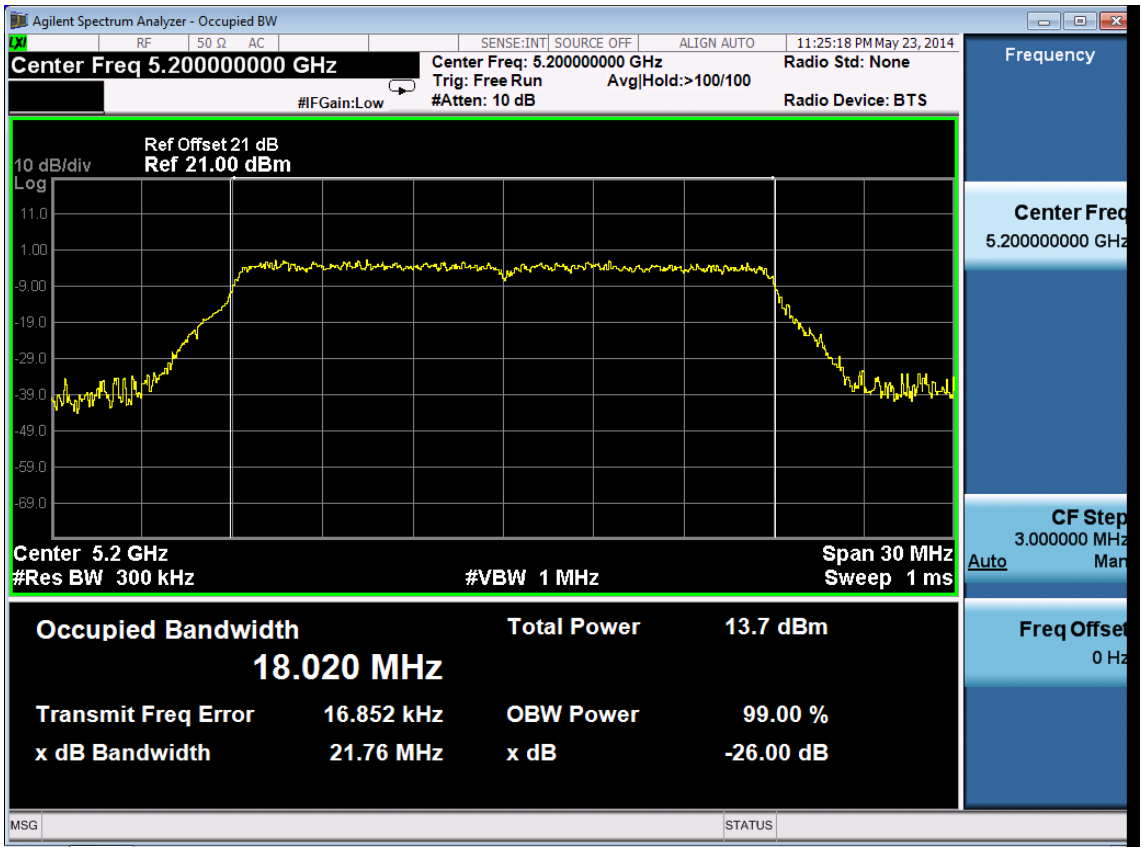


11ac VHT20

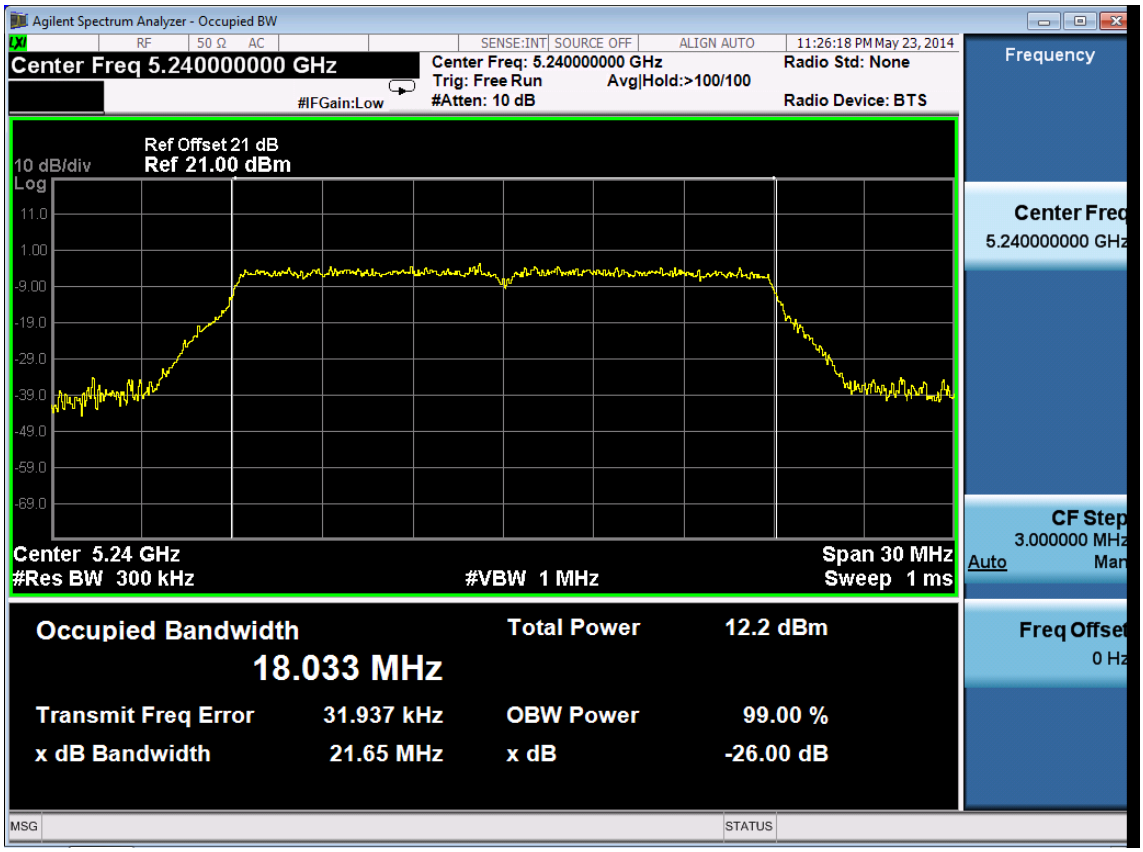
5180MHz



5200MHz

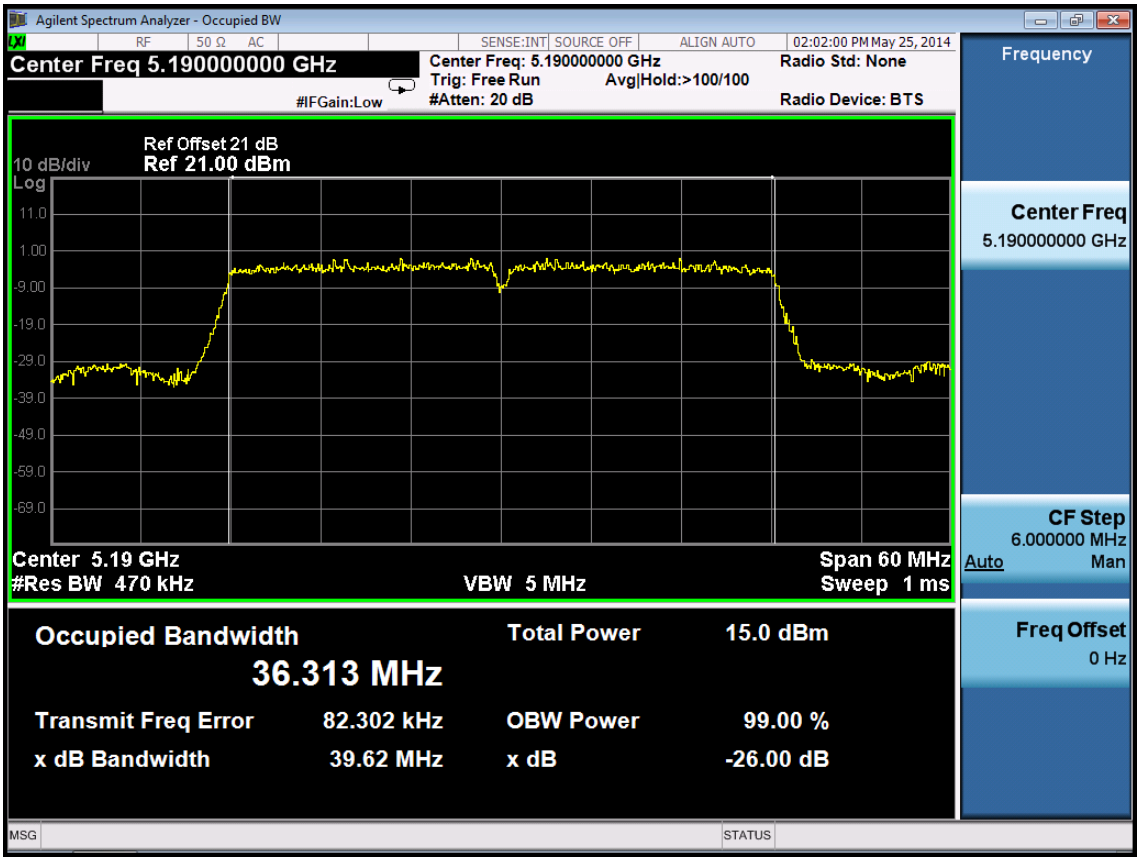


5240MHz

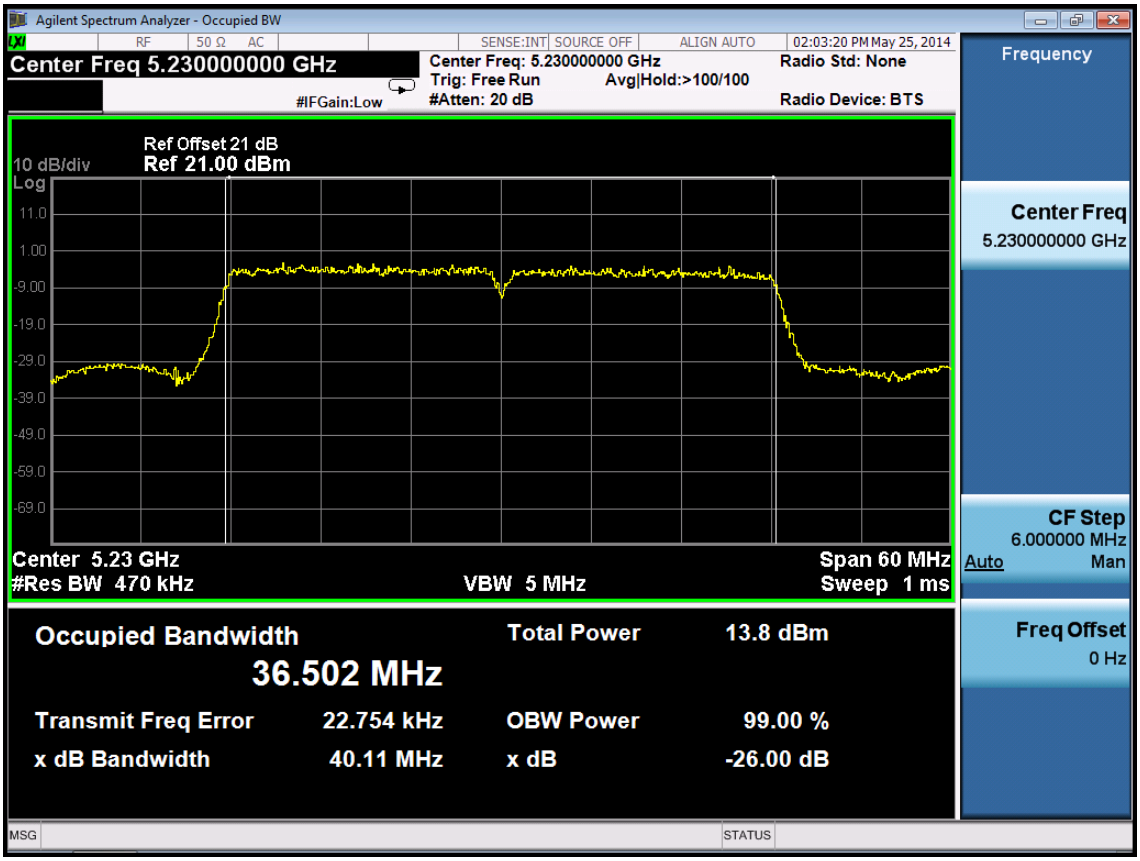


11ac VHT40

5190MHz

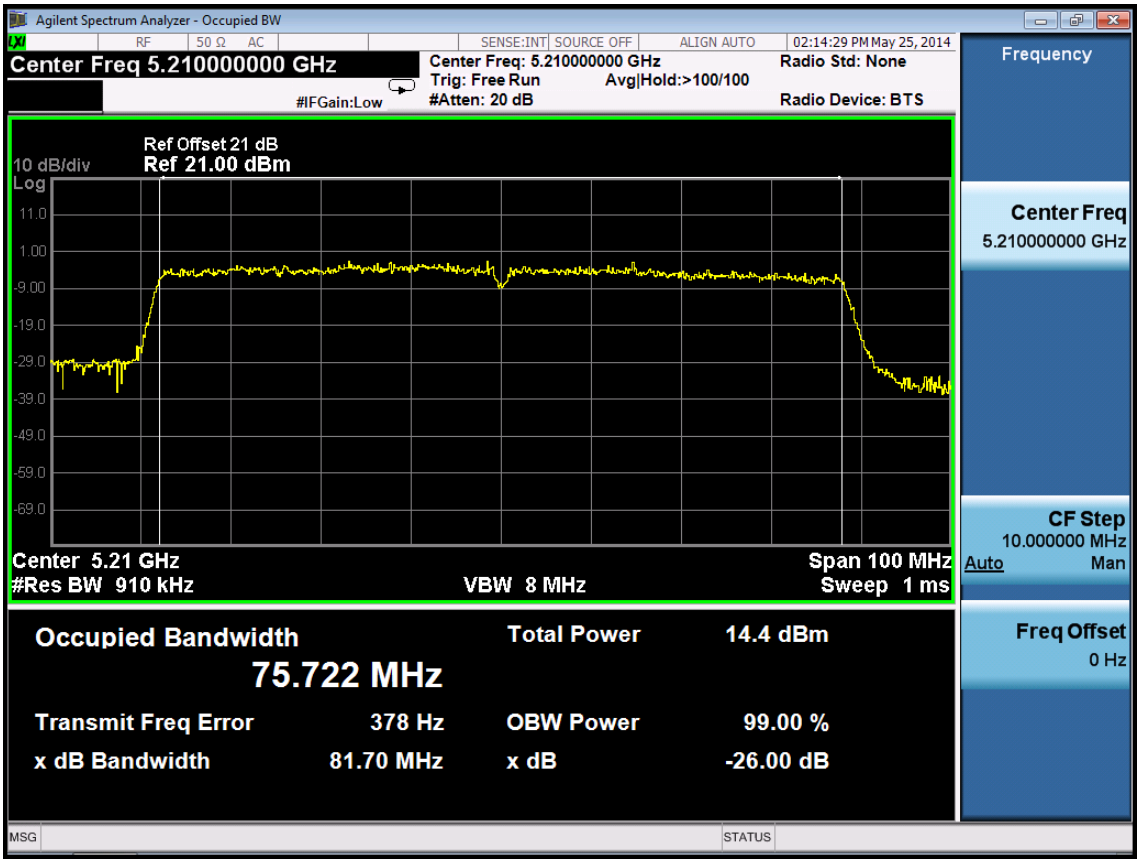


5230MHZ



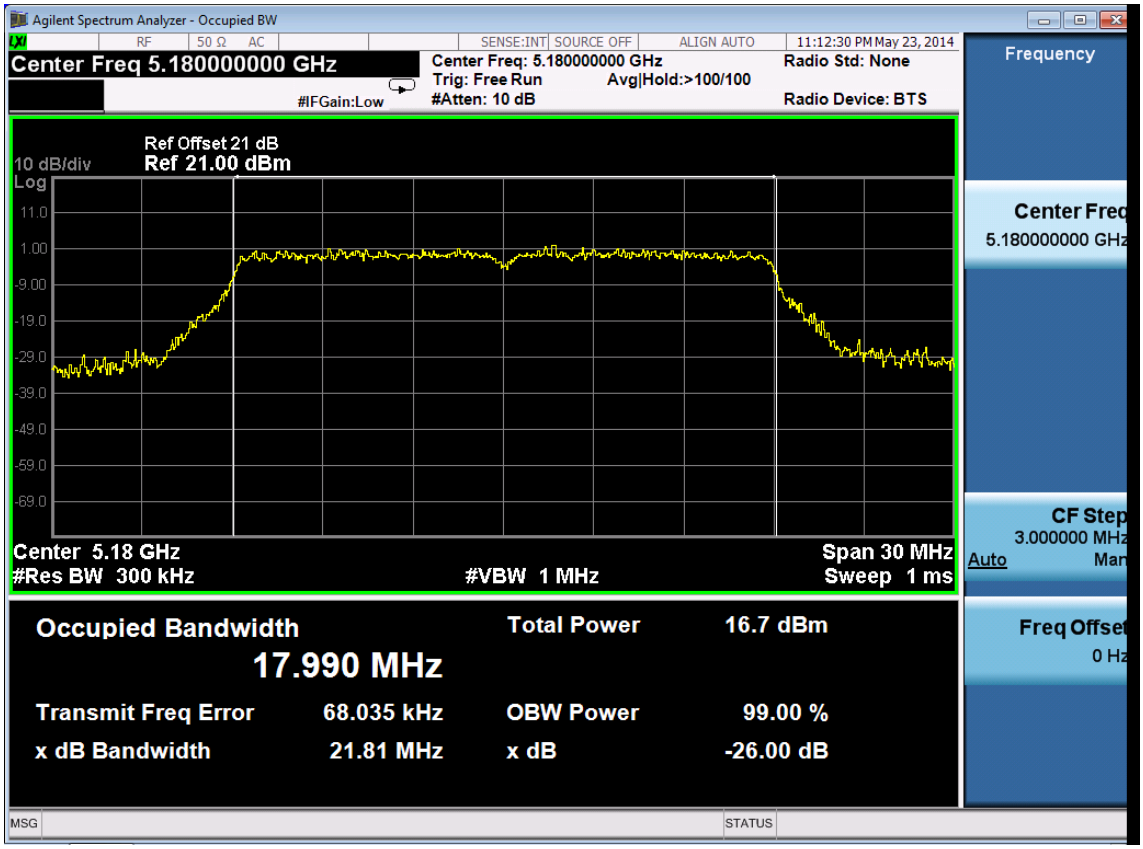
11ac VHT80

5210MHz

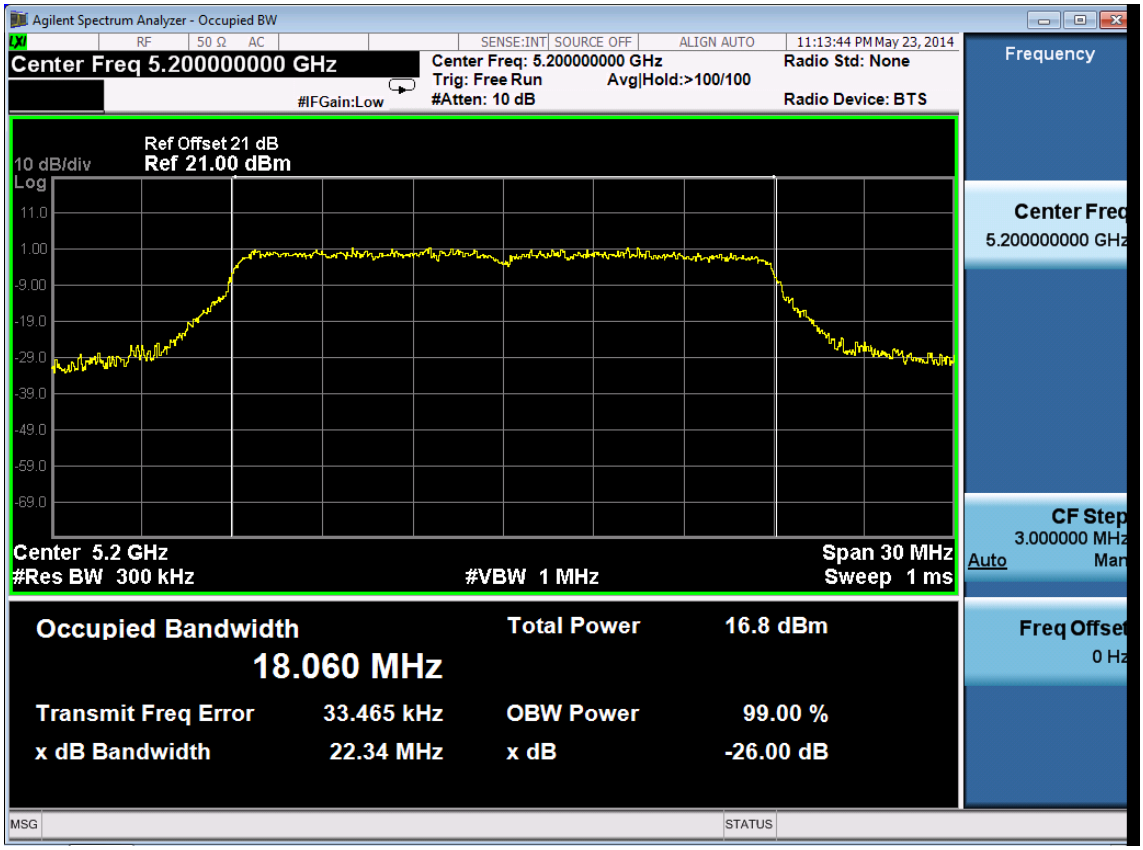


11n HT20

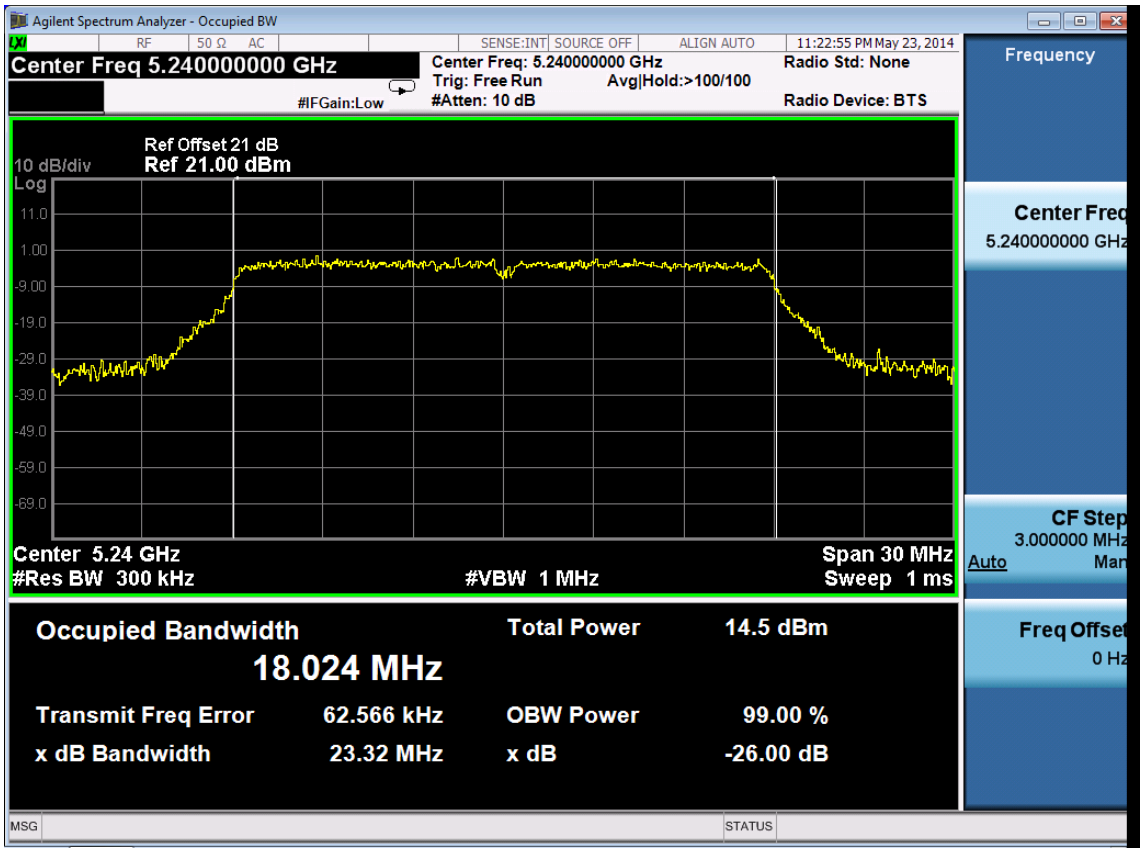
5180MHz



5200MHz

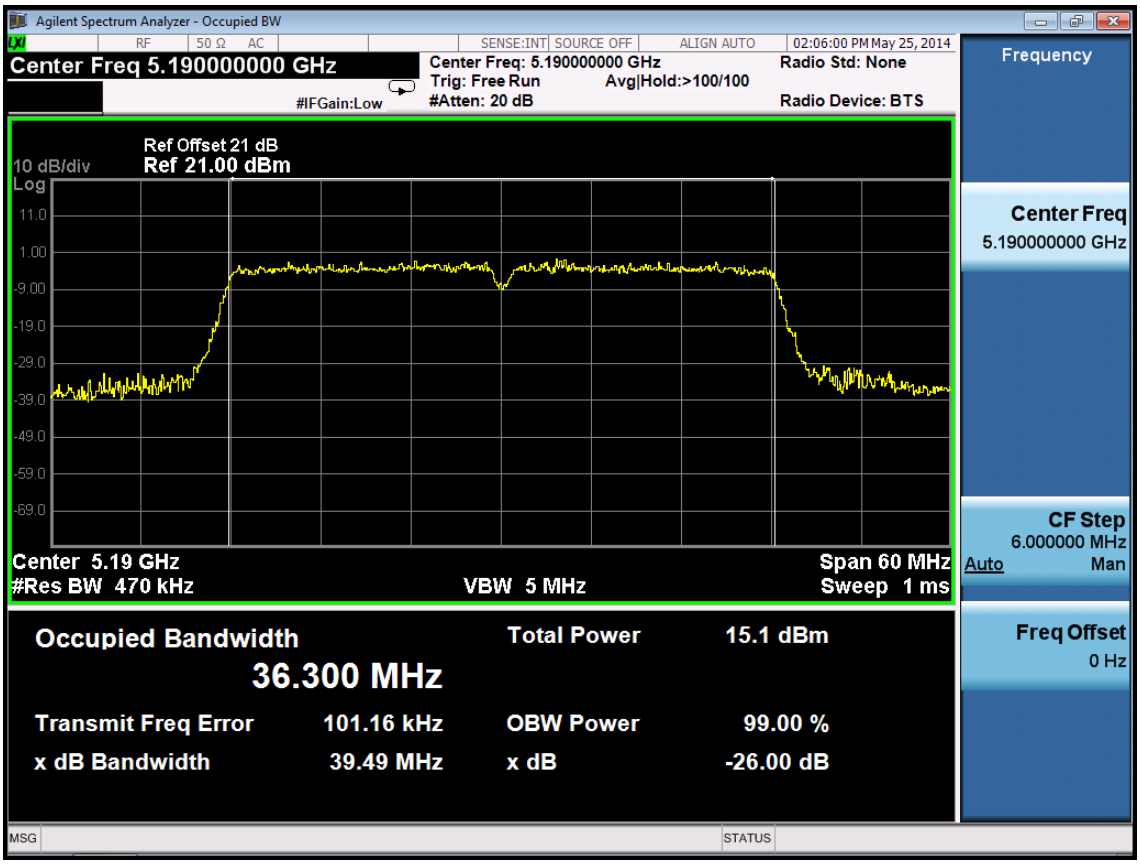


5240MHz

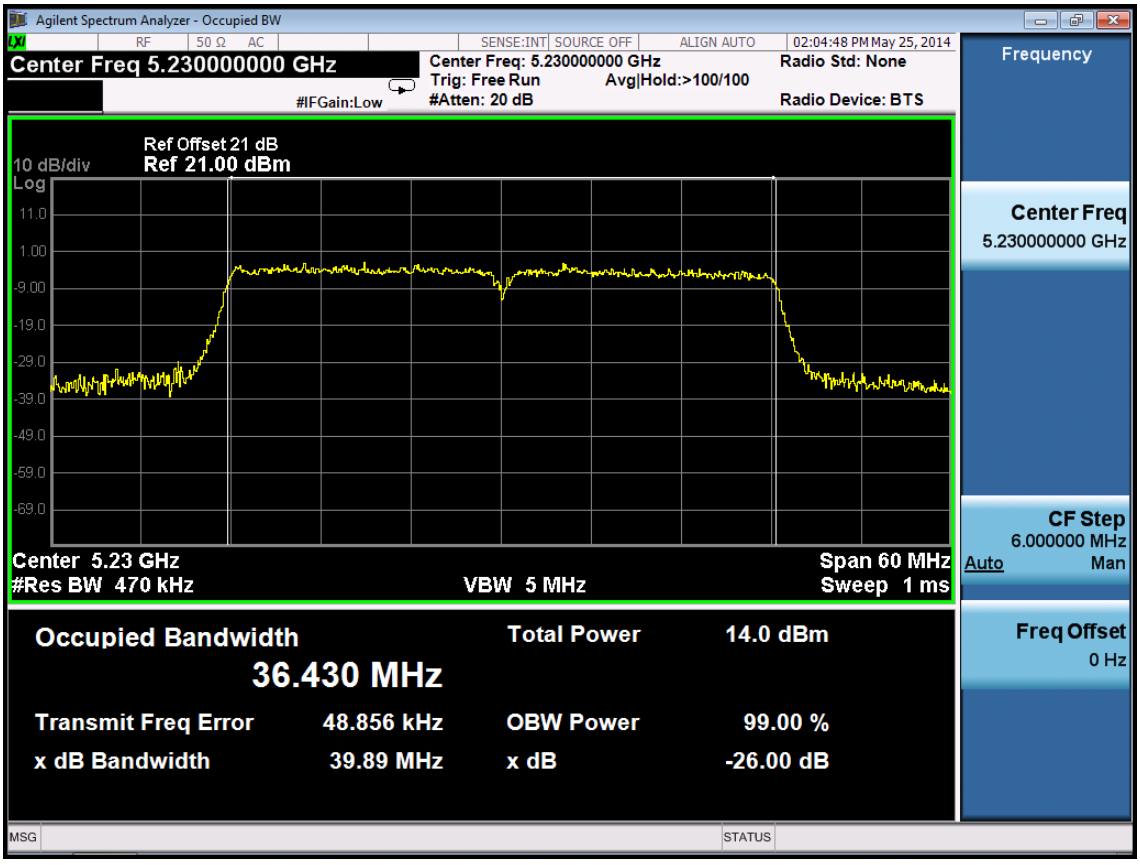


11n HT40

5190MHz



5230MHz



7. OUTPUT POWER TEST

7.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1Year
2.	Power meter	Anritsu	ML2487A	6K00002472	Apr. 28,14	1Year
3.	Power sensor	Anritsu	MA2491A	0033005	Apr. 28,14	1Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	Apr. 28,14	1 Year

7.2.Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, For the 5250-5350MHz and 5.47-5.725GHz the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250Mw or 11dBm+10 log B. where B is the 26-dB emission bandwidth in MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.3.Test Procedure

1. Connected the EUT's antenna port to measure device by 26dB attenuator.
2. For IEEE 802.11a and IEEE802.11n HT20 and 802.11ac VHT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB bandwidth of signal to measure out each test modes' PK output power.
3. For IEEE802.11n HT40 and 802.11ac VHT40 & 80 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So use the test method described in KBD789033 clause E Method SA-1
   1) Connect the antenna port to the spectrum analyzer and Set span of the spectrum to encompass the entire 26-dB emission bandwidth (EBW) of the signal.
   2) Set the RBW=1MHz and VBW =3MHz
   3) Number of points in sweep ≥ 2 Span / RBW
   4) Detector = RMS
   5) Sweep time = auto couple
   6) Allow the sweep to "free run" and set the Trace average at least 100 traces in power averaging (i.e., RMS) mode.
   7) Compute power by integrating the spectrum across the 26 dB EBW of the signal using the instrument's band power measurement function with band limits set equal to the EBW band edges.

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

7.4.Test Results

Band 1(5150-5250MHz):

EUT:Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-25	Pressure: 101.3±1.0 kpa	Humidity: 50.9±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency (MHz)	RF Output Power (dBm)	Limit (dBm)
11a	5180	13.09	17
	5200	12.75	17
	5240	13.33	17
11n HT20	5180	12.77	17
	5200	12.39	17
	5240	11.72	17
11n HT40	5190	11.50	17
	5230	12.01	17
11ac VHT20	5180	12.72	17
	5200	12.21	17
	5240	11.52	17
11ac VHT40	5190	10.77	17
	5230	10.37	17
11ac VHT80	5210	10.93	17
Conclusion: PASS			

Band 1(5150-5250MHz):

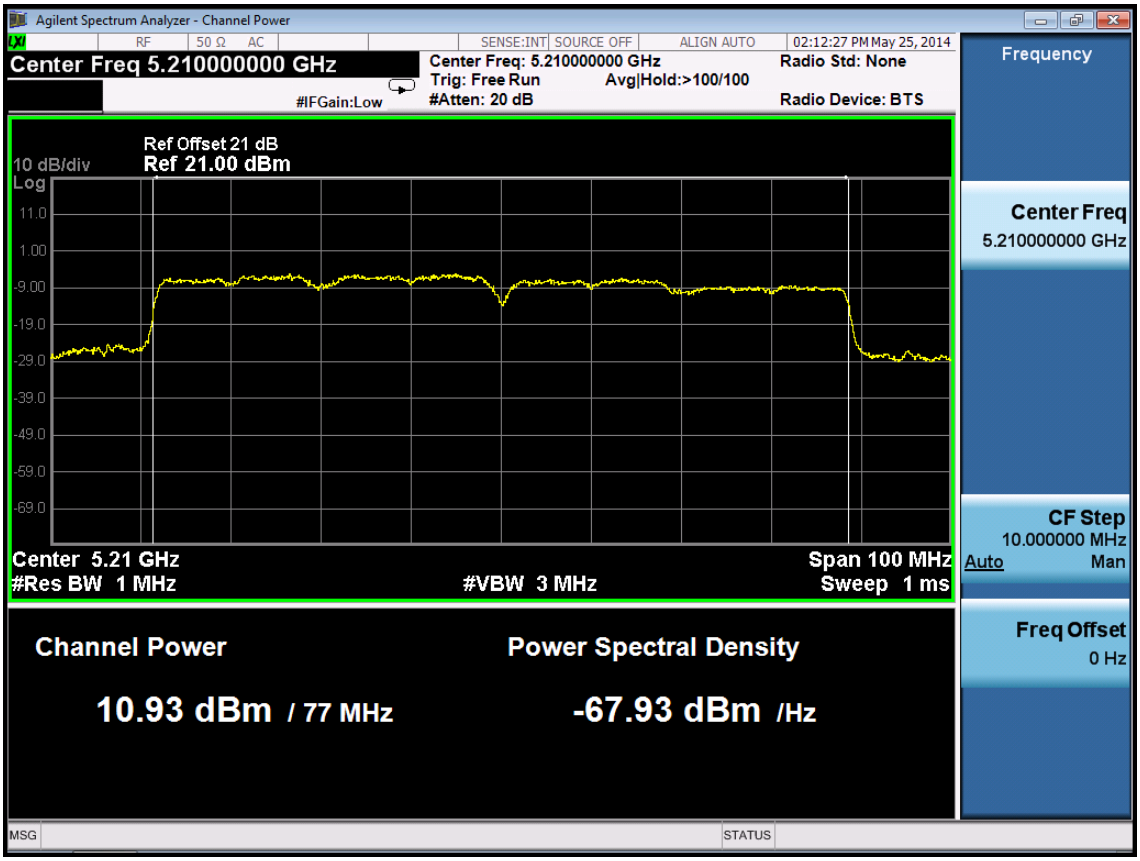
11ac VHT40

5190MHz

5230MHz

11ac VHT80

5210MHz



11nHT40

5190MHz

5230MHz


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
02:00:40 PM May 25, 2014
Center Freq 5.230000000 GHz
Center Freq: 5.230000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
11.0
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
Center Freq
5.230000000 GHz
Center 5.23 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
12.01 dBm / 37 MHz
Power Spectral Density
-63.68 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

8. POWER SPECTRAL DENSITY TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Amp	HP	8449B	3008A08495	Apr.28,14	1 Year
3.	Antenna	EMCO	3115	9607-4877	Aug.27, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	274094/4	Apr.28,14	1 Year

8.2. Limit

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. 5250-5350MHz, 5470-5725MHz shall not exceed 11dBm in any 1-MHz band.

8.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW,RMS Detector.
So use the test method described in KDB789033 clause E

1) Set span of the spectrum to encompass the entire 26-dB emission bandwidth (EBW) of the signal.
2) Set the RBW=1MHz and VBW =3MHz
3) Number of points in sweep ≥ 2 Span / RBW
4) Detector = RMS
5) Sweep time = auto couple
6) Allow the sweep to “free run” and set the Trace average at least 100 traces in power averaging (i.e., RMS) mode.
7) Use the peak search function find the max value as the power density in 1MHz.

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

8.4.Test Results

Band 1(5150-5250MHz):

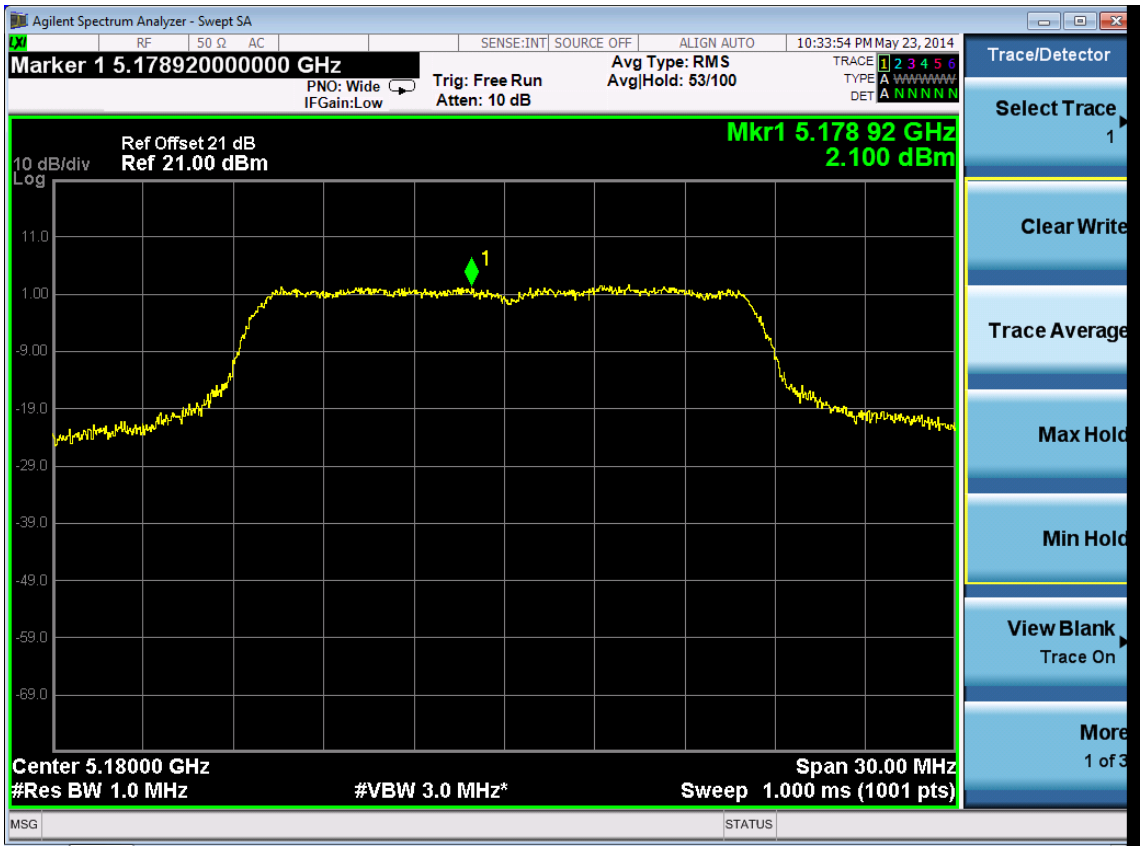
EUT:Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-25	Pressure: 101.1±1.0 kpa	Humidity:52.2±3.0%
Tested by:Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency（MHz）	Power Density (dBm/MHz)	Limit （dBm/MHz）
11a	5180	2.100	4
	5200	1.368	4
	5240	2.286	4
11n HT20	5180	1.916	4
	5200	1.808	4
	5240	0.742	4
11n HT40	5190	-3.135	4
	5230	-1.555	4
11ac VHT20	5180	1.748	4
	5200	1.150	4
	5240	0.312	4
11ac VHT40	5190	-3.310	4
	5230	-3.252	4
11ac VHT80	5210	-5.221	4
Conclusion: PASS			

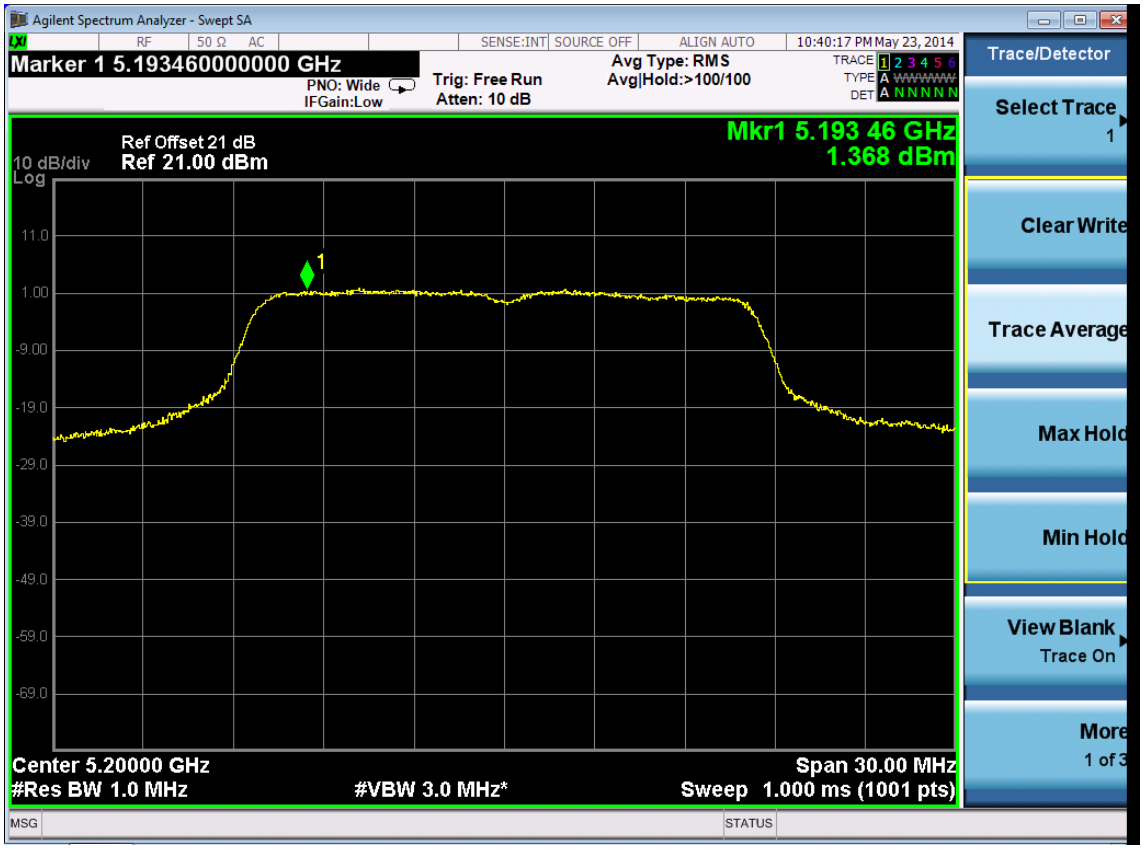
Band 1(5150-5250MHz):

11a

5180MHz



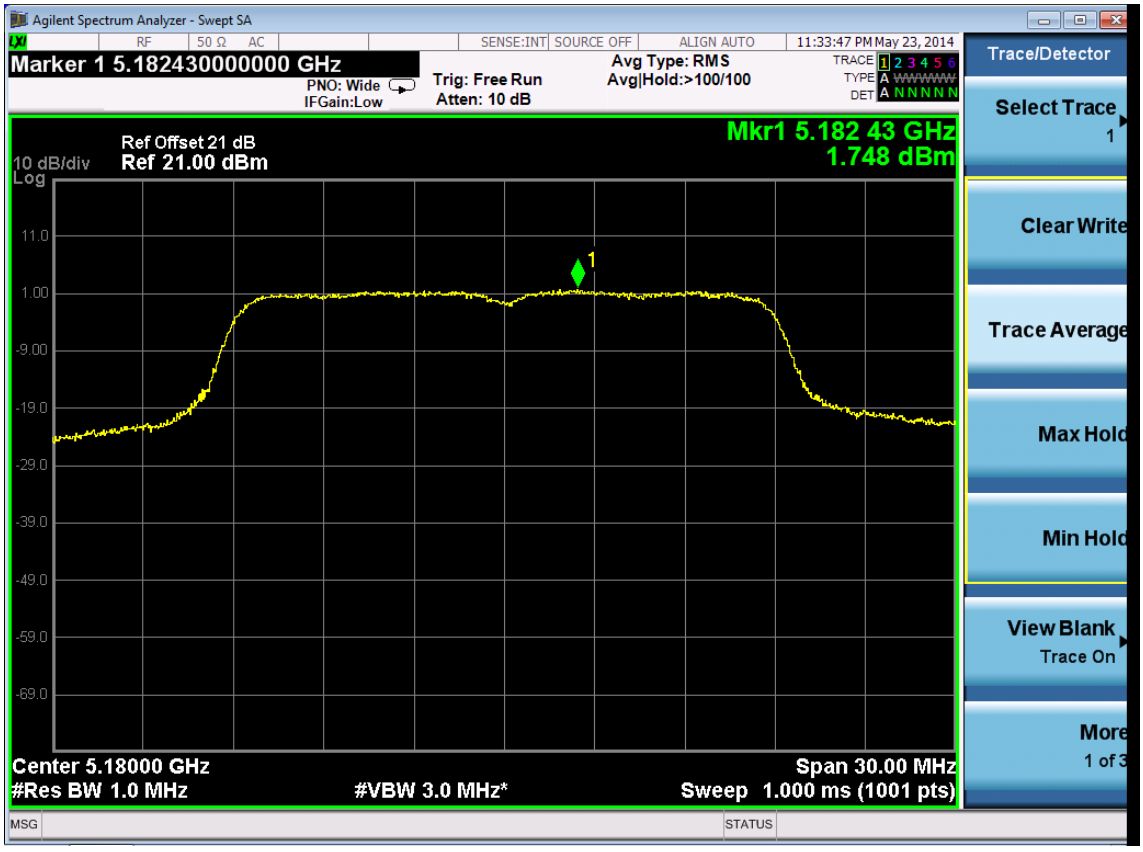
5200MHz



5240MHz

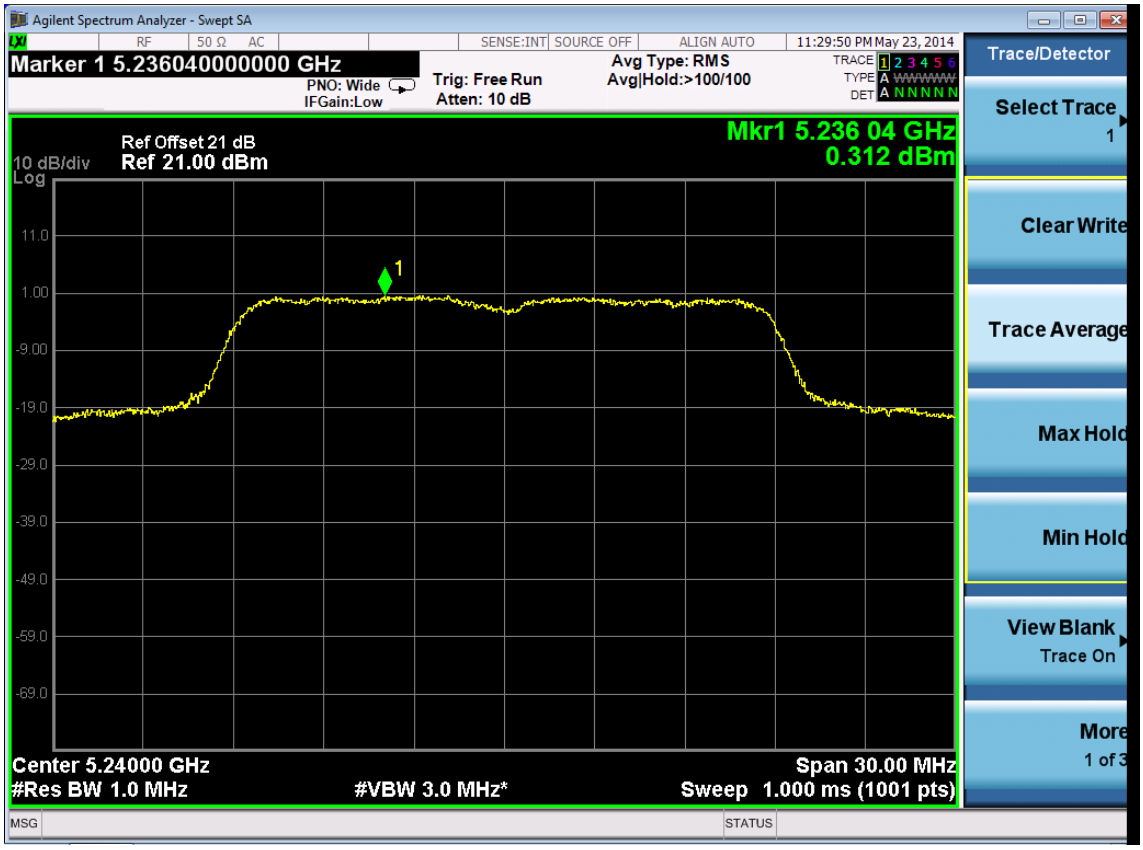
11ac VHT20

5180MHz



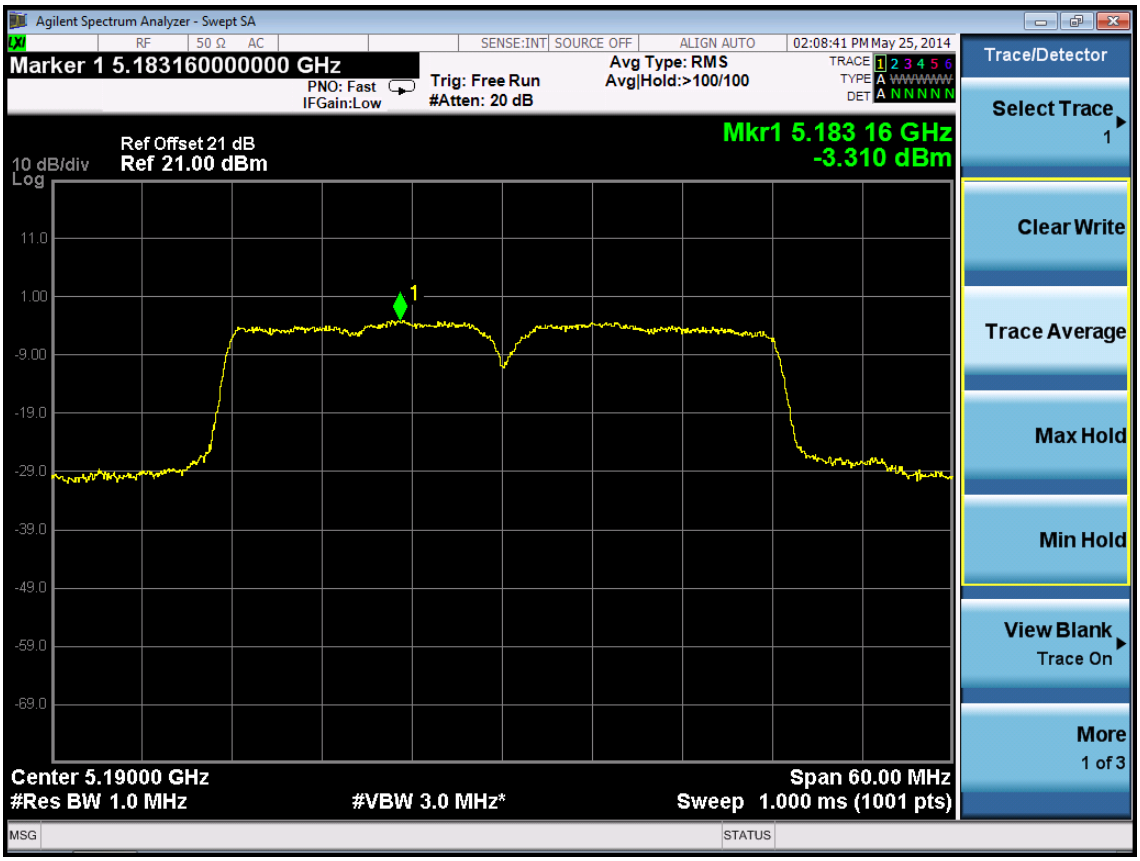
5200MHz

5240MHz

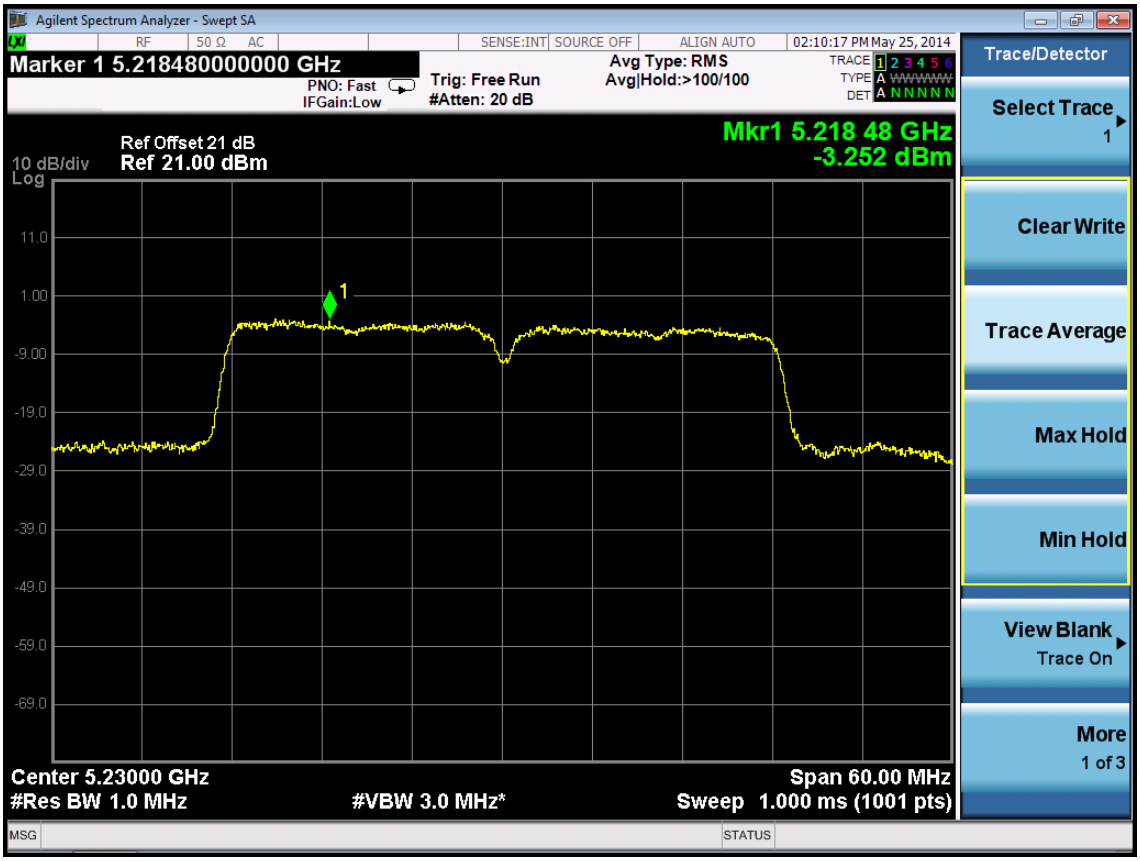


11ac VHT40

5190MHz

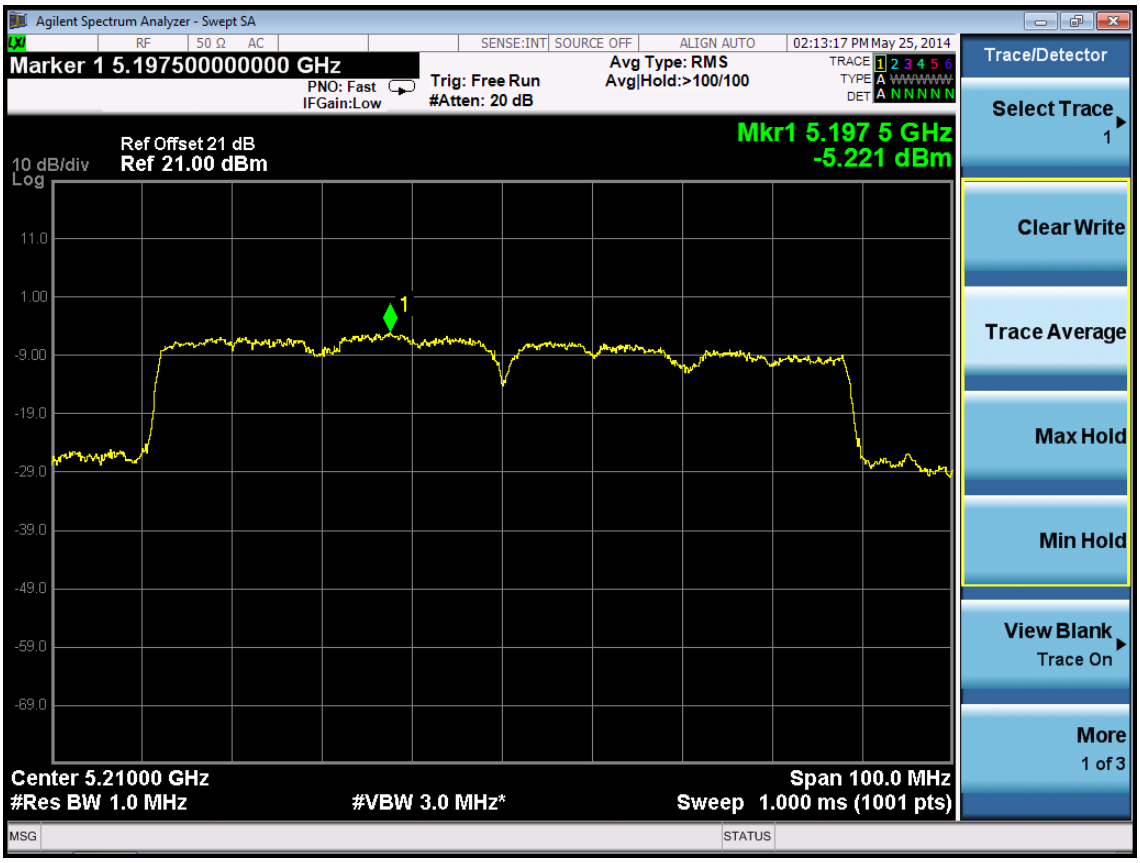


5230MHz



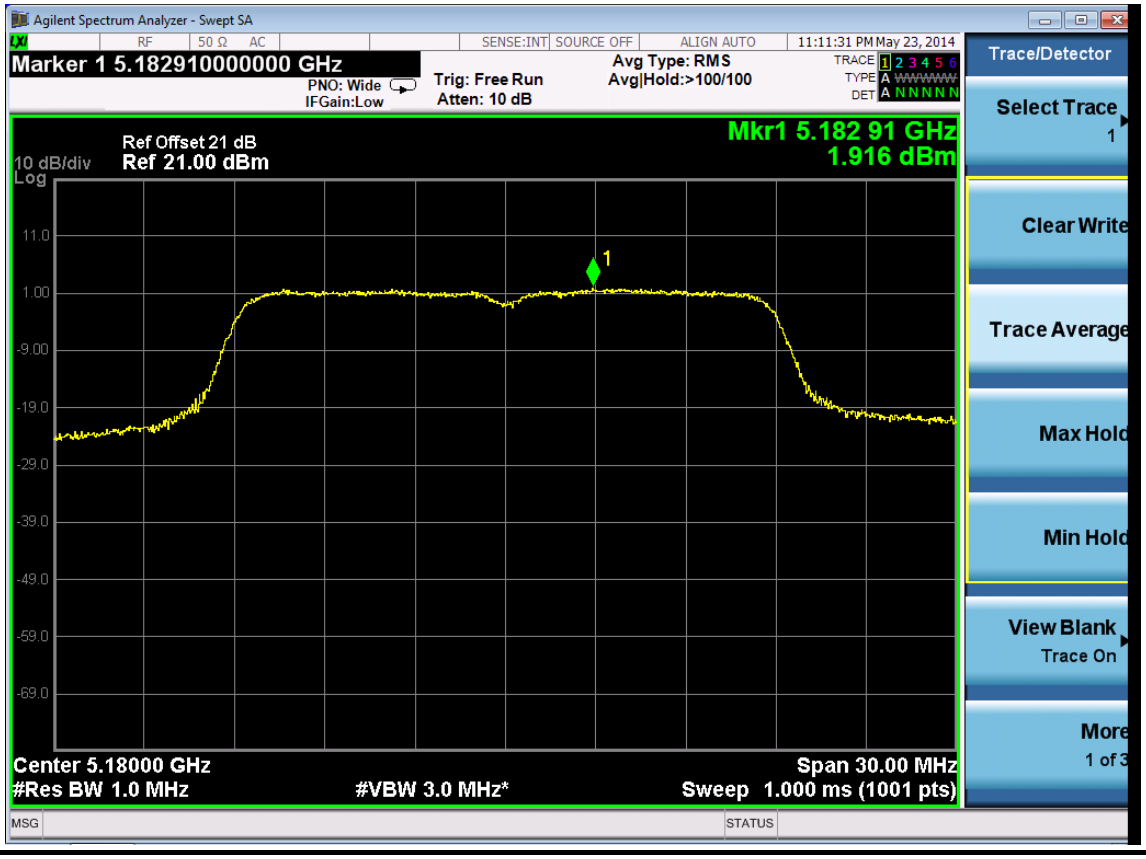
11ac VHT80

5210MHz



11nHT20

5180MHz

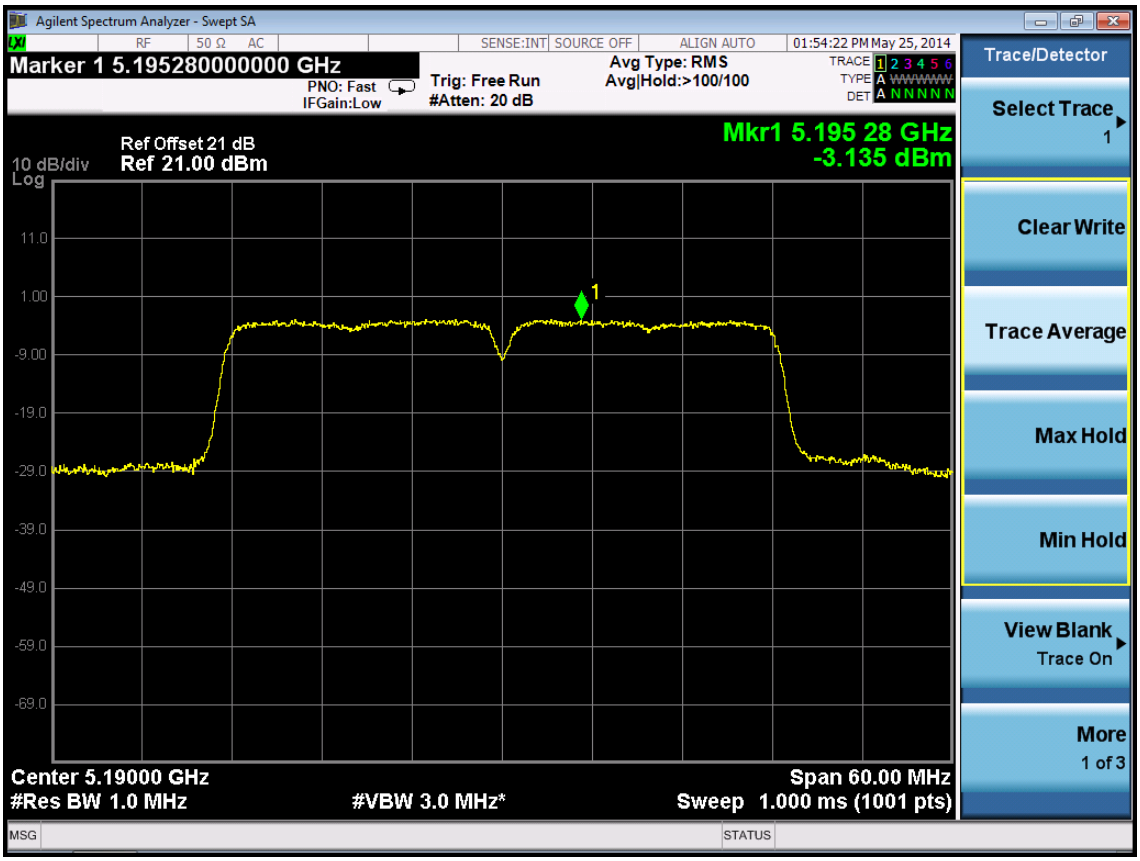


5200MHz

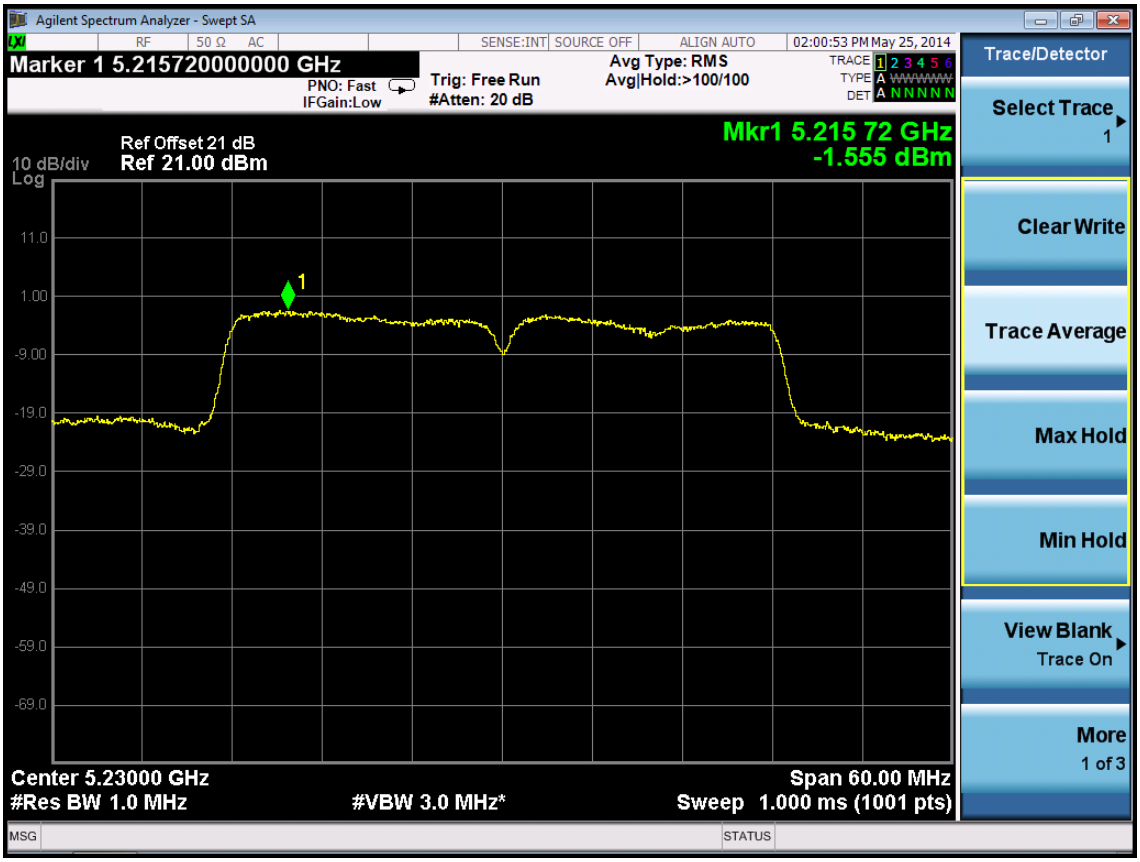
5240MHz

11nHT40

5190MHz



5230MHz



9. PEAK EXCURSION MEASUREMENT

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Amp	HP	8449B	3008A08495	Apr.28,14	1 Year
3.	Antenna	EMCO	3115	9607-4877	Aug.27, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	274094/4	Apr.28,14	1 Year

9.2. Limit

The ratio of the peak excursion of modulation envelope (measured using a peak hold function) to the maximum conducted power (measured as specified above) shall not exceed 13 dB across any 1MHz bandwidth whichever is less.

9.3. Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set the spectrum analyzer span to view the entire emissions bandwidth. The largest difference between the following two traces (Peak Trace and Average Trace) must be ≤ 13 dB for all frequencies across the emissions bandwidth. Submit a plot.
3. Peak Trace: Set RBW = 1 MHz, VBW ≥ 3 MHz with peak detector and max-hold settings.
4. Average Trace: Method #3—video averaging with max hold--and sum power across the band. Set span to encompass the entire emissions bandwidth (EBW) of the signal. Set sweep trigger to “free run”. Set RBW = 1 MHz. Set VBW ≥ 1/T (Draft n VBW = 300kHz ≥ 1/4 μ s). Use sample detector mode if bin width (i.e., span/number of points in spectrum) < 0.5 RBW. Otherwise use peak detector mode. Set max hold. Allow max hold to run for 60 seconds.

9.4.Test Results

Band 1(5150-5250MHz):

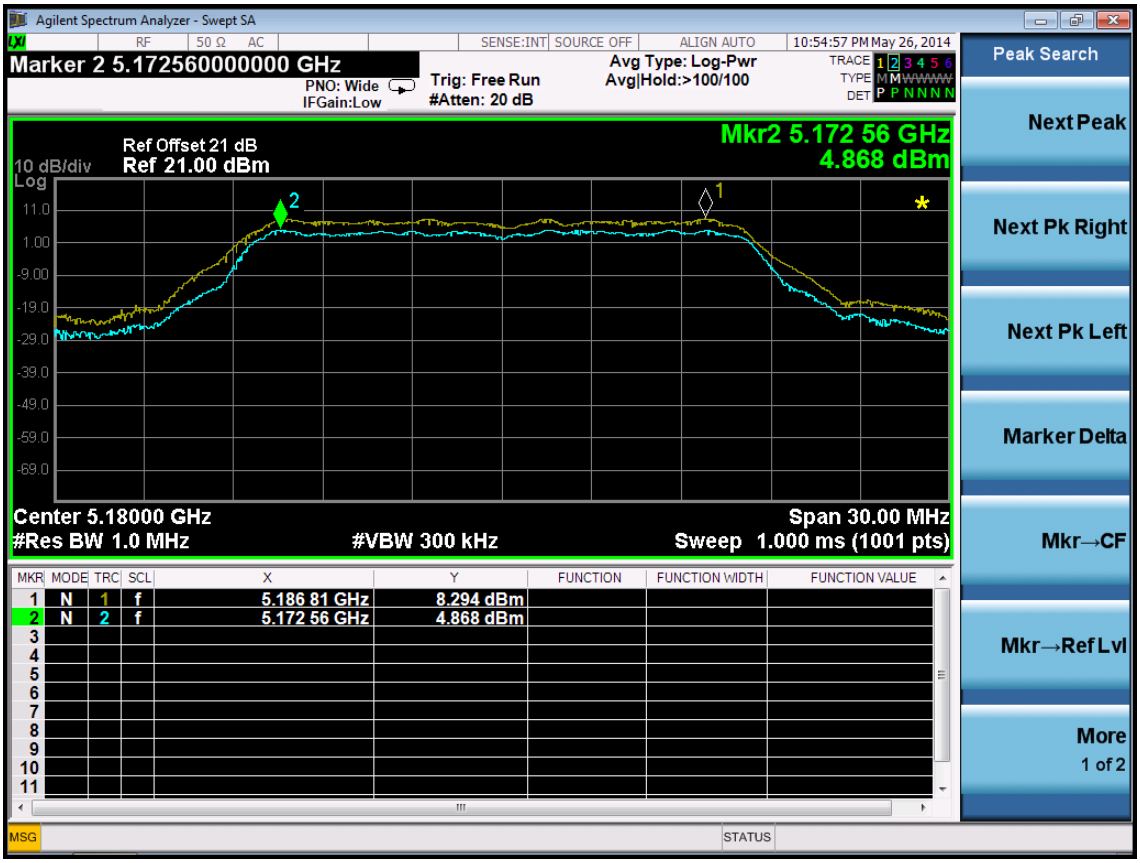
EUT:Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-26	Pressure: 101.1±1.0 kpa	Humidity: 51.2±3.0%
Tested by: Kevin_Hu	Test site: RF Site	Temperature：22.3±0.6℃

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency（MHz）	Power excursion（dB）	Limit (dB)
11a	5180	3.426	13
	5200	3.317	13
	5240	3.299	13
11nHT20	5180	3.654	13
	5200	3.312	13
	5240	2.97	13
11nHT40	5190	3.156	13
	5230	2.233	13
11ac VTH20	5180	3.488	13
	5200	3.340	13
	5240	3.635	13
11ac VTH40	5190	3.546	13
	5230	3.574	13
11ac VTH80	5210	3.699	13
Conclusion：PASS			

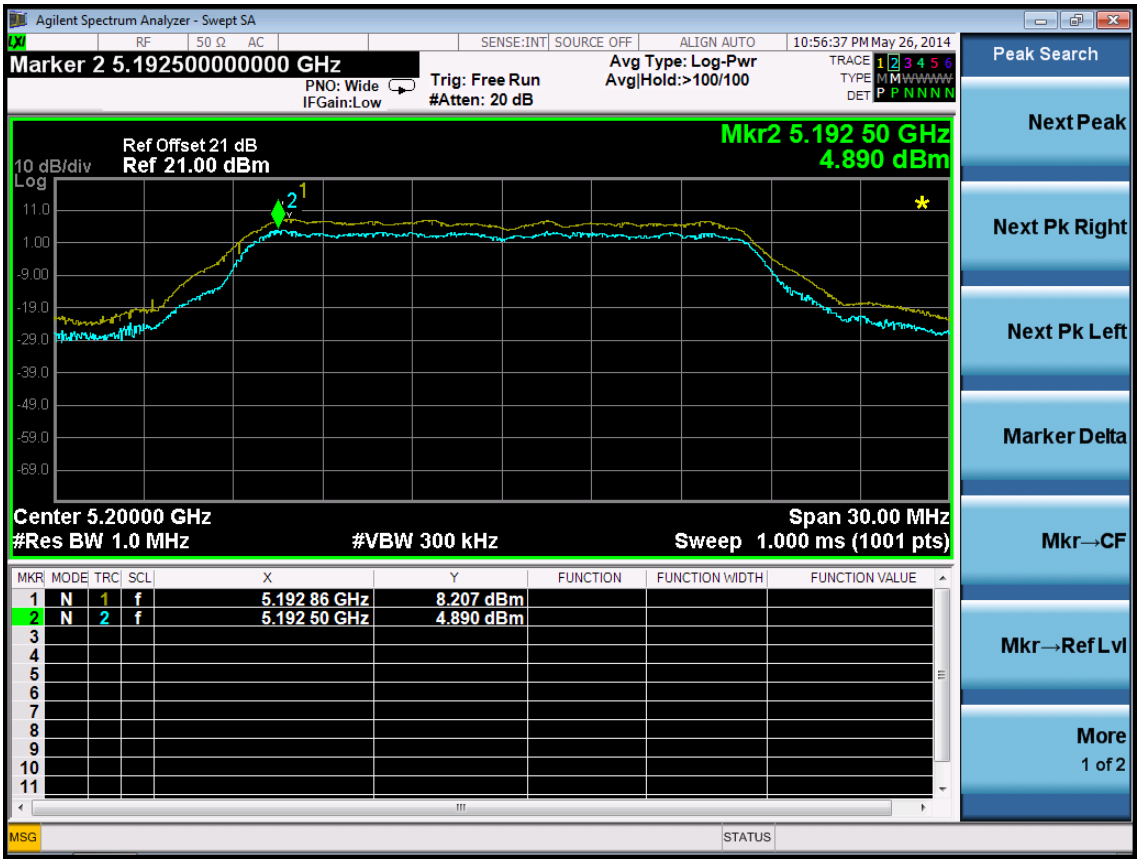
Band 1(5150-5250MHz):

11a

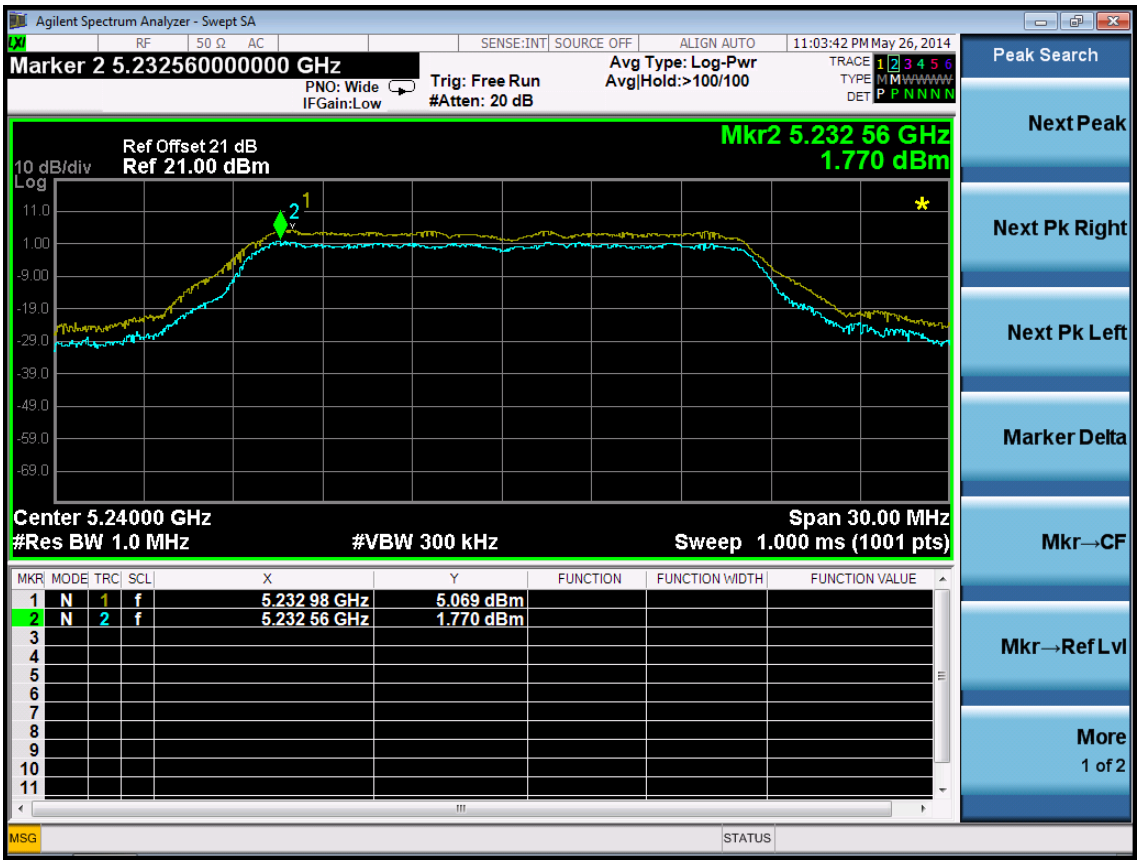
5180MHz



5200MHz

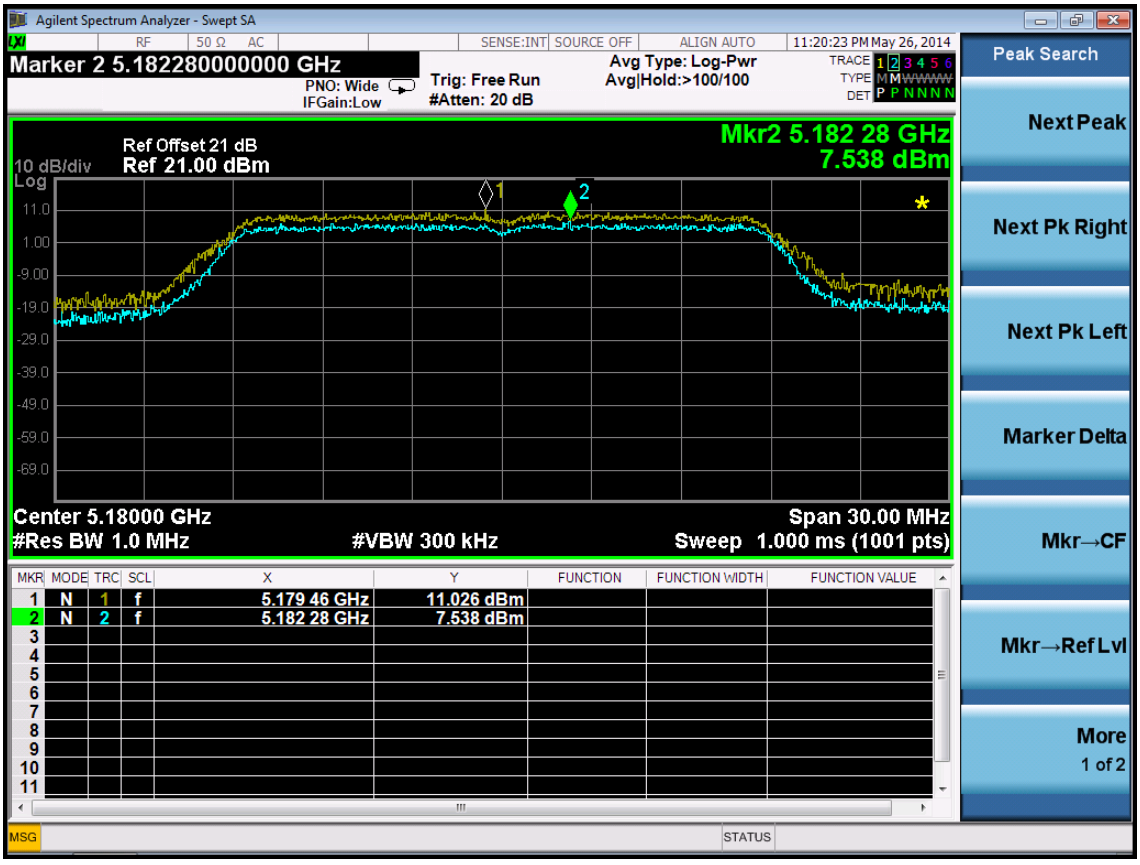


5240MHz

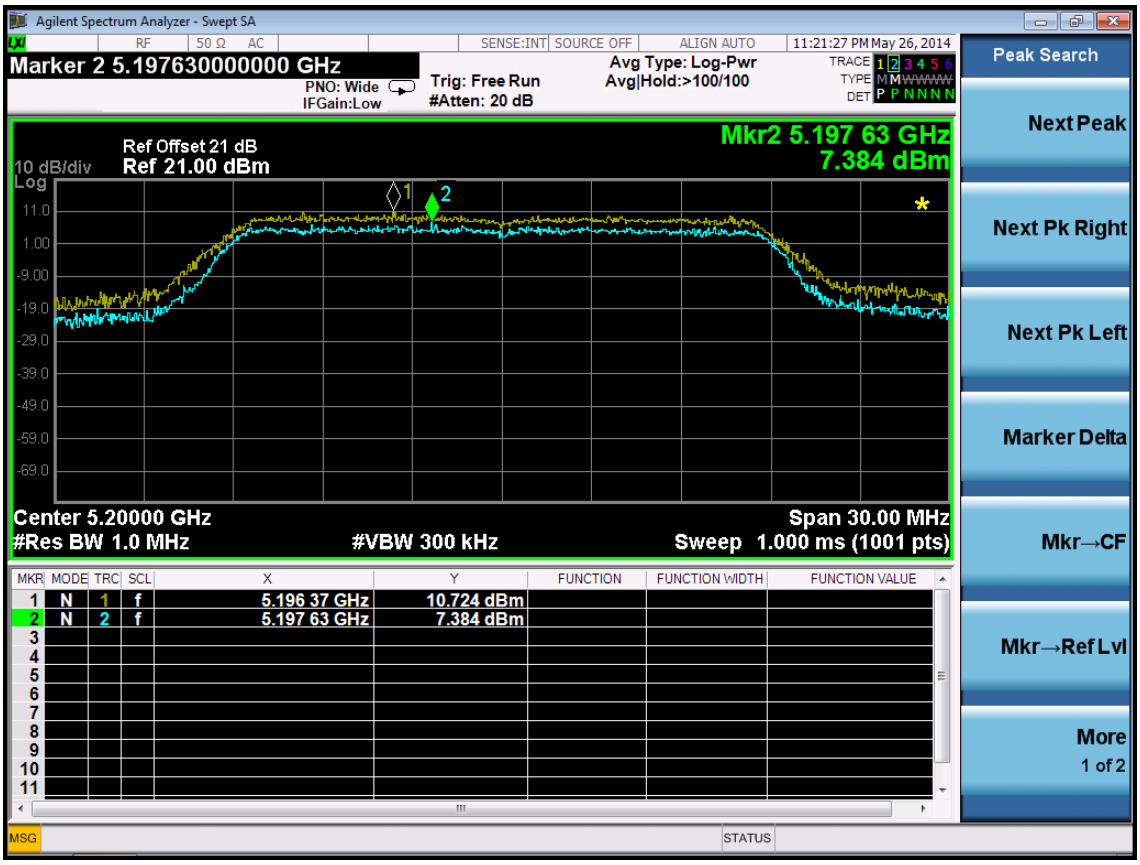


11ac VHT20

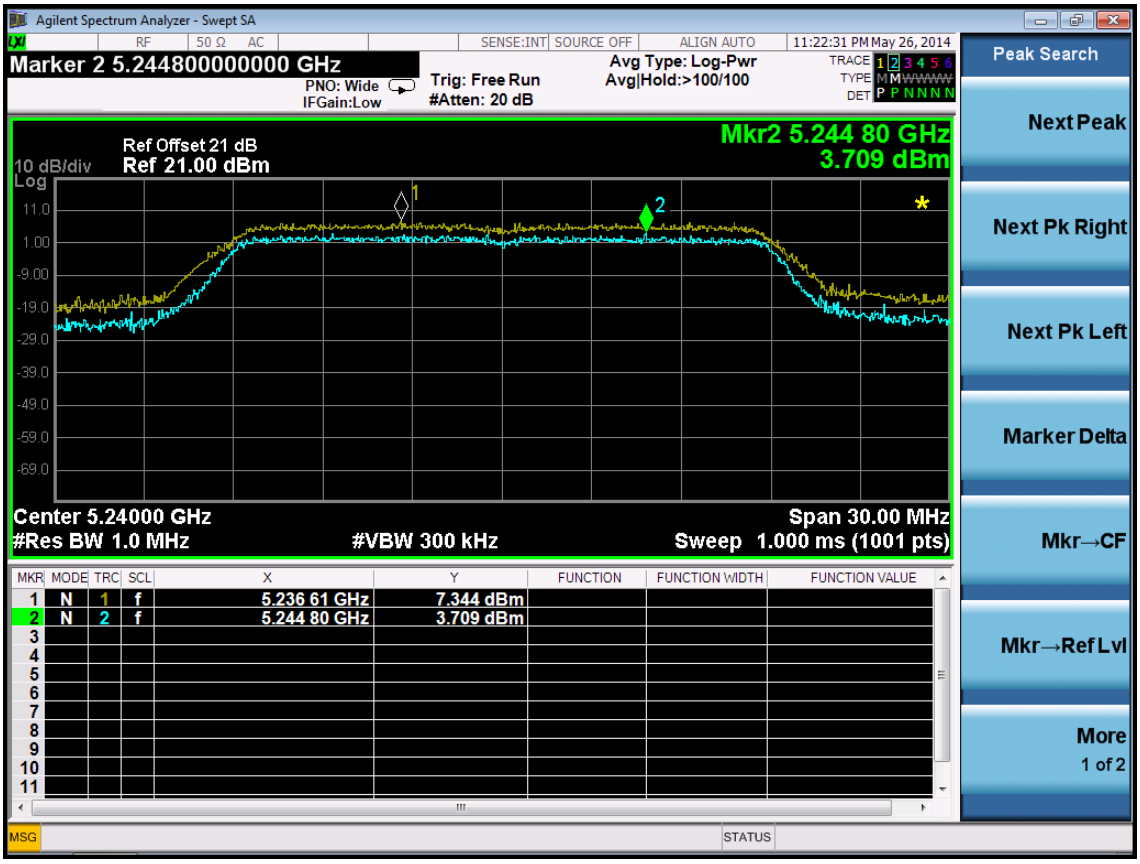
5180MHz



5200MHz

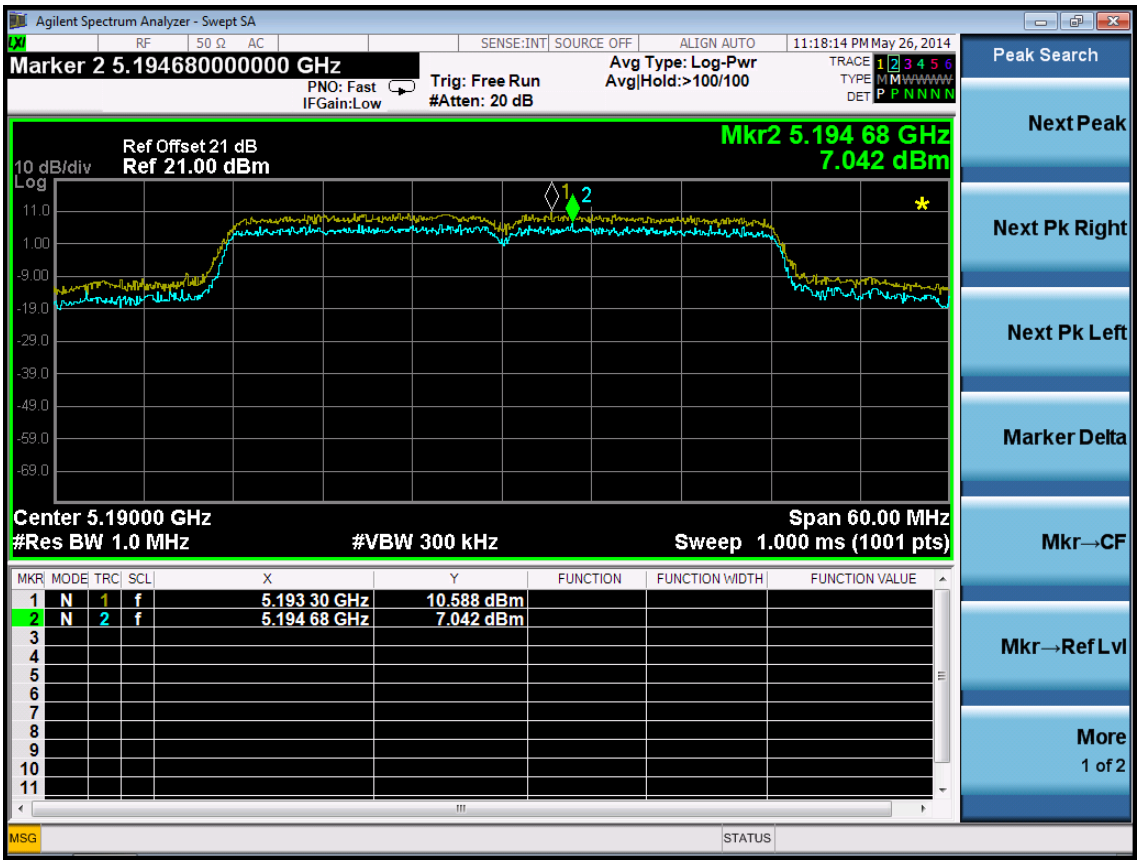


5240MHz

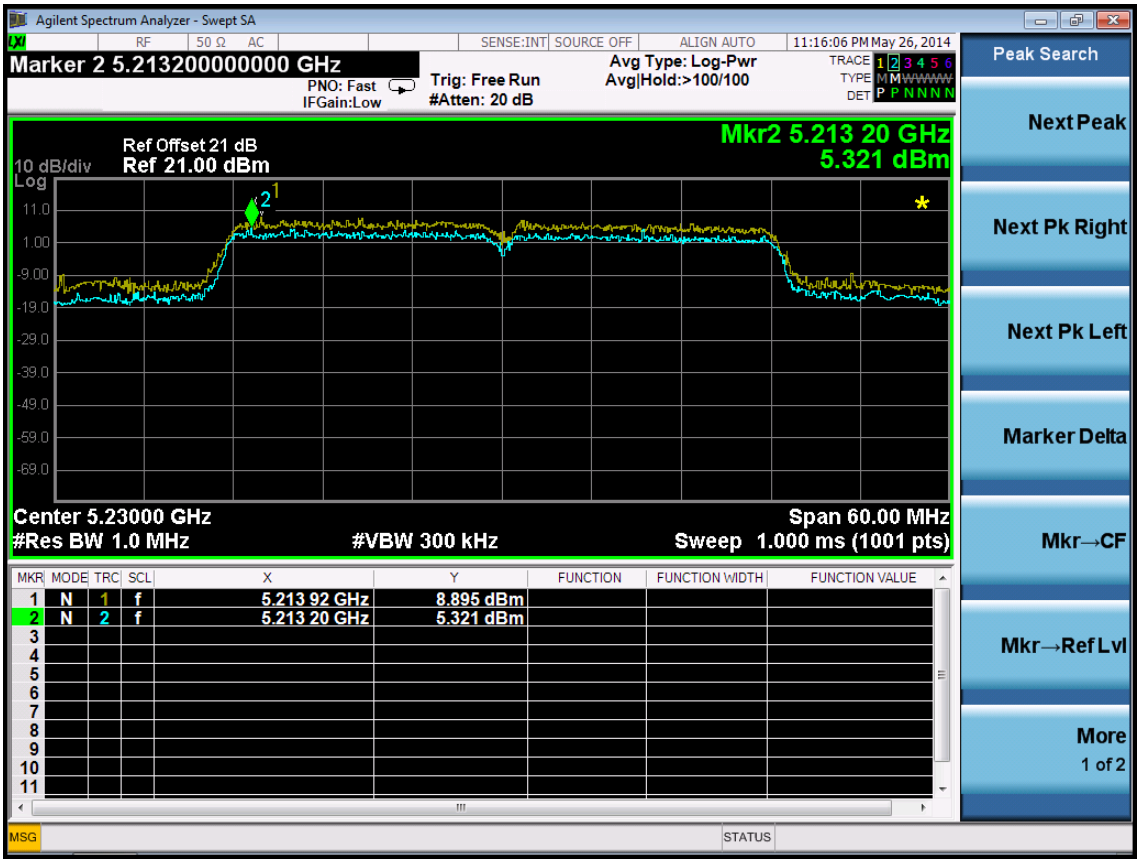


11ac VHT40

5190MHz

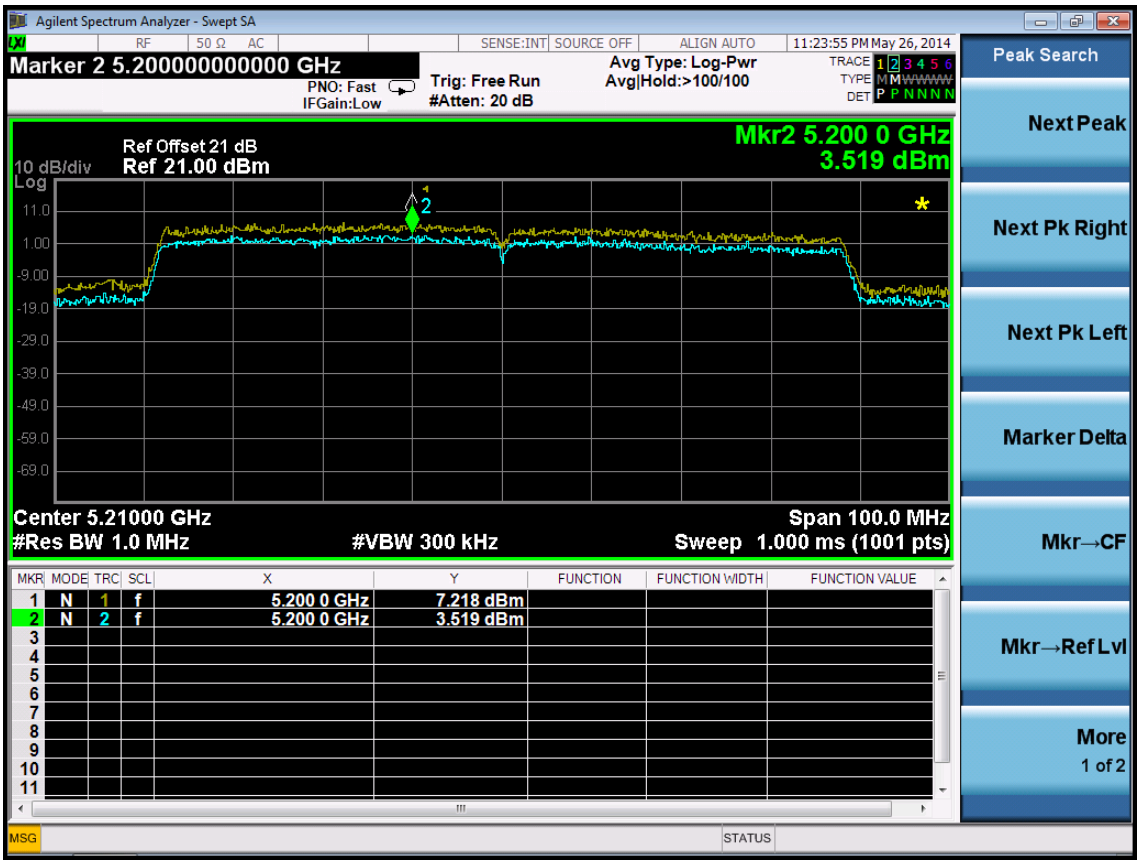


5230MHz



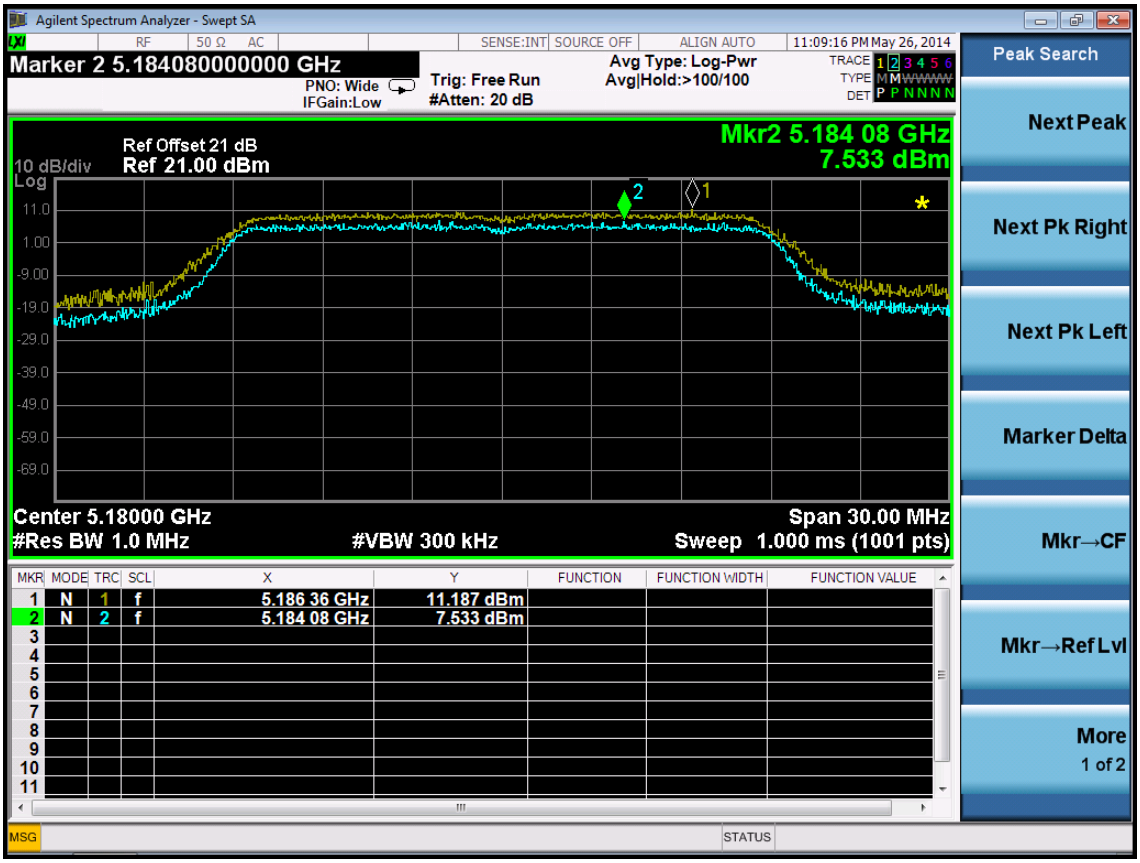
11ac VHT80

5210MHz

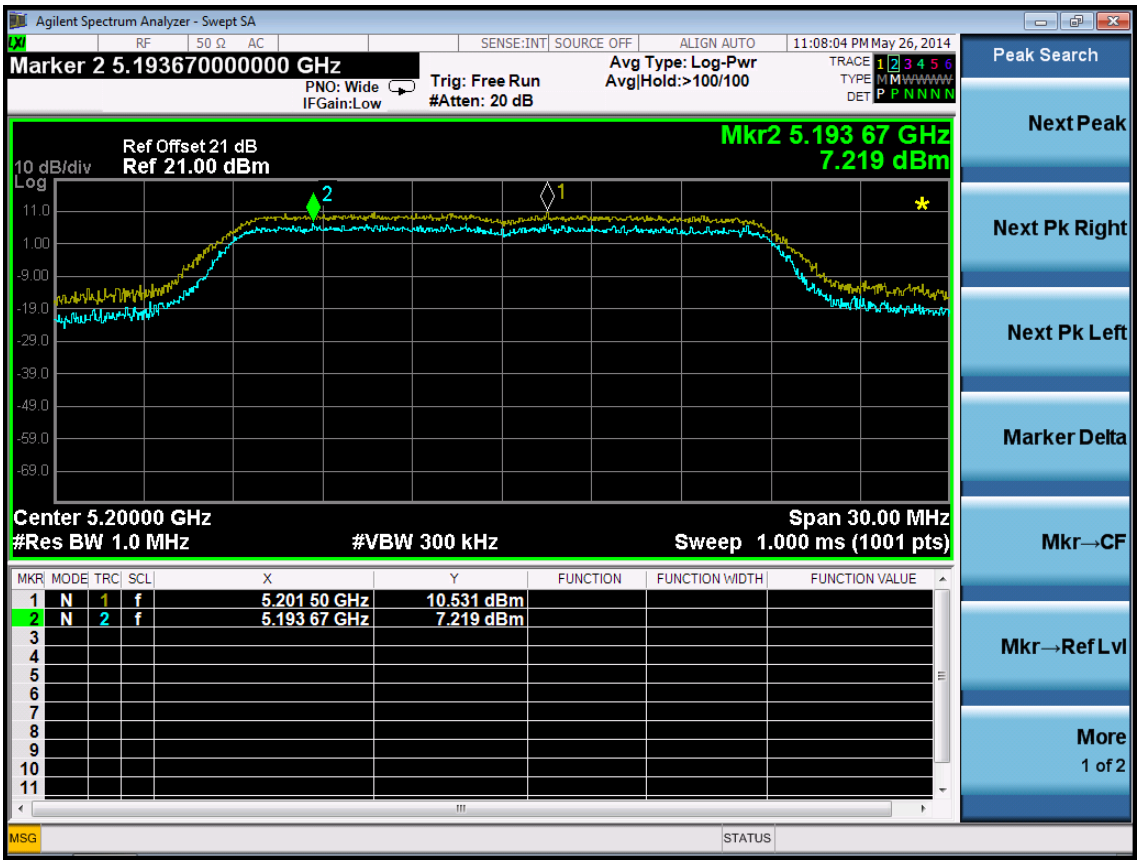


11nHT20

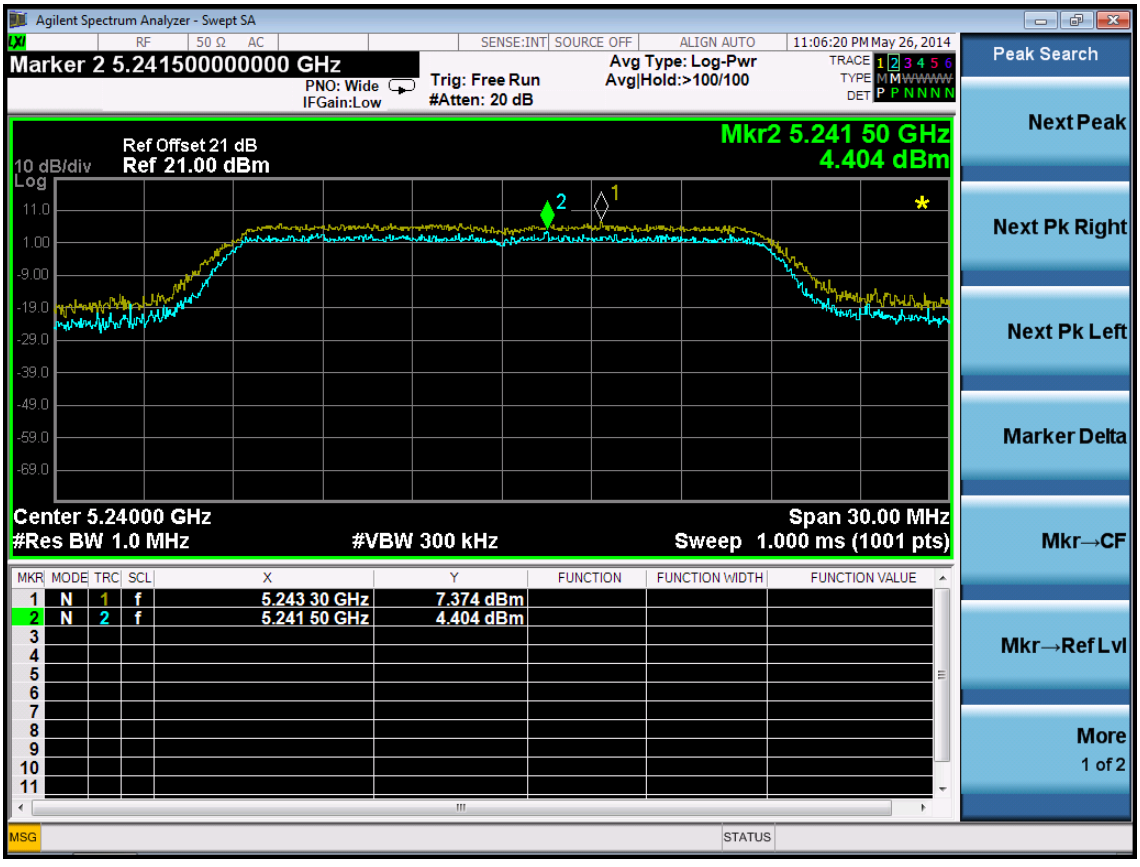
5180MHz



5200MHz

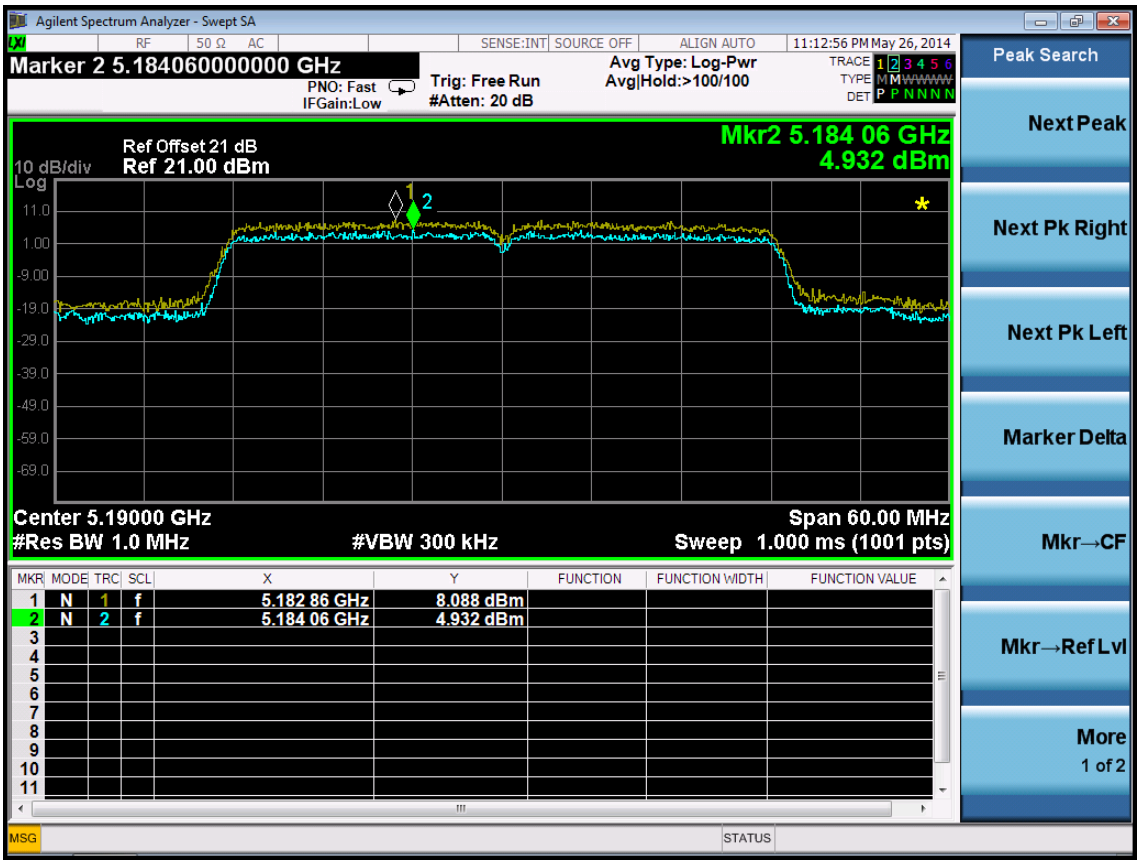


5240MHz

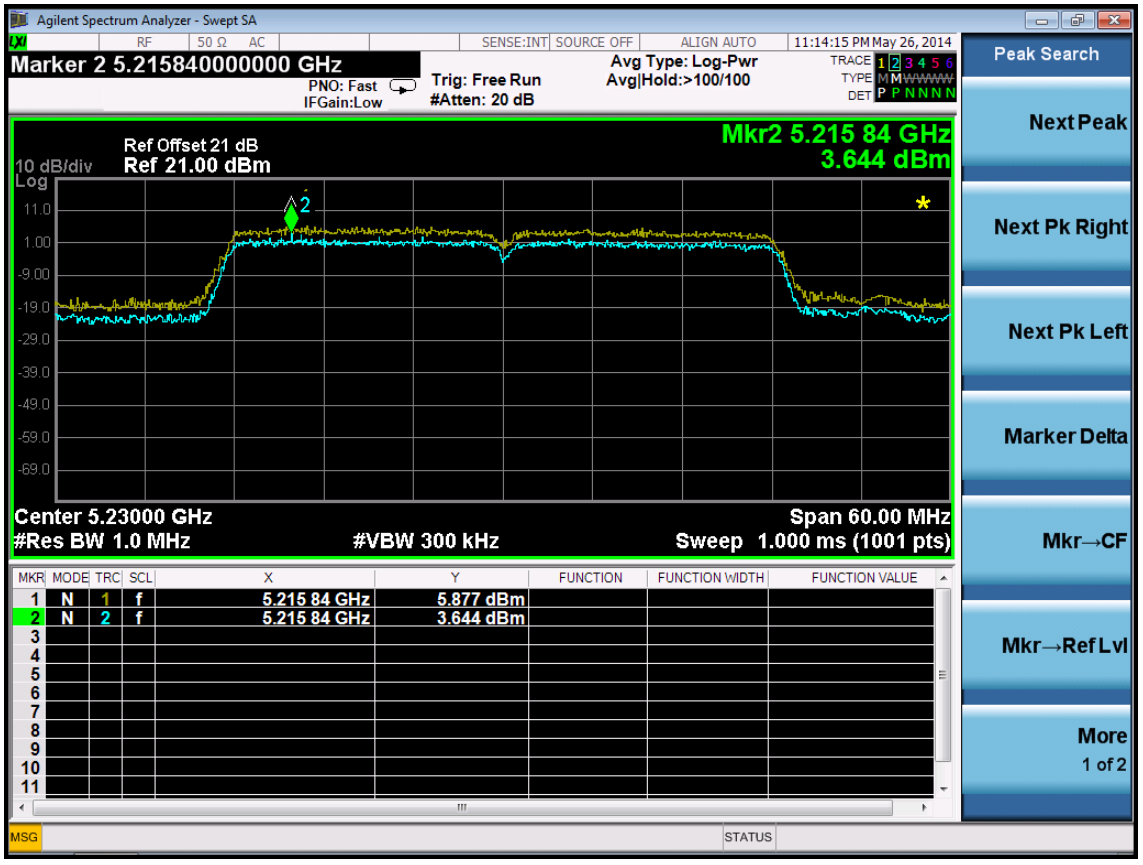


11nHT40

5190MHz



5230MHz



10. FREQUENCY STABILITY MEASUREMENT

10.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Amp	HP	8449B	3008A08495	Apr.28,14	1 Year
3.	Antenna	EMCO	3115	9607-4877	Aug.27, 13	1 Year
4.	HF Cable	Hubersuhne	Sucoflex104	274094/4	Apr.28,14	1 Year

10.2.Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user's manual or ±20ppm

10.3.Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer. EUT have transmitted absence of modulation signal and fixed channelise. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 106 ppm and the limit is less than ±20ppm The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
2. Extreme temperature rule is -30°C~50°C.

10.4.Test Result

Band 1(5150-5250MHz):

EUT:Dell Cast Adapter						
M/N:BEL01						
Power: DC 5V From PC Input AC 120V/60Hz						
Test date: 2014-05-27	Test site: RF Chamber		Tested by: Kevin_Hu			
Ambient Temperature: 22.4±1.0℃	Relative Humidity: 53.1±1.0%		Pressure:101.2±1.0 kpa			
Frequency stability VS Voltage (Temperature:20℃)						
Supply Voltage (V)	Test frequency (MHz)	Test result (MHz)	Max Deviation (MHz)	Max Deviation (ppm)	Limit (ppm)	Conclusion
102V	5180	5180.0165	0.0270	5.21	+/-20	PASS
120V	5180	5180.0210				
138V	5180	5180.0270				
102V	5200	5200.0175	0.0345	6.63	+/-20	
120V	5200	5200.0285				
138V	5200	5200.0345				
102V	5240	5240.0065	0.0185	3.53	+/-20	
120V	5240	5240.0140				
138V	5240	5240.0185				
Frequency stability VS Temperature (supply voltage AC 120V/60Hz)						
Temperature (℃)	Test frequency (MHz)	Test result (MHz)	Max Deviation (MHz)	Max Deviation (ppm)	Limit (ppm)	Conclusion
-30℃	5180	5180.0185	0.0230	4.44	+/-20	PASS
-20℃	5180	5180.0185				
-10℃	5180	5180.0190				
0℃	5180	5180.0195				
10℃	5180	5180.0205				
20℃	5180	5180.0210				
30℃	5180	5180.0215				
40℃	5180	5180.0220				
50℃	5180	5180.0230				

Frequency stability VS Temperature (supply voltage AC 120V/60Hz)						
Temperature (℃)	Test frequency (MHz)	Test result (MHz)	Max Deviation (MHz)	Max Deviation (ppm)	Limit (ppm)	Conclusion
-30℃	5200	5200.0270	0.0300	5.77	+/-20	PASS
-20℃	5200	5200.0270				
-10℃	5200	5200.0275				
0℃	5200	5200.0280				
10℃	5200	5200.0280				
20℃	5200	5200.0285				
30℃	5200	5200.0285				
40℃	5200	5200.0295				
50℃	5200	5200.0300				
Frequency stability VS Temperature (supply voltage AC 120V/60Hz)						
Temperature (℃)	Test frequency (MHz)	Test result (MHz)	Max Deviation (MHz)	Max Deviation (ppm)	Limit (ppm)	Conclusion
-30℃	5240	5240.0120	0.0160	3.05	+/-20	PASS
-20℃	5240	5240.0125				
-10℃	5240	5240.0130				
0℃	5240	5240.0135				
10℃	5240	5240.0135				
20℃	5240	5240.0140				
30℃	5240	5240.0145				
40℃	5240	5240.0150				
50℃	5240	5240.0160				

11.MPE ESTIMATION

11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

11.2. Estimation Result

Band 1(5150-5250MHz):

EUT: Dell Cast Adapter		
M/N:BEL01		
Test date: 2014-05-23	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2.04dBi	
Test Mode	CH	Frequency（MHz）	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH36	5180	13. 09	20.37	2.04	1.60	0.0065
	CH40	5200	12. 75	18.84	2.04	1.60	0.0060
	CH48	5240	13. 33	21.53	2.04	1.60	0.0069
11n HT20	CH36	5180	12. 77	18.92	2.04	1.60	0.0060
	CH40	5200	12. 39	17.34	2.04	1.60	0.0055
	CH48	5240	11. 72	14.86	2.04	1.60	0.0047
11n HT40	CH38	5190	11. 50	14.13	2.04	1.60	0.0045
	CH46	5230	12. 01	15.89	2.04	1.60	0.0051
11ac VHT20	CH36	5180	12. 72	18.71	2.04	1.60	0.0060
	CH40	5200	12. 21	16.63	2.04	1.60	0.0053
	CH48	5240	11. 52	14.19	2.04	1.60	0.0045
11ac VHT40	CH38	5190	10. 77	11.94	2.04	1.60	0.0038
	CH46	5230	10. 37	10.89	2.04	1.60	0.0035
11n VHT80	CH42	5210	10. 93	12.39	2.04	1.60	0.0039

$$MPE=\frac{PG}{4\pi R^2} \quad (R=20cm)$$

12. NTENNA REQUIREMENT

12.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are IFA antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 2.52dBi.

13.DEVIATION TO TEST SPECIFICATIONS

[NONE]