

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Shenyang Tongfang Multimedia Co., Limited

LED TV

Model Number: WD65NC4190

Additional Model: E4SFC651

FCC ID: 2ACWIWD65NC419

Prepared for : Shenyang Tongfang Multimedia Co., Limited
No. 10 Nanping East Road HunNan New District Shenyang,
LiaoNing Province P.R. China

Prepared By : EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City,
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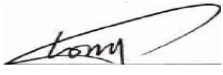

Report Number: ESTE-R1506037
Date of Test : June 29~ July 06, 2015
Date of Report : July 07, 2015

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Test Report Verification

Applicant:	Shenyang Tongfang Multimedia Co., Limited		
Address:	No. 10 Nanping East Road HunNan New District Shenyang,LiaoNing Province P.R. China		
Manufacturer	Shenyang Tongfang Multimedia Co., Limited		
Address:	No. 10 Nanping East Road HunNan New District Shenyang,LiaoNing Province P.R. China		
Factory 1	Shenyang Tongfang Multimedia Co., Limited		
Address:	No. 10 Nanping East Road HunNan New District Shenyang,LiaoNing Province P.R. China		
Factory 2	Element TV company Lp		
Address:	392 US Highway 321 Bypass North WINNSBORO SC 29180		
E.U.T:	LED TV		
Model Number:	WD65NC4190		
Additional Model:	E4SFC651 Just Model different, the PCB boards inside are identical.		
Power Supply:	AC 100~240V;50/60Hz		
Test Voltage:	AC 120V/60Hz		
Trade Name:	Westinghouse Element	Serial No.:	-----
Date of Receipt:	June 29 2015	Date of Test:	June 29~ July 06,2015
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2014 ANSI C63.10:2013		
Test Result:	<p>The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: July 07, 2015</p>		
Prepared by:	Tested by:	Approved by:	
			
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu / Manager	
Other Aspects:	None.		
<i>Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested</i>			
<i>This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.</i>			



1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	LED TV
Model Number	:	WD65NC4190
Additional Model:		E4SFC651
Modulation	:	IEEE 802.11b mode: DSSS(CCK,QPSK, BPSK) IEEE 802.11g mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT20 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM) IEEE 802.11n HT40 MHz mode: OFDM (BPSK/QPSK/16QAM/64QAM)
Operation Frequency	:	IEEE 802.11b/g: 2412 ~ 2472 MHz IEEE 802.11n HT20 : 2412 ~ 2472 MHz IEEE 802.11n HT40 : 2422 ~ 2462 MHz
Number of channel	:	IEEE 802.11b: 13 Channels IEEE 802.11g: 13 Channels IEEE 802.11n HT20: 13 Channels IEEE 802.11n HT40: 9 Channels
Antenna a and Gain	:	PCB Antenna with 2dBi gain (Max)
Antenna b and Gain	:	PCB Antenna with 2dBi gain (Max)

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10:2013	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10:2013 KDB 558074	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10:2013 KDB 558074	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
Note: 558074 D01 DTS Meas Guidance v03r02		

2.2. Test Facilities

EMC Lab : Certified by CNAL, CHINA
Registration No.: L5288
Date of registration: November 13, 2014

Certificated by FCC, USA
Registration No.: 989591
Date of registration: November 20, 2013

Certificated by Industry Canada
Registration No.: 9405A-1
Date of registration: January 03, 2013

Certificated by VCCI, Japan
Registration No.: R-3663 & C-4103
Date of registration: July 25, 2011

Certificated by TUV Rheinland, Germany
Registration No.: UA 50195514 0001
Date of registration: January 07, 2011

Certificated by TUV/PS, Shenzhen
Registration No.: SCN1017
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO
Registration No.: 2011-RTL-L1-18
Date of registration: April 28, 2011

Certificated by Siemic, Inc.
Registration No.: SLCN021
Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong
Registration No.: 175193
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

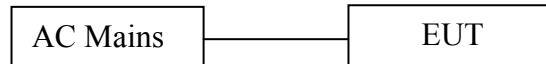
Site Location : San Tun Management Zone, Houjie Town, Dongguan,
Guangdong, China

2.3. Assistant equipment used for test

2.3.1. N/A

2.4. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was set into Wifi test mode by software before test.



(EUT: LED TV)

2.5. Test mode

A special test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Test mode	Lower channel	Center channel	Upper channel
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20 Transmitting	2412MHz	2442MHz	2472MHz
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20 Receiving	2412MHz	2442MHz	2472MHz
IEEE 802.11n HT40 Transmitting	2422MHz	2442MHz	2462MHz
IEEE 802.11n HT40 Receiving	2422MHz	2442MHz	2462MHz

2.6. Channel List for wifi

IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442	12	2467
3	2422	8	2447	13	2472
4	2427	9	2452		
5	2432	10	2457		
IEEE 802.11n HT40					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2422	4	2437	7	2452
2	2427	5	2442	8	2457
3	2432	6	2447	9	2462

2.7. Test Equipment

2.7.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June,28,15	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	June,28,15	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June,28,15	1 Year

2.7.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4411B	MY5014069 7	June,28,15	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June,28,15	1 Year
Signal Amplifier	Agilent	310N	187037	June,28,15	1 Year

2.7.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	BBHA9120D1 002	June,28,15	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June,28,15	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June,28,15	1 Year

3 POWER LINE CONDUCTED EMISSION TEST

3.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
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.

3.3 Test Procedure

The EUT was placed on a non-metallic table, 10cm 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: 2013 on Conducted Emission Test.

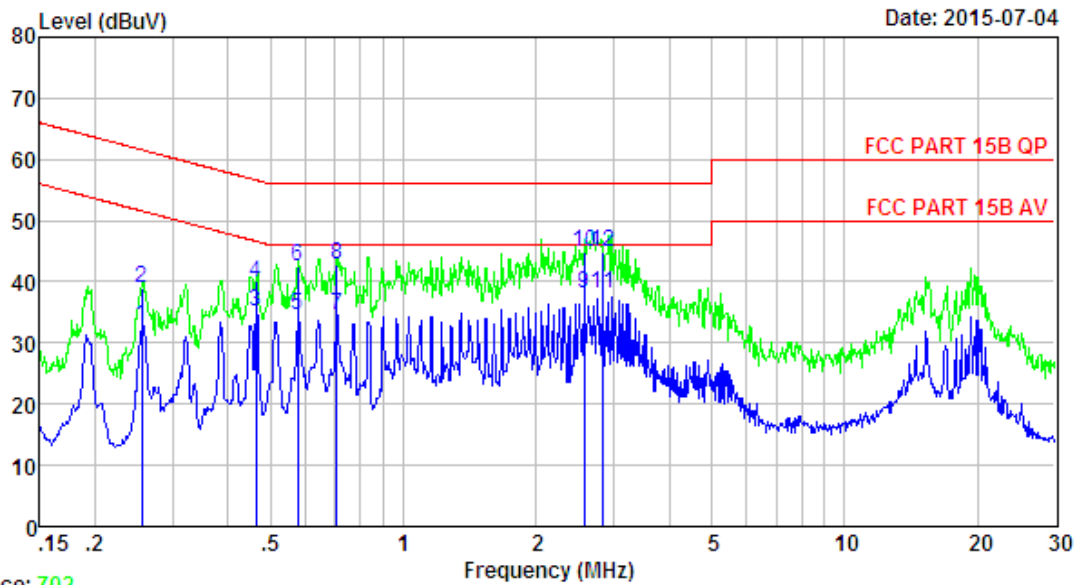
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

3.4. Test Result

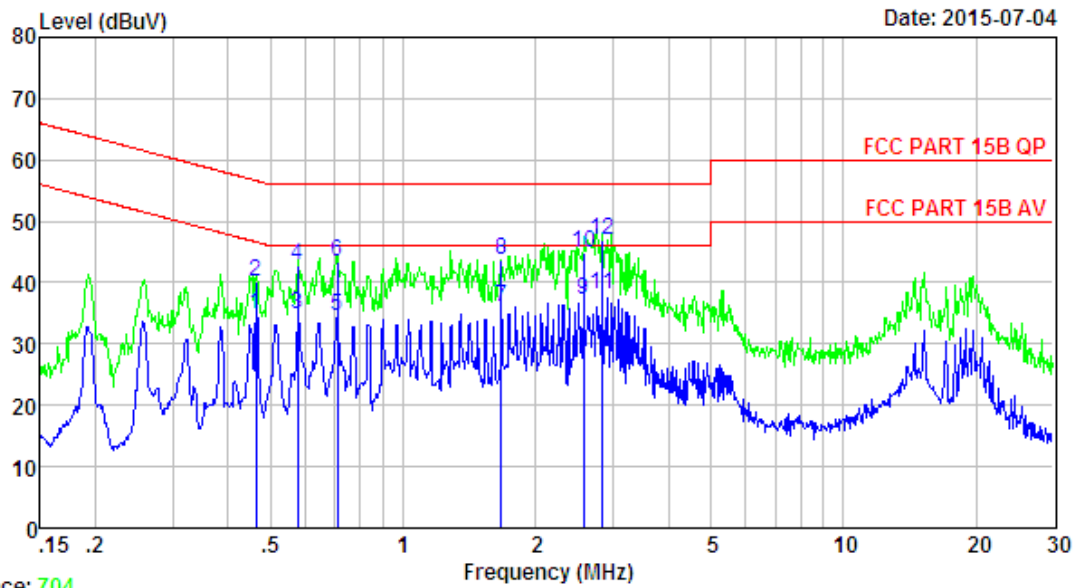
PASS. (All emissions not reported below are too low against the prescribed limits.)

3.5. Test data



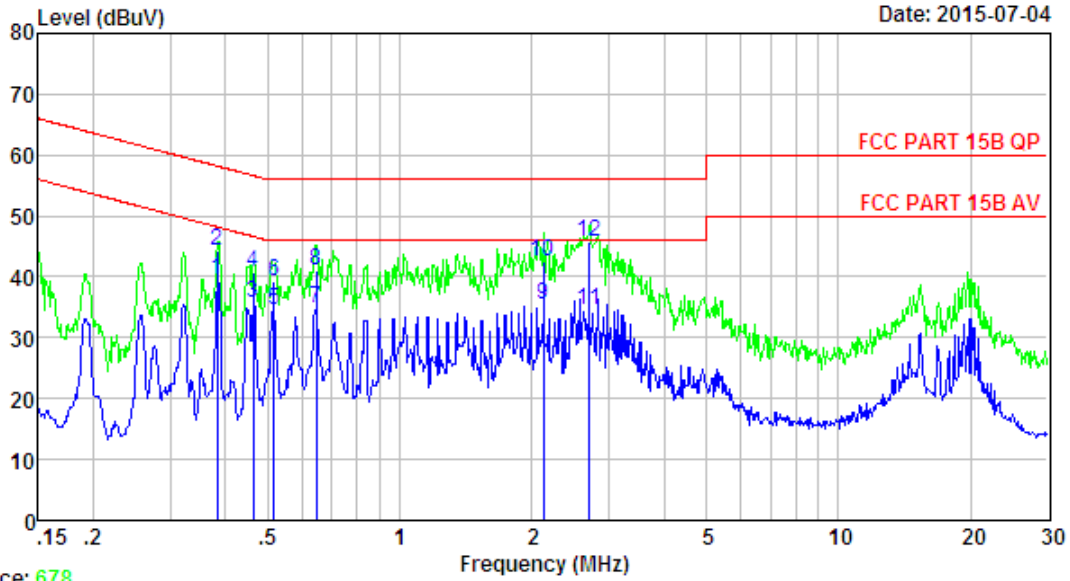
Trace: 702
 Site no : 844 Shield Room Data no. : 703
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Bible
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : TX Mode

	Freq. (MHz)	Lisn Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.255	9.60	9.82	13.36	32.78	51.60	18.82	Average
2	0.255	9.60	9.82	19.58	39.00	61.60	22.60	QP
3	0.464	9.59	9.81	15.71	35.11	46.63	11.52	Average
4	0.464	9.59	9.81	20.60	40.00	56.63	16.63	QP
5	0.576	9.61	9.82	15.15	34.58	46.00	11.42	Average
6	0.576	9.61	9.82	23.07	42.50	56.00	13.50	QP
7	0.705	9.63	9.81	15.09	34.53	46.00	11.47	Average
8	0.705	9.63	9.81	23.26	42.70	56.00	13.30	QP
9	2.567	9.63	9.84	18.62	38.09	46.00	7.91	Average
10	2.567	9.63	9.84	25.43	44.90	56.00	11.10	QP
11	2.824	9.63	9.83	18.57	38.03	46.00	7.97	Average
12	2.824	9.63	9.83	25.54	45.00	56.00	11.00	QP



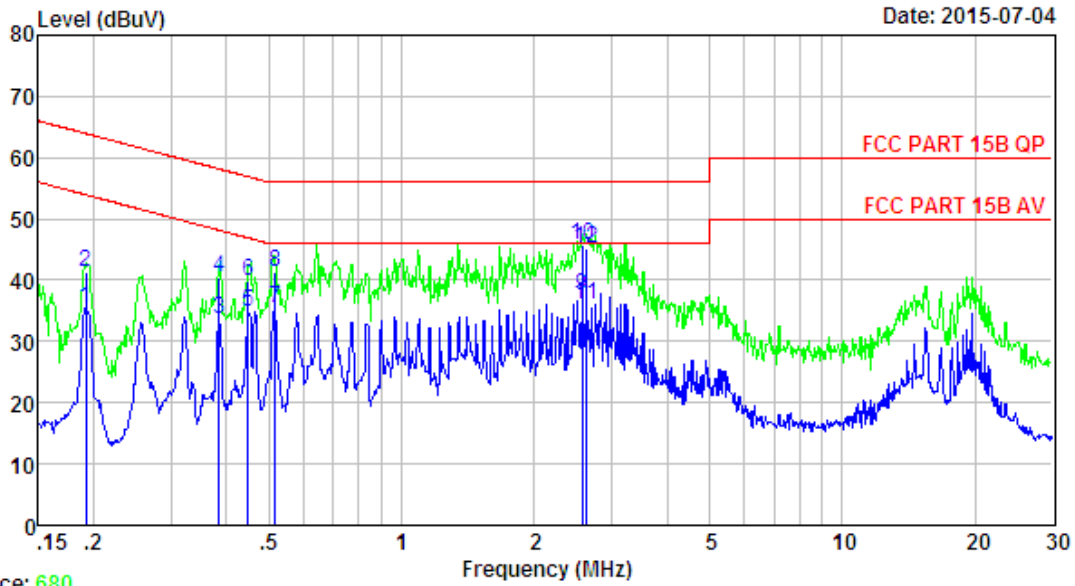
Trace: 704
 Site no : 844 Shield Room Data no. : 705
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Bible
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : TX Mode

	Freq. (MHz)	Lisn Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.464	9.61	9.81	15.34	34.76	46.63	11.87	Average
2	0.464	9.61	9.81	20.68	40.10	56.63	16.53	QP
3	0.576	9.60	9.82	15.40	34.82	46.00	11.18	Average
4	0.576	9.60	9.82	23.38	42.80	56.00	13.20	QP
5	0.708	9.59	9.81	15.08	34.48	46.00	11.52	Average
6	0.708	9.59	9.81	24.10	43.50	56.00	12.50	QP
7	1.671	9.62	9.83	16.50	35.95	46.00	10.05	Average
8	1.671	9.62	9.83	24.15	43.60	56.00	12.40	QP
9	2.567	9.62	9.84	17.76	37.22	46.00	8.78	Average
10	2.567	9.62	9.84	25.34	44.80	56.00	11.20	QP
11	2.824	9.63	9.83	18.56	38.02	46.00	7.98	Average
12	2.824	9.63	9.83	27.44	46.90	56.00	9.10	QP



Trace: 678
 Site no : 844 Shield Room Data no. : 707
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Bible
 EUT : LED TV
 Power : AC 240V/60Hz
 M/N : WD65NC4190
 Test Mode : TX Mode

	Freq. (MHz)	Lisn Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.383	9.61	9.82	19.98	39.41	48.21	8.80	Average
2	0.383	9.61	9.82	24.98	44.41	58.21	13.80	QP
3	0.464	9.61	9.81	16.20	35.62	46.63	11.01	Average
4	0.464	9.61	9.81	21.20	40.62	56.63	16.01	QP
5	0.516	9.61	9.81	14.98	34.40	46.00	11.60	Average
6	0.516	9.61	9.81	19.98	39.40	56.00	16.60	QP
7	0.644	9.60	9.81	15.53	34.94	46.00	11.06	Average
8	0.644	9.60	9.81	21.53	40.94	56.00	15.06	QP
9	2.121	9.61	9.84	16.11	35.56	46.00	10.44	Average
10	2.121	9.61	9.84	23.11	42.56	56.00	13.44	QP
11	2.692	9.62	9.84	15.22	34.68	46.00	11.32	Average
12	2.692	9.62	9.84	26.22	45.68	56.00	10.32	QP



Trace: 680
 Site no : 844 Shield Room Data no. : 709
 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Bible
 EUT : LED TV
 Power : AC 240V/60Hz
 M/N : WD65NC4190
 Test Mode : TX Mode

	Freq. (MHz)	Lisn Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.192	9.58	9.80	16.06	35.44	53.93	18.49	Average
2	0.192	9.58	9.80	22.06	41.44	63.93	22.49	QP
3	0.385	9.59	9.82	14.10	33.51	48.17	14.66	Average
4	0.385	9.59	9.82	21.10	40.51	58.17	17.66	QP
5	0.449	9.59	9.81	15.51	34.91	46.89	11.98	Average
6	0.449	9.59	9.81	20.51	39.91	56.89	16.98	QP
7	0.516	9.59	9.81	16.04	35.44	46.00	10.56	Average
8	0.516	9.59	9.81	22.04	41.44	56.00	14.56	QP
9	2.567	9.63	9.84	18.15	37.62	46.00	8.38	Average
10	2.567	9.63	9.84	26.15	45.62	56.00	10.38	QP
11	2.636	9.63	9.84	16.62	36.09	46.00	9.91	Average
12	2.636	9.63	9.84	25.62	45.09	56.00	10.91	QP

4 RADIATED EMISSION TEST

4.1 Limit

4.1.1 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.

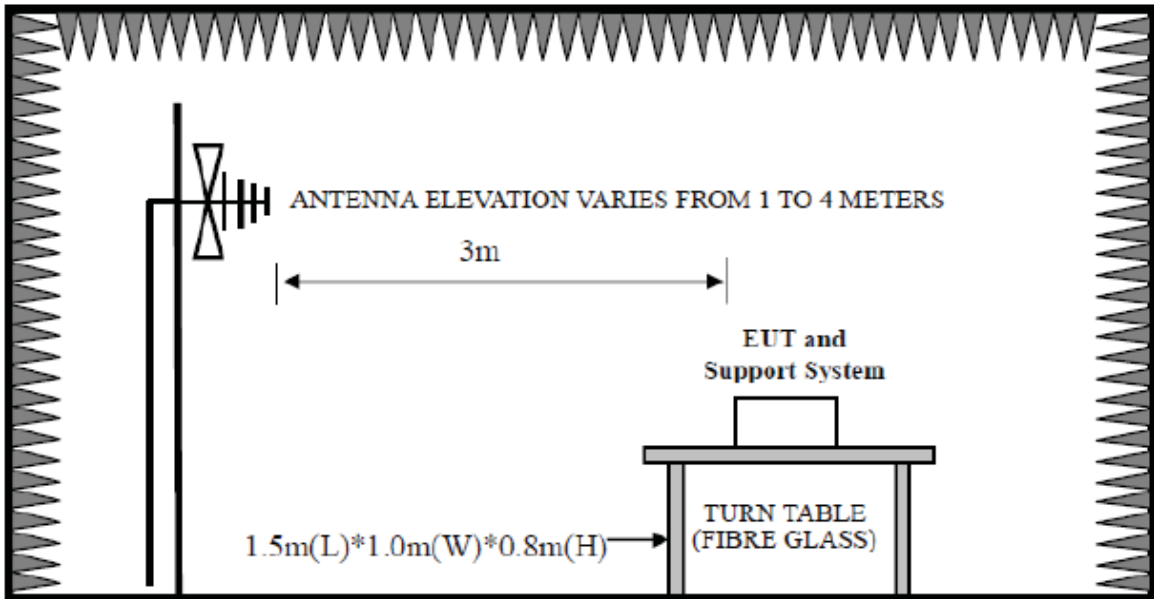
4.1.2 15.205 Restricted bands of operation

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

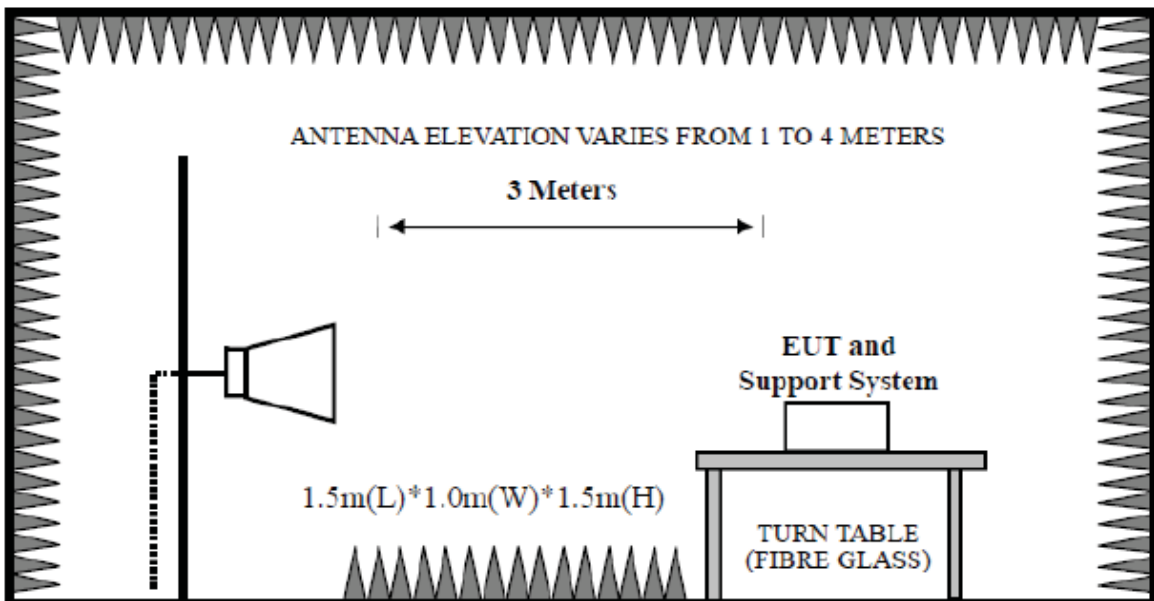
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.2. Block Diagram of Test setup

30~1000MHz



Above 1GHz



4.3. Test Procedure

EUT and its simulators are placed on a turn table, which is 1.5 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement,
PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

4.4. Test Result

PASS.

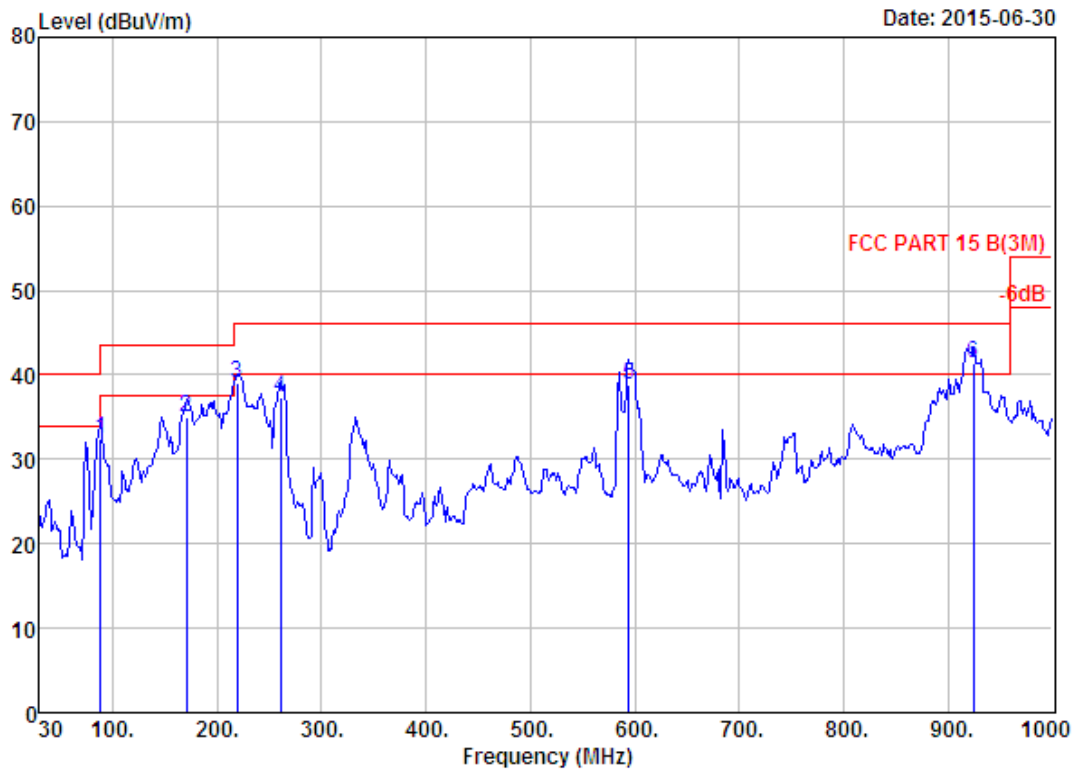
All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

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

2、 The frequency 2412MHz 、 2422MHz、 2442MHz、 2462MHz and 2472 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

4.5. Test Data

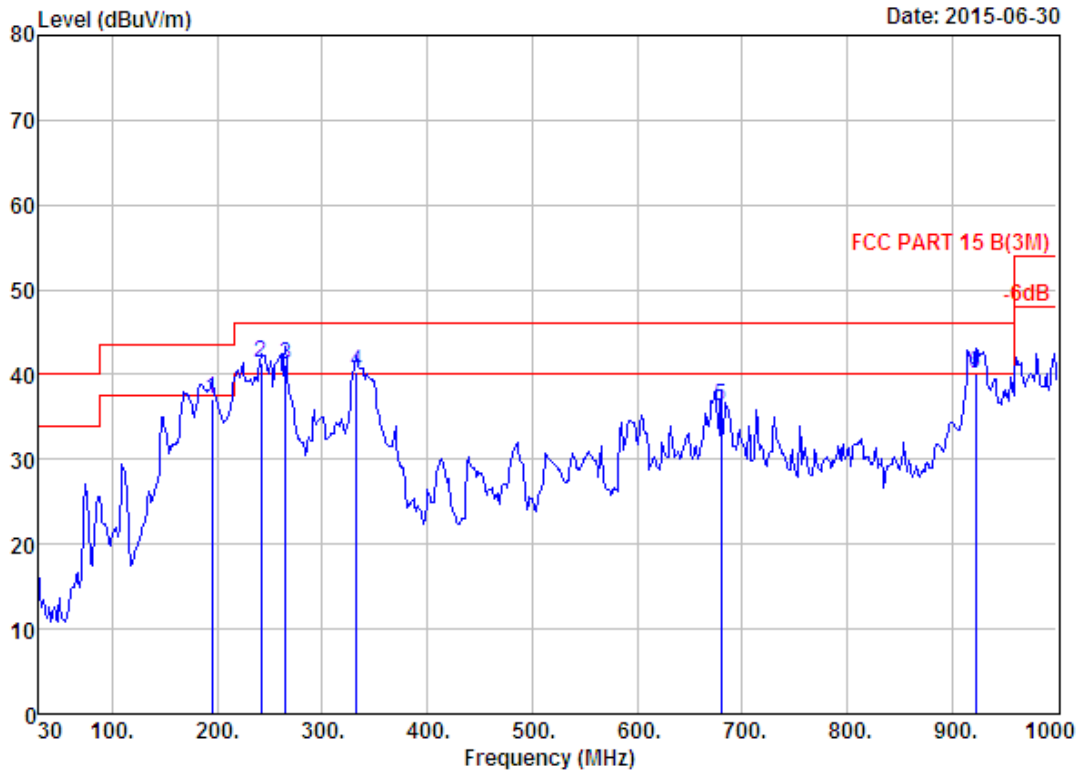
30-1000 MHz



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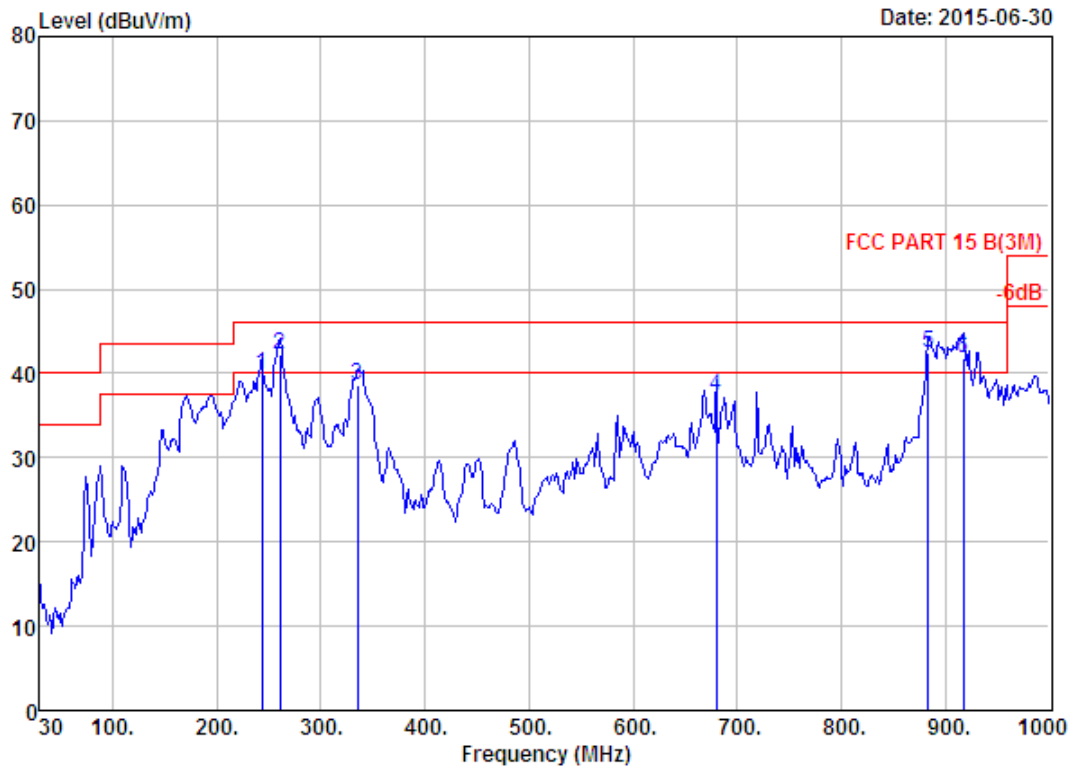
Site no.       : 966 1# chamber           Data no.  : 421
Dis. / Ant.   : 3m 27137                 Ant. pol. : VERTICAL
Limit         : FCC PART 15 B(3M)
Env. / Ins.   : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : LED TV
Power         : AC 120V/60Hz
M/N          : WD65NC4190
Test Mode     : IEEE 802.11b CH1 2412TX
                Antenna a
    
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.20	8.11	1.31	22.99	32.41	43.50	11.09	QP
2	170.65	9.16	1.69	24.24	35.09	43.50	8.41	QP
3	219.15	9.10	1.94	28.11	39.15	46.00	6.85	QP
4	260.86	12.96	2.22	22.05	37.23	46.00	8.77	QP
5	594.54	19.51	3.33	15.98	38.82	46.00	7.18	QP
6	924.34	24.13	4.50	12.73	41.36	46.00	4.64	QP



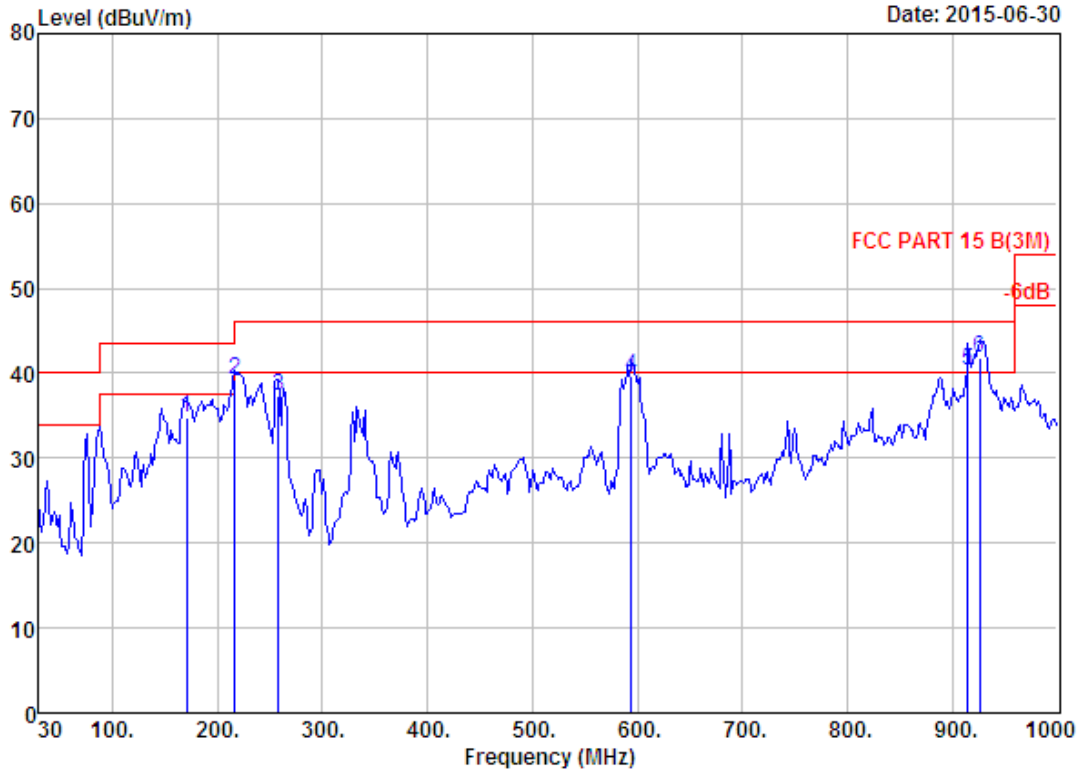
Site no. : 966 1# chamber Data no. : 422
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	194.90	7.72	1.78	27.72	37.22	43.50	6.28	QP
2	241.46	10.50	2.14	28.78	41.42	46.00	4.58	QP
3	264.74	12.94	2.28	26.01	41.23	46.00	4.77	QP
4	332.64	13.93	2.48	23.82	40.23	46.00	5.77	QP
5	679.90	20.29	3.66	12.22	36.17	46.00	9.83	QP
6	922.40	24.04	4.44	11.57	40.05	46.00	5.95	QP



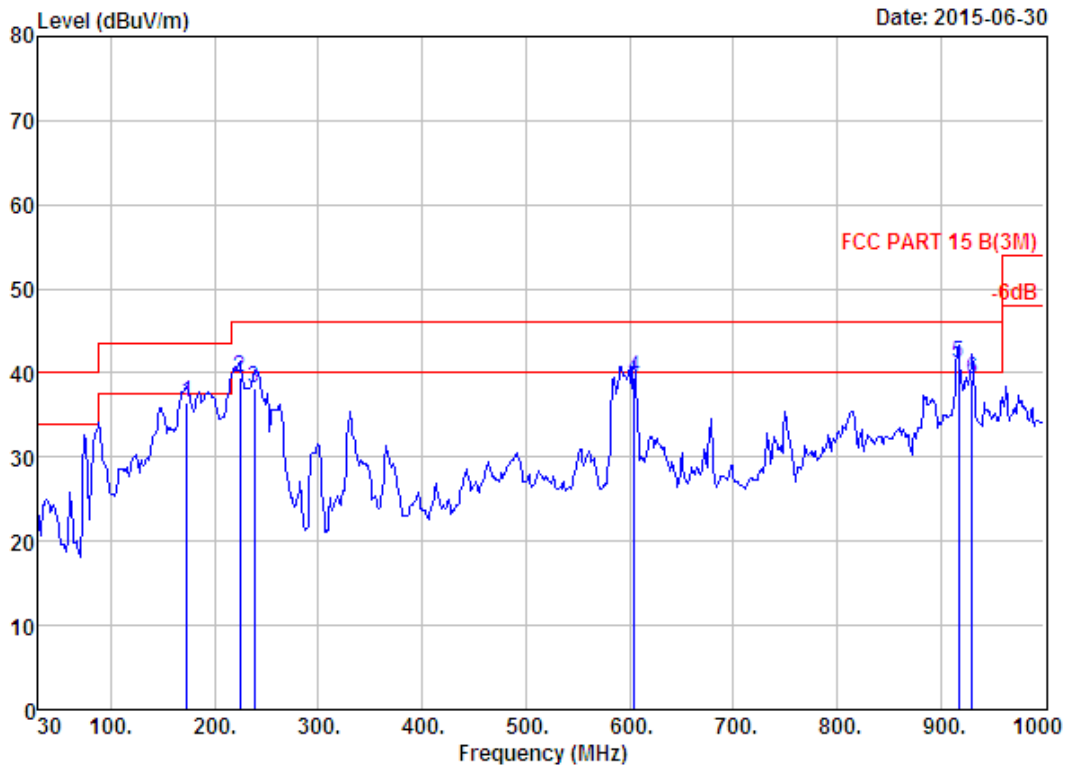
Site no. : 966 1# chamber Data no. : 423
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	243.40	10.78	2.14	26.96	39.88	46.00	6.12	QP
2	260.86	12.96	2.22	27.02	42.20	46.00	3.80	QP
3	335.55	14.02	2.50	22.05	38.57	46.00	7.43	QP
4	679.90	20.29	3.66	13.37	37.32	46.00	8.68	QP
5	883.60	22.72	3.99	15.77	42.48	46.00	3.52	QP
6	917.55	23.84	4.38	13.51	41.73	46.00	4.27	QP



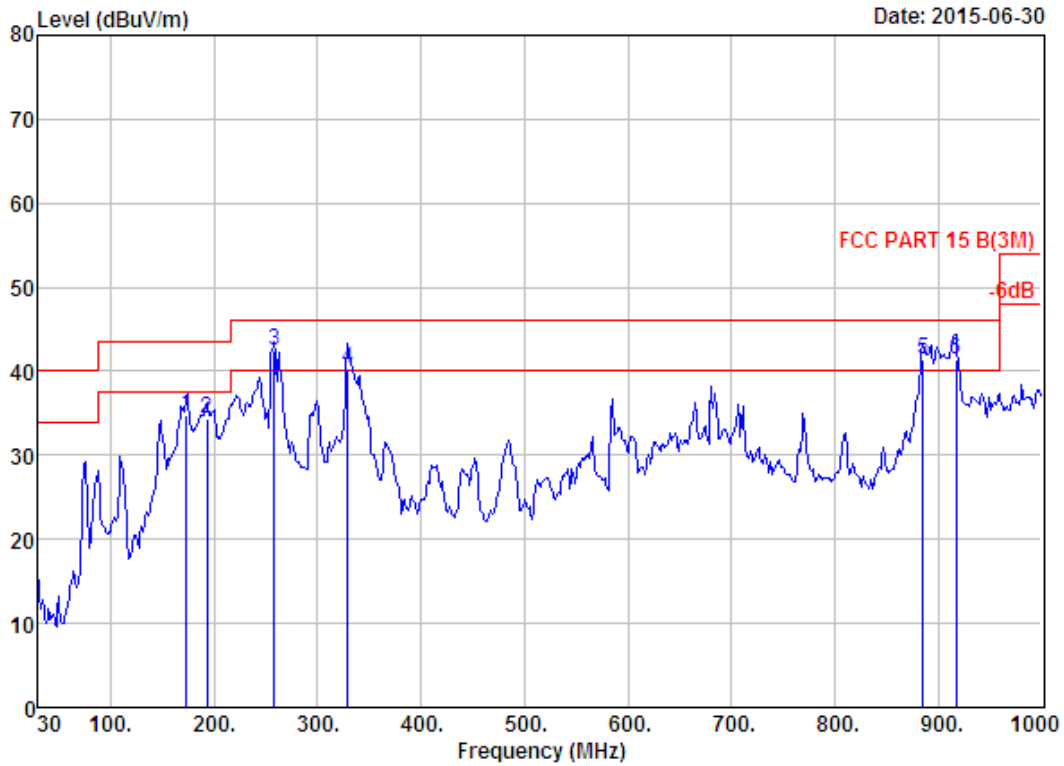
Site no. : 966 1# chamber Data no. : 424
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	24.00	34.85	43.50	8.65	QP
2	216.24	8.80	1.95	28.47	39.22	46.00	6.78	QP
3	257.95	12.75	2.19	22.35	37.29	46.00	8.71	QP
4	594.54	19.51	3.33	16.85	39.69	46.00	6.31	QP
5	914.64	23.73	4.40	12.29	40.42	46.00	5.58	QP
6	926.28	24.23	4.51	13.16	41.90	46.00	4.10	QP



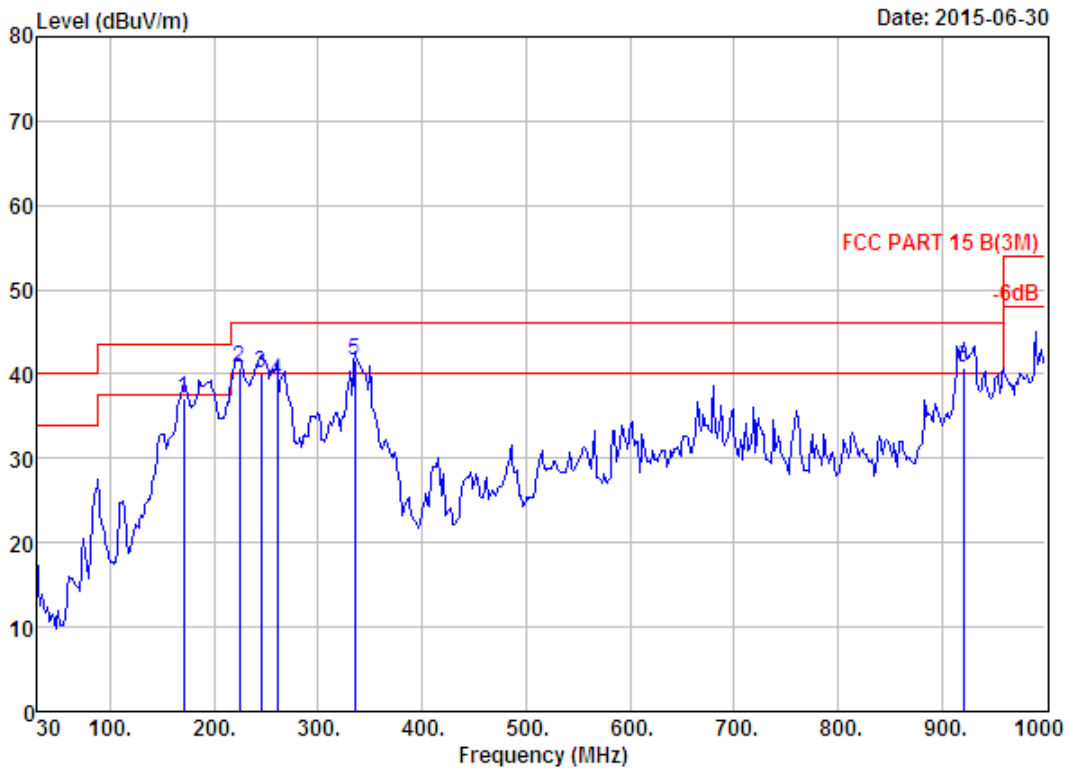
Site no. : 966 1# chamber Data no. : 425
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	173.56	9.03	1.68	25.71	36.42	43.50	7.08	QP
2	224.00	9.42	2.01	27.97	39.40	46.00	6.60	QP
3	238.55	10.11	2.10	26.05	38.26	46.00	7.74	QP
4	604.24	19.71	3.41	16.25	39.37	46.00	6.63	QP
5	917.55	23.84	4.38	13.01	41.23	46.00	4.77	QP
6	930.16	24.41	4.50	10.32	39.23	46.00	6.77	QP



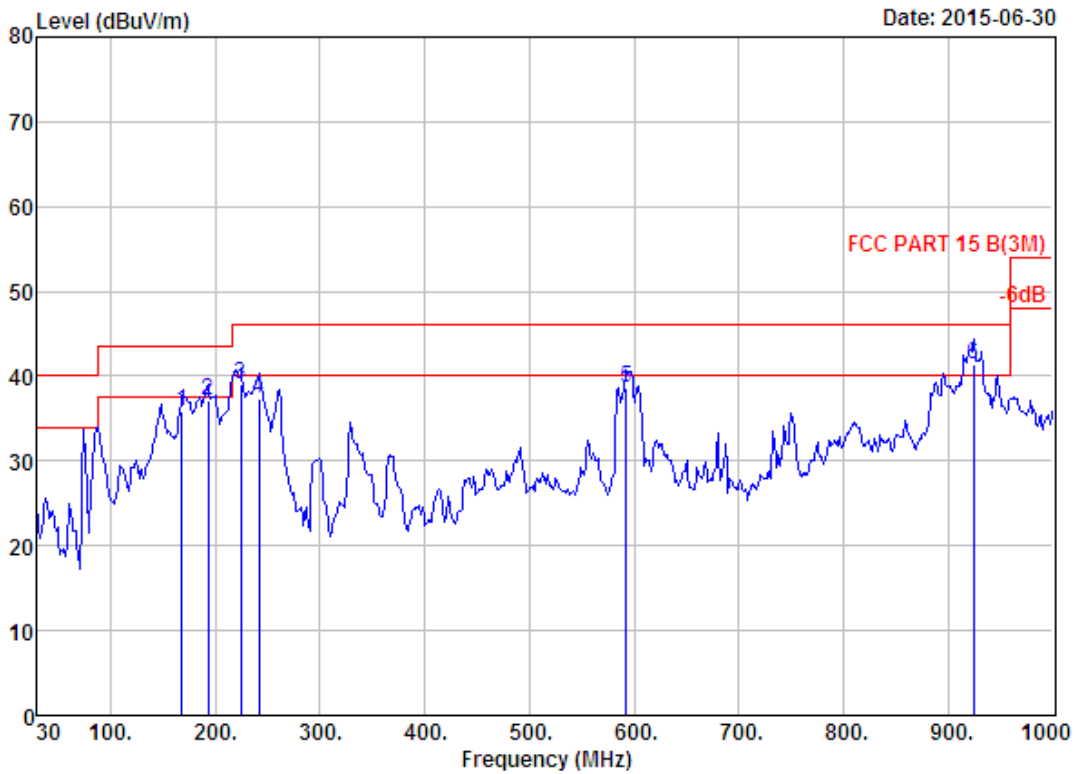
Site no. : 966 1# chamber Data no. : 426
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	173.56	9.03	1.68	24.11	34.82	43.50	8.68	QP
2	192.96	7.85	1.77	24.64	34.26	43.50	9.24	QP
3	257.95	12.75	2.19	27.51	42.45	46.00	3.55	QP
4	328.76	13.82	2.44	23.97	40.23	46.00	5.77	QP
5	885.54	22.76	3.78	14.78	41.32	46.00	4.68	QP
6	917.55	23.84	4.38	13.24	41.46	46.00	4.54	QP



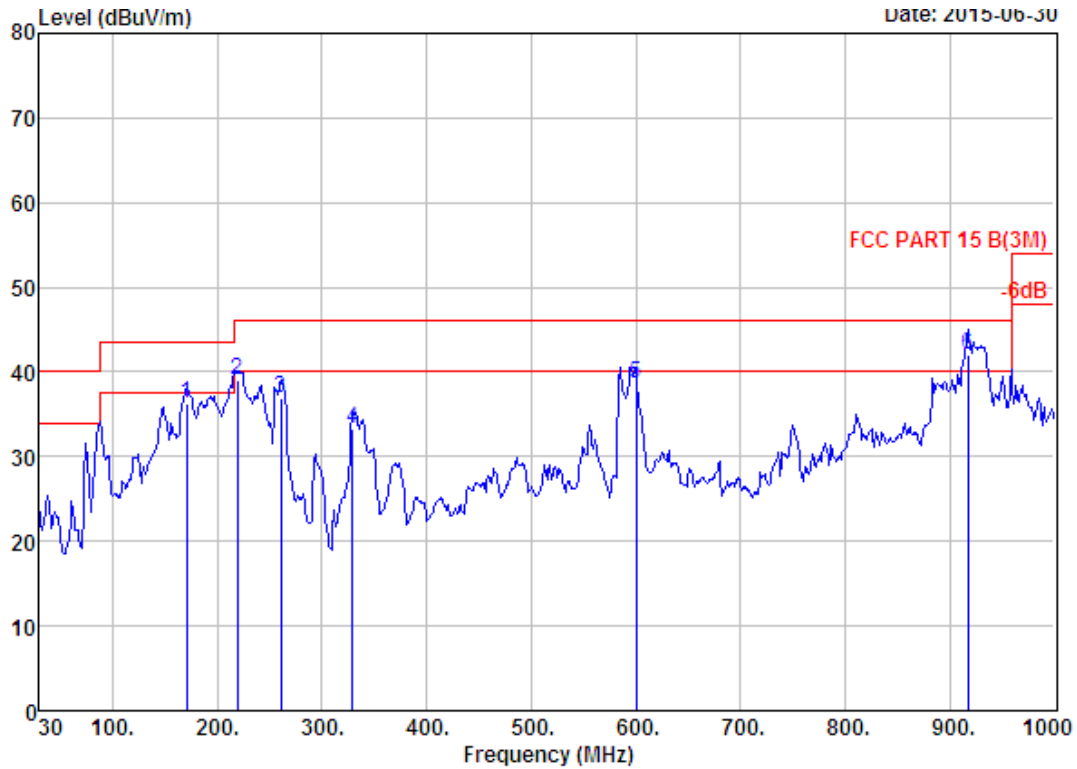
Site no. : 966 1# chamber Data no. : 427
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	26.20	37.05	43.50	6.45	QP
2	224.00	9.42	2.01	29.39	40.82	46.00	5.18	QP
3	245.34	11.06	2.10	27.05	40.21	46.00	5.79	QP
4	260.86	12.96	2.22	24.11	39.29	46.00	6.71	QP
5	335.55	14.02	2.50	25.17	41.69	46.00	4.31	QP
6	920.46	23.95	4.42	12.32	40.69	46.00	5.31	QP



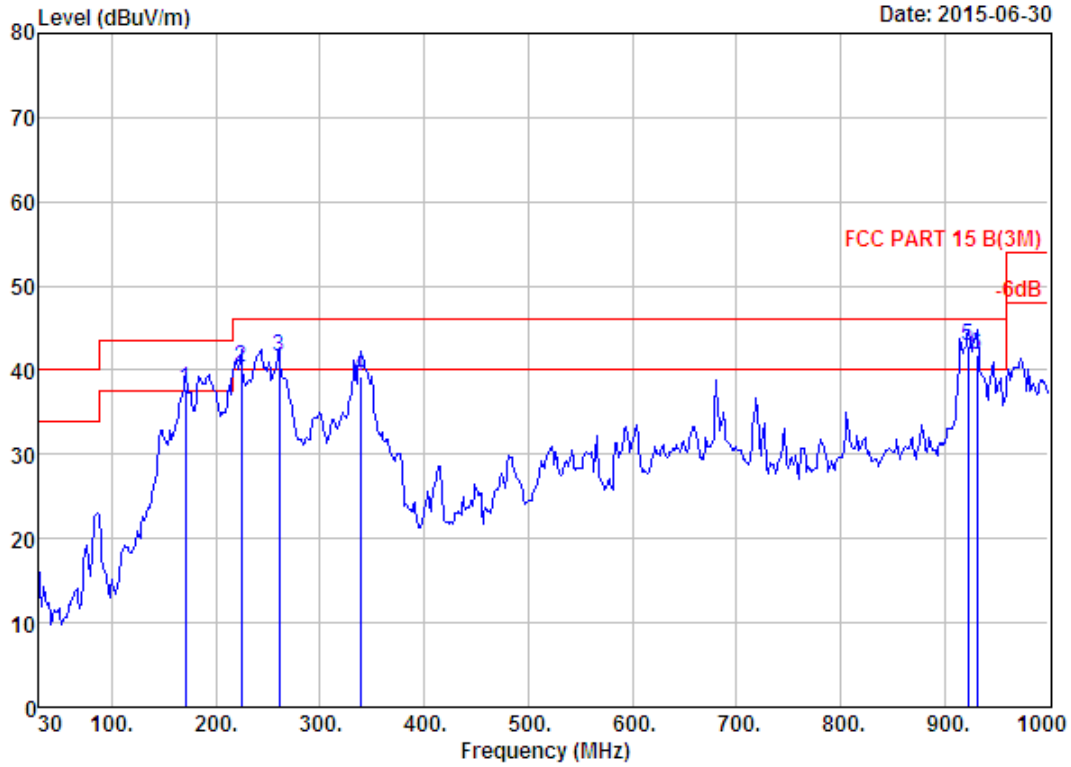
Site no. : 966 1# chamber Data no. : 428
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	24.72	35.86	43.50	7.64	QP
2	192.96	7.85	1.77	27.40	37.02	43.50	6.48	QP
3	224.00	9.42	2.01	27.50	38.93	46.00	7.07	QP
4	241.46	10.50	2.14	24.60	37.24	46.00	8.76	QP
5	592.60	19.48	3.36	15.83	38.67	46.00	7.33	QP
6	924.34	24.13	4.50	12.70	41.33	46.00	4.67	QP



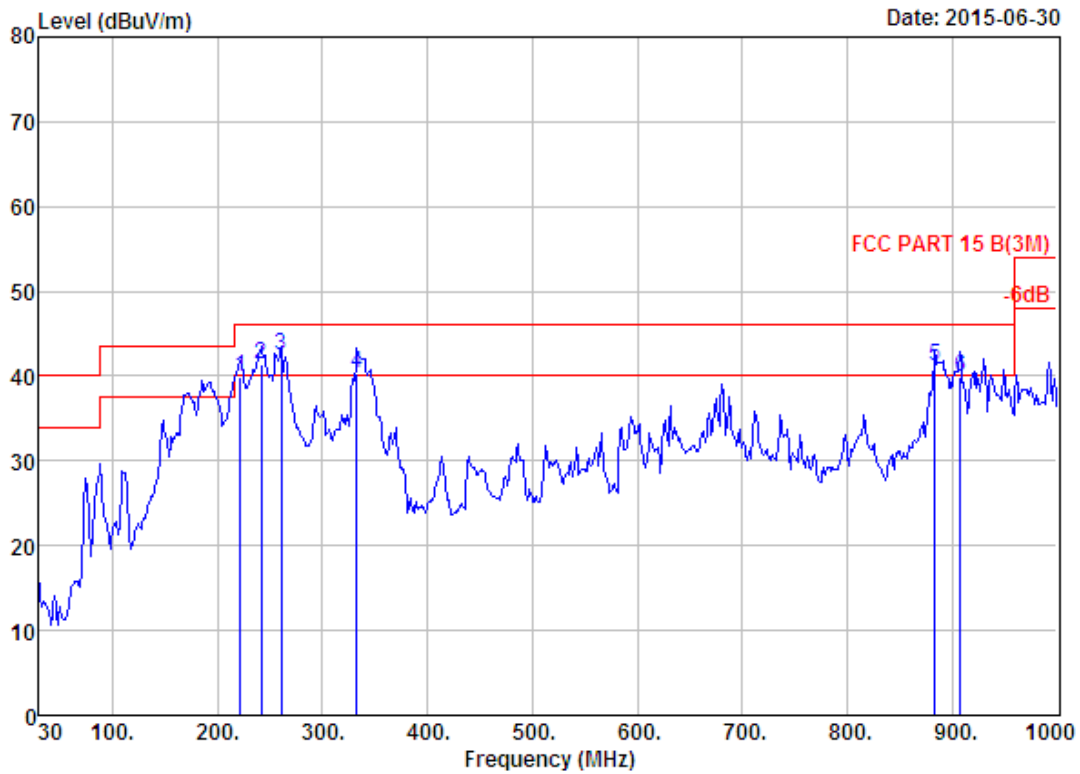
Site no. : 966 1# chamber Data no. : 429
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	25.37	36.22	43.50	7.28	QP
2	219.15	9.10	1.94	28.09	39.13	46.00	6.87	QP
3	260.86	12.96	2.22	21.83	37.01	46.00	8.99	QP
4	328.76	13.82	2.44	17.06	33.32	46.00	12.68	QP
5	600.36	19.60	3.44	15.59	38.63	46.00	7.37	QP
6	917.55	23.84	4.38	13.71	41.93	46.00	4.07	QP



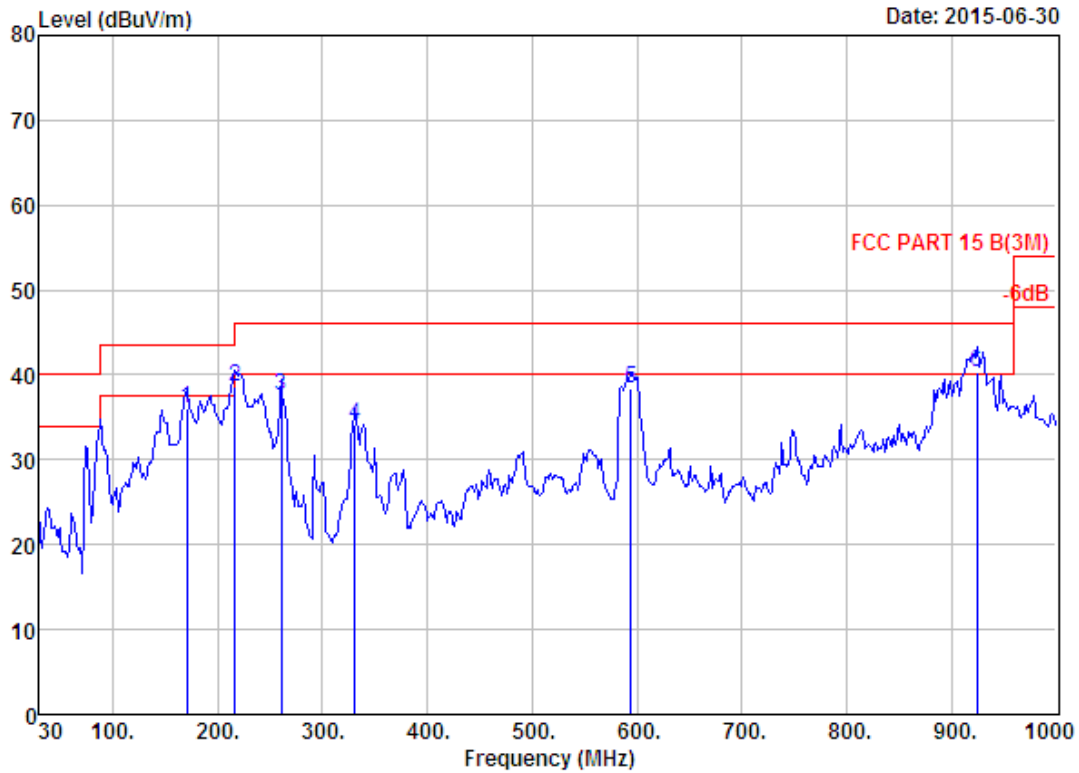
Site no. : 966 1# chamber Data no. : 430
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	26.92	37.77	43.50	5.73	QP
2	224.00	9.42	2.01	28.98	40.41	46.00	5.59	QP
3	260.86	12.96	2.22	26.49	41.67	46.00	4.33	QP
4	338.46	14.10	2.50	22.56	39.16	46.00	6.84	QP
5	922.40	24.04	4.44	14.32	42.80	46.00	3.20	QP
6	931.13	24.44	4.52	12.93	41.89	46.00	4.11	QP



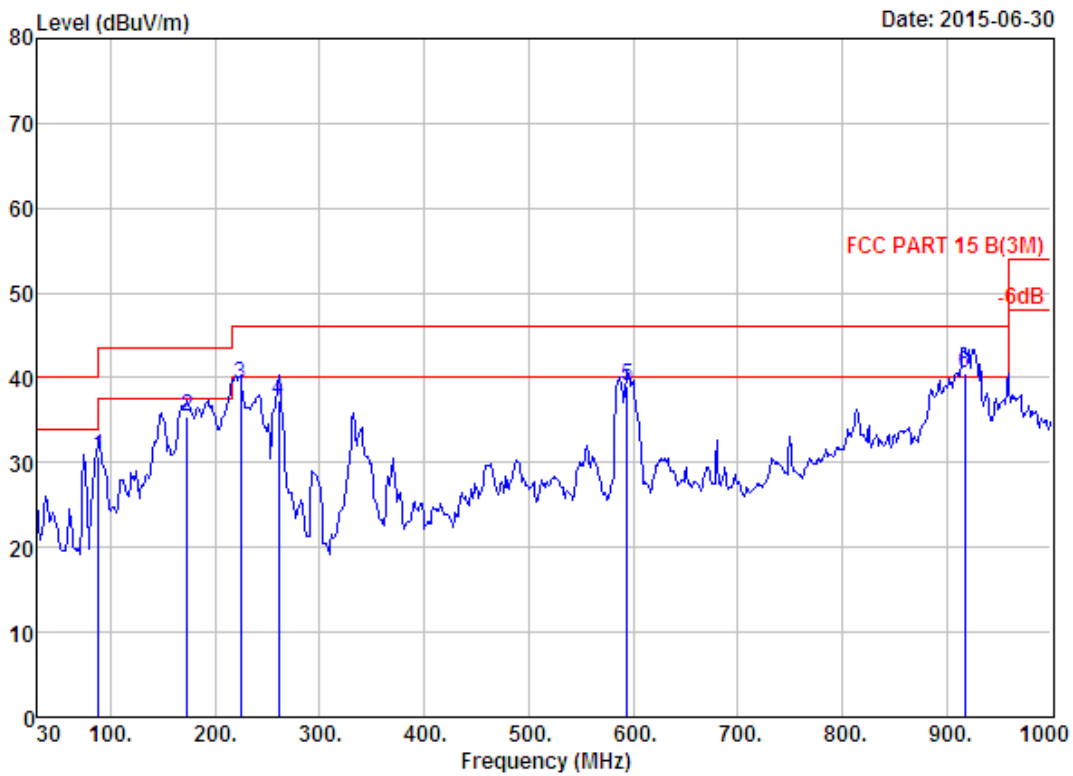
Site no. : 966 1# chamber Data no. : 431
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	222.06	9.31	2.01	28.51	39.83	46.00	6.17	QP
2	241.46	10.50	2.14	28.81	41.45	46.00	4.55	QP
3	260.86	12.96	2.22	27.35	42.53	46.00	3.47	QP
4	332.64	13.93	2.48	23.84	40.25	46.00	5.75	QP
5	883.60	22.72	3.99	14.47	41.18	46.00	4.82	QP
6	907.85	23.48	4.08	12.33	39.89	46.00	6.11	QP



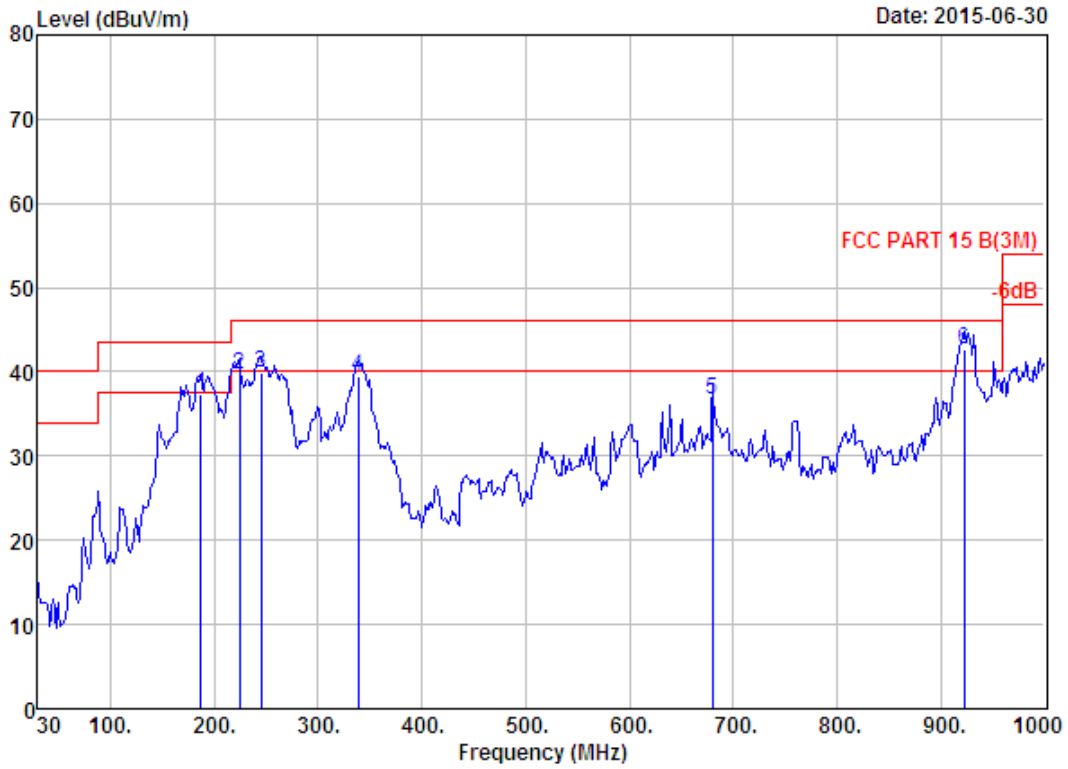
Site no. : 966 1# chamber Data no. : 432
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	25.24	36.09	43.50	7.41	QP
2	216.24	8.80	1.95	27.86	38.61	46.00	7.39	QP
3	260.86	12.96	2.22	22.31	37.49	46.00	8.51	QP
4	330.70	13.88	2.44	17.76	34.08	46.00	11.92	QP
5	594.54	19.51	3.33	15.49	38.33	46.00	7.67	QP
6	924.34	24.13	4.50	11.67	40.30	46.00	5.70	QP



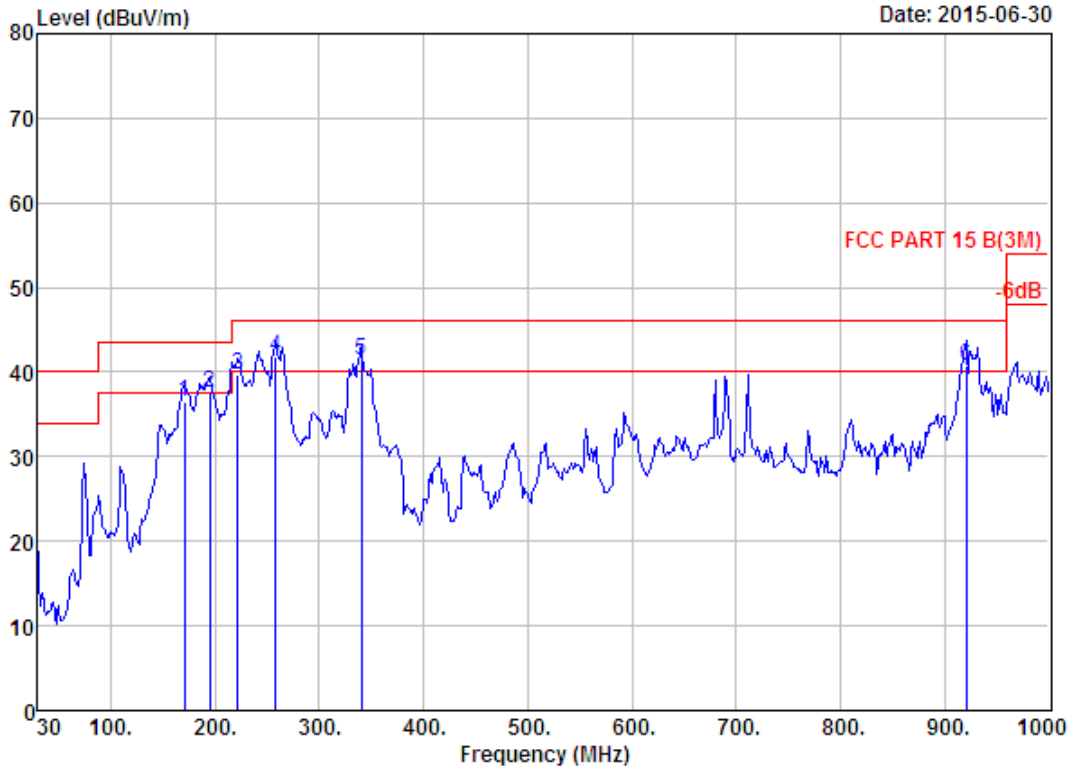
Site no. : 966 1# chamber Data no. : 433
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.20	8.11	1.31	21.37	30.79	43.50	12.71	QP
2	173.56	9.03	1.68	24.64	35.35	43.50	8.15	QP
3	224.00	9.42	2.01	27.93	39.36	46.00	6.64	QP
4	260.86	12.96	2.22	22.06	37.24	46.00	8.76	QP
5	594.54	19.51	3.33	16.19	39.03	46.00	6.97	QP
6	917.55	23.84	4.38	12.39	40.61	46.00	5.39	QP



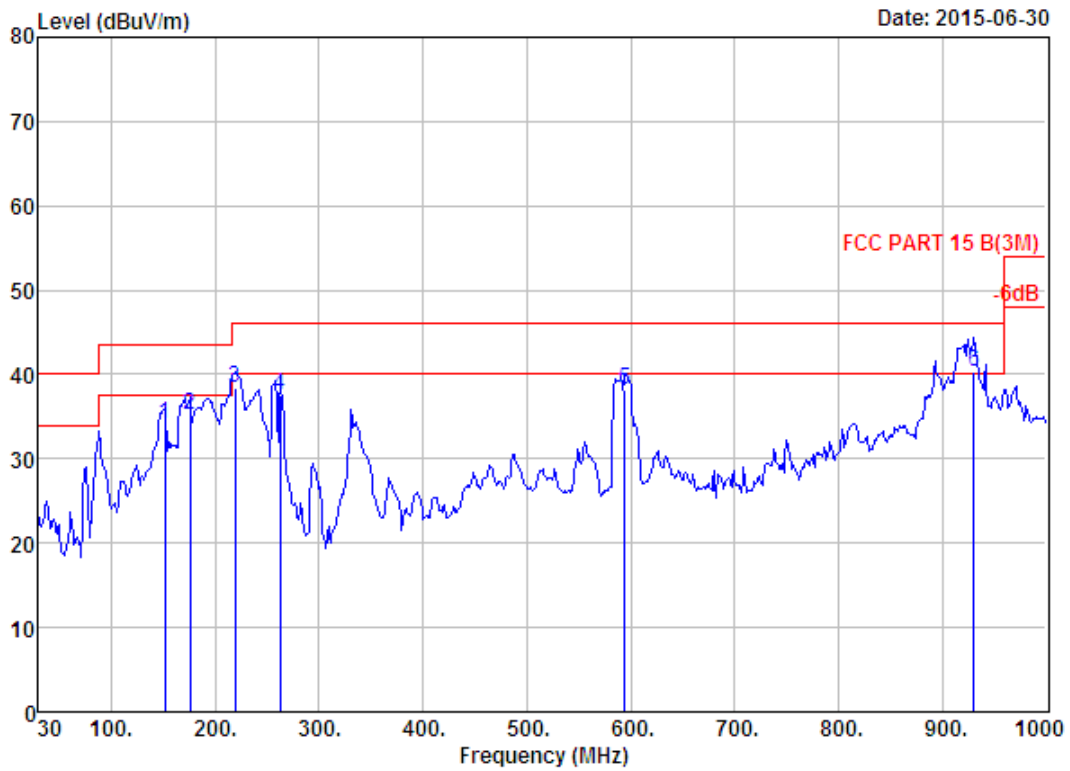
Site no. : 966 1# chamber Data no. : 434
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	187.14	8.26	1.84	27.26	37.36	43.50	6.14	QP
2	224.00	9.42	2.01	28.26	39.69	46.00	6.31	QP
3	245.34	11.06	2.10	26.72	39.88	46.00	6.12	QP
4	338.46	14.10	2.50	22.80	39.40	46.00	6.60	QP
5	679.90	20.29	3.66	12.76	36.71	46.00	9.29	QP
6	922.40	24.04	4.44	14.28	42.76	46.00	3.24	QP



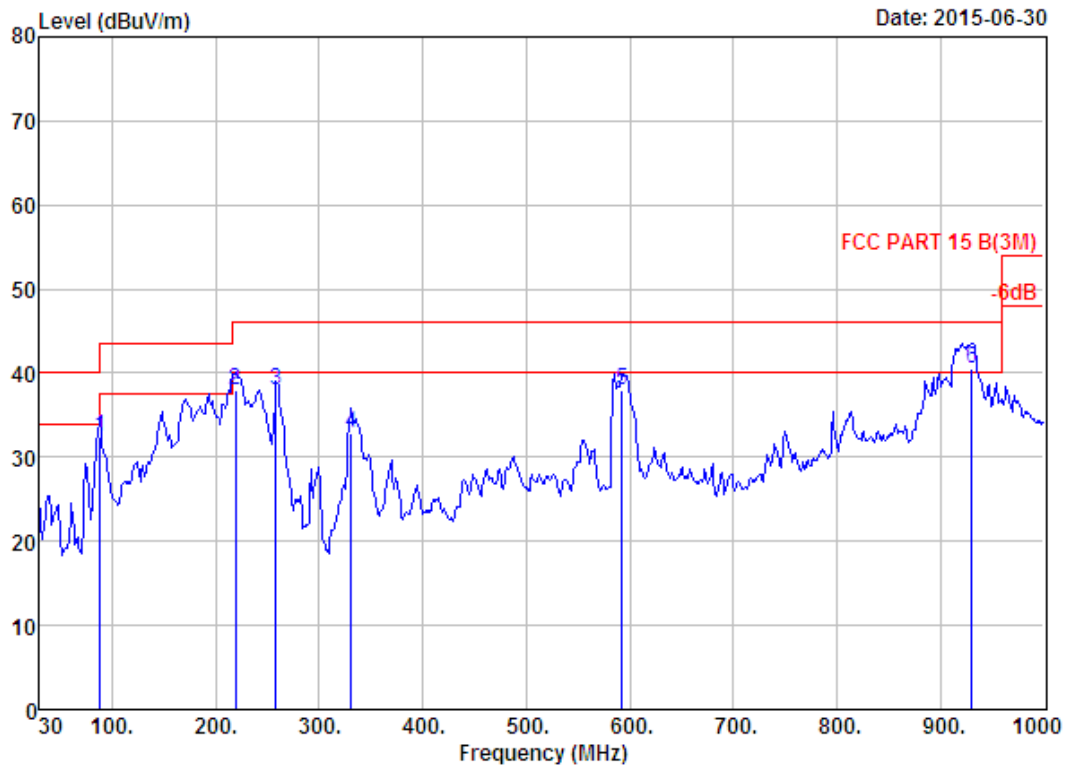
Site no. : 966 1# chamber
 Dis. / Ant. : 3m 27137
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limite (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	25.70	36.55	43.50	6.95	QP
2	194.90	7.72	1.78	28.05	37.55	43.50	5.95	QP
3	222.06	9.31	2.01	28.26	39.58	46.00	6.42	QP
4	257.95	12.75	2.19	26.87	41.81	46.00	4.19	QP
5	340.40	14.16	2.51	24.64	41.31	46.00	4.69	QP
6	920.46	23.95	4.42	12.41	40.78	46.00	5.22	QP



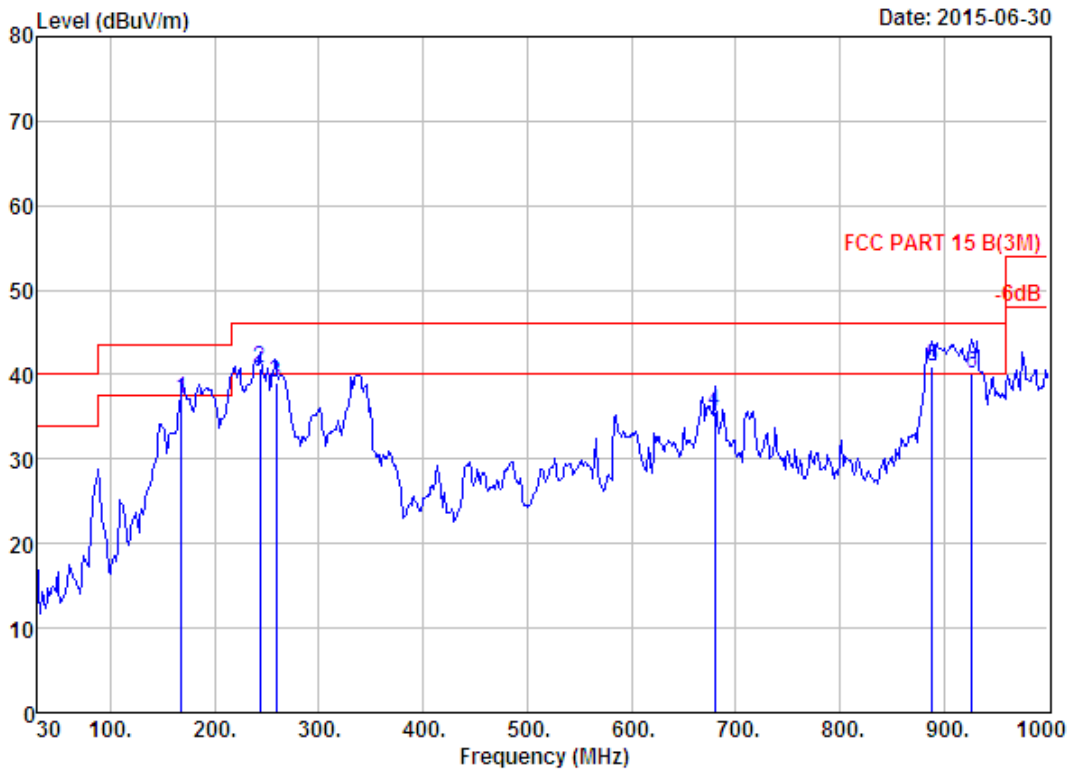
Site no. : 966 1# chamber Data no. : 436
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	151.25	10.82	1.61	21.60	34.03	43.50	9.47	QP
2	175.50	8.98	1.68	24.61	35.27	43.50	8.23	QP
3	219.15	9.10	1.94	27.33	38.37	46.00	7.63	QP
4	262.80	12.95	2.22	22.45	37.62	46.00	8.38	QP
5	594.54	19.51	3.33	15.34	38.18	46.00	7.82	QP
6	930.16	24.41	4.50	11.36	40.27	46.00	5.73	QP



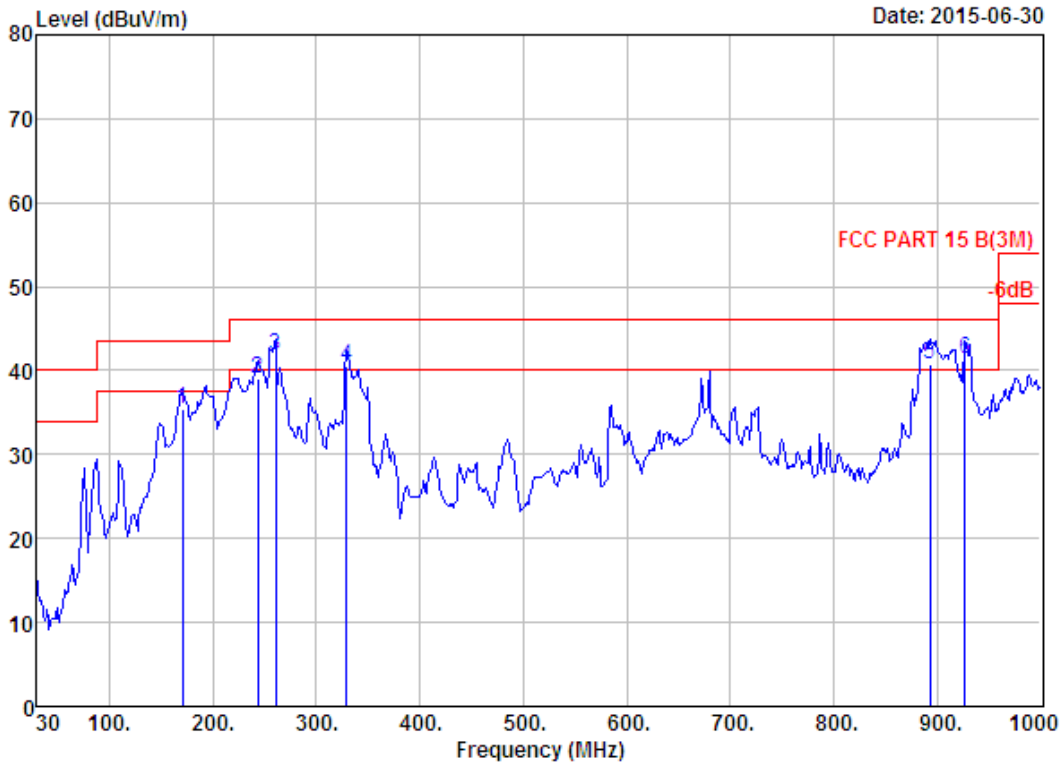
Site no. : 966 1# chamber Data no. : 437
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.20	8.11	1.31	23.07	32.49	43.50	11.01	QP
2	219.15	9.10	1.94	26.98	38.02	46.00	7.98	QP
3	257.95	12.75	2.19	23.02	37.96	46.00	8.04	QP
4	330.70	13.88	2.44	16.52	32.84	46.00	13.16	QP
5	592.60	19.48	3.36	15.08	37.92	46.00	8.08	QP
6	930.16	24.41	4.50	11.69	40.60	46.00	5.40	QP



Site no. : 966 1# chamber Data no. : 438
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	26.07	37.21	43.50	6.29	QP
2	243.40	10.78	2.14	27.83	40.75	46.00	5.25	QP
3	258.92	12.86	2.22	24.01	39.09	46.00	6.91	QP
4	679.90	20.29	3.66	11.70	35.65	46.00	10.35	QP
5	888.45	22.81	3.94	14.11	40.86	46.00	5.14	QP
6	927.25	24.27	4.50	11.37	40.14	46.00	5.86	QP

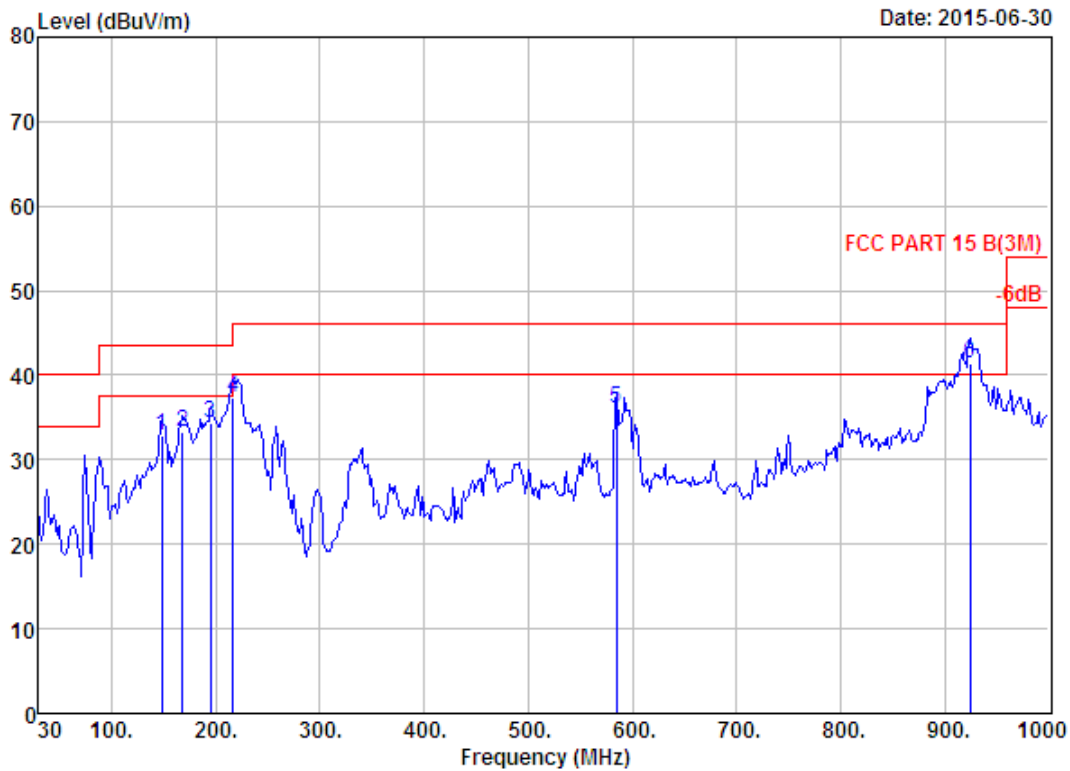


Date: 2015-06-30

Site no. : 966 1# chamber Data no. : 439
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

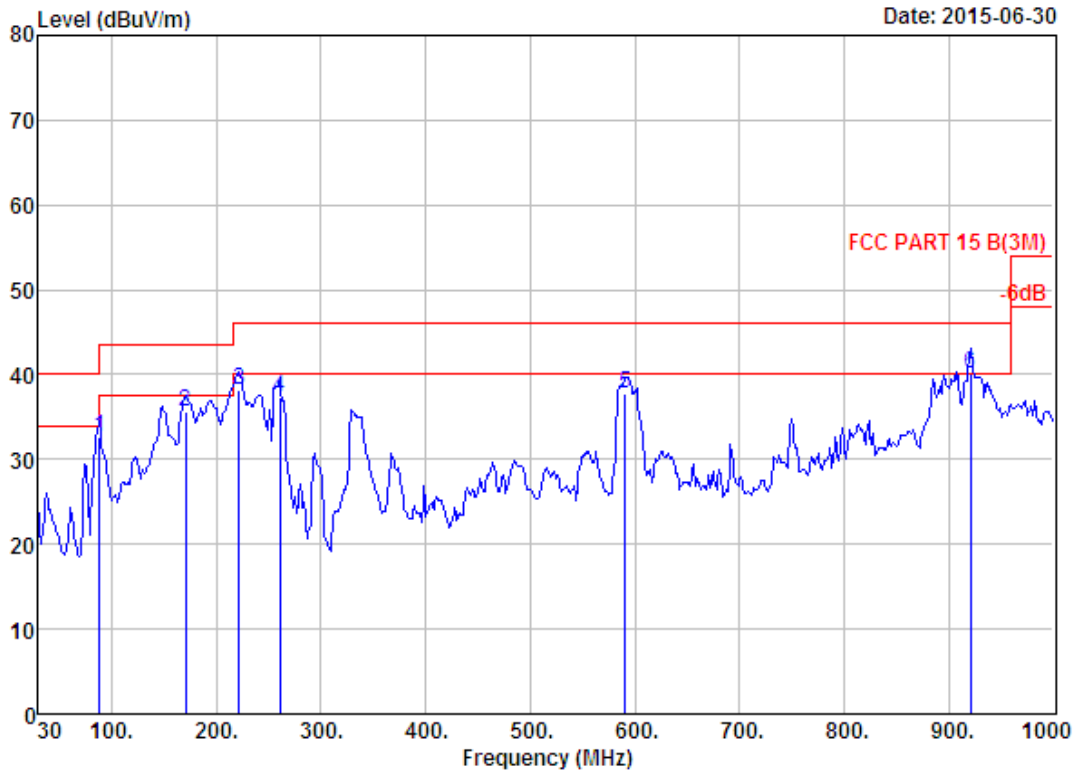
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	24.48	35.33	43.50	8.17	QP
2	243.40	10.78	2.14	26.19	39.11	46.00	6.89	QP
3	260.86	12.96	2.22	26.62	41.80	46.00	4.20	QP
4	328.76	13.82	2.44	24.24	40.50	46.00	5.50	QP
5	893.30	22.97	3.99	13.81	40.77	46.00	5.23	QP
6	927.25	24.27	4.50	12.70	41.47	46.00	4.53	QP





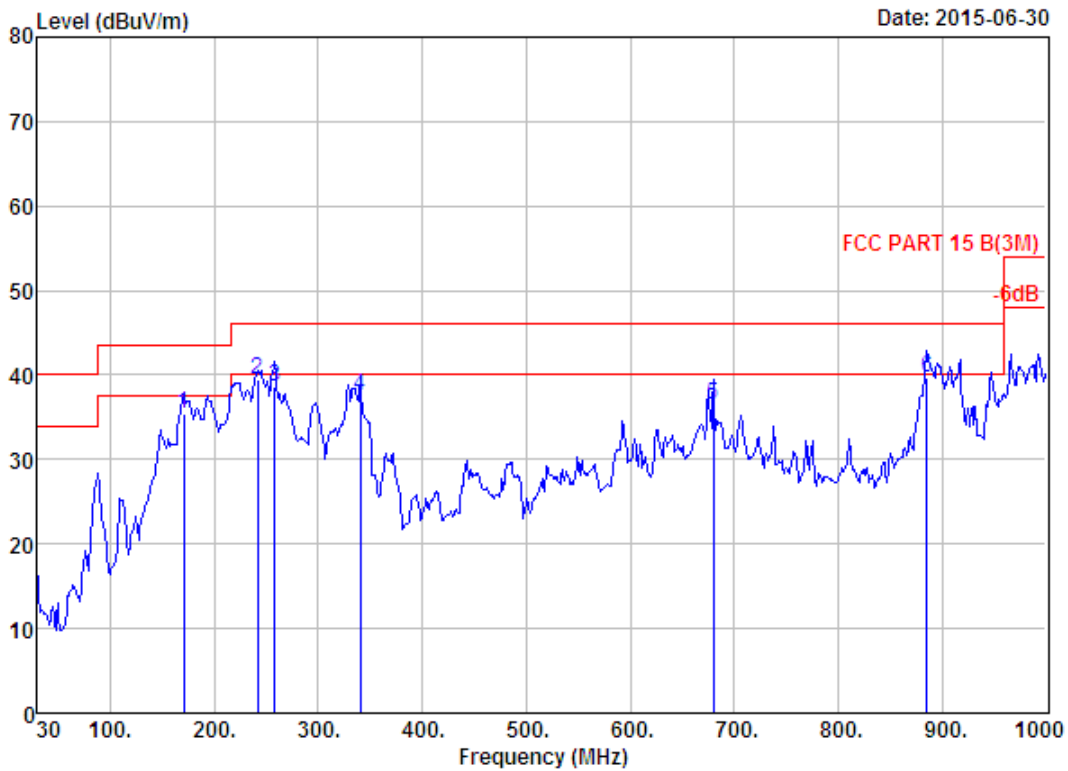
Site no. : 966 1# chamber Data no. : 440
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	20.09	32.78	43.50	10.72	QP
2	167.74	9.43	1.71	22.04	33.18	43.50	10.32	QP
3	194.90	7.72	1.78	24.83	34.33	43.50	9.17	QP
4	216.24	8.80	1.95	26.65	37.40	46.00	8.60	QP
5	584.84	19.47	3.37	13.18	36.02	46.00	9.98	QP
6	924.34	24.13	4.50	12.66	41.29	46.00	4.71	QP



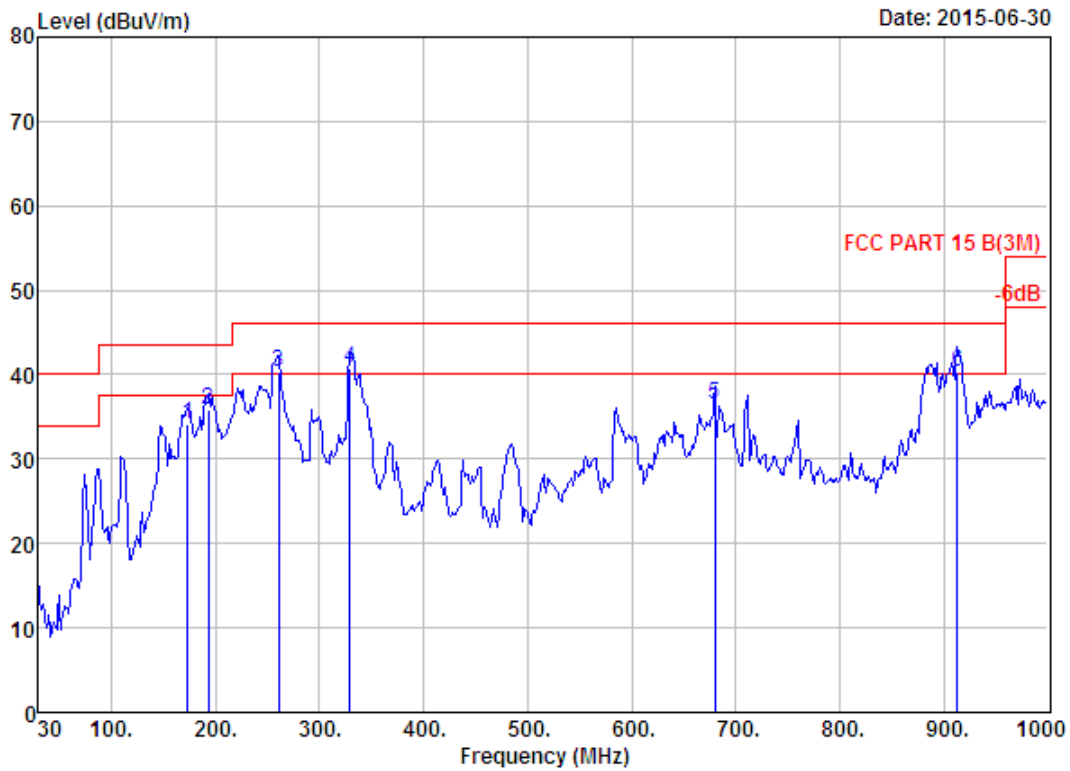
Site no. : 966 1# chamber Data no. : 441
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	88.20	8.11	1.31	23.21	32.63	43.50	10.87	QP
2	170.65	9.16	1.69	24.67	35.52	43.50	7.98	QP
3	222.06	9.31	2.01	26.90	38.22	46.00	7.78	QP
4	260.86	12.96	2.22	22.22	37.40	46.00	8.60	QP
5	590.66	19.45	3.37	14.94	37.76	46.00	8.24	QP
6	920.46	23.95	4.42	11.70	40.07	46.00	5.93	QP



Site no. : 966 1# chamber Data no. : 442
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	24.61	35.46	43.50	8.04	QP
2	241.46	10.50	2.14	26.82	39.46	46.00	6.54	QP
3	257.95	12.75	2.19	23.66	38.60	46.00	7.40	QP
4	340.40	14.16	2.51	20.92	37.59	46.00	8.41	QP
5	679.90	20.29	3.66	12.57	36.52	46.00	9.48	QP
6	885.54	22.76	3.78	13.24	39.78	46.00	6.22	QP

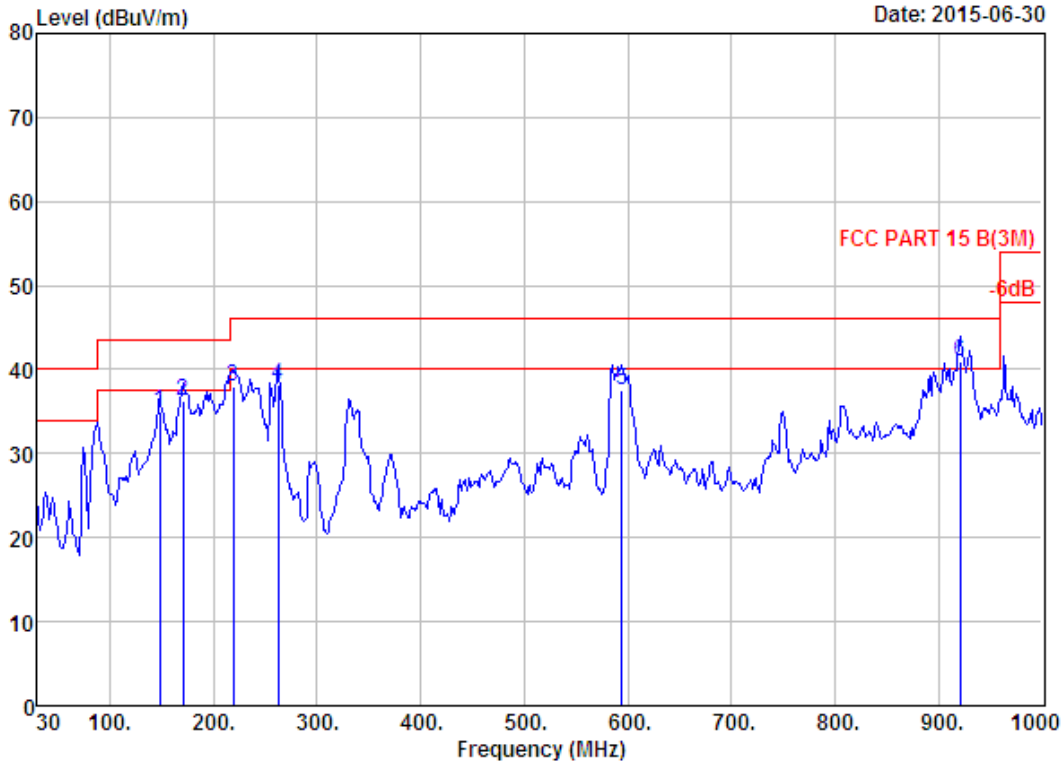


Date: 2015-06-30

Site no. : 966 1# chamber Data no. : 443
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

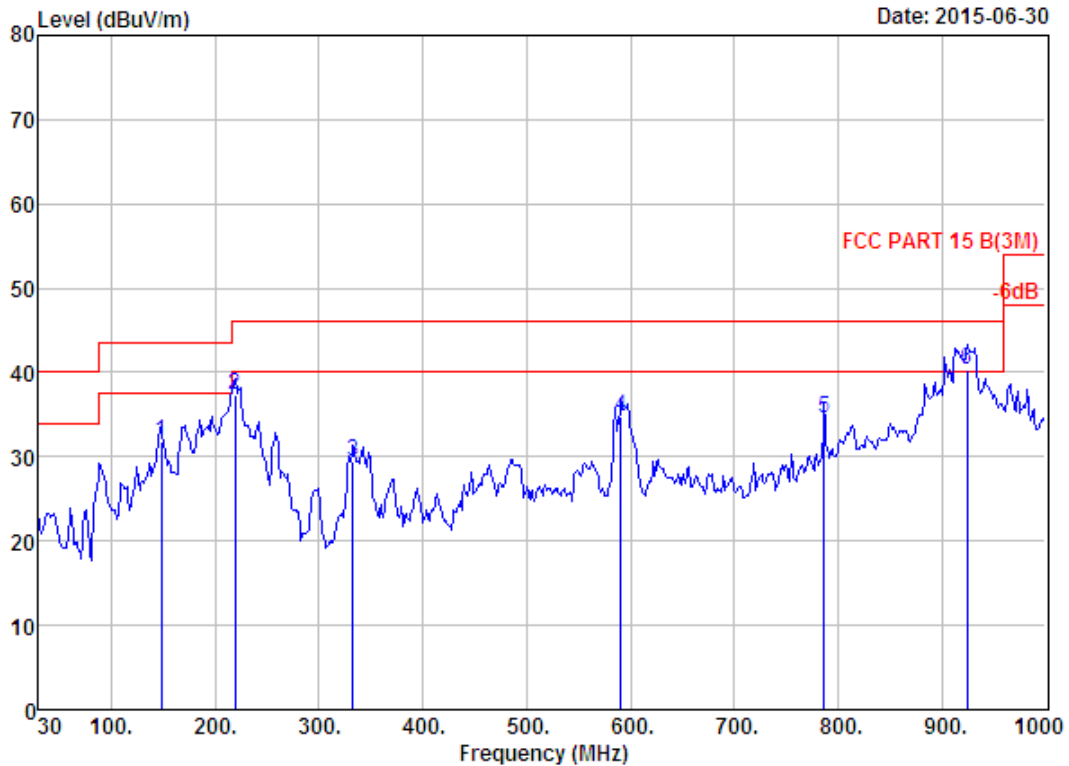
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	173.56	9.03	1.68	23.32	34.03	43.50	9.47	QP
2	192.96	7.85	1.77	26.14	35.76	43.50	7.74	QP
3	260.86	12.96	2.22	25.10	40.28	46.00	5.72	QP
4	328.76	13.82	2.44	24.39	40.65	46.00	5.35	QP
5	679.90	20.29	3.66	12.61	36.56	46.00	9.44	QP
6	912.70	23.65	4.21	12.41	40.27	46.00	5.73	QP





Site no. : 966 1# chamber Data no. : 444
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

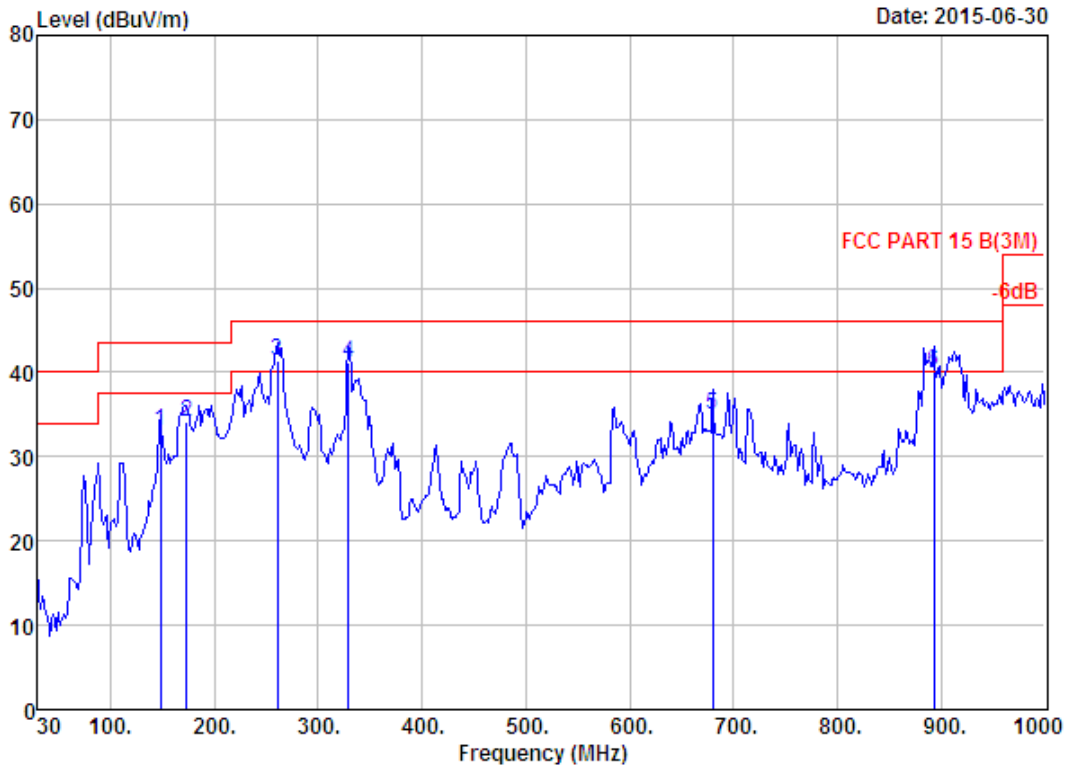
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	22.29	34.98	43.50	8.52	QP
2	170.65	9.16	1.69	25.47	36.32	43.50	7.18	QP
3	219.15	9.10	1.94	26.95	37.99	46.00	8.01	QP
4	262.80	12.95	2.22	23.12	38.29	46.00	7.71	QP
5	594.54	19.51	3.33	14.65	37.49	46.00	8.51	QP
6	920.46	23.95	4.42	12.65	41.02	46.00	4.98	QP



Date: 2015-06-30

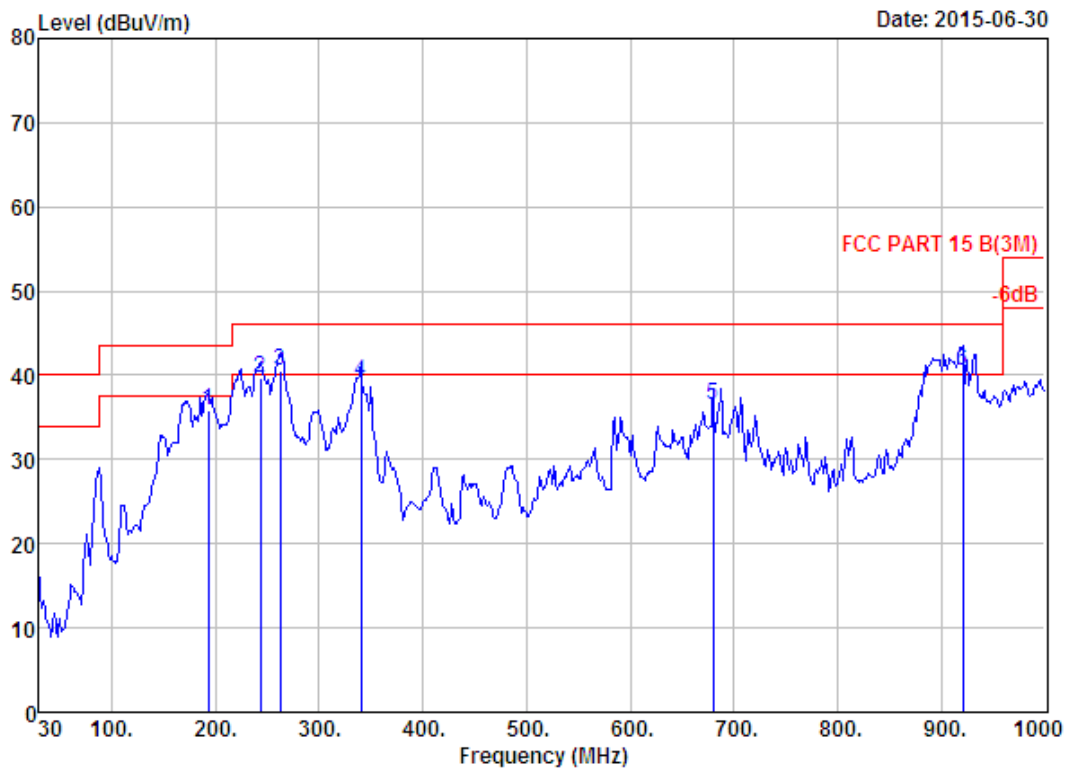
Site no. : 966 1# chamber Data no. : 445
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	19.10	31.79	43.50	11.71	QP
2	219.15	9.10	1.94	26.31	37.35	46.00	8.65	QP
3	332.64	13.93	2.48	12.93	29.34	46.00	16.66	QP
4	590.66	19.45	3.37	12.00	34.82	46.00	11.18	QP
5	786.60	22.03	3.80	8.73	34.56	46.00	11.44	QP
6	924.34	24.13	4.50	11.66	40.29	46.00	5.71	QP



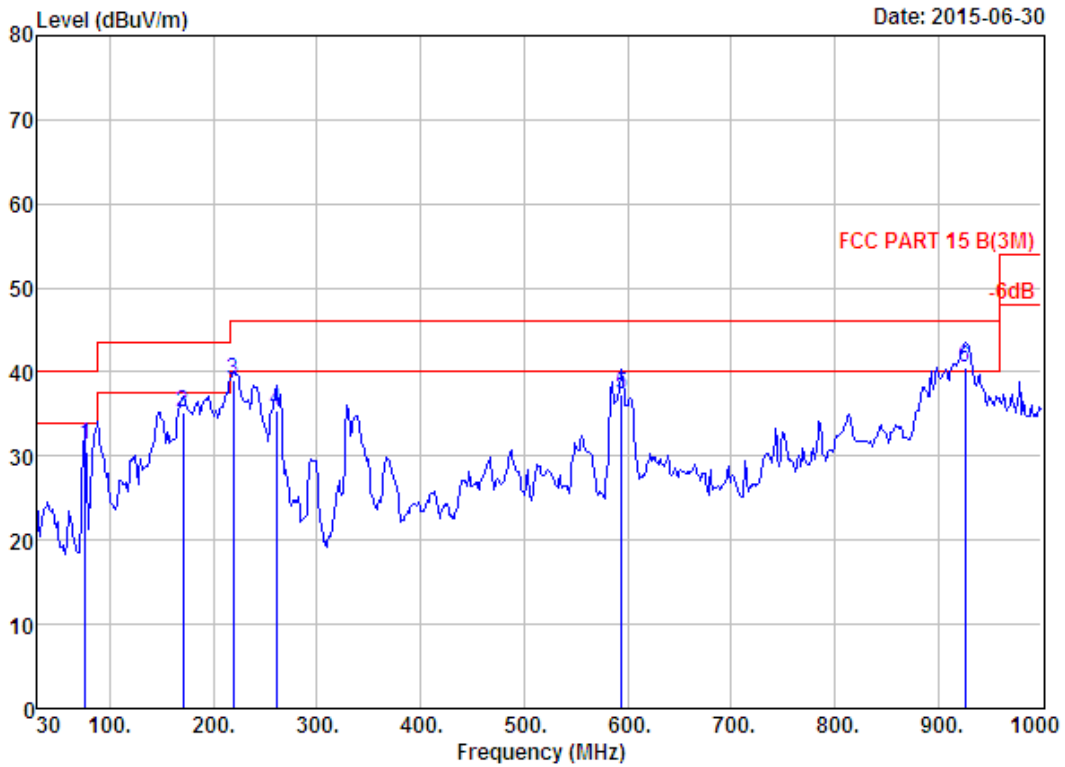
Site no. : 966 1# chamber Data no. : 446
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	20.36	33.05	43.50	10.45	QP
2	173.56	9.03	1.68	23.38	34.09	43.50	9.41	QP
3	260.86	12.96	2.22	26.27	41.45	46.00	4.55	QP
4	328.76	13.82	2.44	24.84	41.10	46.00	4.90	QP
5	679.90	20.29	3.66	11.01	34.96	46.00	11.04	QP
6	893.30	22.97	3.99	13.11	40.07	46.00	5.93	QP



Site no. : 966 1# chamber Data no. : 447
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna b

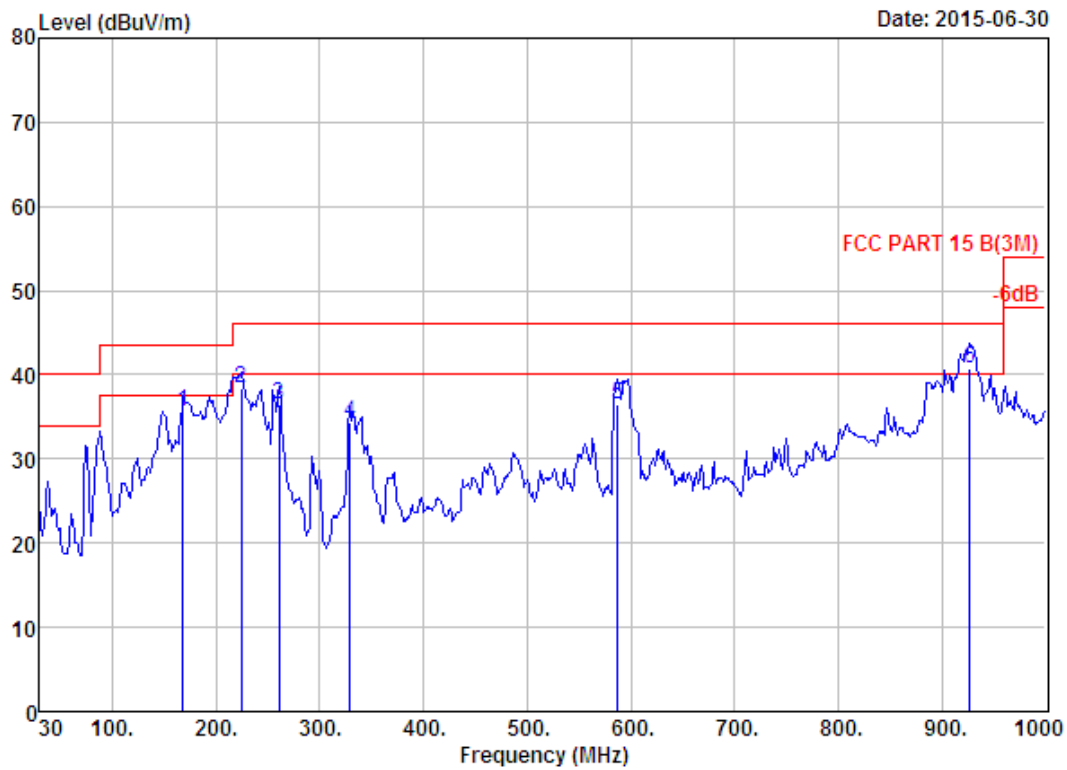
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	26.31	35.93	43.50	7.57	QP
2	243.40	10.78	2.14	26.66	39.58	46.00	6.42	QP
3	262.80	12.95	2.22	25.46	40.63	46.00	5.37	QP
4	340.40	14.16	2.51	22.64	39.31	46.00	6.69	QP
5	679.90	20.29	3.66	12.52	36.47	46.00	9.53	QP
6	920.46	23.95	4.42	12.19	40.56	46.00	5.44	QP



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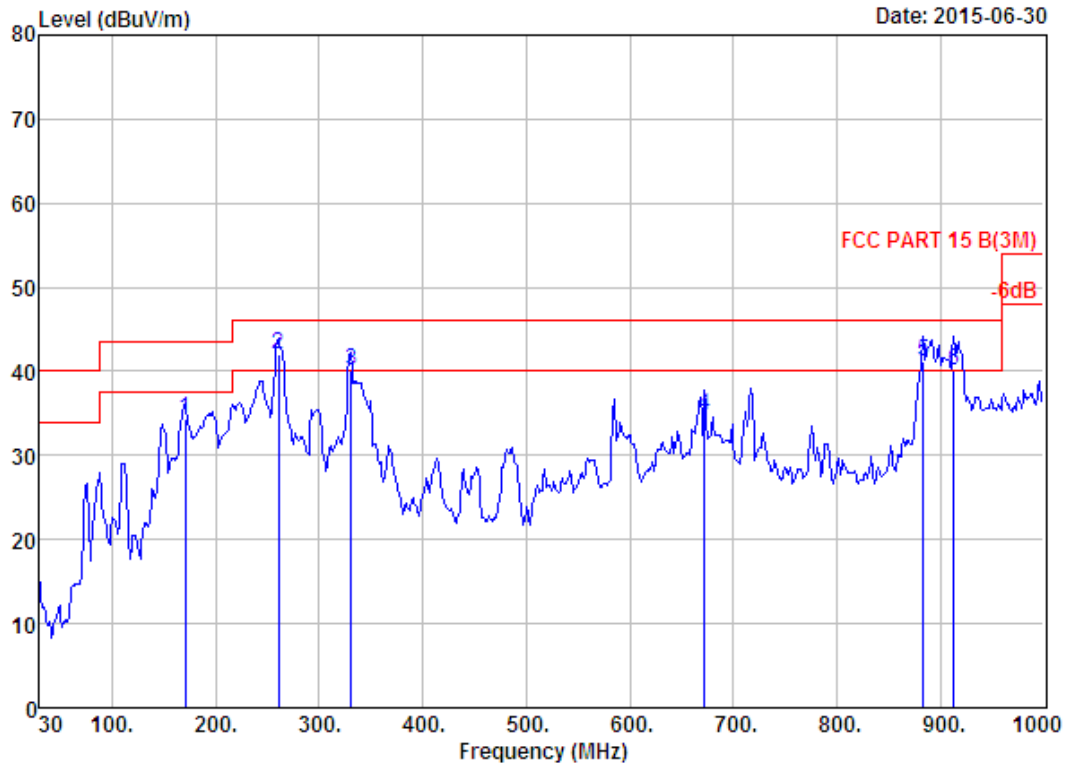
Site no.      : 966 1# chamber           Data no.   : 448
Dis. / Ant.  : 3m 27137                 Ant. pol.  : VERTICAL
Limit        : FCC PART 15 B(3M)
Env. / Ins.  : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer     : Tony
EUT          : LED TV
Power        : AC 120V/60Hz
M/N          : WD65NC4190
Test Mode    : IEEE 802.11b CH7 2442TX
                Antenna b
    
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	76.56	6.66	1.19	23.57	31.42	40.00	8.58	QP
2	170.65	9.16	1.69	24.33	35.18	43.50	8.32	QP
3	219.15	9.10	1.94	28.09	39.13	46.00	6.87	QP
4	260.86	12.96	2.22	20.14	35.32	46.00	10.68	QP
5	594.54	19.51	3.33	14.51	37.35	46.00	8.65	QP
6	926.28	24.23	4.51	11.71	40.45	46.00	5.55	QP



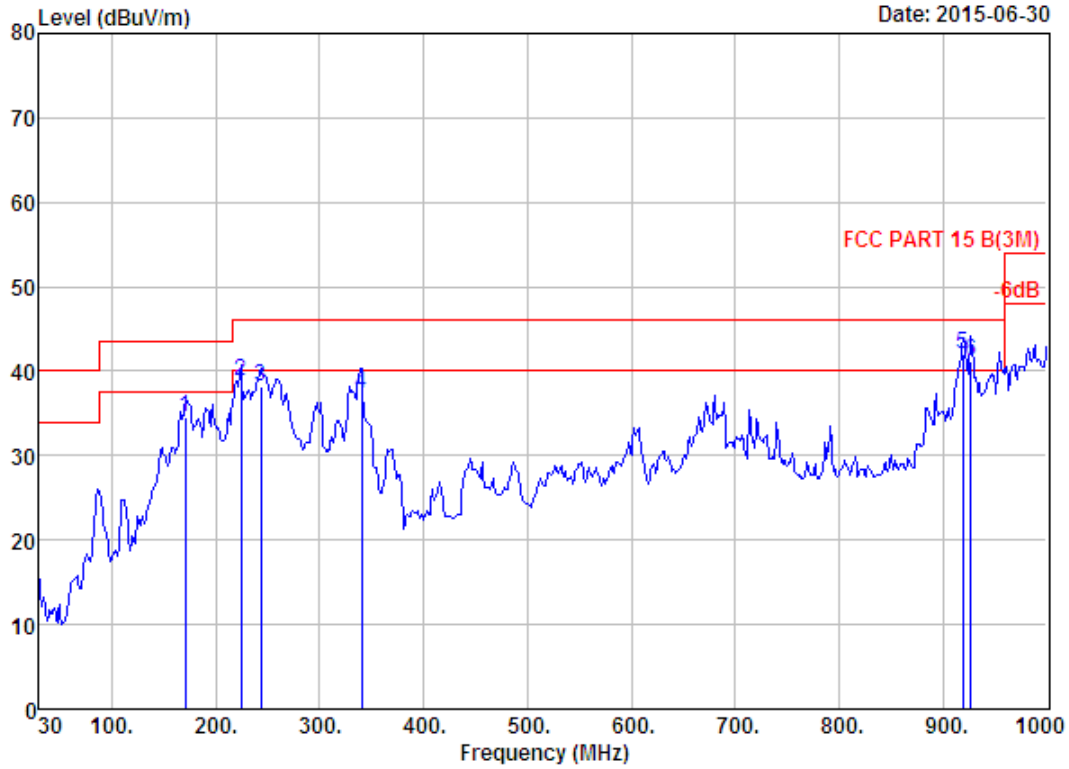
Site no. : 966 1# chamber Data no. : 449
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	24.44	35.58	43.50	7.92	QP
2	224.00	9.42	2.01	26.97	38.40	46.00	7.60	QP
3	260.86	12.96	2.22	21.33	36.51	46.00	9.49	QP
4	328.76	13.82	2.44	17.99	34.25	46.00	11.75	QP
5	587.75	19.44	3.40	13.69	36.53	46.00	9.47	QP
6	927.25	24.27	4.50	12.04	40.81	46.00	5.19	QP



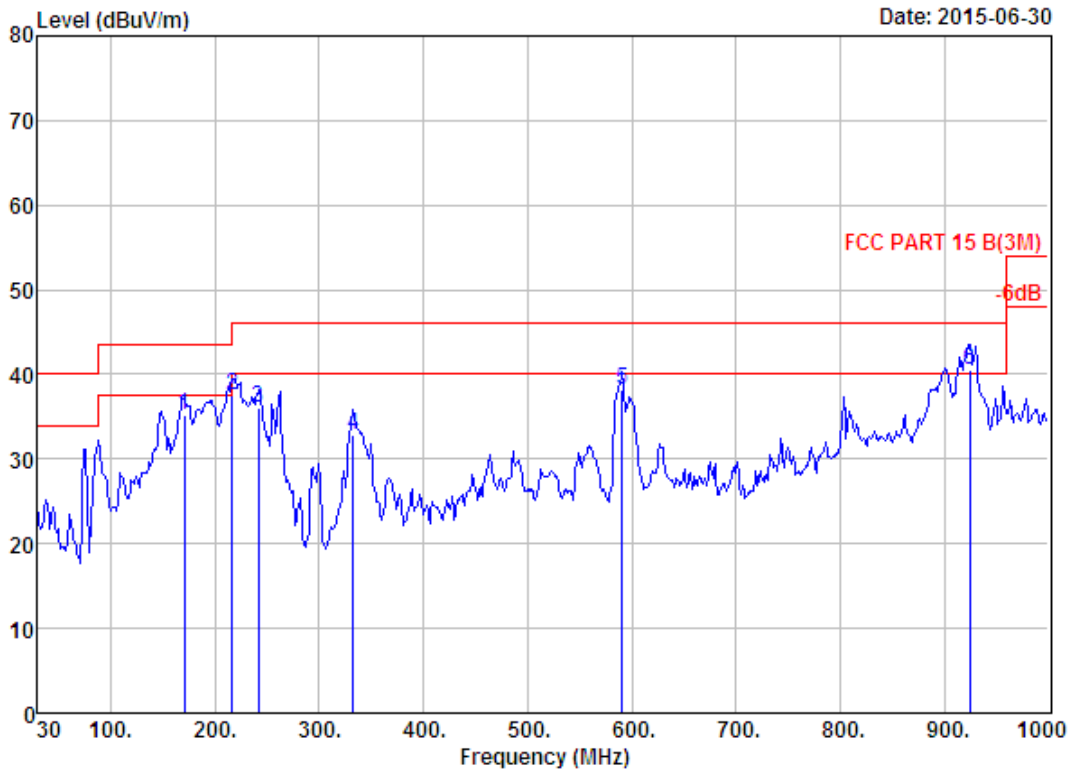
Site no. : 966 1# chamber Data no. : 450
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	23.41	34.26	43.50	9.24	QP
2	260.86	12.96	2.22	26.76	41.94	46.00	4.06	QP
3	330.70	13.88	2.44	23.85	40.17	46.00	5.83	QP
4	672.14	20.23	3.62	10.98	34.83	46.00	11.17	QP
5	883.60	22.72	3.99	14.37	41.08	46.00	4.92	QP
6	912.70	23.65	4.21	12.25	40.11	46.00	5.89	QP



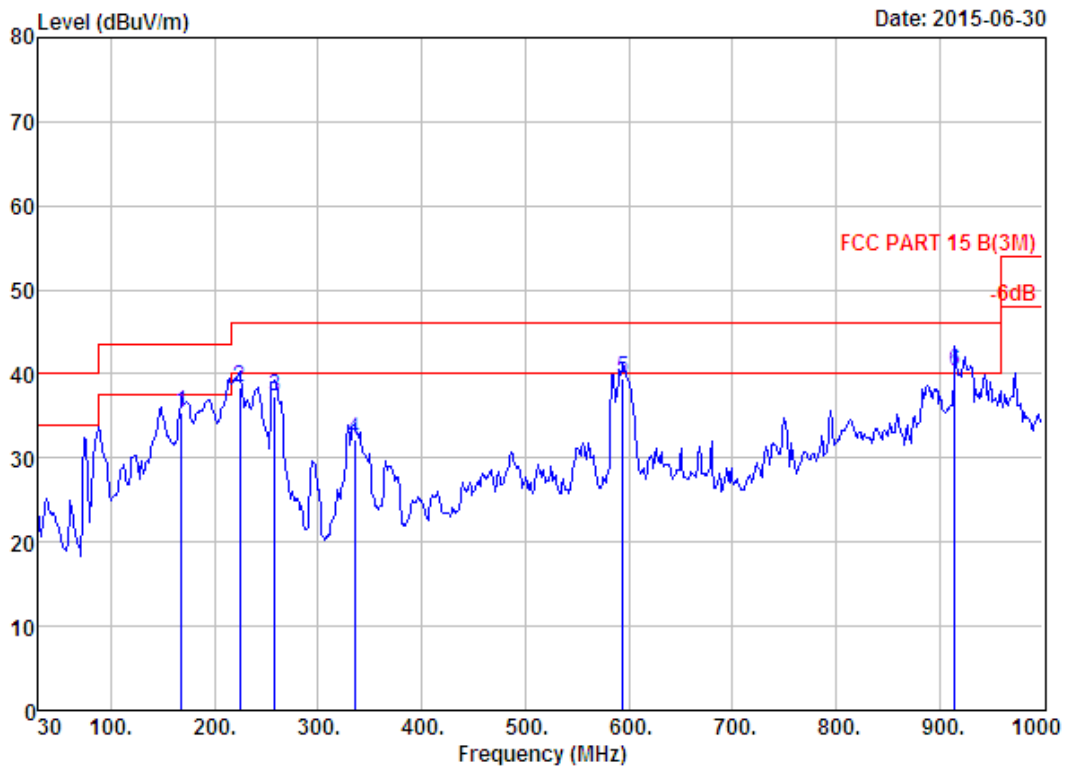
Site no. : 966 1# chamber Data no. : 451
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	23.69	34.54	43.50	8.96	QP
2	224.00	9.42	2.01	27.38	38.81	46.00	7.19	QP
3	243.40	10.78	2.14	25.37	38.29	46.00	7.71	QP
4	340.40	14.16	2.51	20.64	37.31	46.00	8.69	QP
5	919.49	23.91	4.43	13.63	41.97	46.00	4.03	QP
6	927.25	24.27	4.50	12.37	41.14	46.00	4.86	QP



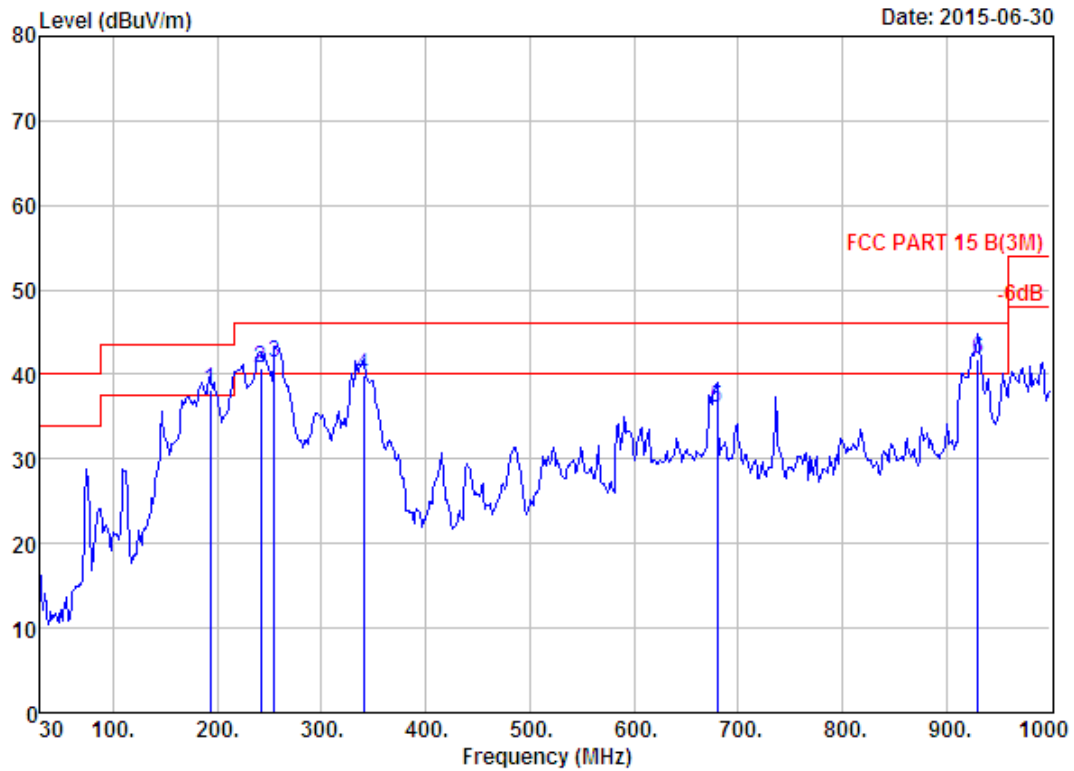
Site no. : 966 1# chamber Data no. : 452
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	24.44	35.29	43.50	8.21	QP
2	216.24	8.80	1.95	26.73	37.48	46.00	8.52	QP
3	241.46	10.50	2.14	23.45	36.09	46.00	9.91	QP
4	332.64	13.93	2.48	16.43	32.84	46.00	13.16	QP
5	590.66	19.45	3.37	15.45	38.27	46.00	7.73	QP
6	924.34	24.13	4.50	11.84	40.47	46.00	5.53	QP



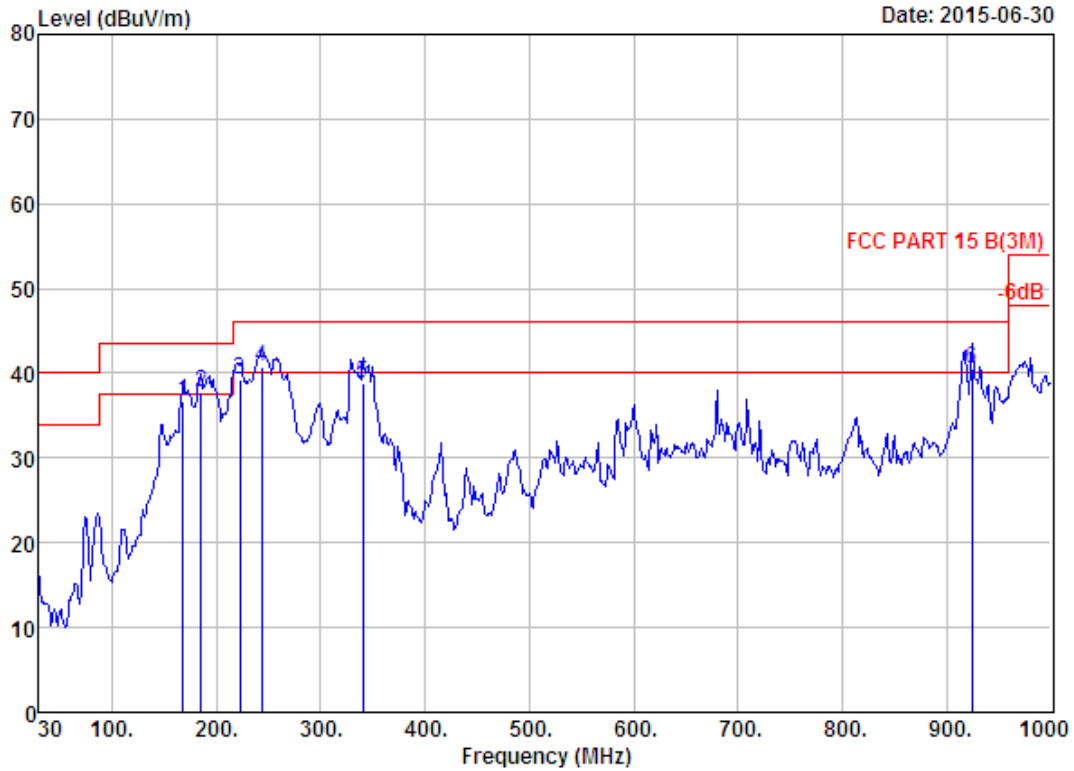
Site no. : 966 1# chamber Data no. : 453
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	24.27	35.41	43.50	8.09	QP
2	224.00	9.42	2.01	26.87	38.30	46.00	7.70	QP
3	257.95	12.75	2.19	22.31	37.25	46.00	8.75	QP
4	335.55	14.02	2.50	15.62	32.14	46.00	13.86	QP
5	594.54	19.51	3.33	16.53	39.37	46.00	6.63	QP
6	914.64	23.73	4.40	12.25	40.38	46.00	5.62	QP



Site no. : 966 1# chamber Data no. : 454
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	28.52	38.14	43.50	5.36	QP
2	241.46	10.50	2.14	28.03	40.67	46.00	5.33	QP
3	255.04	12.41	2.13	26.78	41.32	46.00	4.68	QP
4	340.40	14.16	2.51	23.12	39.79	46.00	6.21	QP
5	679.90	20.29	3.66	12.09	36.04	46.00	9.96	QP
6	930.16	24.41	4.50	12.82	41.73	46.00	4.27	QP

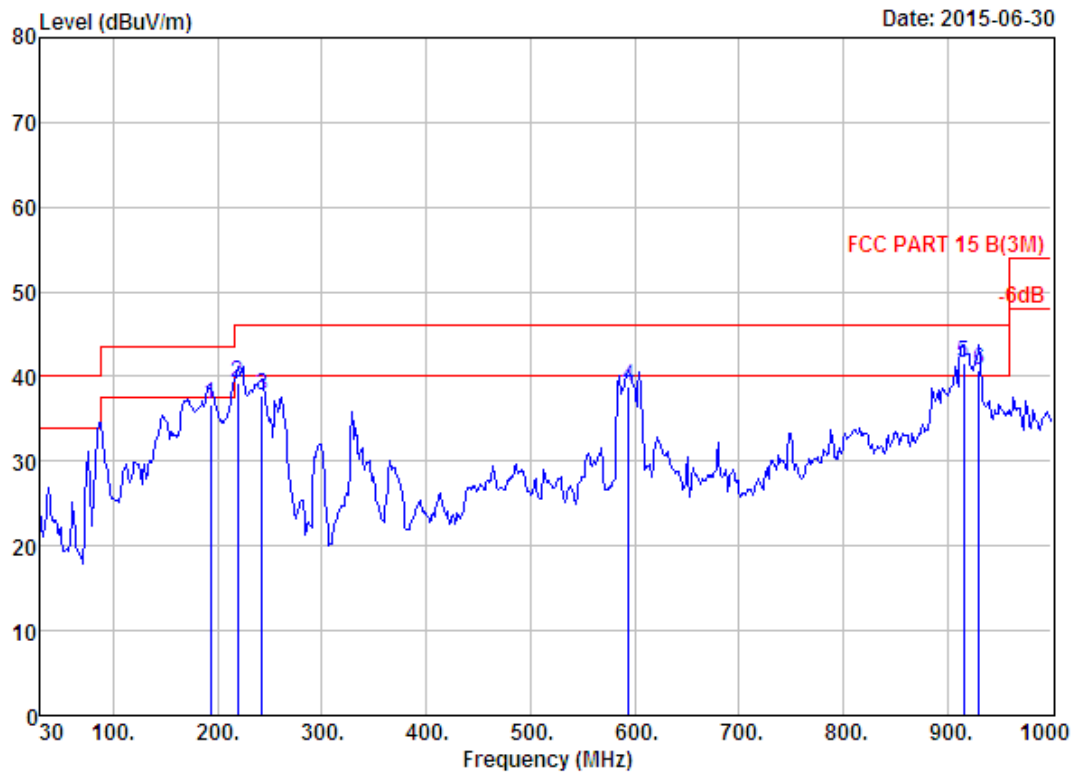


Date: 2015-06-30

Site no. : 966 1# chamber Data no. : 455
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

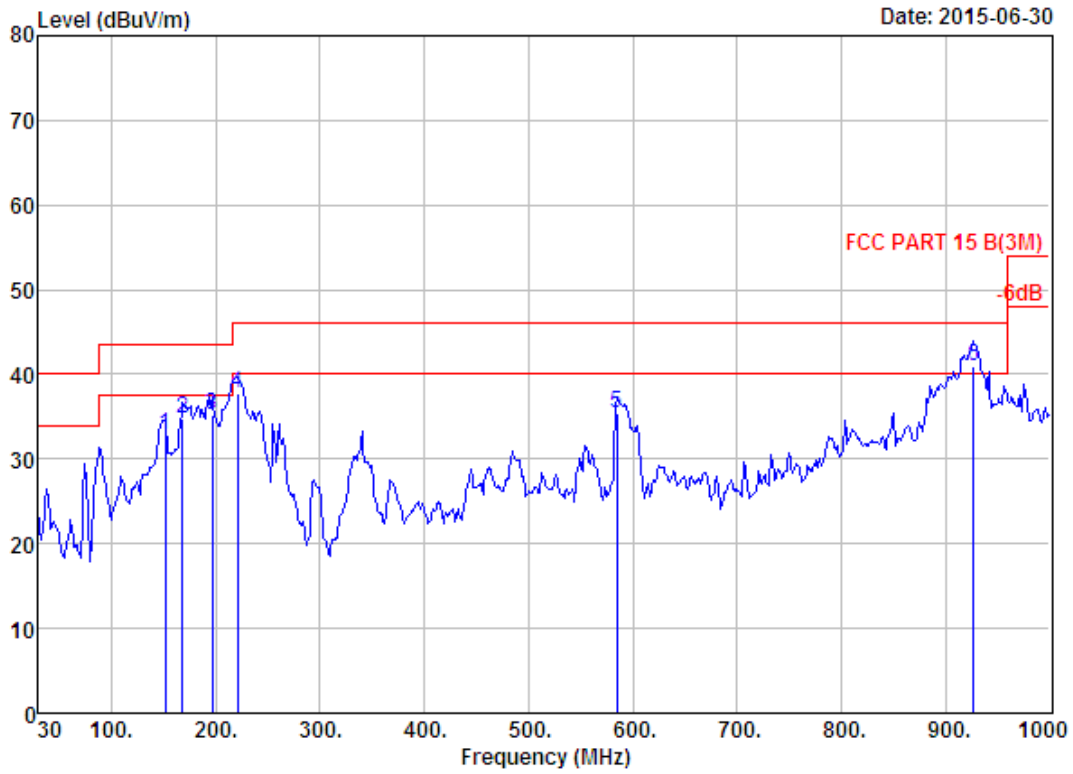
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	25.64	36.78	43.50	6.72	QP
2	185.20	8.48	1.75	27.63	37.86	43.50	5.64	QP
3	223.03	9.37	2.01	27.82	39.20	46.00	6.80	QP
4	243.40	10.78	2.14	27.87	40.79	46.00	5.21	QP
5	340.40	14.16	2.51	22.19	38.86	46.00	7.14	QP
6	924.34	24.13	4.50	11.92	40.55	46.00	5.45	QP





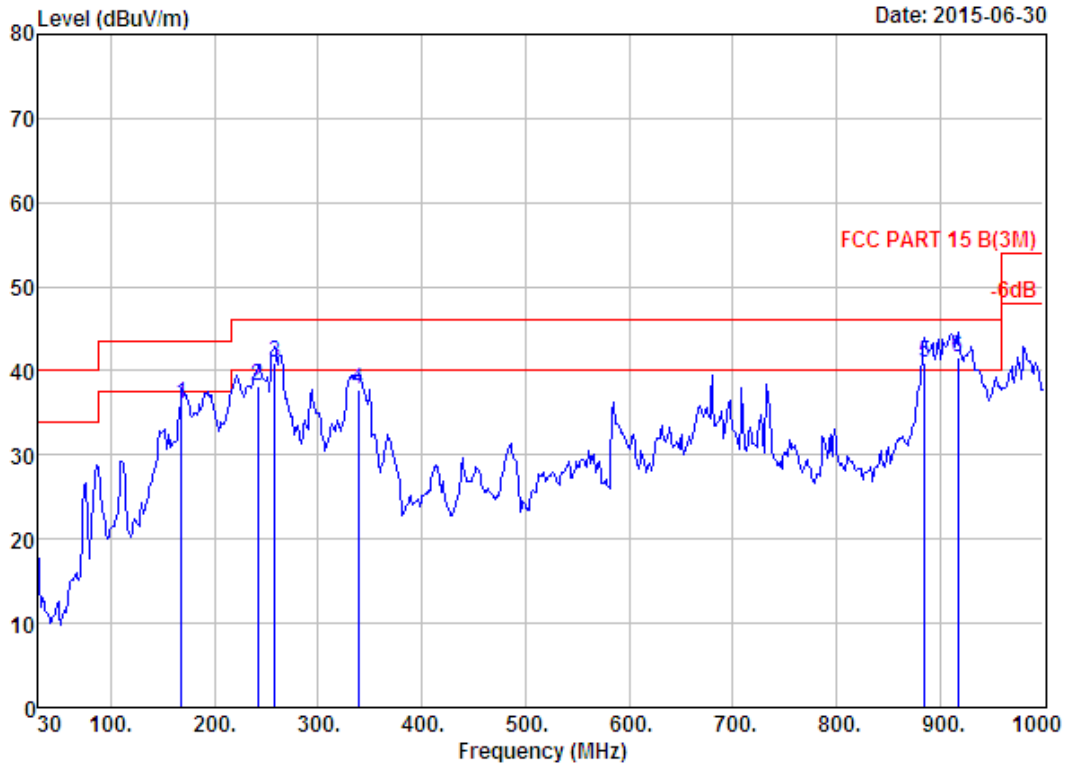
Site no. : 966 1# chamber Data no. : 456
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B(3M)
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : LED TV
Power : AC 120V/60Hz
M/N : WD65NC4190
Test Mode : IEEE 802.11g CH13 2472TX
Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	26.98	36.60	43.50	6.90	QP
2	219.15	9.10	1.94	28.14	39.18	46.00	6.82	QP
3	242.43	10.64	2.16	24.98	37.78	46.00	8.22	QP
4	594.54	19.51	3.33	15.94	38.78	46.00	7.22	QP
5	915.61	23.76	4.37	13.57	41.70	46.00	4.30	QP
6	930.16	24.41	4.50	11.76	40.67	46.00	5.33	QP



Site no. : 966 1# chamber Data no. : 457
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	151.25	10.82	1.61	20.35	32.78	43.50	10.72	QP
2	167.74	9.43	1.71	23.53	34.67	43.50	8.83	QP
3	196.84	7.72	1.81	25.73	35.26	43.50	8.24	QP
4	221.09	9.26	2.01	26.47	37.74	46.00	8.26	QP
5	584.84	19.47	3.37	12.58	35.42	46.00	10.58	QP
6	927.25	24.27	4.50	12.15	40.92	46.00	5.08	QP

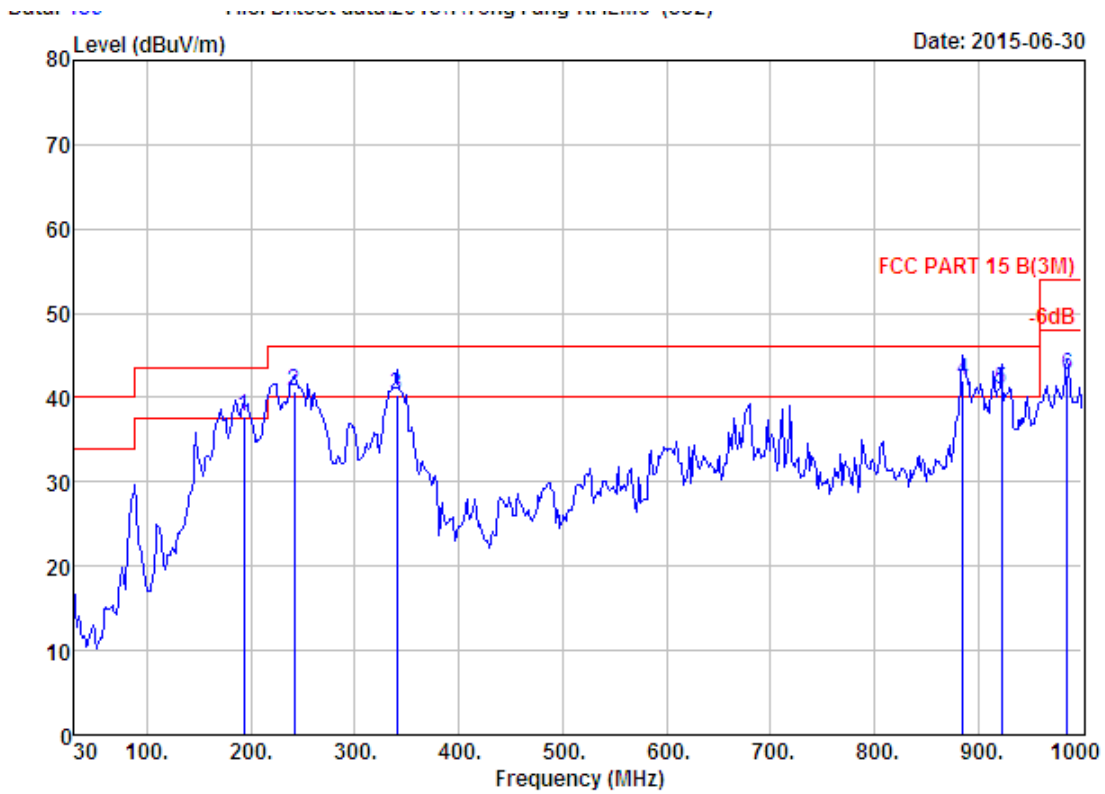


Date: 2015-06-30

Site no. : 966 1# chamber Data no. : 458
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

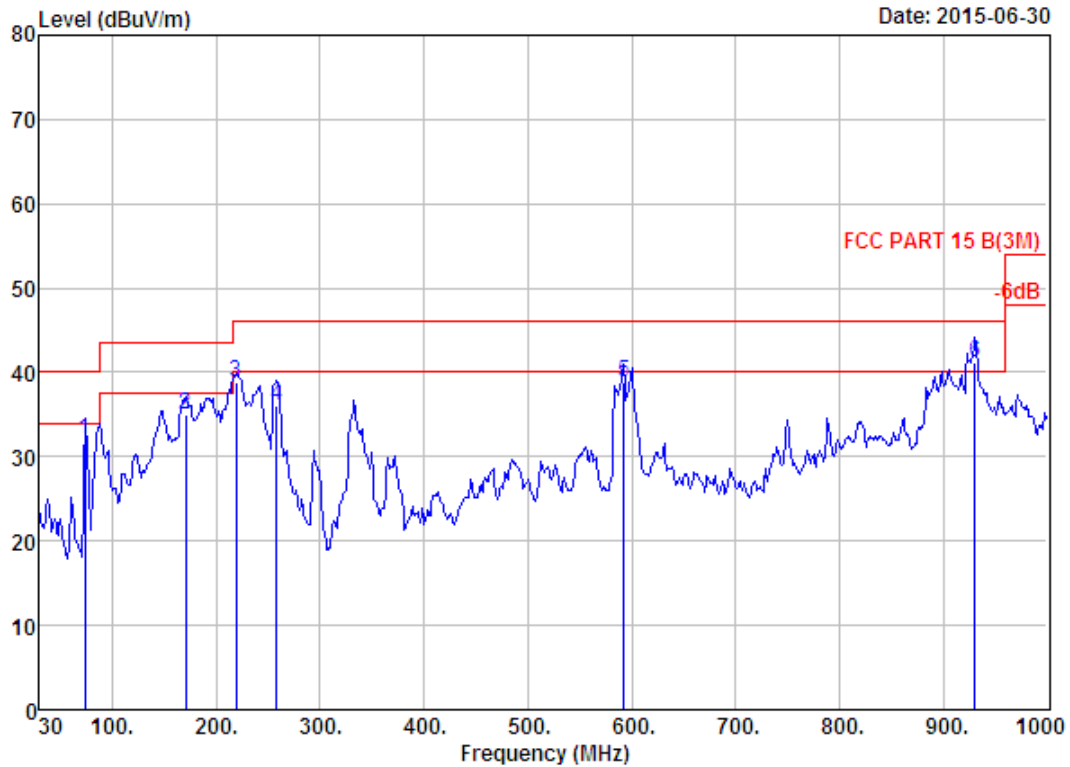
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	167.74	9.43	1.71	24.92	36.06	43.50	7.44	QP
2	241.46	10.50	2.14	25.62	38.26	46.00	7.74	QP
3	257.95	12.75	2.19	25.94	40.88	46.00	5.12	QP
4	338.46	14.10	2.50	21.12	37.72	46.00	8.28	QP
5	885.54	22.76	3.78	14.44	40.98	46.00	5.02	QP
6	917.55	23.84	4.38	13.34	41.56	46.00	4.44	QP





Site no. : 966 1# chamber Data no. : 459
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	28.12	37.74	43.50	5.76	QP
2	241.46	10.50	2.14	28.02	40.66	46.00	5.34	QP
3	340.40	14.16	2.51	23.73	40.40	46.00	5.60	QP
4	885.54	22.76	3.78	15.44	41.98	46.00	4.02	QP
5	922.40	24.04	4.44	12.38	40.86	46.00	5.14	QP
6	985.45	24.64	4.44	13.49	42.57	54.00	11.43	QP

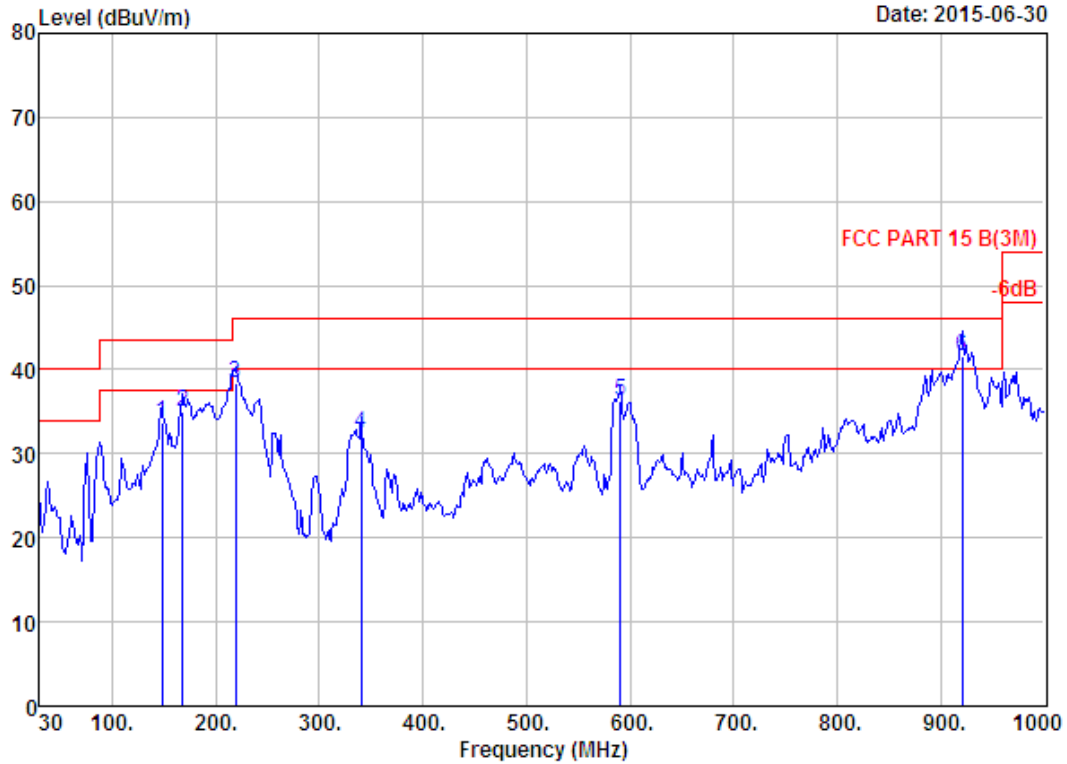


Date: 2015-06-30

Site no. : 966 1# chamber Data no. : 460
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

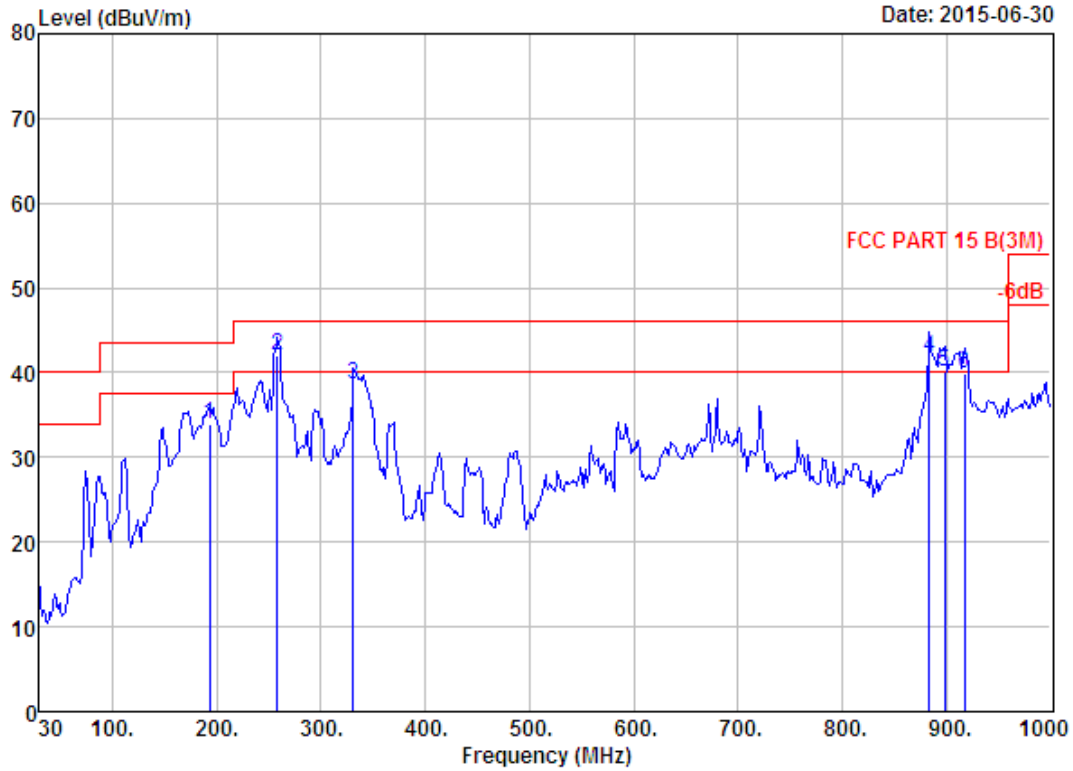
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	73.65	6.22	1.15	24.64	32.01	40.00	7.99	QP
2	170.65	9.16	1.69	24.18	35.03	43.50	8.47	QP
3	219.15	9.10	1.94	27.88	38.92	46.00	7.08	QP
4	257.95	12.75	2.19	21.07	36.01	46.00	9.99	QP
5	592.60	19.48	3.36	16.03	38.87	46.00	7.13	QP
6	930.16	24.41	4.50	12.30	41.21	46.00	4.79	QP





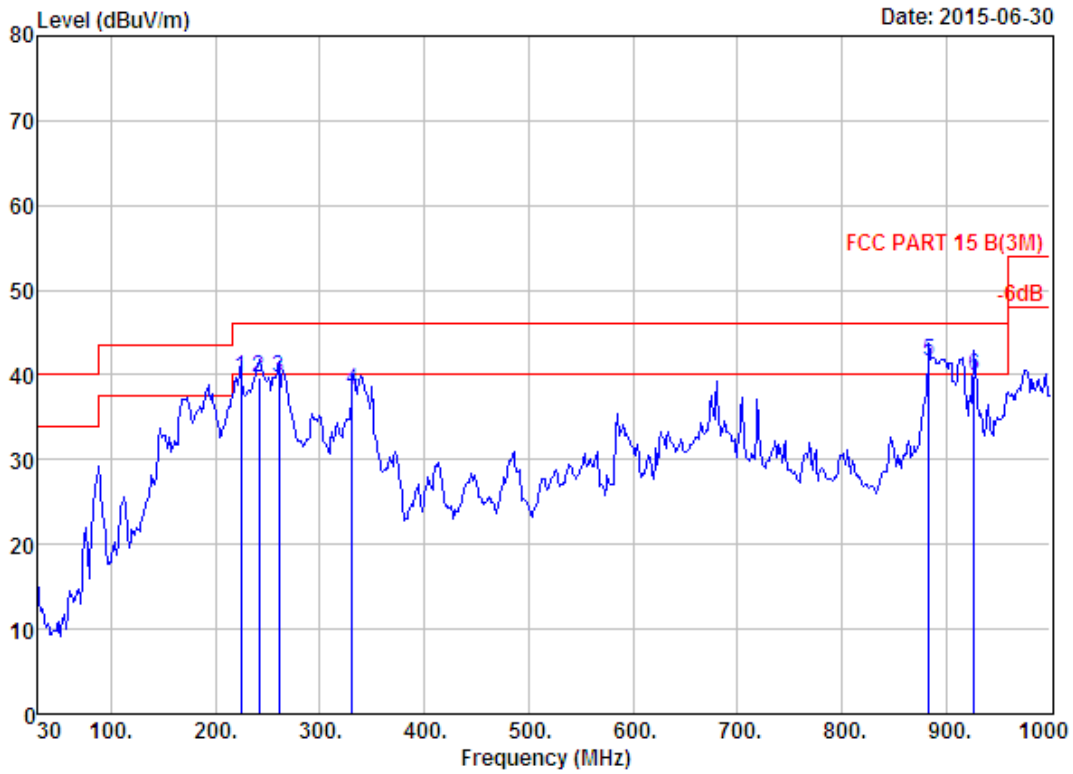
Site no. : 966 1# chamber Data no. : 461
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	20.91	33.60	43.50	9.90	QP
2	167.74	9.43	1.71	23.94	35.08	43.50	8.42	QP
3	219.15	9.10	1.94	27.32	38.36	46.00	7.64	QP
4	340.40	14.16	2.51	15.74	32.41	46.00	13.59	QP
5	590.66	19.45	3.37	13.43	36.25	46.00	9.75	QP
6	920.46	23.95	4.42	13.31	41.68	46.00	4.32	QP



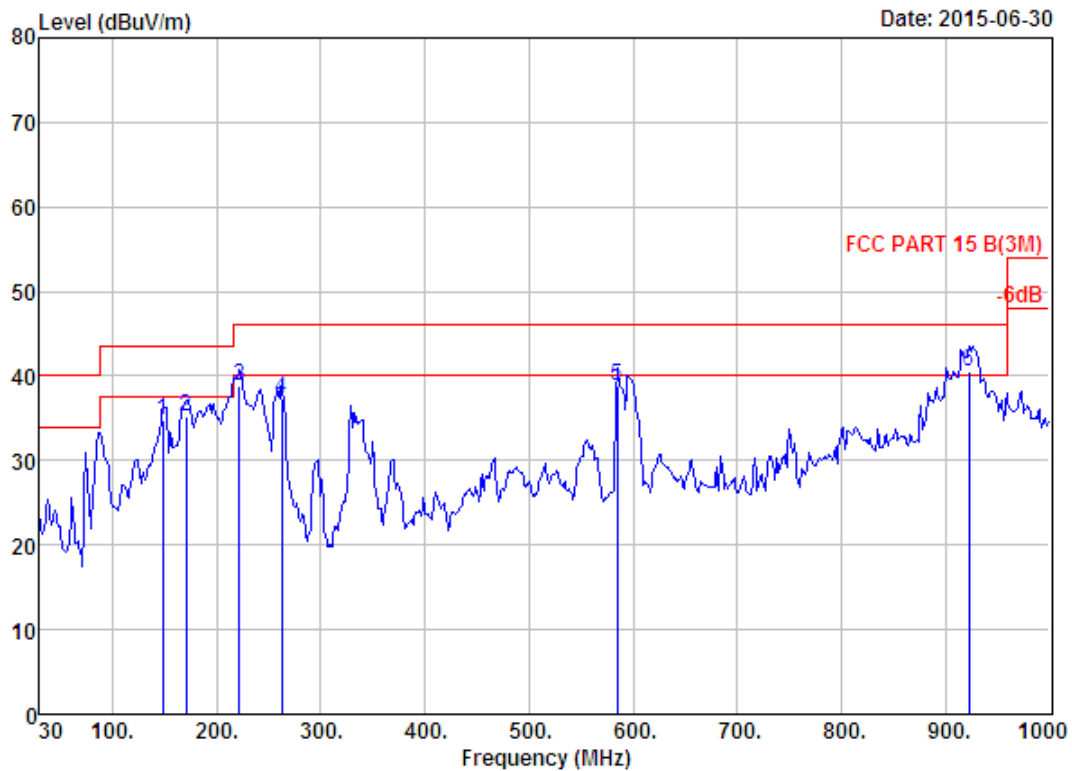
Site no. : 966 1# chamber Data no. : 462
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	24.36	33.98	43.50	9.52	QP
2	257.95	12.75	2.19	27.18	42.12	46.00	3.88	QP
3	330.70	13.88	2.44	22.20	38.52	46.00	7.48	QP
4	883.60	22.72	3.99	15.02	41.73	46.00	4.27	QP
5	898.15	23.17	4.12	12.75	40.04	46.00	5.96	QP
6	917.55	23.84	4.38	11.70	39.92	46.00	6.08	QP



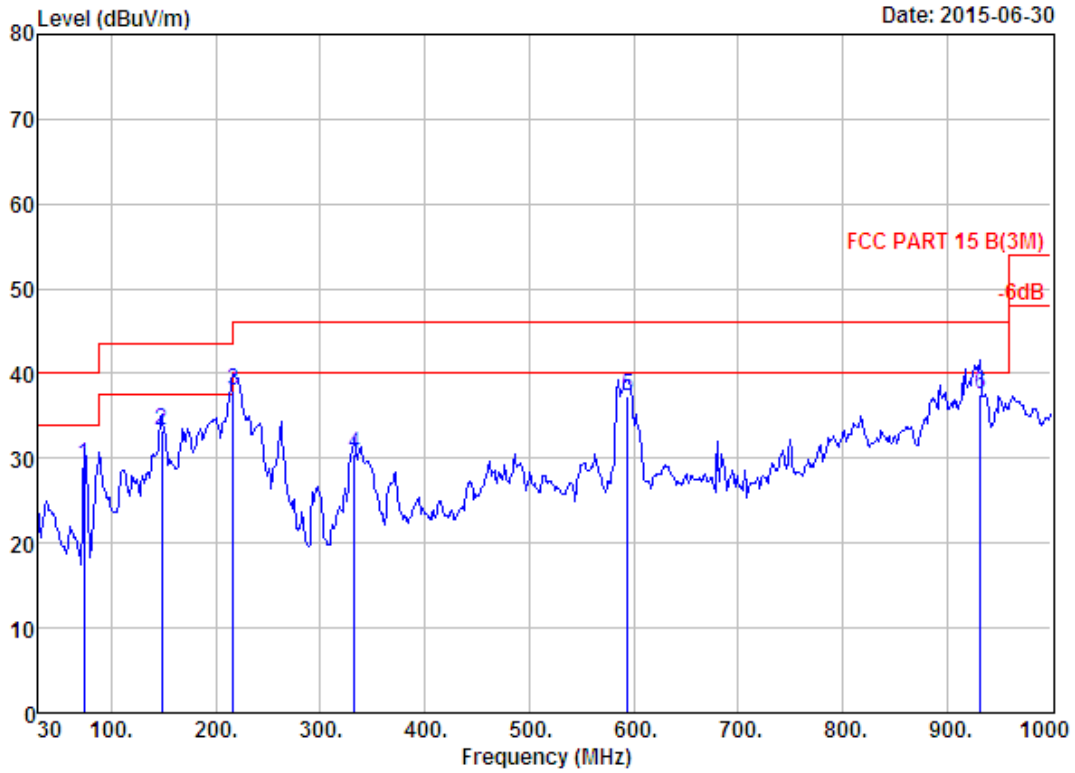
Site no. : 966 1# chamber Data no. : 463
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	224.00	9.42	2.01	28.17	39.60	46.00	6.40	QP
2	241.46	10.50	2.14	27.11	39.75	46.00	6.25	QP
3	260.86	12.96	2.22	24.42	39.60	46.00	6.40	QP
4	330.70	13.88	2.44	21.83	38.15	46.00	7.85	QP
5	883.60	22.72	3.99	14.97	41.68	46.00	4.32	QP
6	927.25	24.27	4.50	11.21	39.98	46.00	6.02	QP



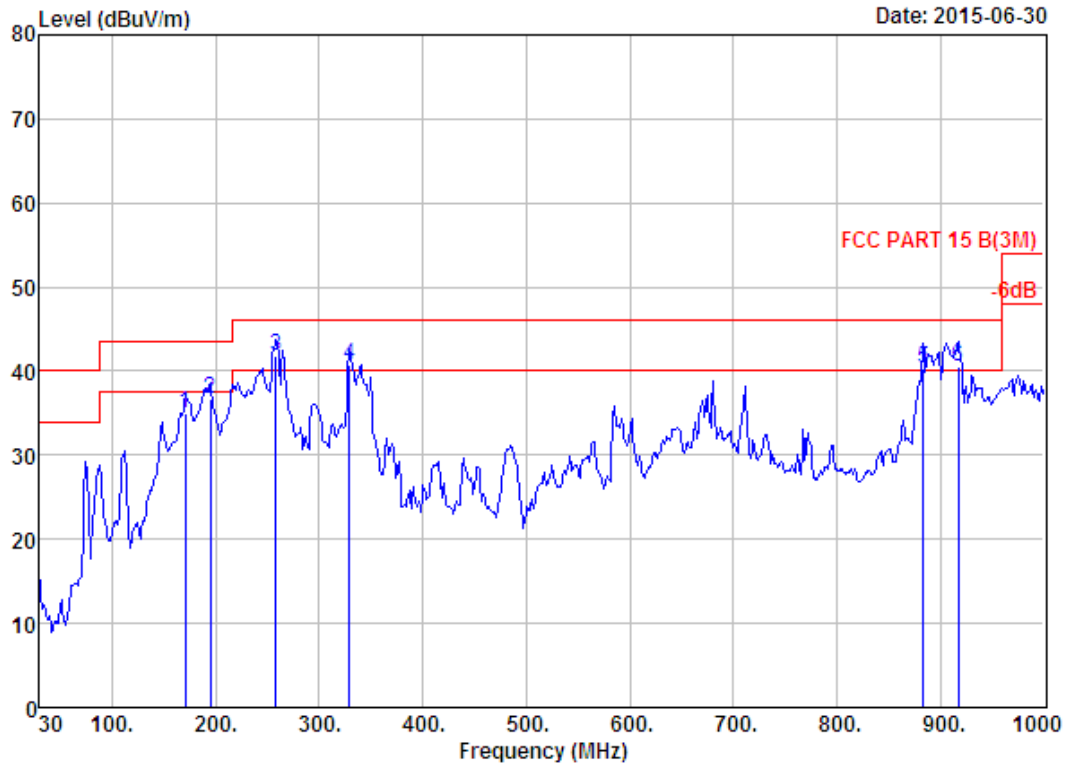
Site no. : 966 1# chamber Data no. : 464
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	22.09	34.78	43.50	8.72	QP
2	170.65	9.16	1.69	24.27	35.12	43.50	8.38	QP
3	222.06	9.31	2.01	27.44	38.76	46.00	7.24	QP
4	262.80	12.95	2.22	22.20	37.37	46.00	8.63	QP
5	584.84	19.47	3.37	16.04	38.88	46.00	7.12	QP
6	922.40	24.04	4.44	12.10	40.58	46.00	5.42	QP



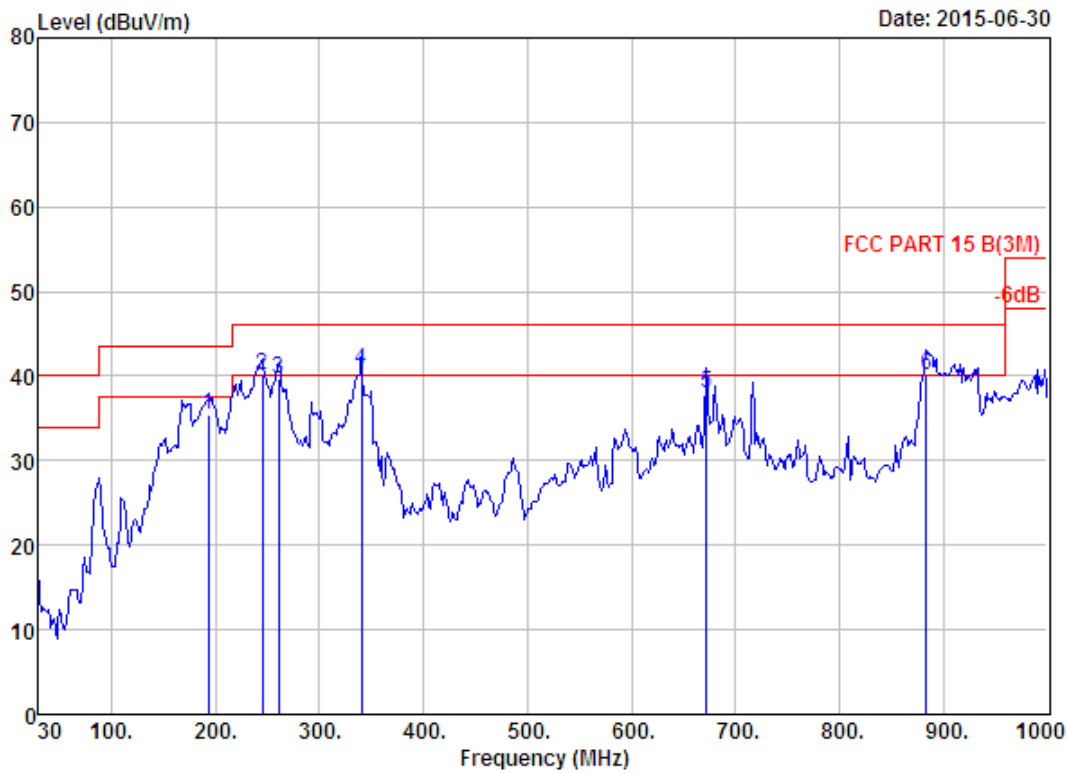
Site no. : 966 1# chamber Data no. : 465
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	73.65	6.22	1.15	21.81	29.18	40.00	10.82	QP
2	148.34	11.00	1.69	20.60	33.29	43.50	10.21	QP
3	216.24	8.80	1.95	27.25	38.00	46.00	8.00	QP
4	332.64	13.93	2.48	14.06	30.47	46.00	15.53	QP
5	594.54	19.51	3.33	14.46	37.30	46.00	8.70	QP
6	932.10	24.47	4.56	8.48	37.51	46.00	8.49	QP



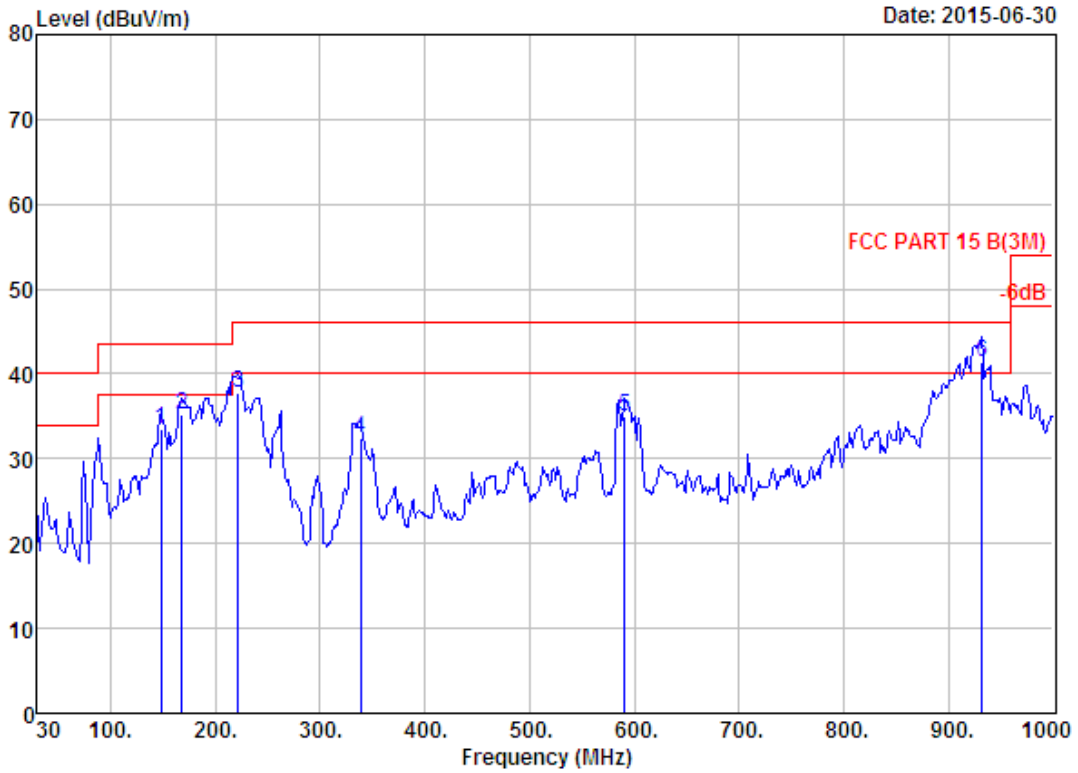
Site no. : 966 1# chamber Data no. : 466
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	170.65	9.16	1.69	24.17	35.02	43.50	8.48	QP
2	194.90	7.72	1.78	27.20	36.70	43.50	6.80	QP
3	257.95	12.75	2.19	26.81	41.75	46.00	4.25	QP
4	328.76	13.82	2.44	24.42	40.68	46.00	5.32	QP
5	883.60	22.72	3.99	13.65	40.36	46.00	5.64	QP
6	917.55	23.84	4.38	12.41	40.63	46.00	5.37	QP



Site no. : 966 1# chamber Data no. : 467
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

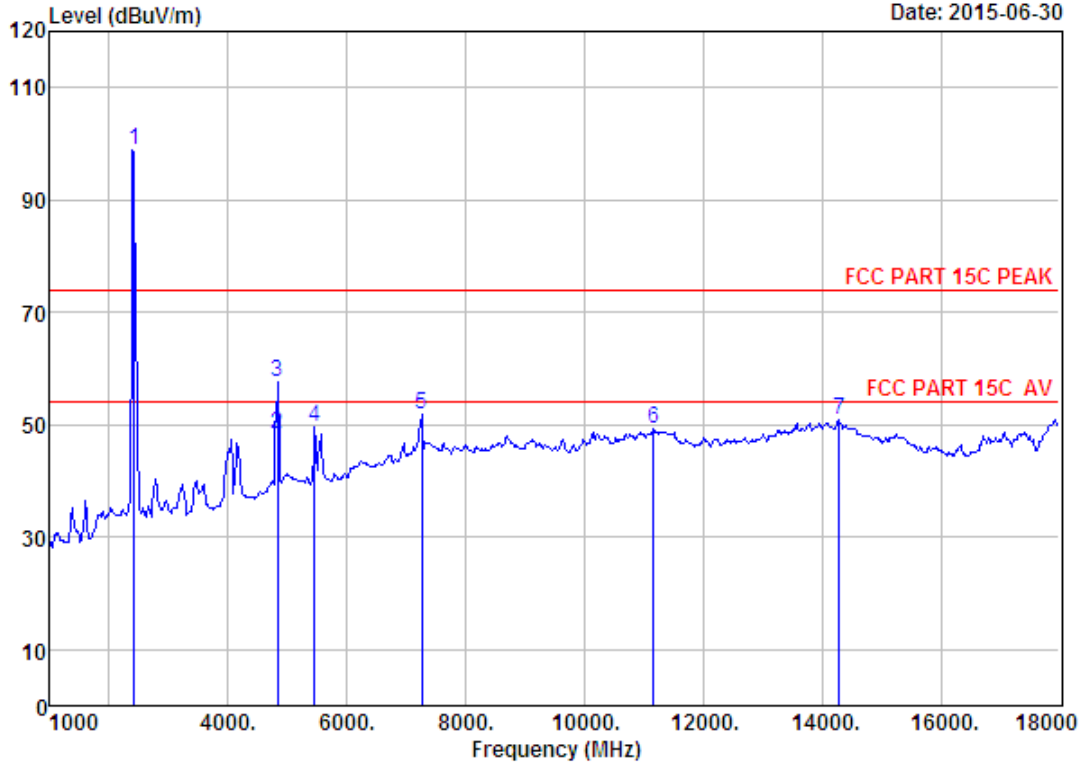
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	192.96	7.85	1.77	25.81	35.43	43.50	8.07	QP
2	245.34	11.06	2.10	26.87	40.03	46.00	5.97	QP
3	260.86	12.96	2.22	24.52	39.70	46.00	6.30	QP
4	340.40	14.16	2.51	24.12	40.79	46.00	5.21	QP
5	672.14	20.23	3.62	14.05	37.90	46.00	8.10	QP
6	883.60	22.72	3.99	13.37	40.08	46.00	5.92	QP



Site no. : 966 1# chamber Data no. : 468
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	148.34	11.00	1.69	20.86	33.55	43.50	9.95	QP
2	167.74	9.43	1.71	23.96	35.10	43.50	8.40	QP
3	222.06	9.31	2.01	26.53	37.85	46.00	8.15	QP
4	338.46	14.10	2.50	15.88	32.48	46.00	13.52	QP
5	590.66	19.45	3.37	12.22	35.04	46.00	10.96	QP
6	932.10	24.47	4.56	12.34	41.37	46.00	4.63	QP

1000-18000 MHz

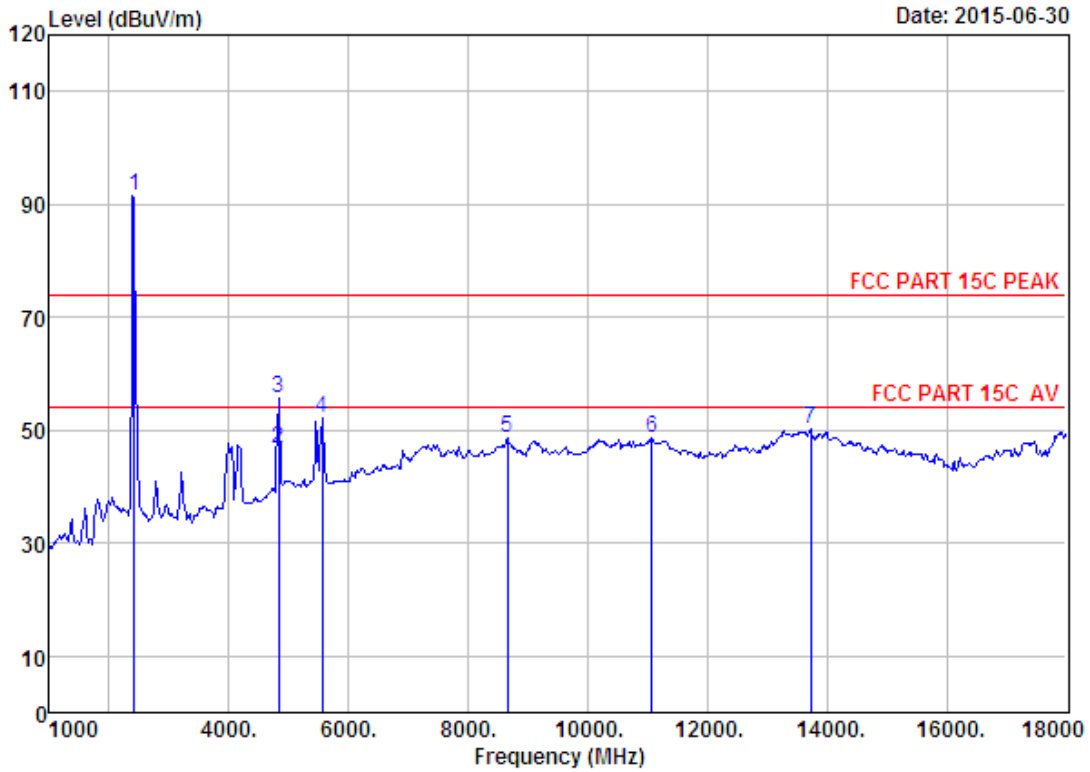


Site no. : 1# 966 chamber Data no. : 357
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna a

	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	2412.00	27.60	6.64	34.64	99.28	98.88	74.00	-24.88	Peak
2	4824.00	31.28	11.84	35.66	41.01	48.47	54.00	5.53	Average
3	4824.00	31.28	11.84	35.66	50.01	57.47	74.00	16.53	Peak
4	5454.00	31.83	12.05	35.90	41.65	49.63	74.00	24.37	Peak
5	7256.00	36.53	11.55	34.02	37.86	51.92	74.00	22.08	Peak
6	11166.00	39.41	11.17	33.31	31.95	49.22	74.00	24.78	Peak
7	14294.00	41.71	10.92	33.42	31.52	50.73	74.00	23.27	Peak

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



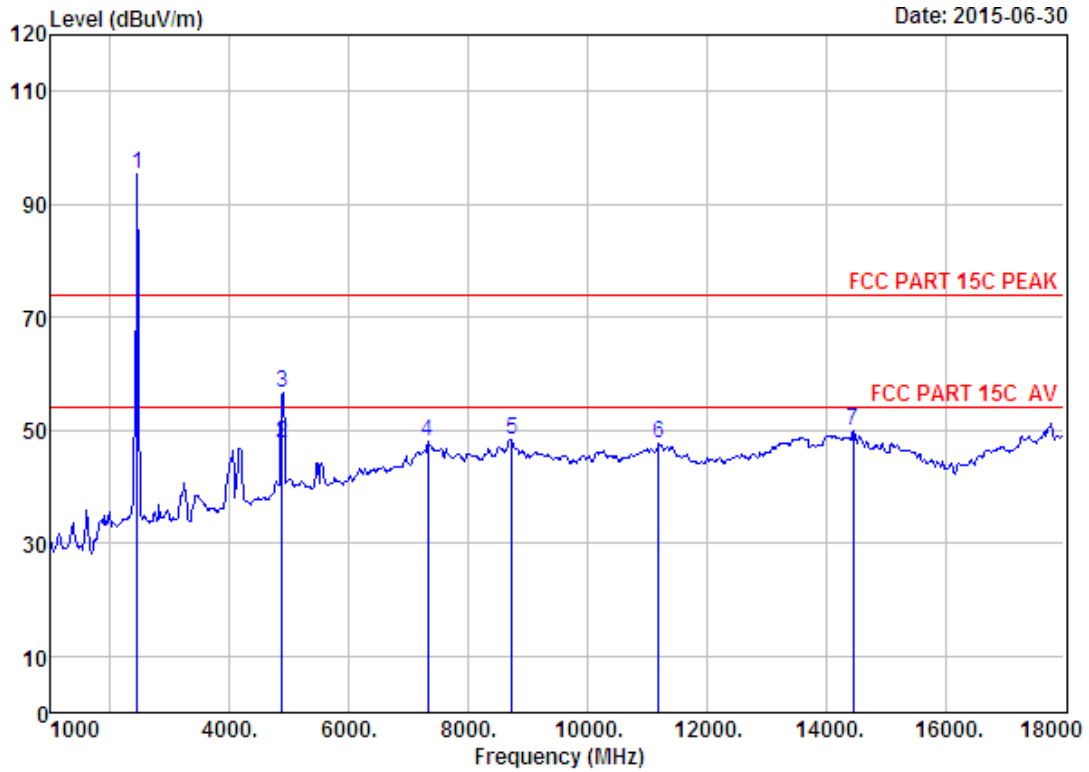


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Site no.       : 1# 966 chamber          Data no.  : 358
Dis. / Ant.   : 3m  ANT 1-18G          Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : LED TV
Power         : AC 120V/60Hz
M/N           : WD65NC4190
Test Mode     : IEEE 802.11b CH1 2412TX
                Antenna a
    
```

	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	2412.00	27.60	6.64	34.64	91.82	91.42	74.00	-17.42	Peak
2	4824.00	31.28	11.84	35.66	39.11	46.57	54.00	7.43	Average
3	4824.00	31.28	11.84	35.66	48.10	55.56	74.00	18.44	Peak
4	5556.00	31.97	12.00	36.07	44.27	52.17	74.00	21.83	Peak
5	8650.00	37.27	11.45	33.68	33.73	48.77	74.00	25.23	Peak
6	11064.00	39.48	11.24	33.83	31.65	48.54	74.00	25.46	Peak
7	13733.00	40.74	11.22	32.98	31.13	50.11	74.00	23.89	Peak

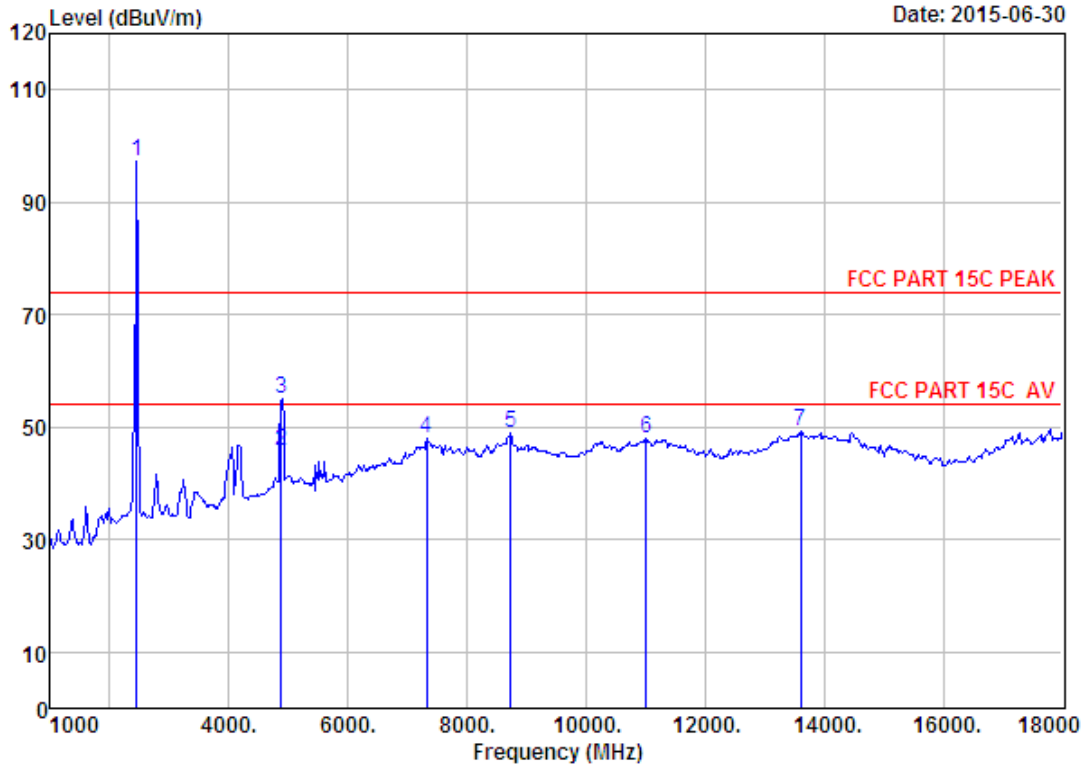
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 361
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	95.92	95.34	74.00	-21.34	Peak
2	4884.00	31.37	12.07	35.82	40.03	47.65	54.00	6.35	Average
3	4884.00	31.37	12.07	35.82	49.07	56.69	74.00	17.31	Peak
4	7324.00	36.55	11.57	34.14	33.95	47.93	74.00	26.07	Peak
5	8735.00	37.40	11.45	33.76	33.28	48.37	74.00	25.63	Peak
6	11200.00	39.39	11.14	33.24	30.29	47.58	74.00	26.42	Peak
7	14464.00	41.85	10.93	33.45	30.72	50.05	74.00	23.95	Peak

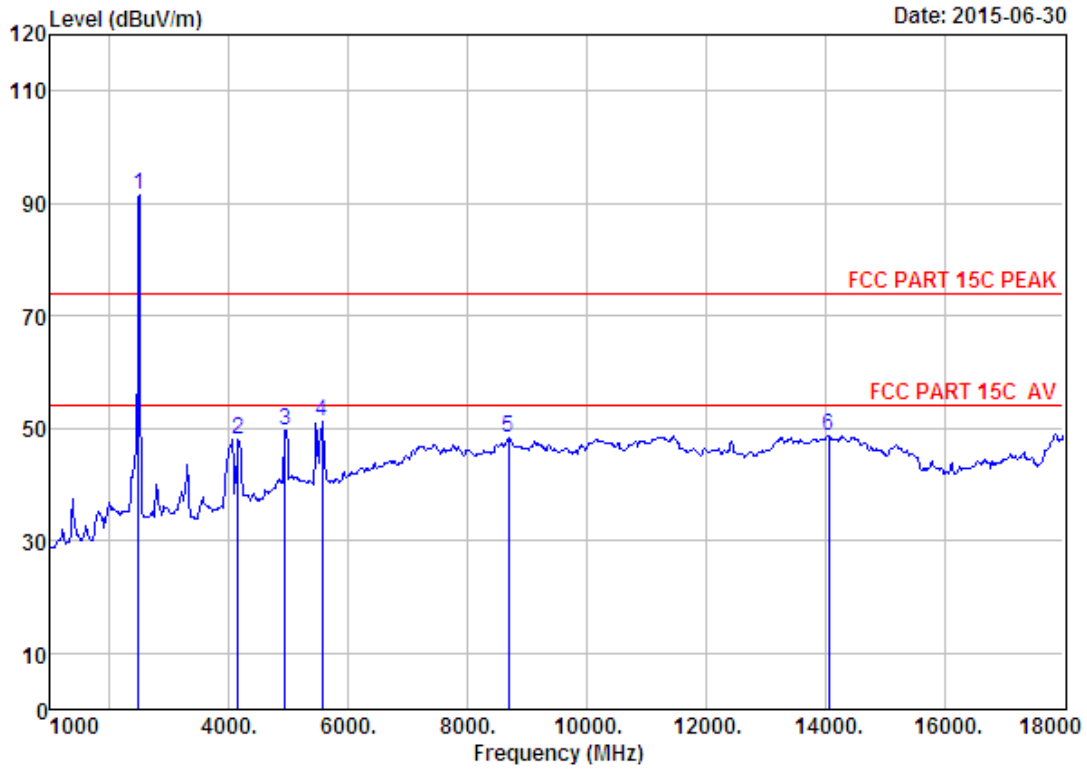
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 362
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	97.72	97.14	74.00	-23.14	Peak
2	4884.00	31.37	12.07	35.82	38.23	45.85	54.00	8.15	Average
3	4884.00	31.37	12.07	35.82	47.45	55.07	74.00	18.93	Peak
4	7324.00	36.55	11.57	34.14	33.95	47.93	74.00	26.07	Peak
5	8735.00	37.40	11.45	33.76	33.74	48.83	74.00	25.17	Peak
6	11013.00	39.51	11.28	34.05	31.37	48.11	74.00	25.89	Peak
7	13614.00	40.40	11.36	32.68	30.18	49.26	74.00	24.74	Peak

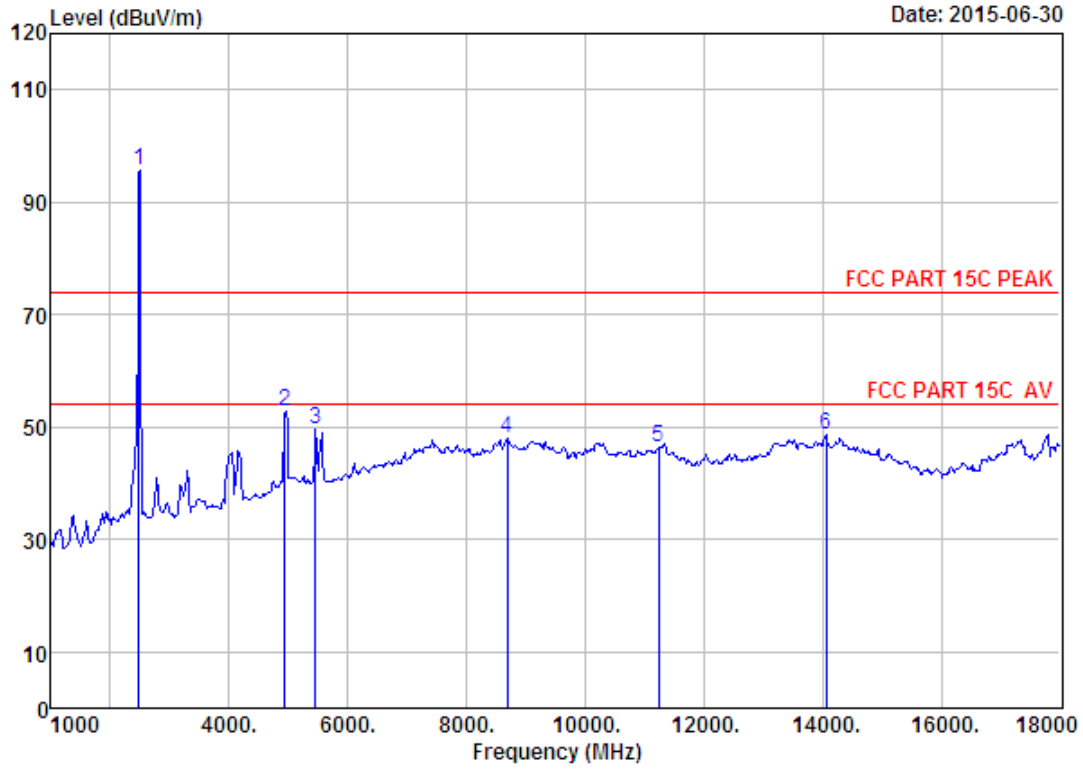
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 363
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	92.34	91.52	74.00	-17.52	Peak
2	4145.00	29.88	10.75	35.98	43.46	48.11	74.00	25.89	Peak
3	4944.00	31.47	12.37	35.96	41.71	49.59	74.00	24.41	Peak
4	5556.00	31.97	12.00	36.07	43.45	51.35	74.00	22.65	Peak
5	8684.00	37.32	11.45	33.66	33.32	48.43	74.00	25.57	Peak
6	14056.00	41.51	10.90	33.06	29.38	48.73	74.00	25.27	Peak

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

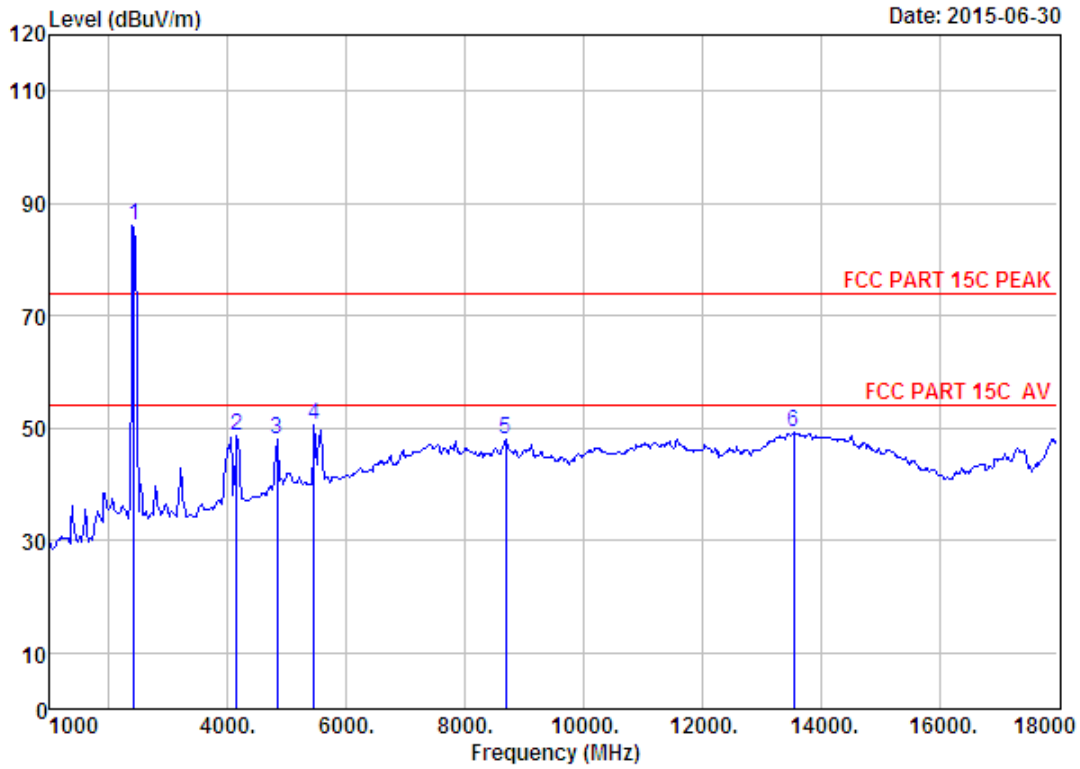


Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 364
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	96.47	95.65	74.00	-21.65	Peak
2	4944.00	31.47	12.37	35.96	44.83	52.71	74.00	21.29	Peak
3	5454.00	31.83	12.05	35.90	41.59	49.57	74.00	24.43	Peak
4	8684.00	37.32	11.45	33.66	32.90	48.01	74.00	25.99	Peak
5	11234.00	39.37	11.12	33.25	29.27	46.51	74.00	27.49	Peak
6	14056.00	41.51	10.90	33.06	29.17	48.52	74.00	25.48	Peak

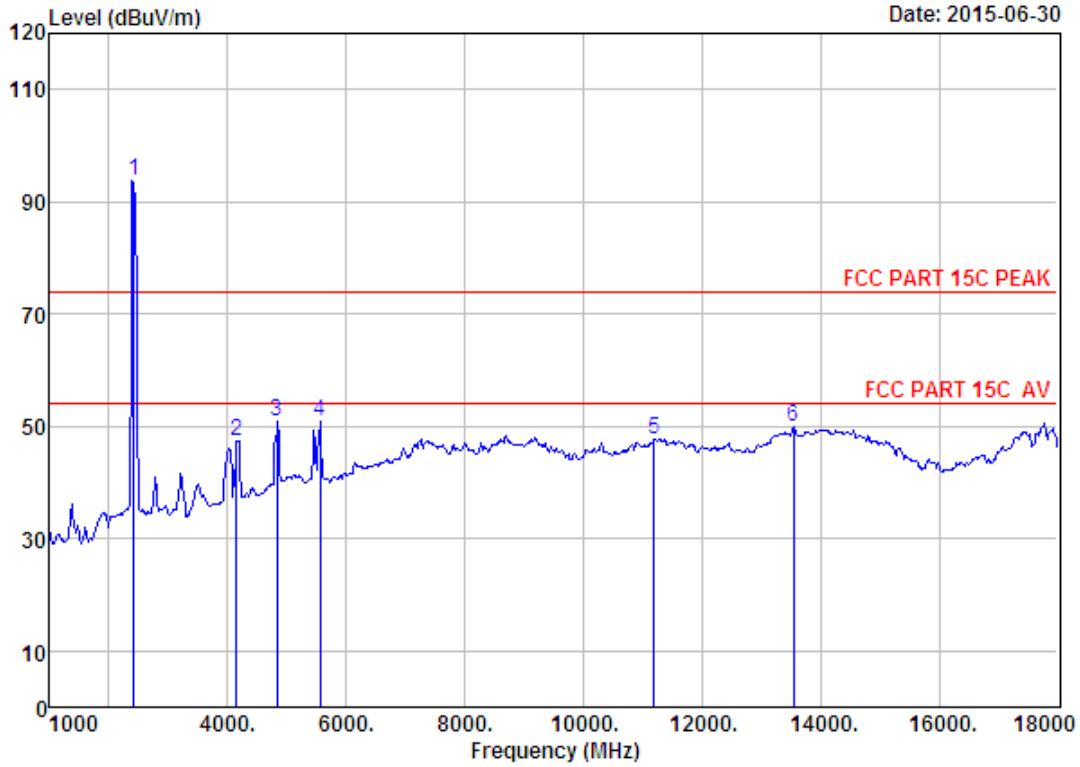
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 367
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	2412.00	27.60	6.64	34.64	86.53	86.13	74.00	-12.13	Peak
2	4145.00	29.88	10.75	35.98	44.10	48.75	74.00	25.25	Peak
3	4824.00	31.28	11.84	35.66	40.50	47.96	74.00	26.04	Peak
4	5454.00	31.83	12.05	35.90	42.50	50.48	74.00	23.52	Peak
5	8684.00	37.32	11.45	33.66	32.98	48.09	74.00	25.91	Peak
6	13546.00	40.21	11.44	32.61	30.24	49.28	74.00	24.72	Peak

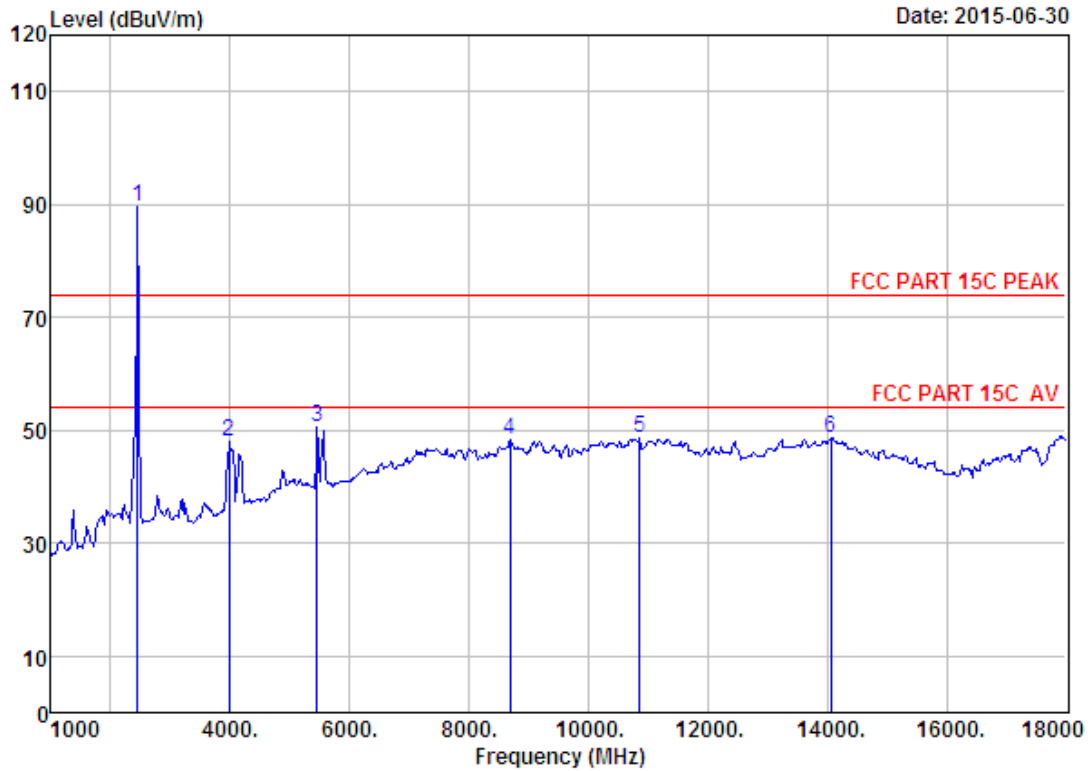
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 368
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	2412.00	27.60	6.64	34.64	94.10	93.70	74.00	-19.70	Peak
2	4145.00	29.88	10.75	35.98	42.76	47.41	74.00	26.59	Peak
3	4824.00	31.28	11.84	35.66	43.44	50.90	74.00	23.10	Peak
4	5556.00	31.97	12.00	36.07	42.89	50.79	74.00	23.21	Peak
5	11200.00	39.39	11.14	33.24	30.33	47.62	74.00	26.38	Peak
6	13546.00	40.21	11.44	32.61	30.75	49.79	74.00	24.21	Peak

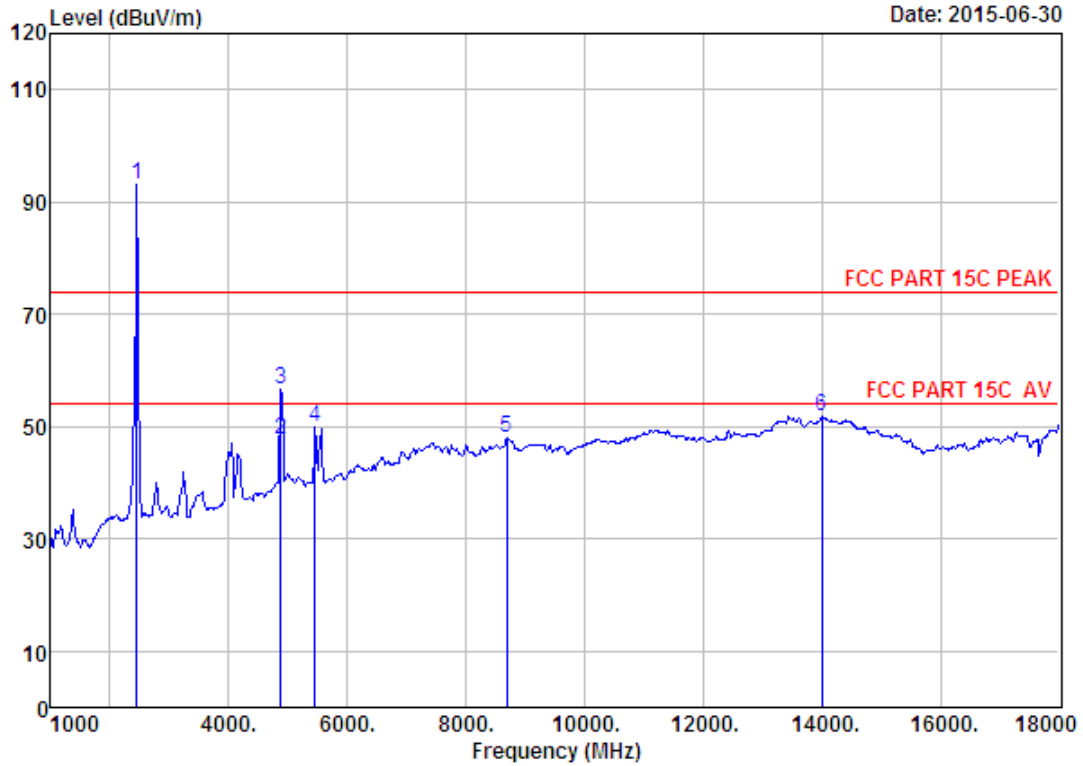
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 371
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	90.05	89.47	74.00	-15.47	Peak
2	3975.00	29.60	10.81	36.42	44.02	48.01	74.00	25.99	Peak
3	5454.00	31.83	12.05	35.90	42.47	50.45	74.00	23.55	Peak
4	8684.00	37.32	11.45	33.66	33.22	48.33	74.00	25.67	Peak
5	10860.00	39.37	11.30	34.03	31.89	48.53	74.00	25.47	Peak
6	14056.00	41.51	10.90	33.06	29.43	48.78	74.00	25.22	Peak

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



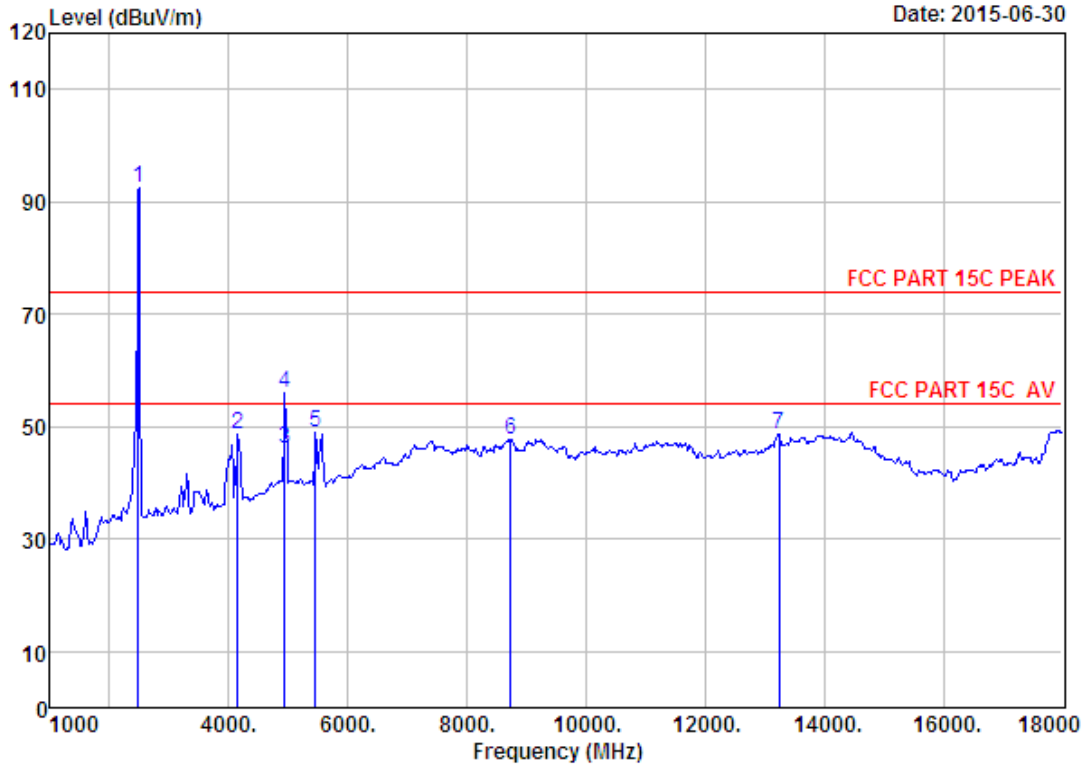
Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 372
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	93.59	93.01	74.00	-19.01	Peak
2	4884.00	31.37	12.07	35.82	40.03	47.65	54.00	6.35	Average
3	4884.00	31.37	12.07	35.82	49.15	56.77	74.00	17.23	Peak
4	5454.00	31.83	12.05	35.90	42.02	50.00	74.00	24.00	Peak
5	8684.00	37.32	11.45	33.66	32.78	47.89	74.00	26.11	Peak
6	14005.00	41.46	10.90	33.01	32.41	51.76	74.00	22.24	Peak

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

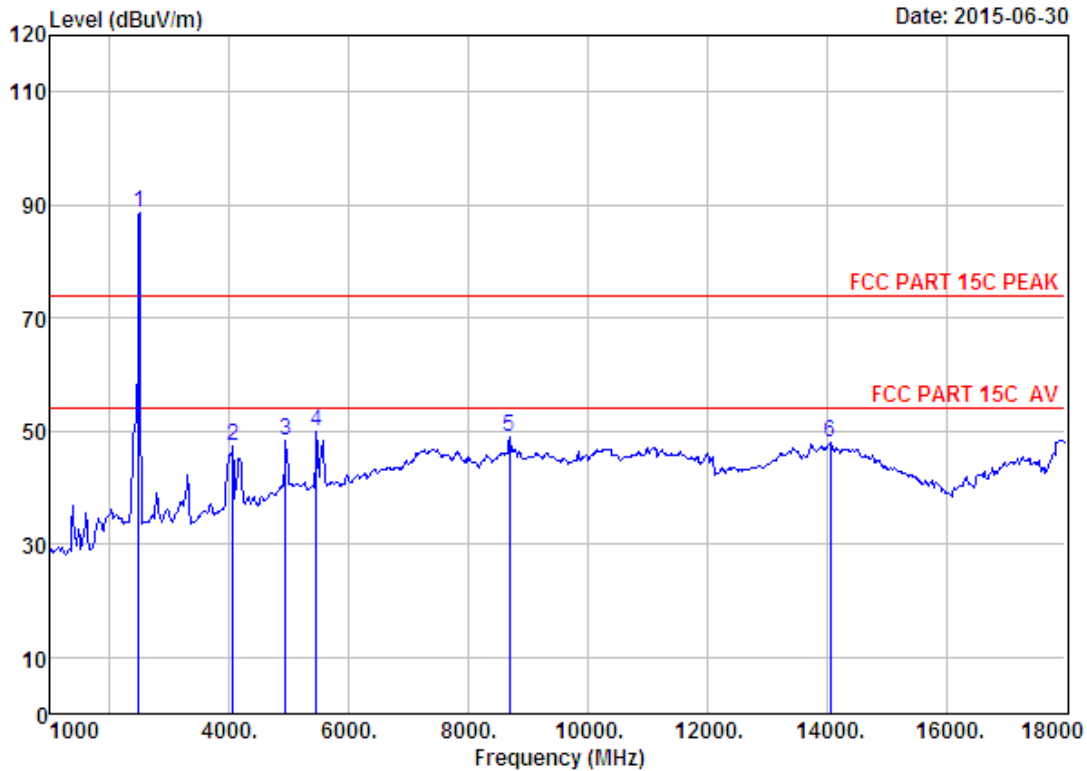




Site no. : 1# 966 chamber Data no. : 373
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	93.23	92.41	74.00	-18.41	Peak
2	4145.00	29.88	10.75	35.98	43.83	48.48	74.00	25.52	Peak
3	4944.00	31.47	12.37	35.96	38.11	45.99	54.00	8.01	Average
4	4944.00	31.47	12.37	35.96	48.05	55.93	74.00	18.07	Peak
5	5454.00	31.83	12.05	35.90	40.94	48.92	74.00	25.08	Peak
6	8735.00	37.40	11.45	33.76	32.67	47.76	74.00	26.24	Peak
7	13240.00	39.46	11.46	32.88	30.75	48.79	74.00	25.21	Peak

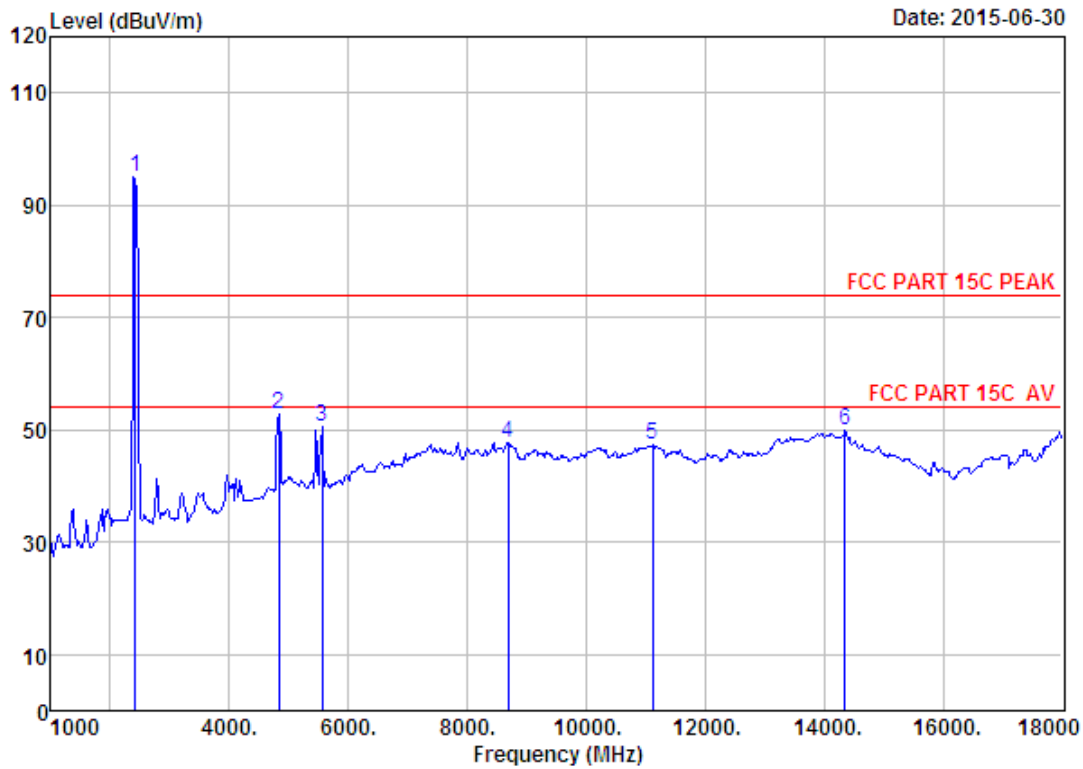
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 374
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	89.36	88.54	74.00	-14.54	Peak
2	4060.00	29.77	10.83	36.18	42.83	47.25	74.00	26.75	Peak
3	4944.00	31.47	12.37	35.96	40.40	48.28	74.00	25.72	Peak
4	5454.00	31.83	12.05	35.90	42.02	50.00	74.00	24.00	Peak
5	8684.00	37.32	11.45	33.66	33.76	48.87	74.00	25.13	Peak
6	14056.00	41.51	10.90	33.06	28.76	48.11	74.00	25.89	Peak

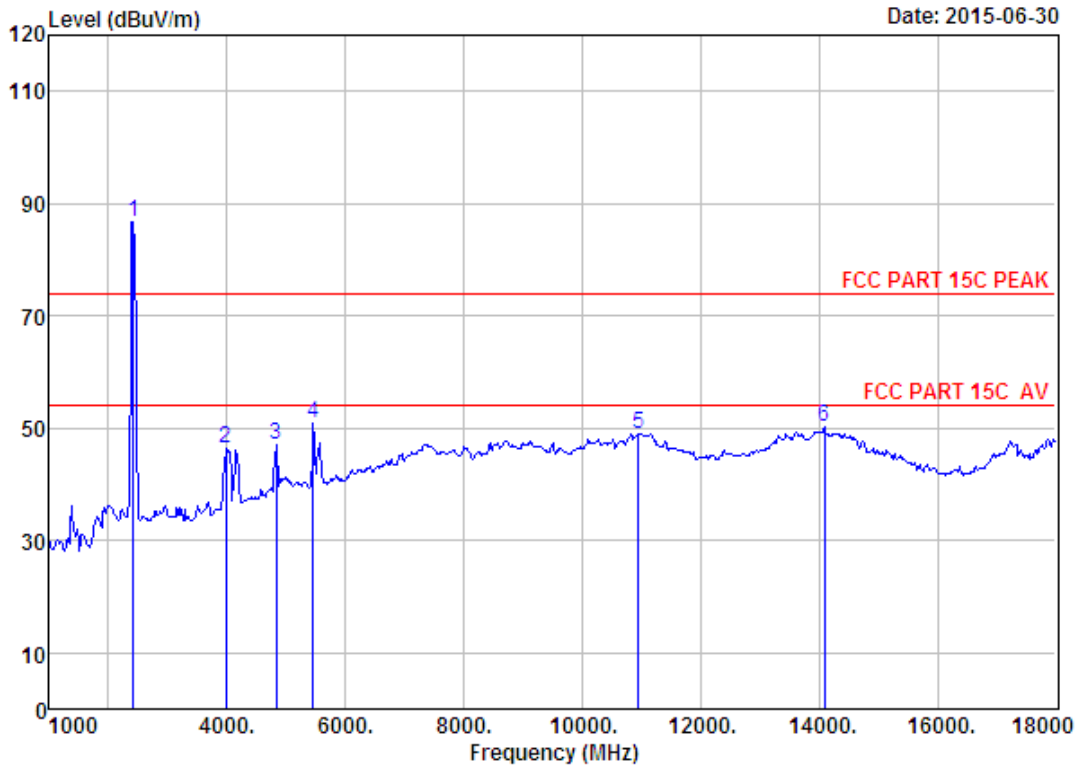
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 377
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	2412.00	27.60	6.64	34.64	95.38	94.98	74.00	-20.98	Peak
2	4824.00	31.28	11.84	35.66	45.26	52.72	74.00	21.28	Peak
3	5556.00	31.97	12.00	36.07	42.77	50.67	74.00	23.33	Peak
4	8684.00	37.32	11.45	33.66	32.72	47.83	74.00	26.17	Peak
5	11115.00	39.44	11.20	33.55	30.12	47.21	74.00	26.79	Peak
6	14345.00	41.76	10.92	33.39	30.60	49.89	74.00	24.11	Peak

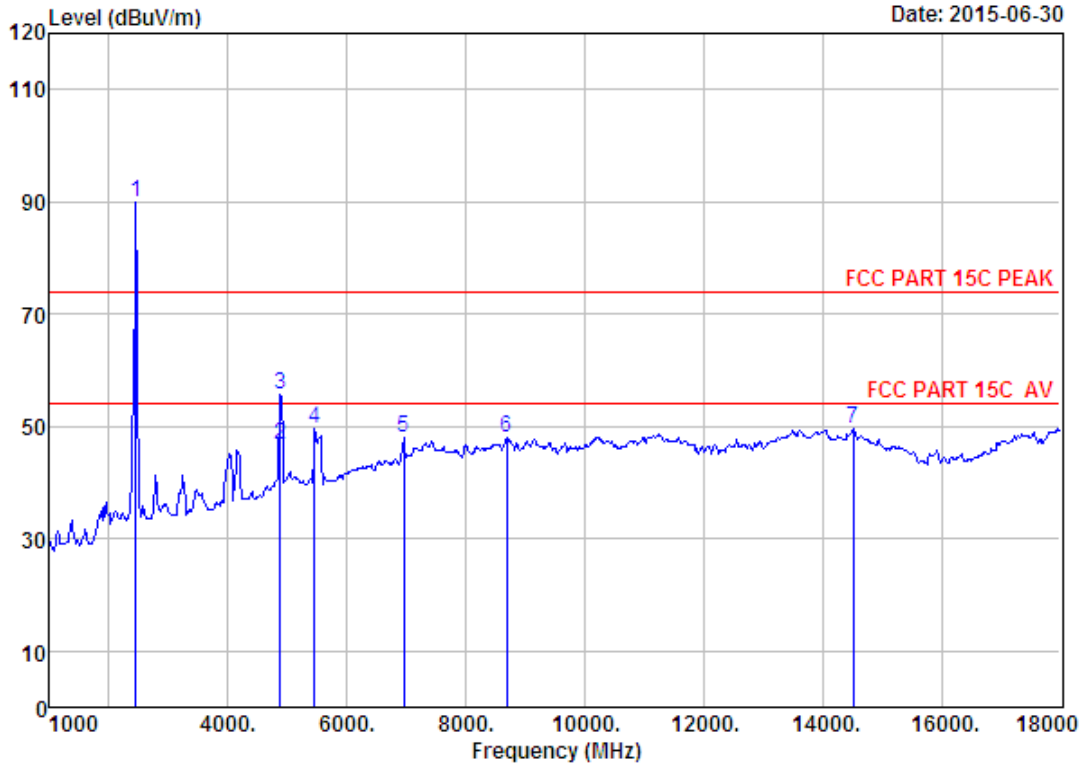
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 378
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	2412.00	27.60	6.64	34.64	87.25	86.85	74.00	-12.85	Peak
2	3975.00	29.60	10.81	36.42	42.47	46.46	74.00	27.54	Peak
3	4824.00	31.28	11.84	35.66	39.71	47.17	74.00	26.83	Peak
4	5454.00	31.83	12.05	35.90	42.92	50.90	74.00	23.10	Peak
5	10945.00	39.46	11.29	34.13	32.48	49.10	74.00	24.90	Peak
6	14090.00	41.54	10.91	33.13	30.87	50.19	74.00	23.81	Peak

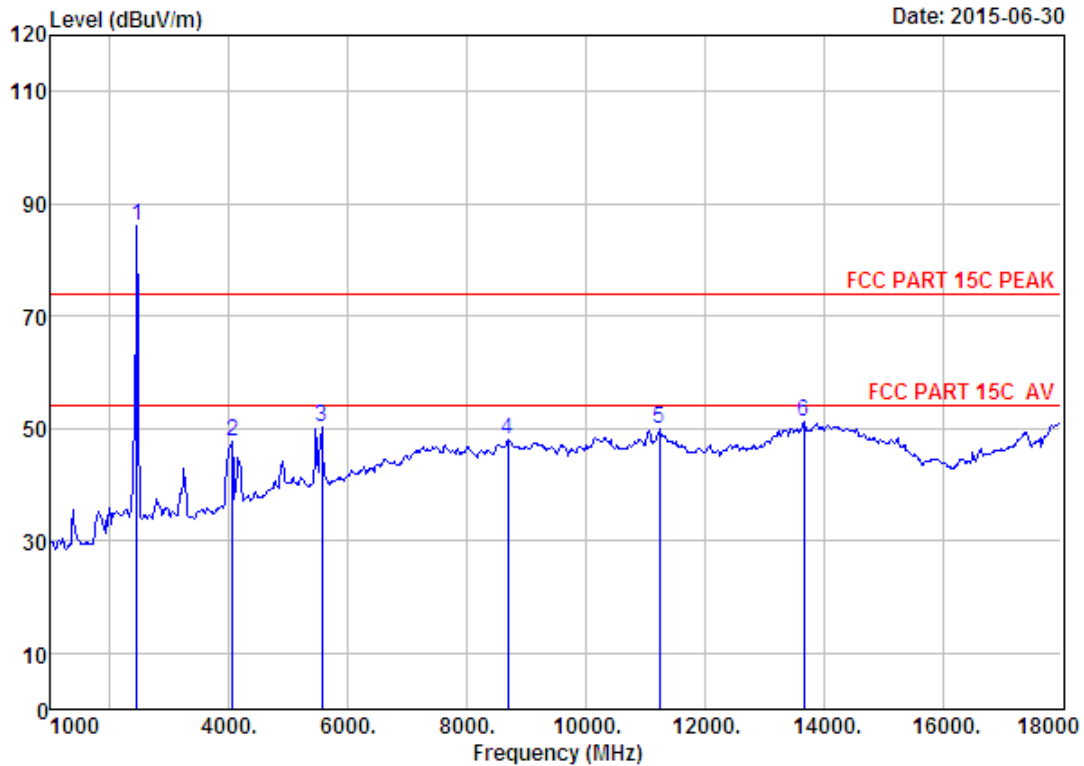
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 381
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	90.52	89.94	74.00	-15.94	Peak
2	4884.00	31.37	12.07	35.82	39.22	46.84	54.00	7.16	Average
3	4884.00	31.37	12.07	35.82	48.10	55.72	74.00	18.28	Peak
4	5454.00	31.83	12.05	35.90	41.55	49.53	74.00	24.47	Peak
5	6950.00	35.29	11.56	34.34	35.60	48.11	74.00	25.89	Peak
6	8684.00	37.32	11.45	33.66	32.83	47.94	74.00	26.06	Peak
7	14515.00	41.89	10.93	33.57	30.29	49.54	74.00	24.46	Peak

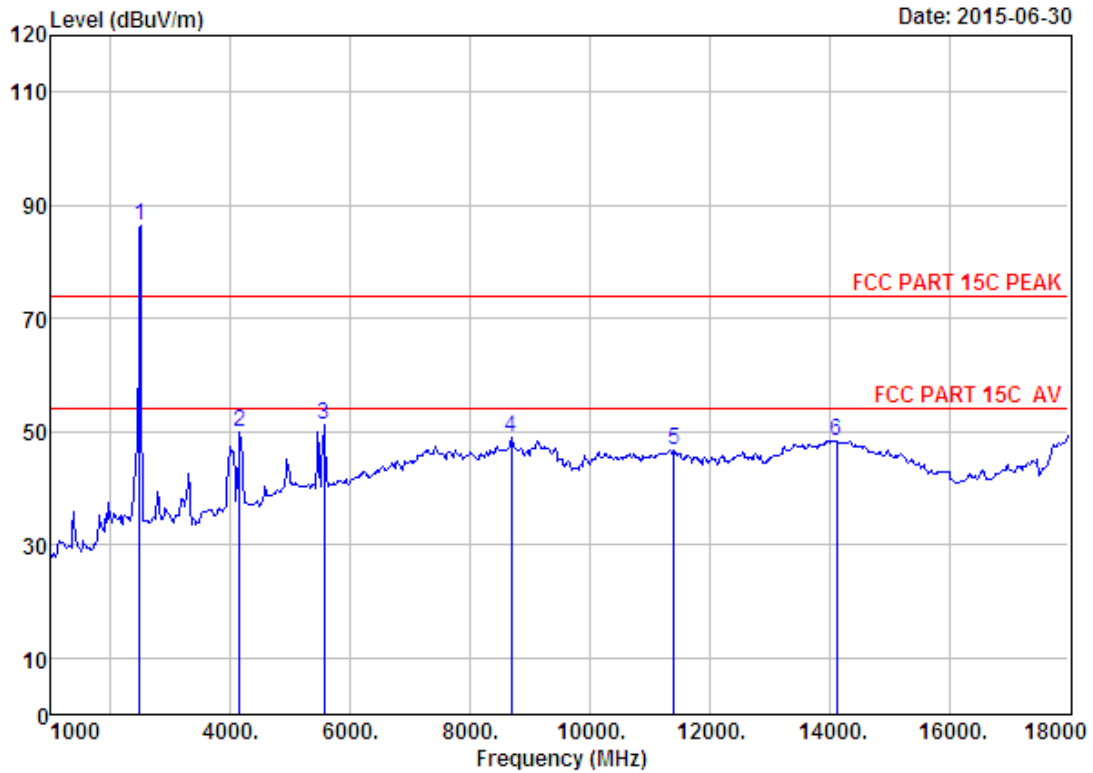
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 382
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	86.64	86.06	74.00	-12.06	Peak
2	4060.00	29.77	10.83	36.18	43.35	47.77	74.00	26.23	Peak
3	5556.00	31.97	12.00	36.07	42.49	50.39	74.00	23.61	Peak
4	8684.00	37.32	11.45	33.66	32.95	48.06	74.00	25.94	Peak
5	11234.00	39.37	11.12	33.25	32.65	49.89	74.00	24.11	Peak
6	13665.00	40.55	11.30	32.75	32.08	51.18	74.00	22.82	Peak

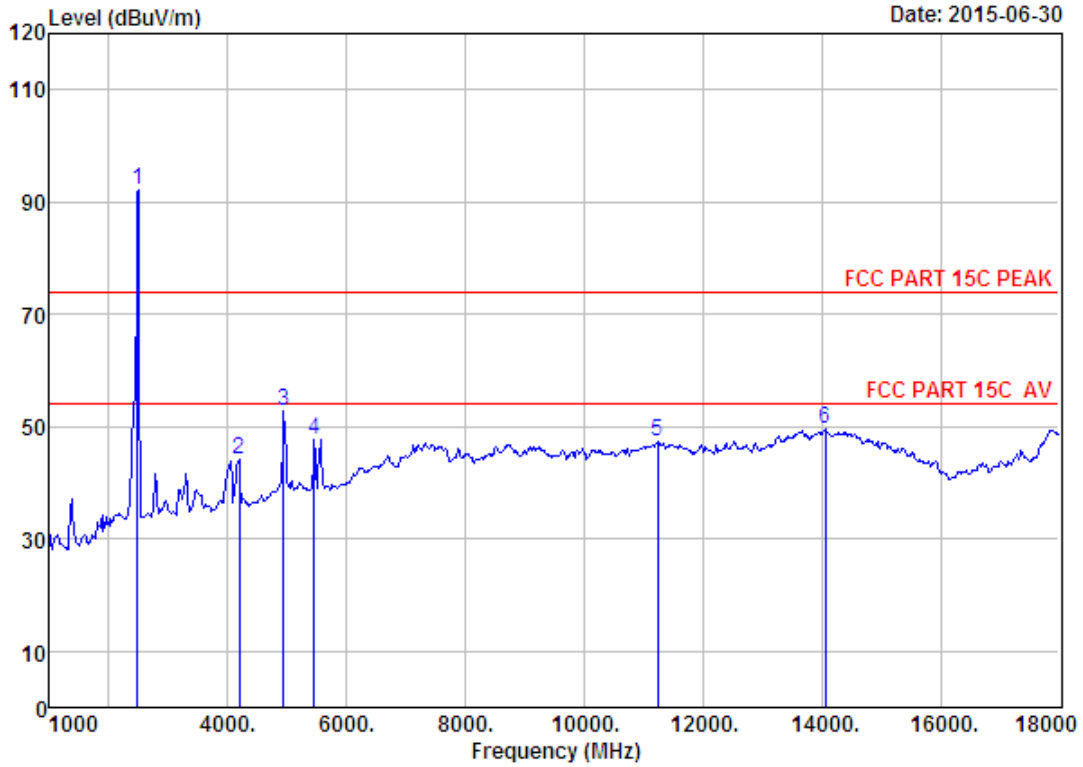
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 383
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	87.22	86.40	74.00	-12.40	Peak
2	4145.00	29.88	10.75	35.98	45.11	49.76	74.00	24.24	Peak
3	5556.00	31.97	12.00	36.07	43.19	51.09	74.00	22.91	Peak
4	8684.00	37.32	11.45	33.66	33.84	48.95	74.00	25.05	Peak
5	11404.00	39.25	10.99	33.57	30.01	46.68	74.00	27.32	Peak
6	14124.00	41.57	10.91	33.22	29.17	48.43	74.00	25.57	Peak

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

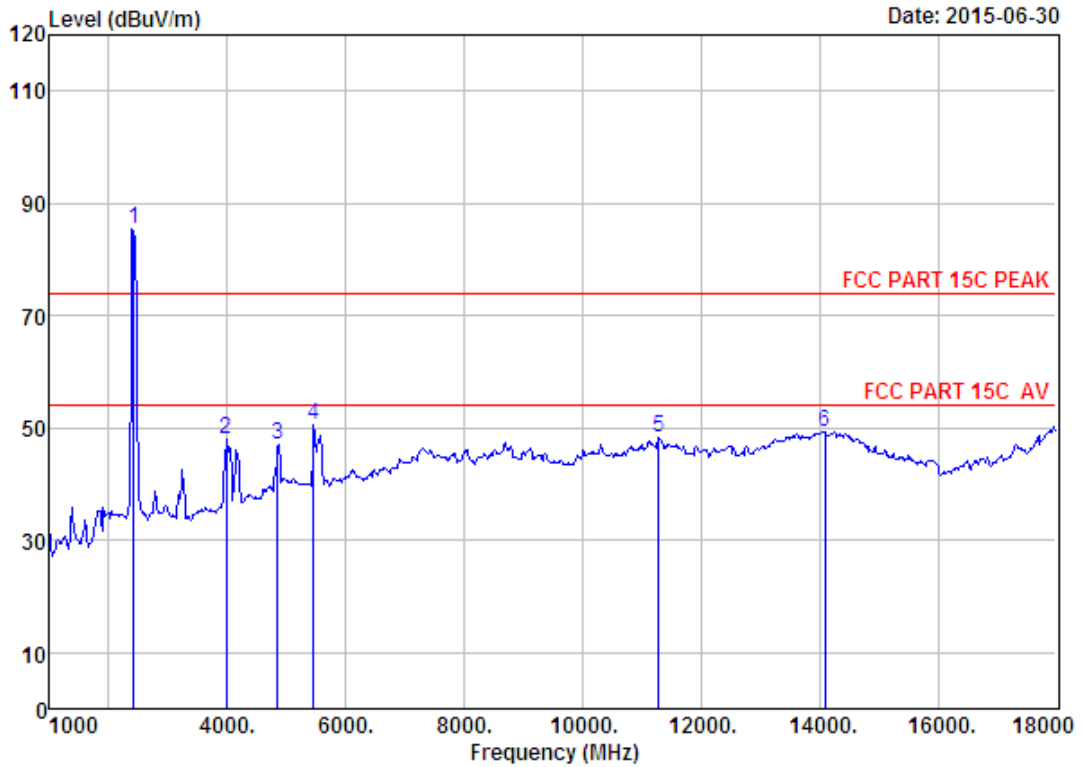


Site no. : 1# 966 chamber Data no. : 384
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	93.13	92.31	74.00	-18.31	Peak
2	4196.00	29.95	10.70	35.87	39.49	44.27	74.00	29.73	Peak
3	4944.00	31.47	12.37	35.96	44.83	52.71	74.00	21.29	Peak
4	5454.00	31.83	12.05	35.90	39.83	47.81	74.00	26.19	Peak
5	11234.00	39.37	11.12	33.25	30.21	47.45	74.00	26.55	Peak
6	14056.00	41.51	10.90	33.06	30.22	49.57	74.00	24.43	Peak

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

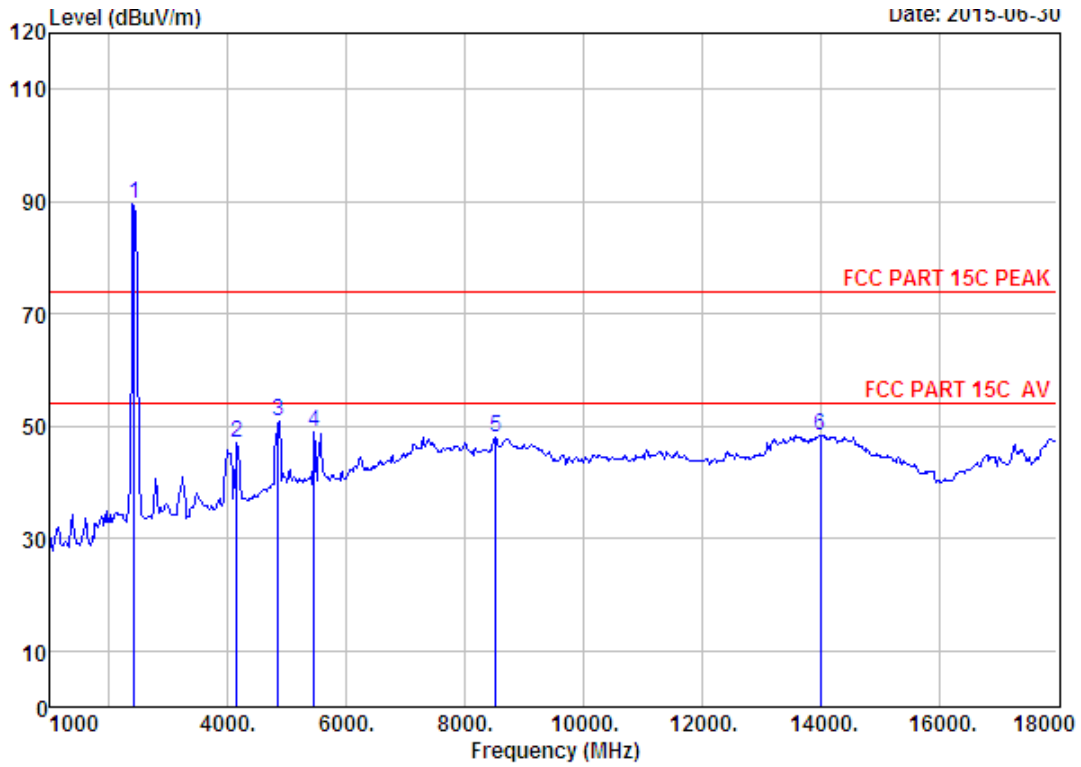




Site no. : 1# 966 chamber Data no. : 387
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	2422.00	27.60	6.66	34.74	86.03	85.55	74.00	-11.55	Peak
2	3975.00	29.60	10.81	36.42	43.91	47.90	74.00	26.10	Peak
3	4844.00	31.31	11.92	35.68	39.43	46.98	74.00	27.02	Peak
4	5454.00	31.83	12.05	35.90	42.43	50.41	74.00	23.59	Peak
5	11285.00	39.33	11.08	33.32	31.26	48.35	74.00	25.65	Peak
6	14090.00	41.54	10.91	33.13	29.99	49.31	74.00	24.69	Peak

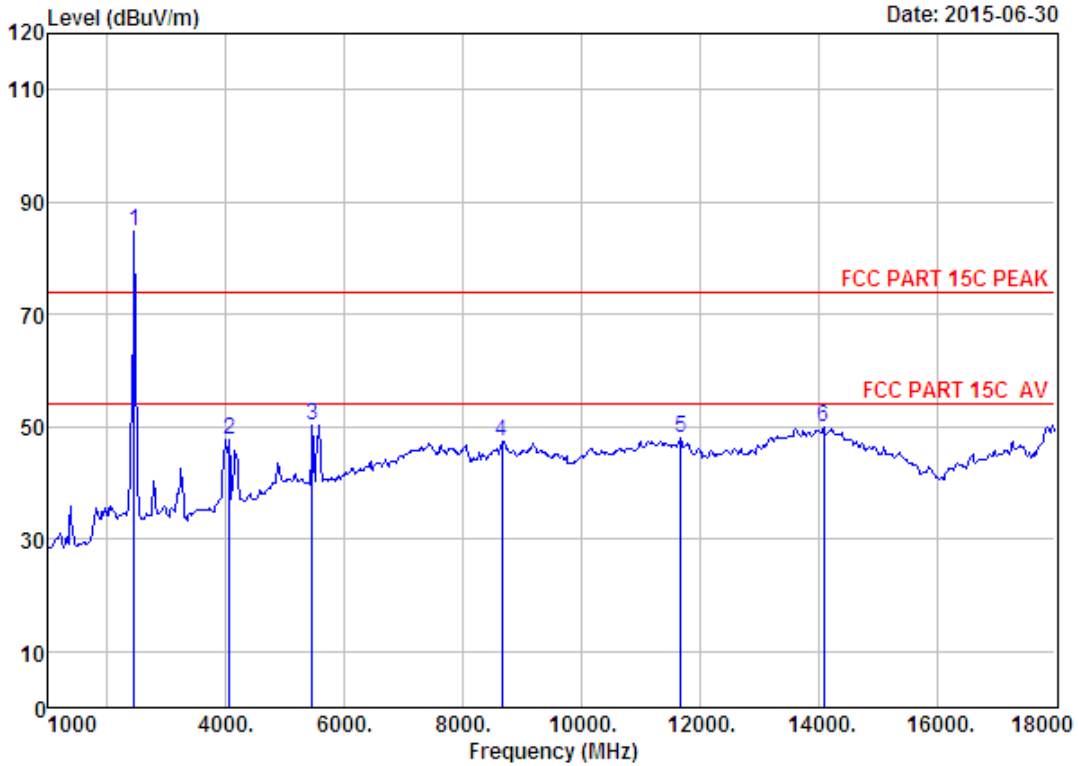
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 388
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	2422.00	27.60	6.66	34.74	90.05	89.57	74.00	-15.57	Peak
2	4145.00	29.88	10.75	35.98	42.53	47.18	74.00	26.82	Peak
3	4844.00	31.31	11.92	35.68	43.45	51.00	74.00	23.00	Peak
4	5454.00	31.83	12.05	35.90	41.08	49.06	74.00	24.94	Peak
5	8514.00	36.96	11.45	34.07	33.80	48.14	74.00	25.86	Peak
6	14005.00	41.46	10.90	33.01	29.09	48.44	74.00	25.56	Peak

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

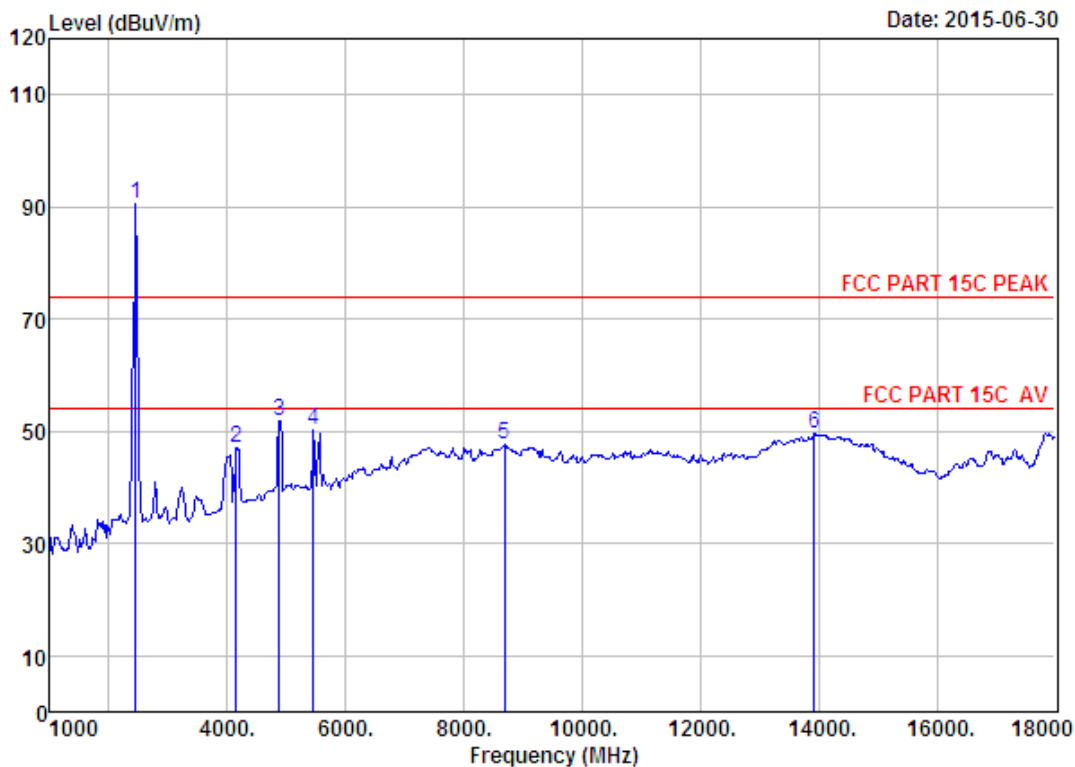


Site no. : 1# 966 chamber Data no. : 391
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	85.45	84.87	74.00	-10.87	Peak
2	4060.00	29.77	10.83	36.18	43.26	47.68	74.00	26.32	Peak
3	5454.00	31.83	12.05	35.90	42.22	50.20	74.00	23.80	Peak
4	8650.00	37.27	11.45	33.68	32.25	47.29	74.00	26.71	Peak
5	11676.00	39.00	11.09	33.24	31.23	48.08	74.00	25.92	Peak
6	14090.00	41.54	10.91	33.13	30.70	50.02	74.00	23.98	Peak

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



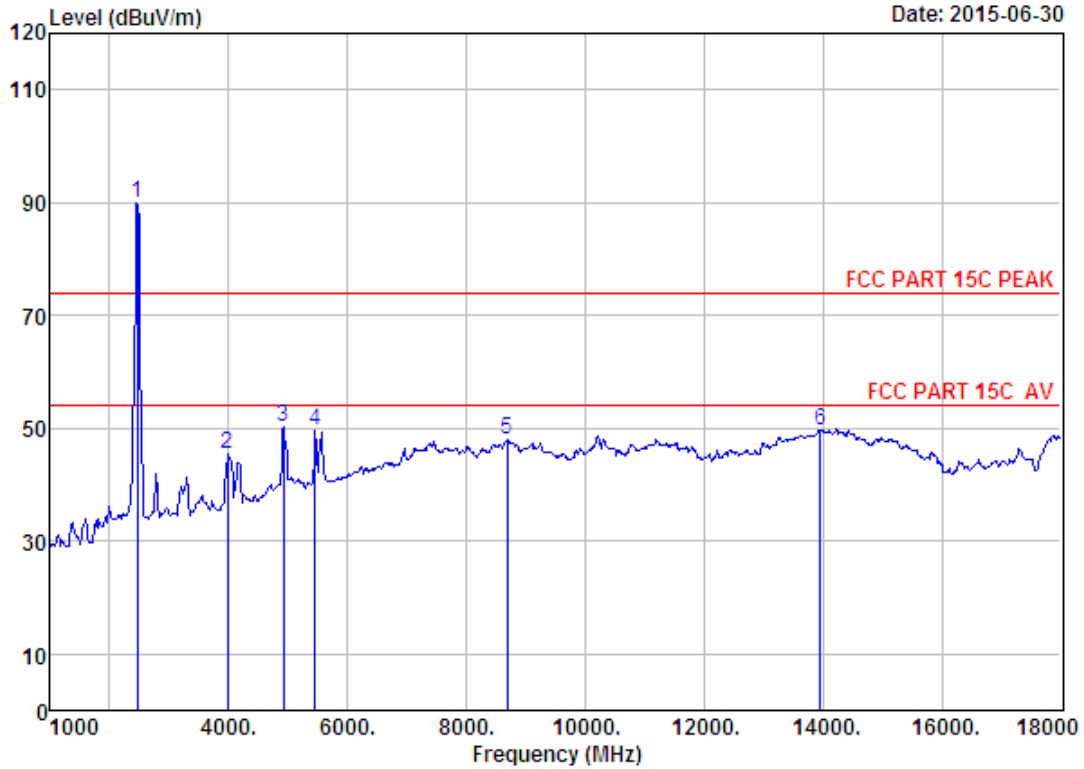


Site no. : 1# 966 chamber Data no. : 392
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	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	2442.00	27.60	6.67	34.85	91.01	90.43	74.00	-16.43	Peak
2	4145.00	29.88	10.75	35.98	42.43	47.08	74.00	26.92	Peak
3	4884.00	31.37	12.07	35.82	44.38	52.00	74.00	22.00	Peak
4	5454.00	31.83	12.05	35.90	42.33	50.31	74.00	23.69	Peak
5	8684.00	37.32	11.45	33.66	32.49	47.60	74.00	26.40	Peak
6	13920.00	41.26	11.00	33.00	30.35	49.61	74.00	24.39	Peak

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



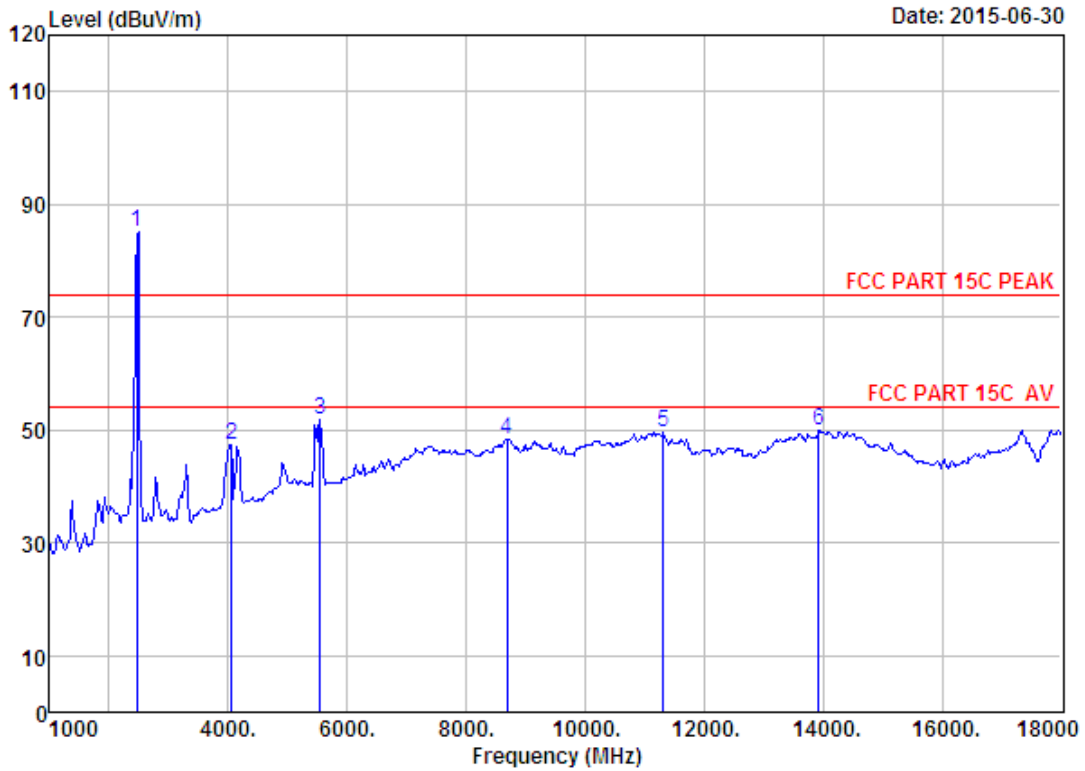


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Site no.       : 1# 966 chamber           Data no.   : 393
Dis. / Ant.   : 3m ANT 1-18G           Ant. pol.  : VERTICAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : LED TV
Power         : AC 120V/60Hz
M/N          : WD65NC4190
Test Mode     : IEEE 802.11n HT40 CH9 2462TX
                Antenna a
    
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	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.98	90.70	89.99	74.00	-15.99	Peak
2	3975.00	29.60	10.81	36.42	41.42	45.41	74.00	28.59	Peak
3	4924.00	31.45	12.29	35.91	42.35	50.18	74.00	23.82	Peak
4	5454.00	31.83	12.05	35.90	41.66	49.64	74.00	24.36	Peak
5	8684.00	37.32	11.45	33.66	32.83	47.94	74.00	26.06	Peak
6	13954.00	41.35	10.96	32.99	30.43	49.75	74.00	24.25	Peak

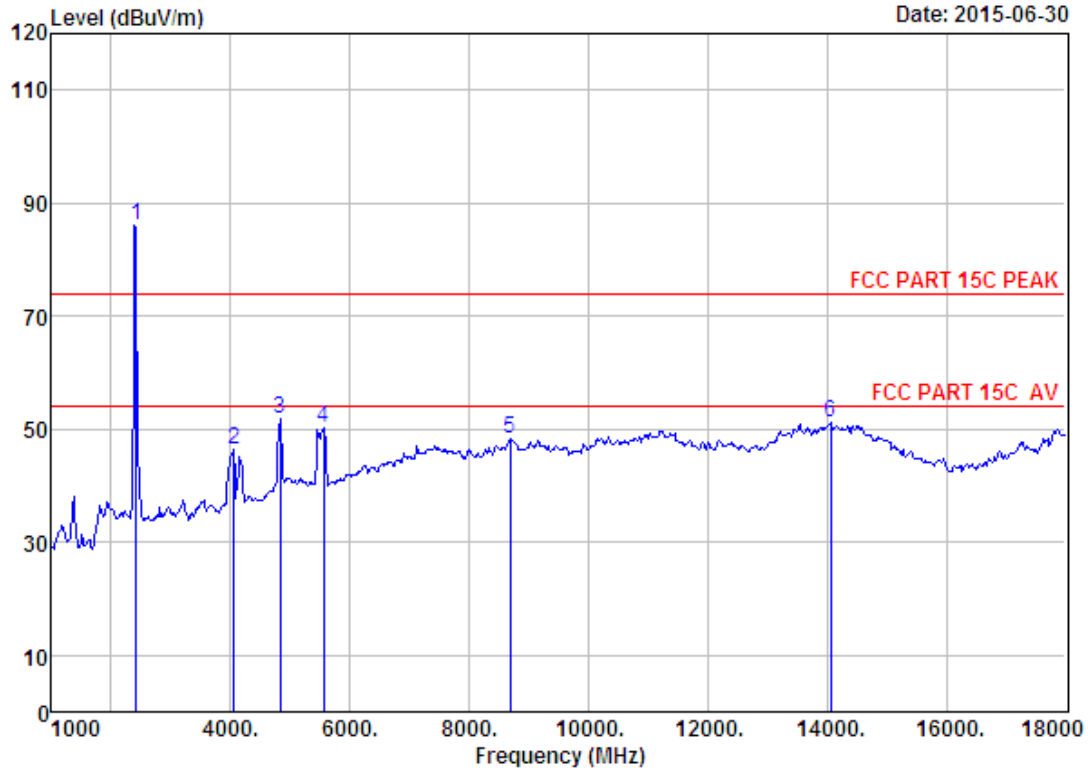
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 394
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.98	85.92	85.21	74.00	-11.21	Peak
2	4060.00	29.77	10.83	36.18	43.04	47.46	74.00	26.54	Peak
3	5539.00	31.95	12.00	36.06	44.01	51.90	74.00	22.10	Peak
4	8684.00	37.32	11.45	33.66	33.36	48.47	74.00	25.53	Peak
5	11319.00	39.31	11.06	33.39	32.59	49.57	74.00	24.43	Peak
6	13920.00	41.26	11.00	33.00	30.57	49.83	74.00	24.17	Peak

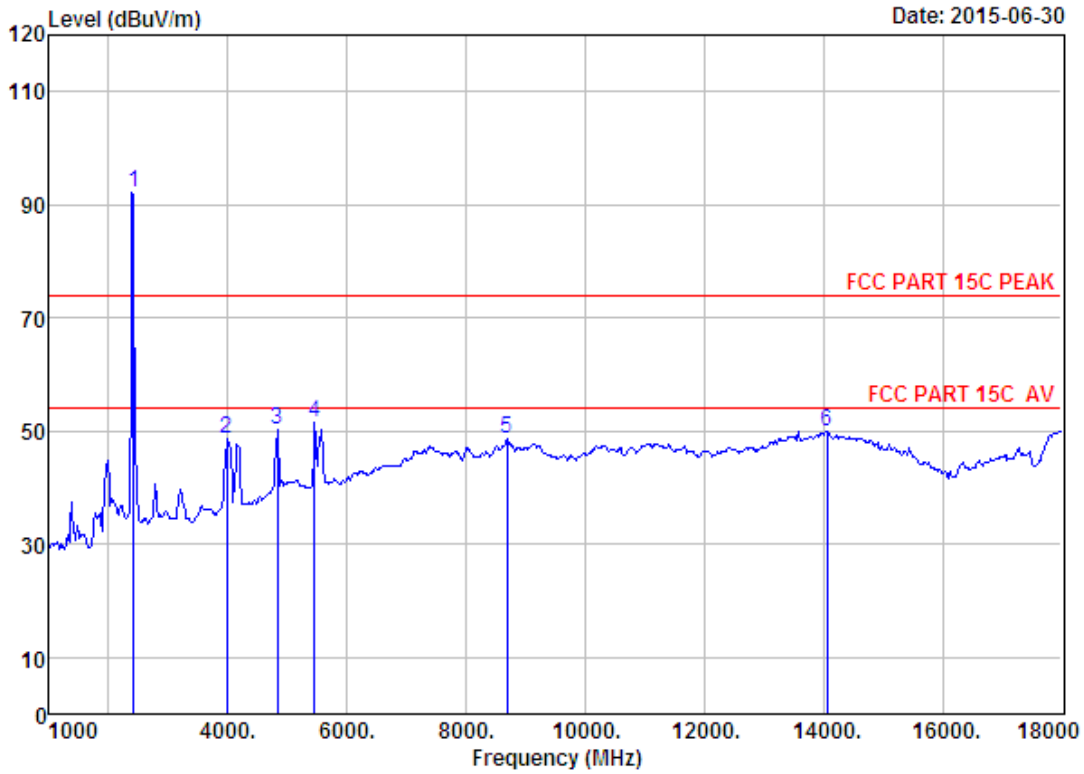
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 469
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	86.45	86.05	74.00	-12.05	Peak
2	4060.00	29.77	10.83	36.18	41.95	46.37	74.00	27.63	Peak
3	4824.00	31.28	11.84	35.66	44.53	51.99	74.00	22.01	Peak
4	5556.00	31.97	12.00	36.07	42.26	50.16	74.00	23.84	Peak
5	8684.00	37.32	11.45	33.66	33.28	48.39	74.00	25.61	Peak
6	14056.00	41.51	10.90	33.06	31.73	51.08	74.00	22.92	Peak

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

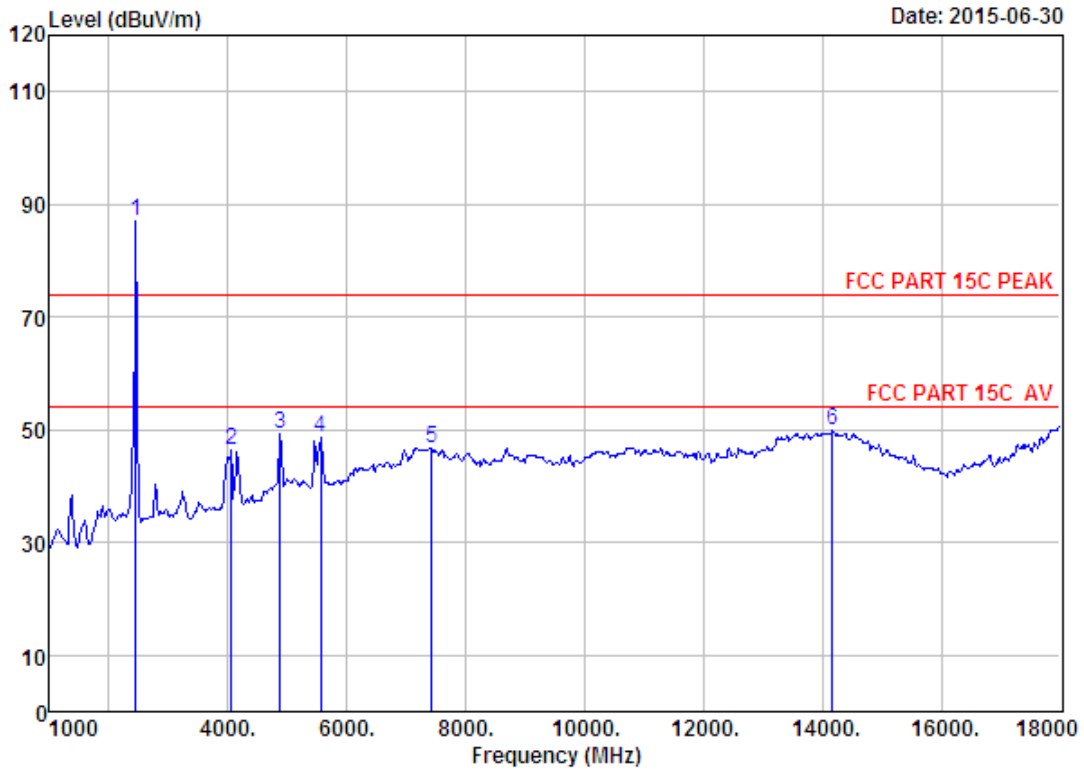


Site no. : 1# 966 chamber Data no. : 470
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	92.44	92.04	74.00	-18.04	Peak
2	3975.00	29.60	10.81	36.42	44.68	48.67	74.00	25.33	Peak
3	4824.00	31.28	11.84	35.66	42.90	50.36	74.00	23.64	Peak
4	5454.00	31.83	12.05	35.90	43.56	51.54	74.00	22.46	Peak
5	8684.00	37.32	11.45	33.66	33.43	48.54	74.00	25.46	Peak
6	14056.00	41.51	10.90	33.06	30.66	50.01	74.00	23.99	Peak

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

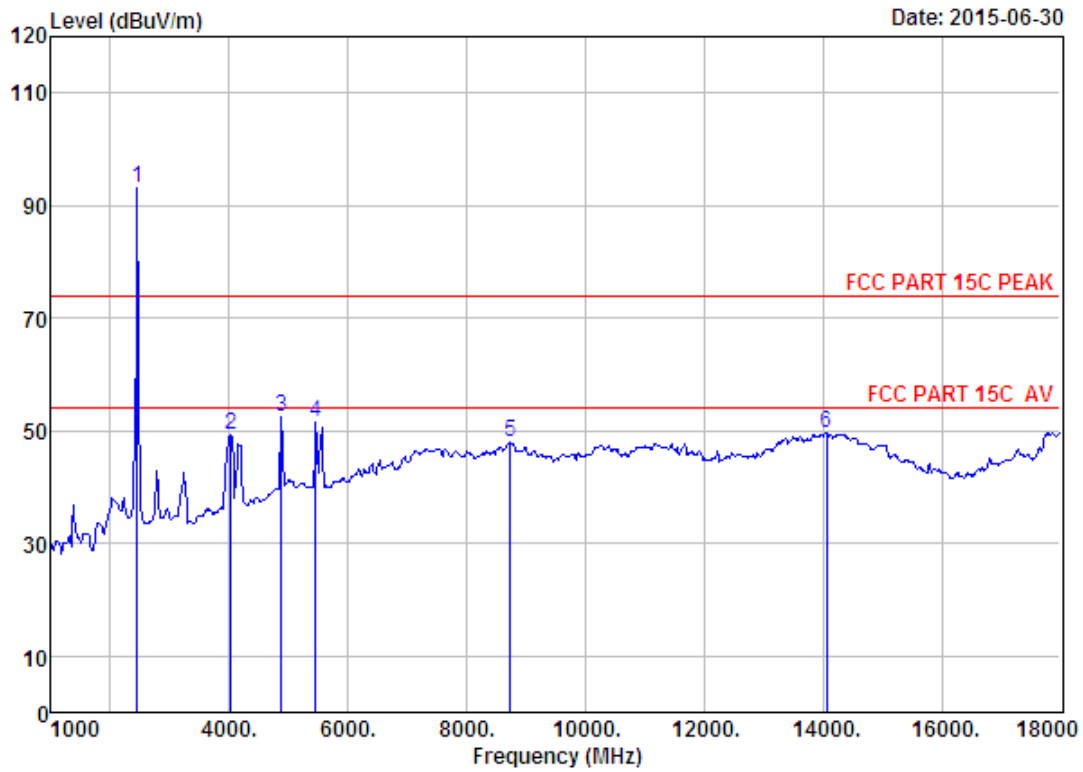




Site no. : 1# 966 chamber Data no. : 473
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	87.73	87.15	74.00	-13.15	Peak
2	4060.00	29.77	10.83	36.18	41.92	46.34	74.00	27.66	Peak
3	4884.00	31.37	12.07	35.82	41.80	49.42	74.00	24.58	Peak
4	5556.00	31.97	12.00	36.07	40.67	48.57	74.00	25.43	Peak
5	7426.00	36.56	11.60	34.22	32.89	46.83	74.00	27.17	Peak
6	14175.00	41.61	10.91	33.35	30.71	49.88	74.00	24.12	Peak

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

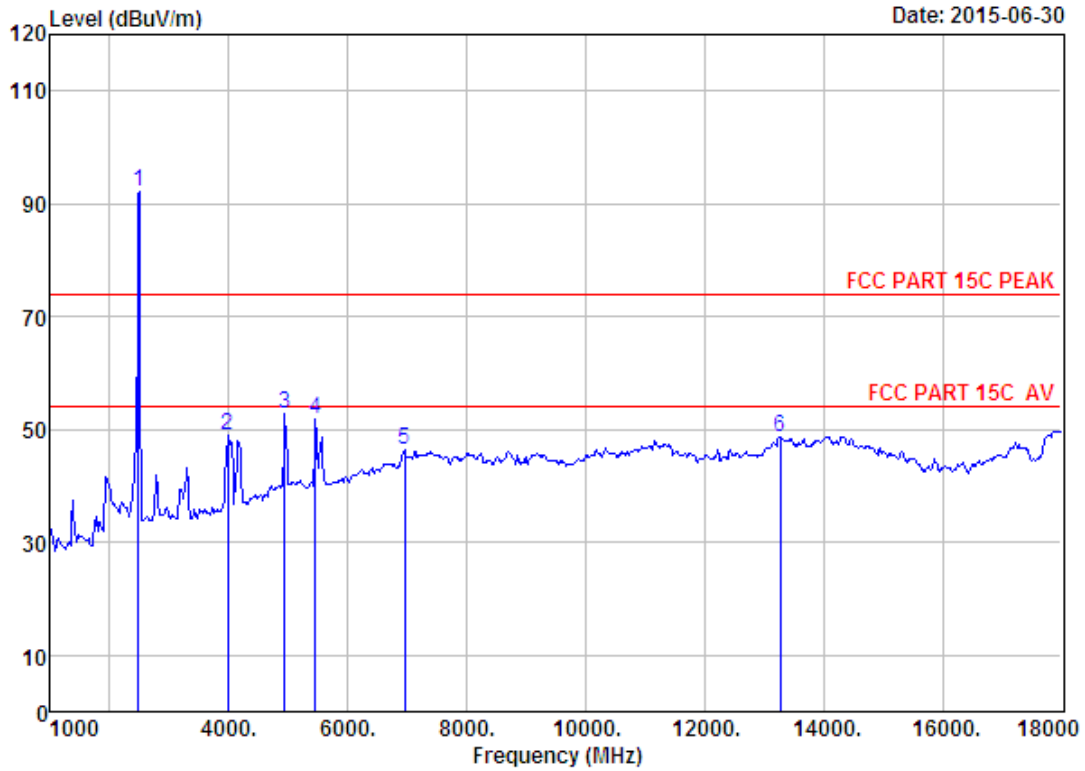


Site no. : 1# 966 chamber Data no. : 474
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	93.54	92.96	74.00	-18.96	Peak
2	4026.00	29.71	10.86	36.28	44.90	49.19	74.00	24.81	Peak
3	4884.00	31.37	12.07	35.82	44.75	52.37	74.00	21.63	Peak
4	5454.00	31.83	12.05	35.90	43.45	51.43	74.00	22.57	Peak
5	8735.00	37.40	11.45	33.76	32.76	47.85	74.00	26.15	Peak
6	14056.00	41.51	10.90	33.06	30.35	49.70	74.00	24.30	Peak

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

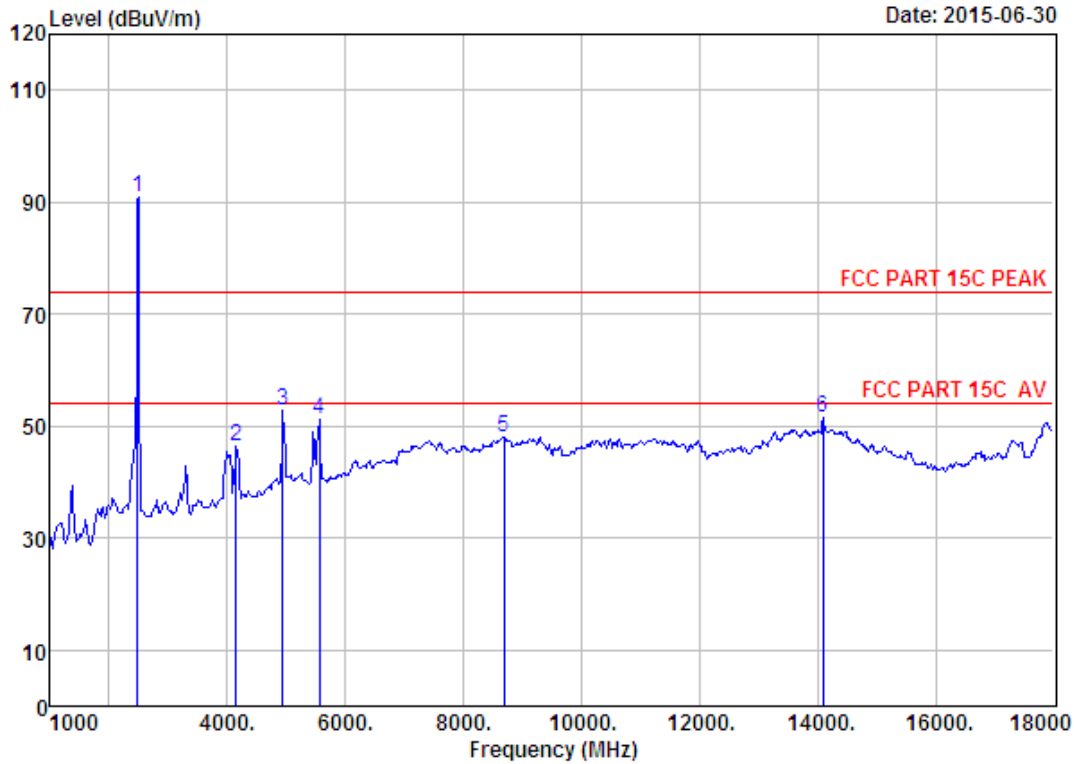




Site no. : 1# 966 chamber Data no. : 475
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	92.88	92.06	74.00	-18.06	Peak
2	3975.00	29.60	10.81	36.42	45.01	49.00	74.00	25.00	Peak
3	4944.00	31.47	12.37	35.96	44.97	52.85	74.00	21.15	Peak
4	5454.00	31.83	12.05	35.90	43.87	51.85	74.00	22.15	Peak
5	6950.00	35.29	11.56	34.34	34.04	46.55	74.00	27.45	Peak
6	13274.00	39.54	11.47	32.92	30.49	48.58	74.00	25.42	Peak

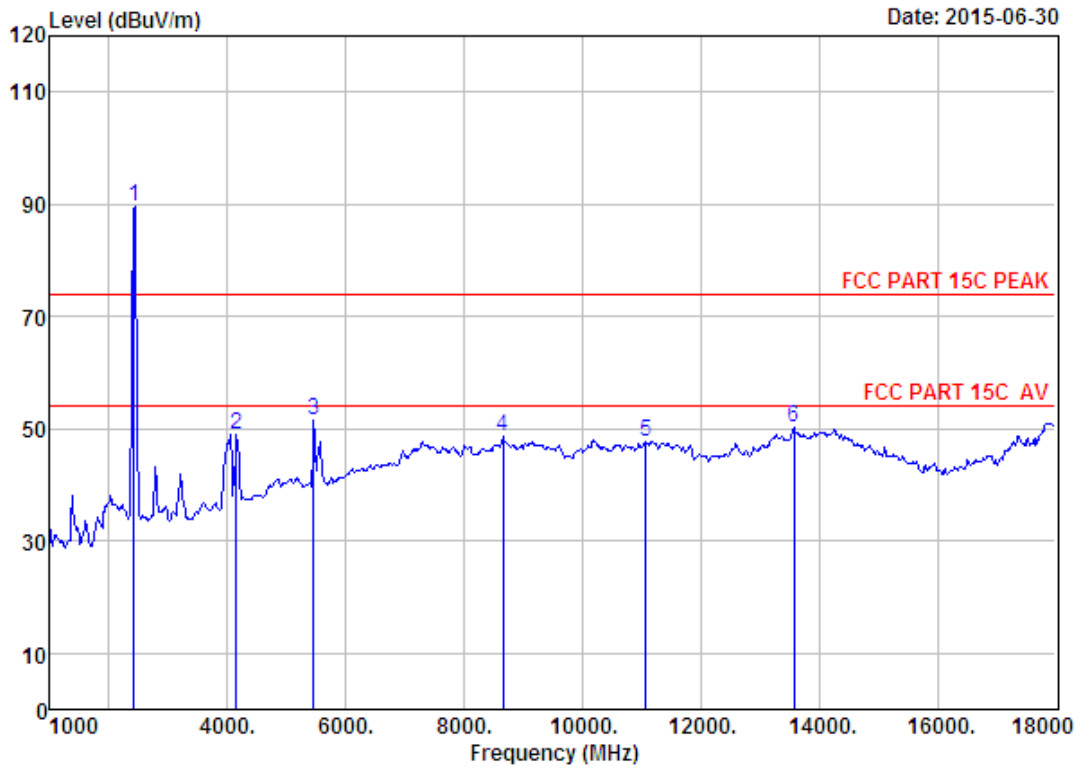
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 476
 Dis. / Ant. : 3m ANI 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	91.68	90.86	74.00	-16.86	Peak
2	4145.00	29.88	10.75	35.98	41.89	46.54	74.00	27.46	Peak
3	4944.00	31.47	12.37	35.96	44.87	52.75	74.00	21.25	Peak
4	5556.00	31.97	12.00	36.07	43.38	51.28	74.00	22.72	Peak
5	8684.00	37.32	11.45	33.66	33.03	48.14	74.00	25.86	Peak
6	14090.00	41.54	10.91	33.13	32.30	51.62	74.00	22.38	Peak

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

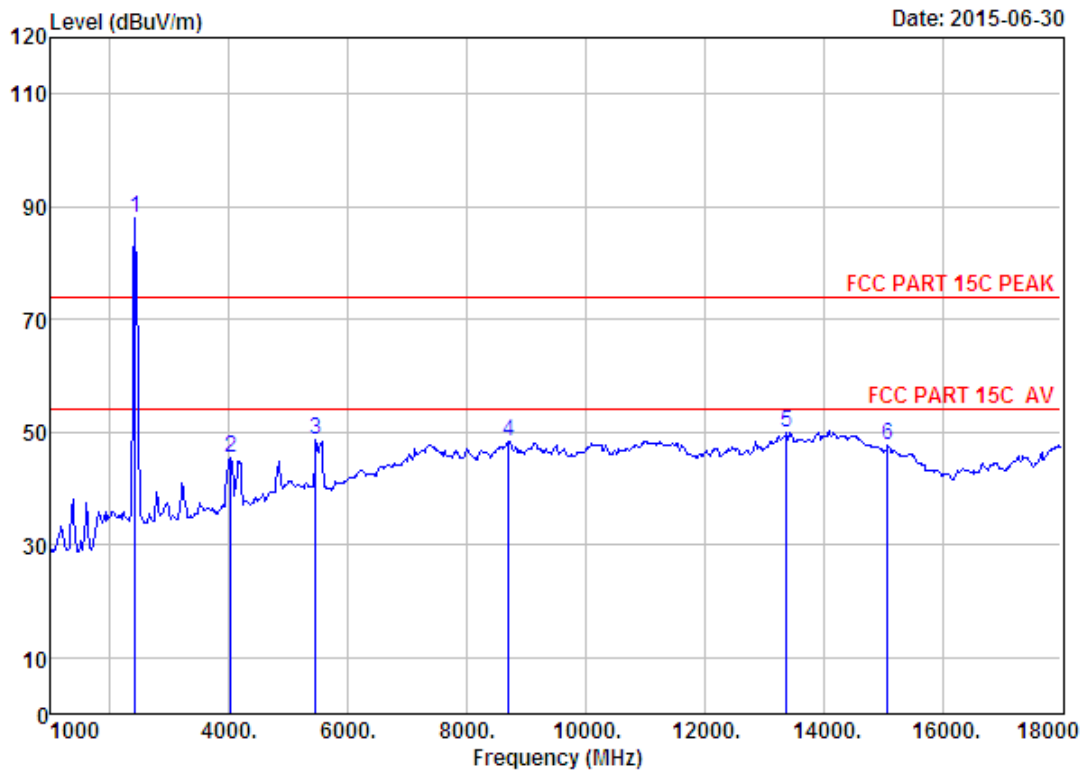


Site no. : 1# 966 chamber Data no. : 479
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	90.16	89.76	74.00	-15.76	Peak
2	4145.00	29.88	10.75	35.98	44.22	48.87	74.00	25.13	Peak
3	5454.00	31.83	12.05	35.90	43.54	51.52	74.00	22.48	Peak
4	8650.00	37.27	11.45	33.68	33.53	48.57	74.00	25.43	Peak
5	11064.00	39.48	11.24	33.83	30.76	47.65	74.00	26.35	Peak
6	13580.00	40.31	11.40	32.64	31.03	50.10	74.00	23.90	Peak

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



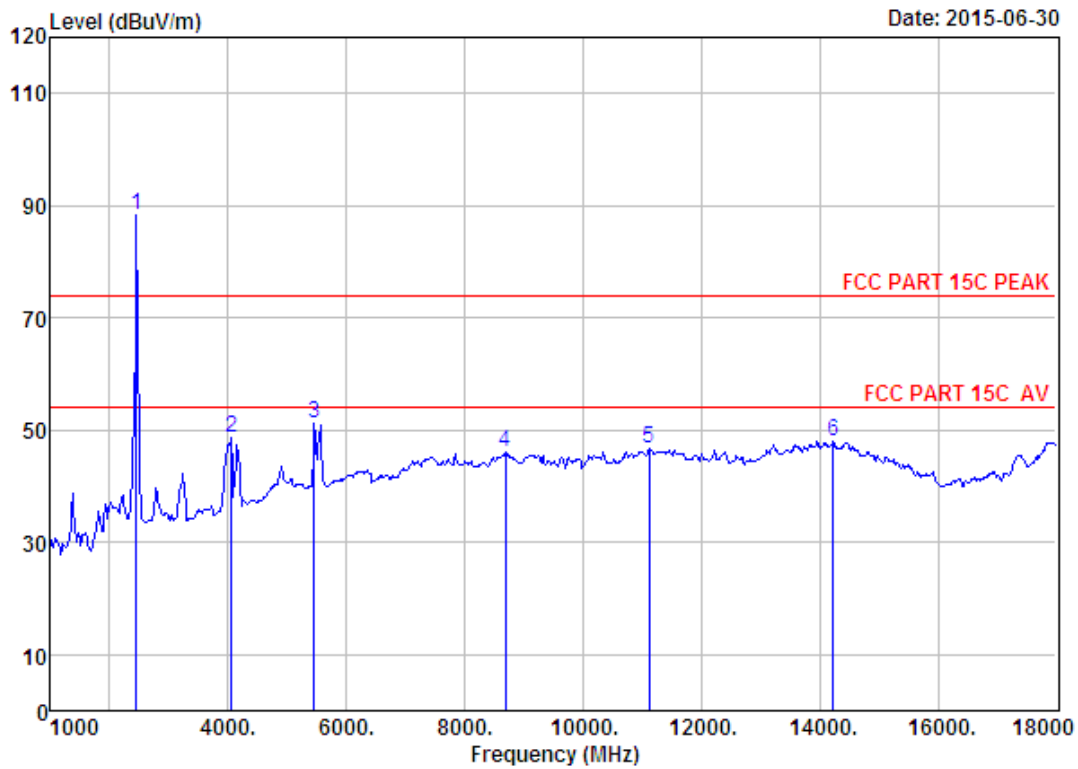


Site no. : 1# 966 chamber Data no. : 480
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	88.51	88.11	74.00	-14.11	Peak
2	4026.00	29.71	10.86	36.28	41.01	45.30	74.00	28.70	Peak
3	5454.00	31.83	12.05	35.90	40.78	48.76	74.00	25.24	Peak
4	8701.00	37.35	11.45	33.65	33.12	48.27	74.00	25.73	Peak
5	13376.00	39.78	11.48	32.91	31.59	49.94	74.00	24.06	Peak
6	15076.00	39.86	10.89	33.71	30.50	47.54	74.00	26.46	Peak

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



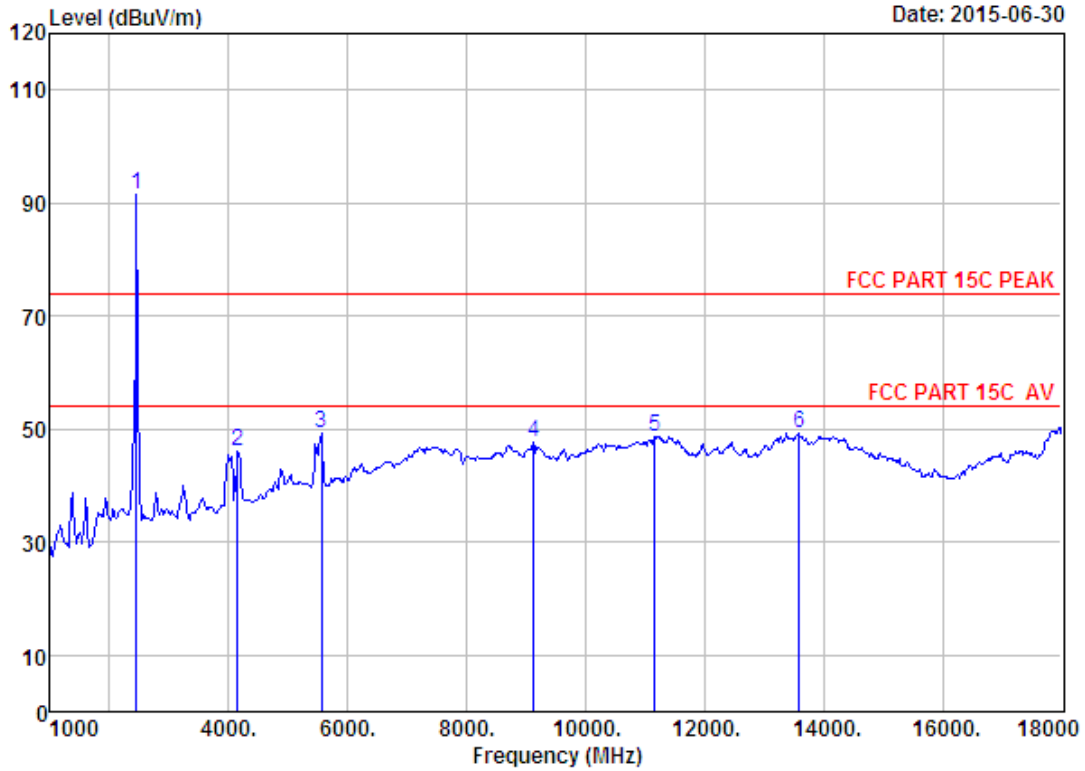


Site no. : 1# 966 chamber Data no. : 483
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	88.88	88.30	74.00	-14.30	Peak
2	4060.00	29.77	10.83	36.18	44.20	48.62	74.00	25.38	Peak
3	5454.00	31.83	12.05	35.90	43.24	51.22	74.00	22.78	Peak
4	8684.00	37.32	11.45	33.66	30.96	46.07	74.00	27.93	Peak
5	11115.00	39.44	11.20	33.55	29.49	46.58	74.00	27.42	Peak
6	14226.00	41.66	10.91	33.41	28.94	48.10	74.00	25.90	Peak

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





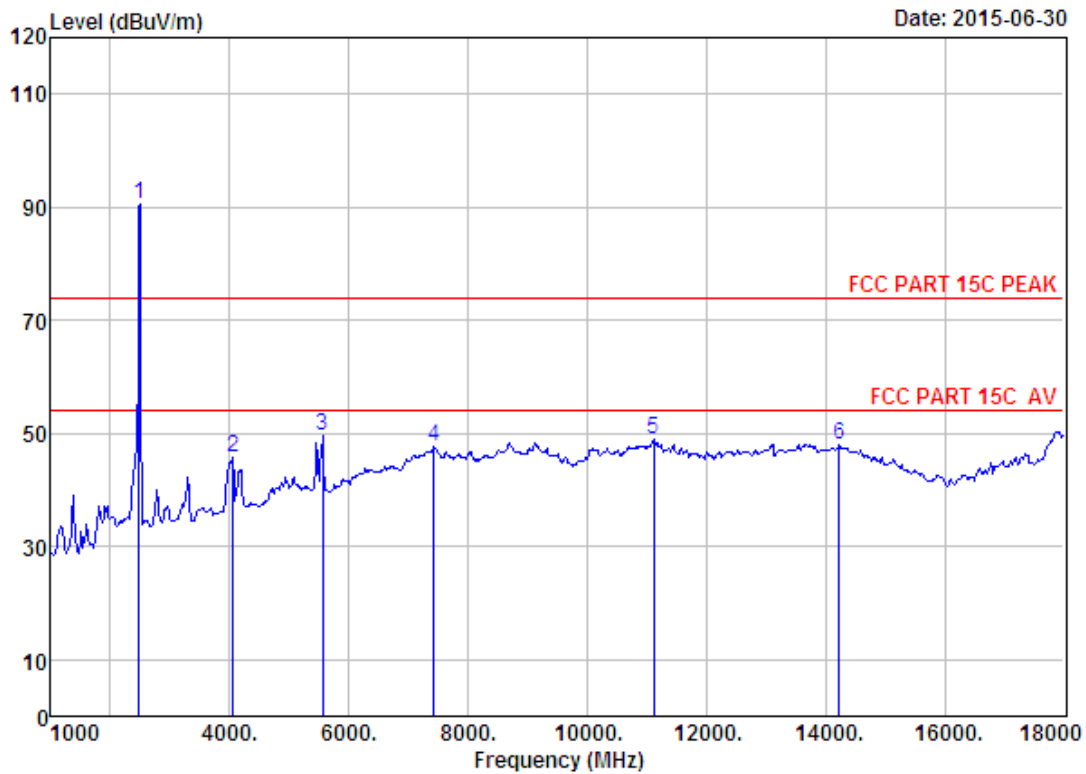
Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 484
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	92.17	91.59	74.00	-17.59	Peak
2	4145.00	29.88	10.75	35.98	41.47	46.12	74.00	27.88	Peak
3	5556.00	31.97	12.00	36.07	41.36	49.26	74.00	24.74	Peak
4	9126.00	37.62	11.52	34.09	32.53	47.58	74.00	26.42	Peak
5	11166.00	39.41	11.17	33.31	31.45	48.72	74.00	25.28	Peak
6	13597.00	40.36	11.38	32.65	30.23	49.32	74.00	24.68	Peak

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

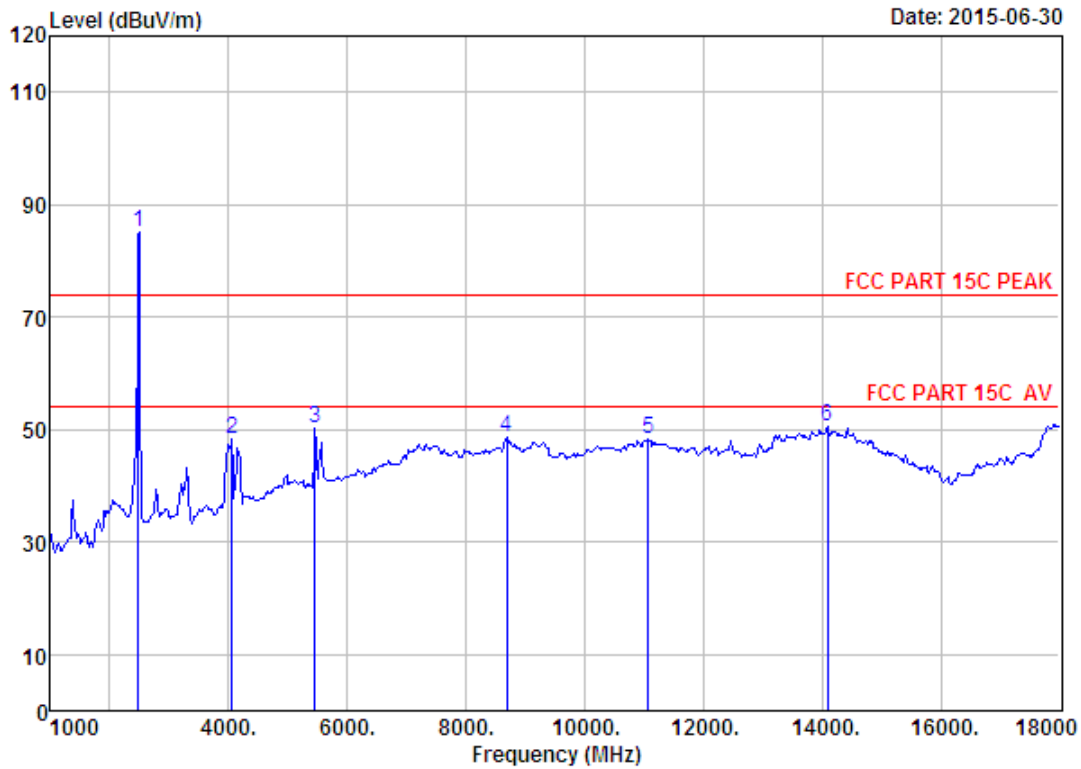




Site no. : 1# 966 chamber Data no. : 485
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	91.34	90.52	74.00	-16.52	Peak
2	4060.00	29.77	10.83	36.18	41.38	45.80	74.00	28.20	Peak
3	5556.00	31.97	12.00	36.07	41.60	49.50	74.00	24.50	Peak
4	7426.00	36.56	11.60	34.22	33.61	47.55	74.00	26.45	Peak
5	11115.00	39.44	11.20	33.55	31.99	49.08	74.00	24.92	Peak
6	14226.00	41.66	10.91	33.41	28.85	48.01	74.00	25.99	Peak

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

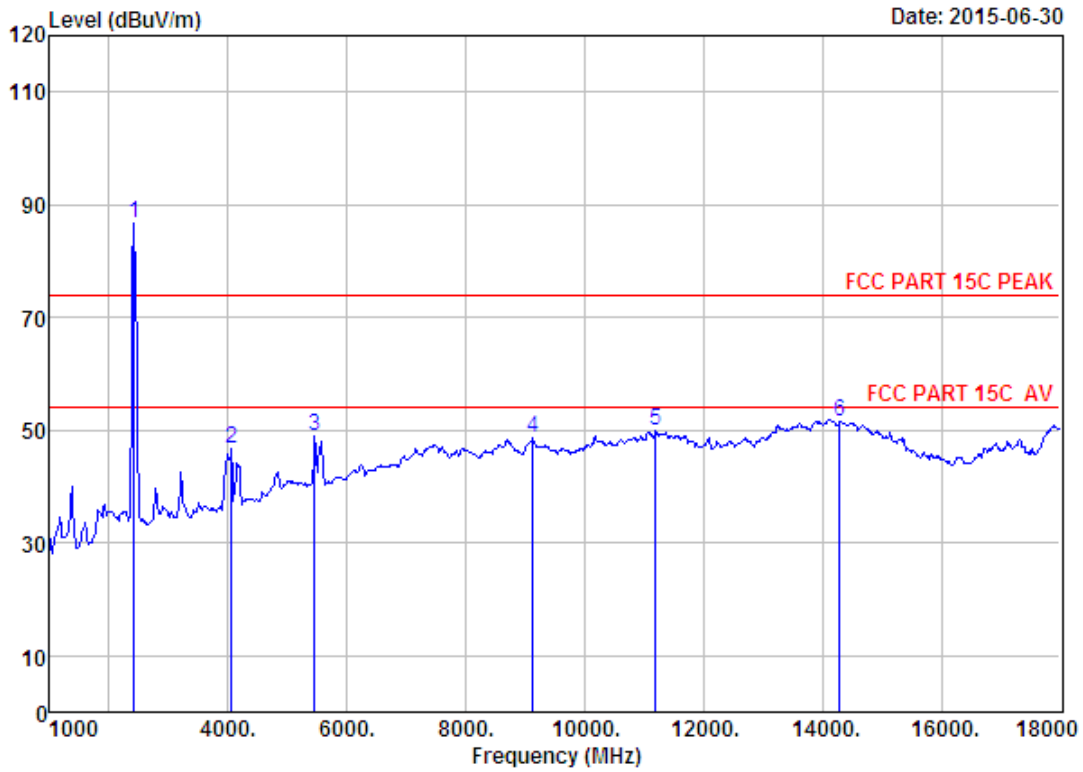


Site no. : 1# 966 chamber Data no. : 486
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	86.08	85.26	74.00	-11.26	Peak
2	4060.00	29.77	10.83	36.18	43.78	48.20	74.00	25.80	Peak
3	5454.00	31.83	12.05	35.90	42.37	50.35	74.00	23.65	Peak
4	8684.00	37.32	11.45	33.66	33.53	48.64	74.00	25.36	Peak
5	11064.00	39.48	11.24	33.83	31.29	48.18	74.00	25.82	Peak
6	14090.00	41.54	10.91	33.13	31.15	50.47	74.00	23.53	Peak

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

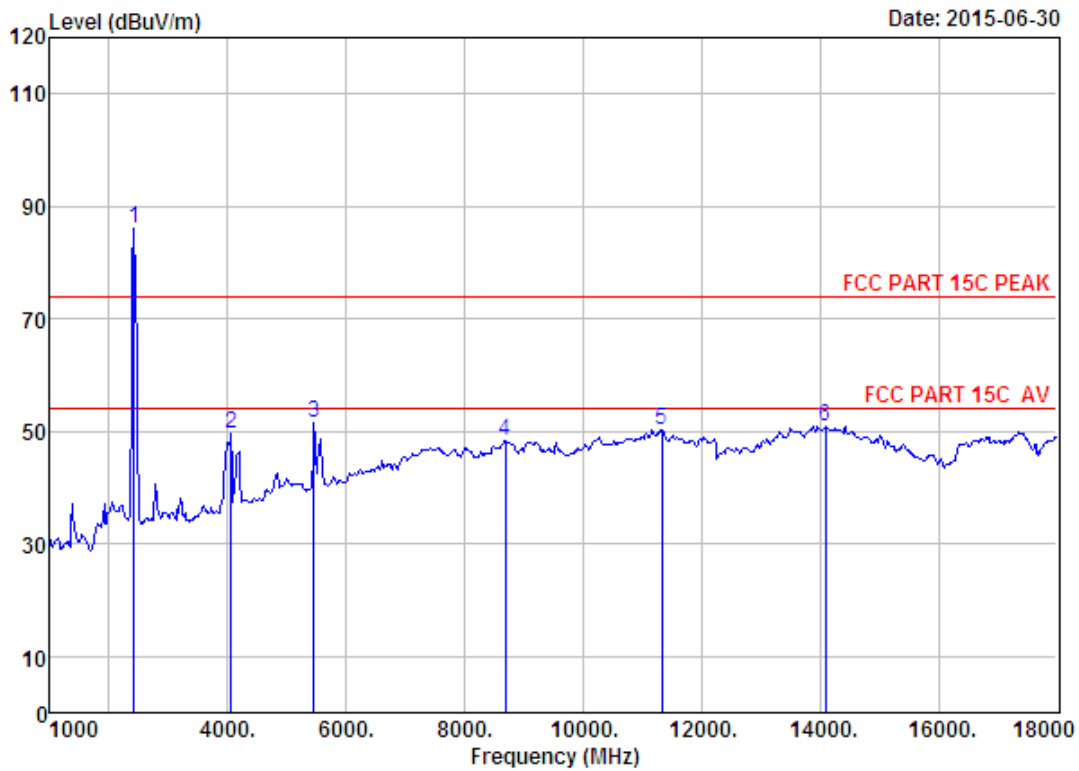




Site no. : 1# 966 chamber Data no. : 489
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	87.18	86.78	74.00	-12.78	Peak
2	4060.00	29.77	10.83	36.18	42.44	46.86	74.00	27.14	Peak
3	5454.00	31.83	12.05	35.90	40.92	48.90	74.00	25.10	Peak
4	9126.00	37.62	11.52	34.09	33.49	48.54	74.00	25.46	Peak
5	11200.00	39.39	11.14	33.24	32.57	49.86	74.00	24.14	Peak
6	14294.00	41.71	10.92	33.42	32.21	51.42	74.00	22.58	Peak

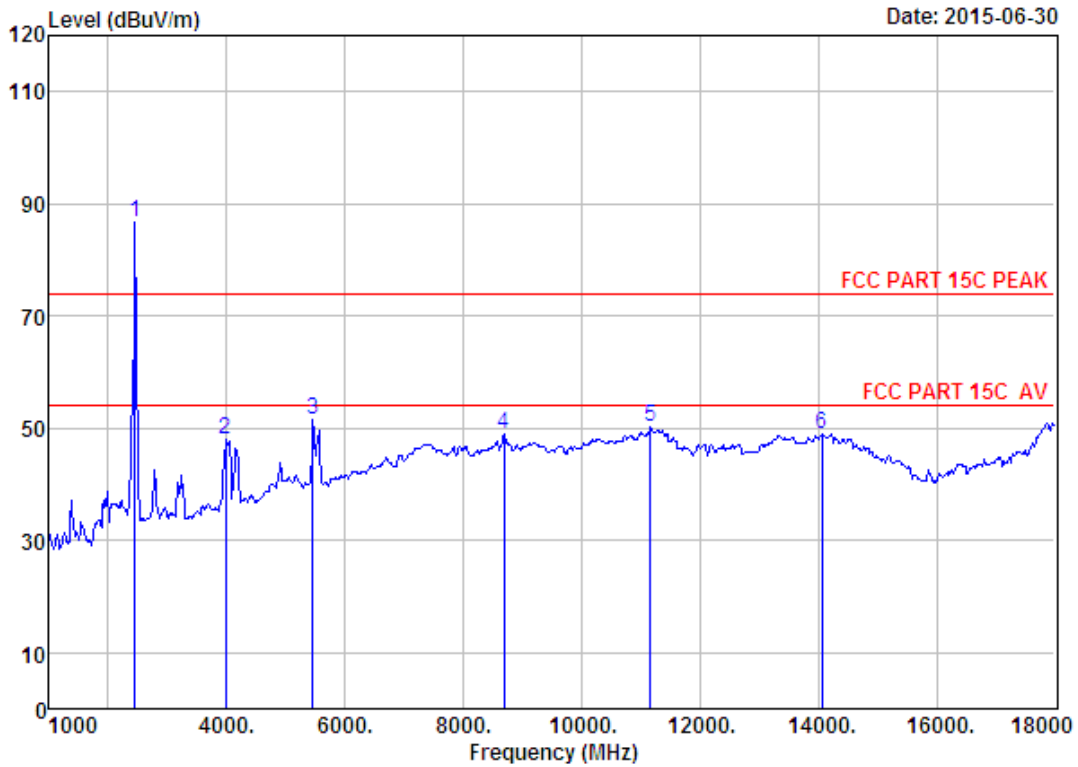
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 490
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	2412.00	27.60	6.64	34.64	86.62	86.22	74.00	-12.22	Peak
2	4060.00	29.77	10.83	36.18	45.18	49.60	74.00	24.40	Peak
3	5454.00	31.83	12.05	35.90	43.54	51.52	74.00	22.48	Peak
4	8684.00	37.32	11.45	33.66	33.23	48.34	74.00	25.66	Peak
5	11336.00	39.30	11.04	33.44	33.32	50.22	74.00	23.78	Peak
6	14090.00	41.54	10.91	33.13	31.56	50.88	74.00	23.12	Peak

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

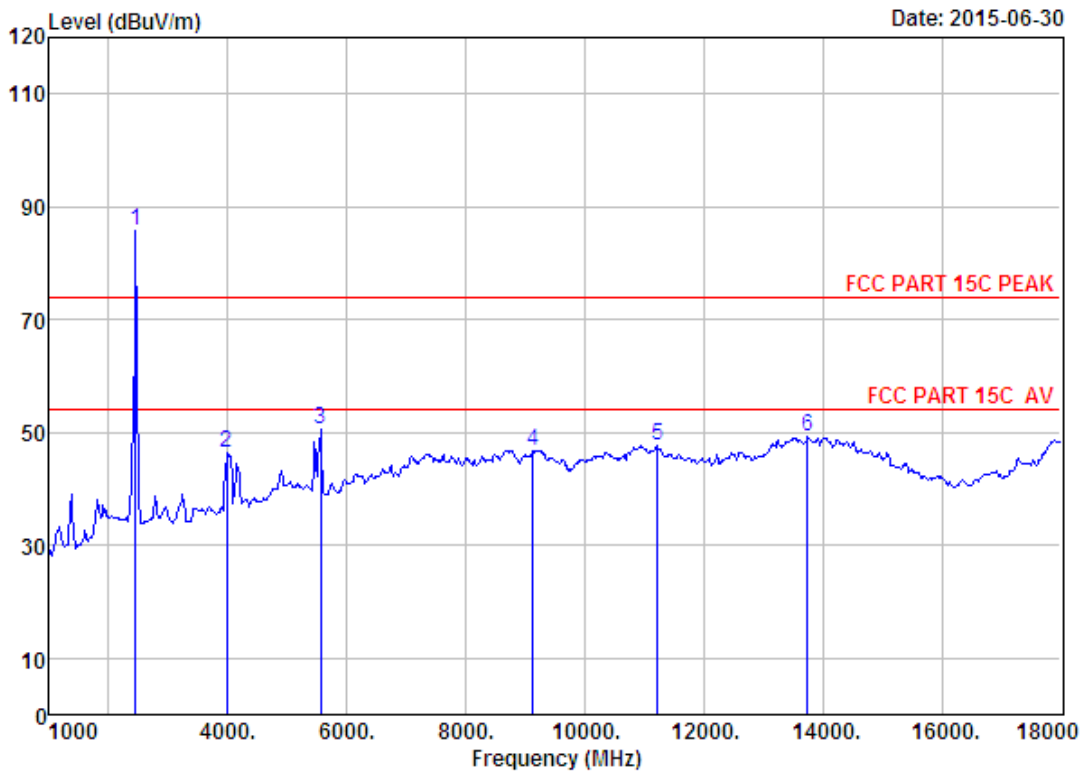


Site no. : 1# 966 chamber Data no. : 493
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	87.45	86.87	74.00	-12.87	Peak
2	3975.00	29.60	10.81	36.42	44.04	48.03	74.00	25.97	Peak
3	5454.00	31.83	12.05	35.90	43.55	51.53	74.00	22.47	Peak
4	8684.00	37.32	11.45	33.66	33.97	49.08	74.00	24.92	Peak
5	11166.00	39.41	11.17	33.31	32.82	50.09	74.00	23.91	Peak
6	14056.00	41.51	10.90	33.06	29.48	48.83	74.00	25.17	Peak

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



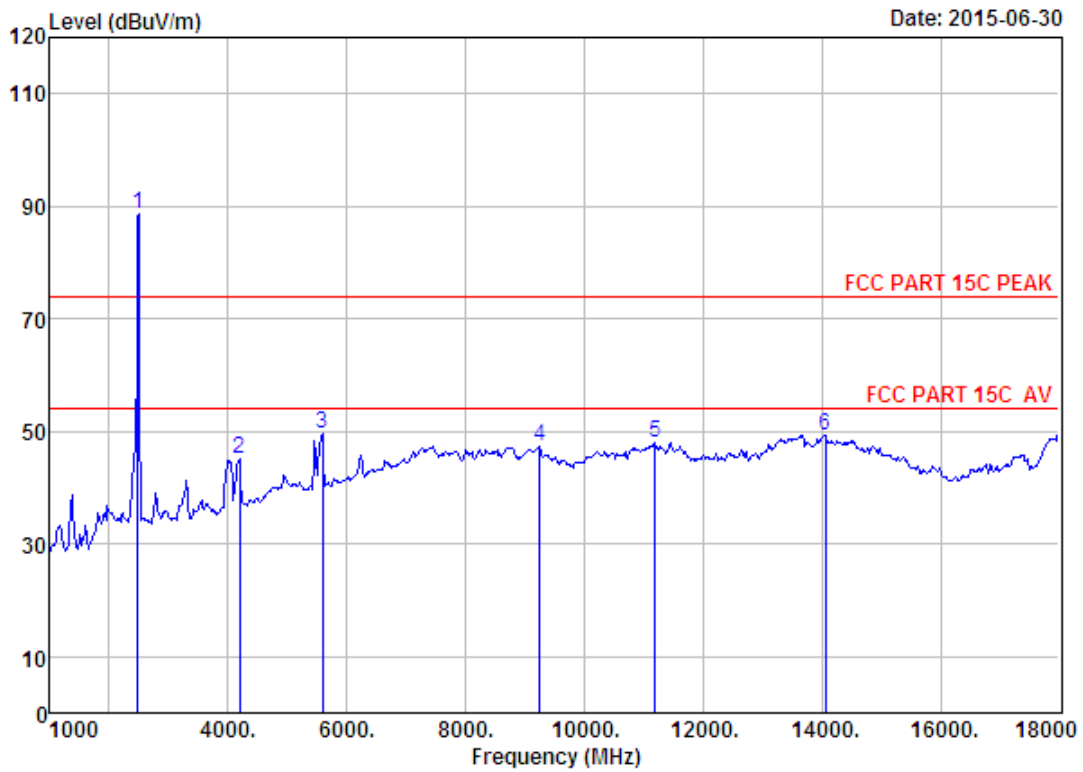


Site no. : 1# 966 chamber Data no. : 494
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

	Ant. Freq. (MHz)	Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2442.00	27.60	6.67	34.85	86.21	85.63	74.00	-11.63	Peak
2	3975.00	29.60	10.81	36.42	42.46	46.45	74.00	27.55	Peak
3	5556.00	31.97	12.00	36.07	42.68	50.58	74.00	23.42	Peak
4	9126.00	37.62	11.52	34.09	31.80	46.85	74.00	27.15	Peak
5	11217.00	39.38	11.13	33.24	30.46	47.73	74.00	26.27	Peak
6	13750.00	40.78	11.20	33.02	30.18	49.14	74.00	24.86	Peak

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

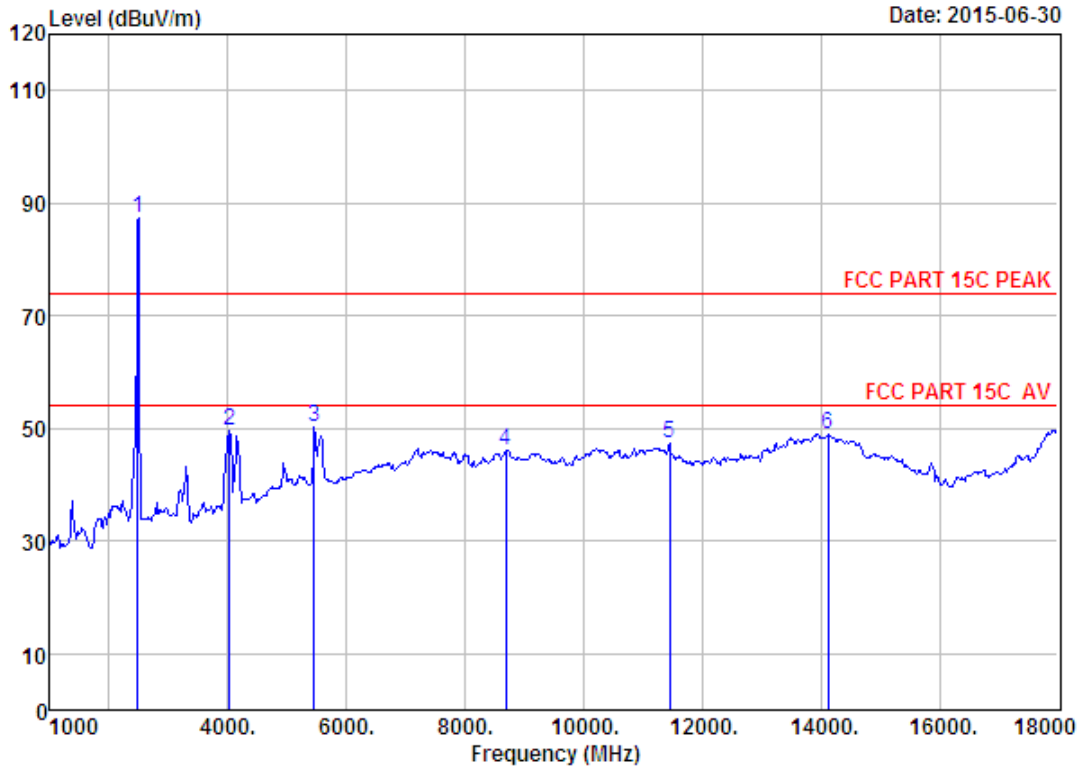




Site no. : 1# 966 chamber Data no. : 495
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	89.31	88.49	74.00	-14.49	Peak
2	4196.00	29.95	10.70	35.87	40.34	45.12	74.00	28.88	Peak
3	5590.00	32.00	12.01	36.00	41.52	49.53	74.00	24.47	Peak
4	9245.00	37.83	11.58	34.37	32.25	47.29	74.00	26.71	Peak
5	11200.00	39.39	11.14	33.24	30.66	47.95	74.00	26.05	Peak
6	14056.00	41.51	10.90	33.06	30.06	49.41	74.00	24.59	Peak

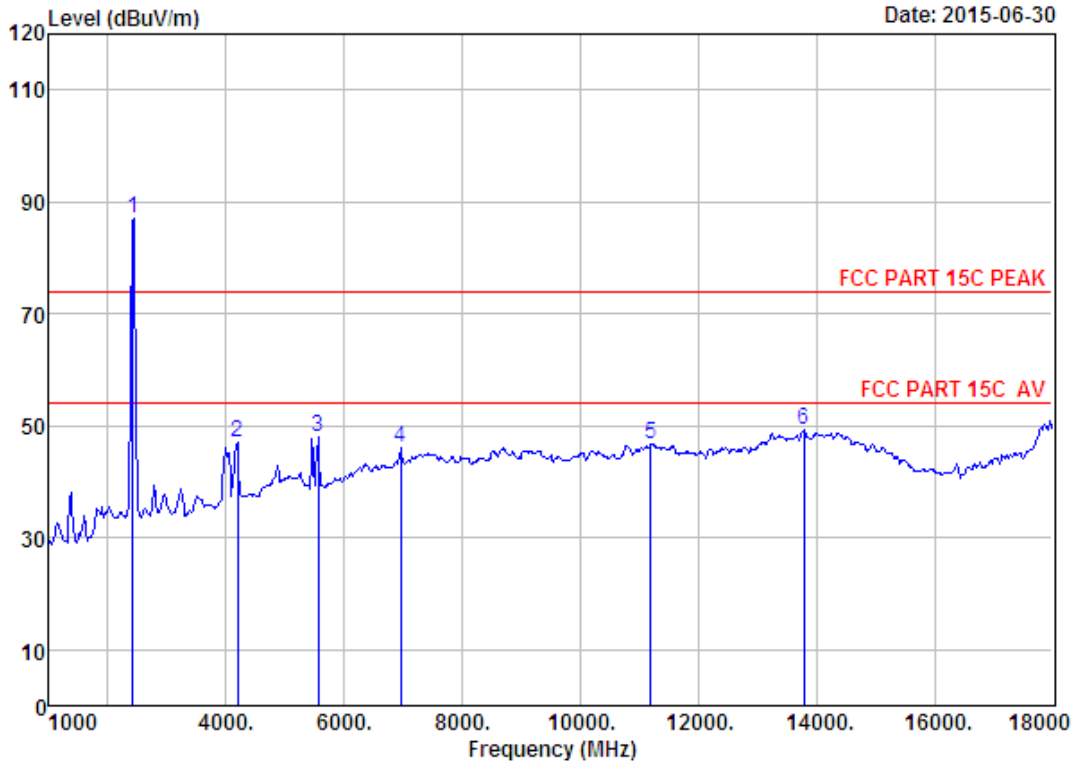
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 496
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.00	27.58	6.71	35.11	88.28	87.46	74.00	-13.46	Peak
2	4026.00	29.71	10.86	36.28	45.39	49.68	74.00	24.32	Peak
3	5454.00	31.83	12.05	35.90	42.32	50.30	74.00	23.70	Peak
4	8684.00	37.32	11.45	33.66	31.02	46.13	74.00	27.87	Peak
5	11455.00	39.23	10.96	33.53	30.77	47.43	74.00	26.57	Peak
6	14124.00	41.57	10.91	33.22	29.67	48.93	74.00	25.07	Peak

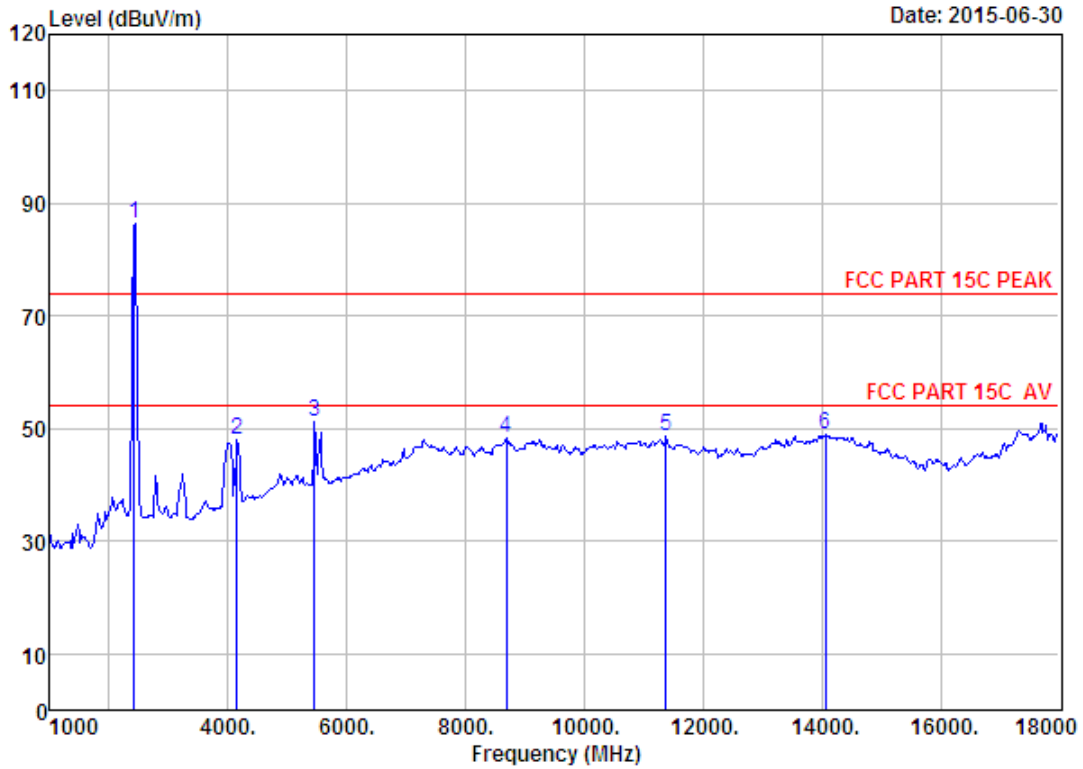
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 499
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	2422.00	27.60	6.66	34.74	87.38	86.90	74.00	-12.90	Peak
2	4196.00	29.95	10.70	35.87	42.42	47.20	74.00	26.80	Peak
3	5556.00	31.97	12.00	36.07	40.16	48.06	74.00	25.94	Peak
4	6950.00	35.29	11.56	34.34	33.46	45.97	74.00	28.03	Peak
5	11200.00	39.39	11.14	33.24	29.54	46.83	74.00	27.17	Peak
6	13784.00	40.88	11.16	33.05	30.40	49.39	74.00	24.61	Peak

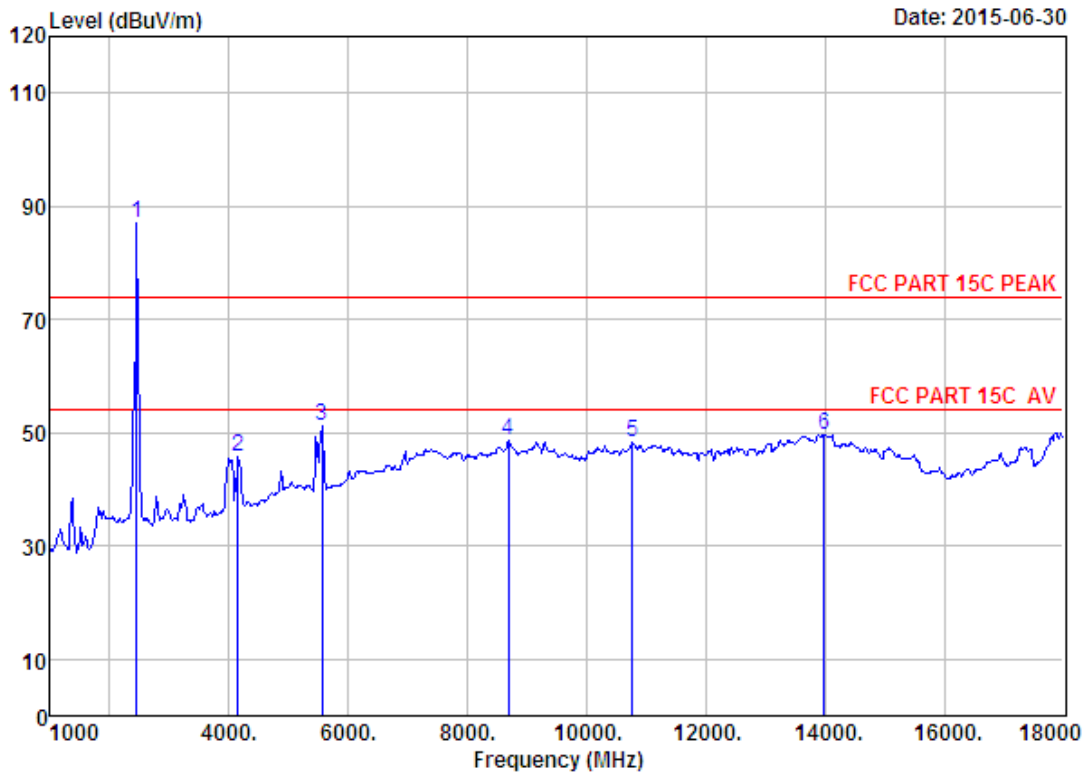
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 500
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	2422.00	27.60	6.66	34.74	86.95	86.47	74.00	-12.47	Peak
2	4145.00	29.88	10.75	35.98	43.38	48.03	74.00	25.97	Peak
3	5454.00	31.83	12.05	35.90	43.08	51.06	74.00	22.94	Peak
4	8684.00	37.32	11.45	33.66	33.16	48.27	74.00	25.73	Peak
5	11370.00	39.28	11.02	33.51	31.70	48.49	74.00	25.51	Peak
6	14056.00	41.51	10.90	33.06	29.64	48.99	74.00	25.01	Peak

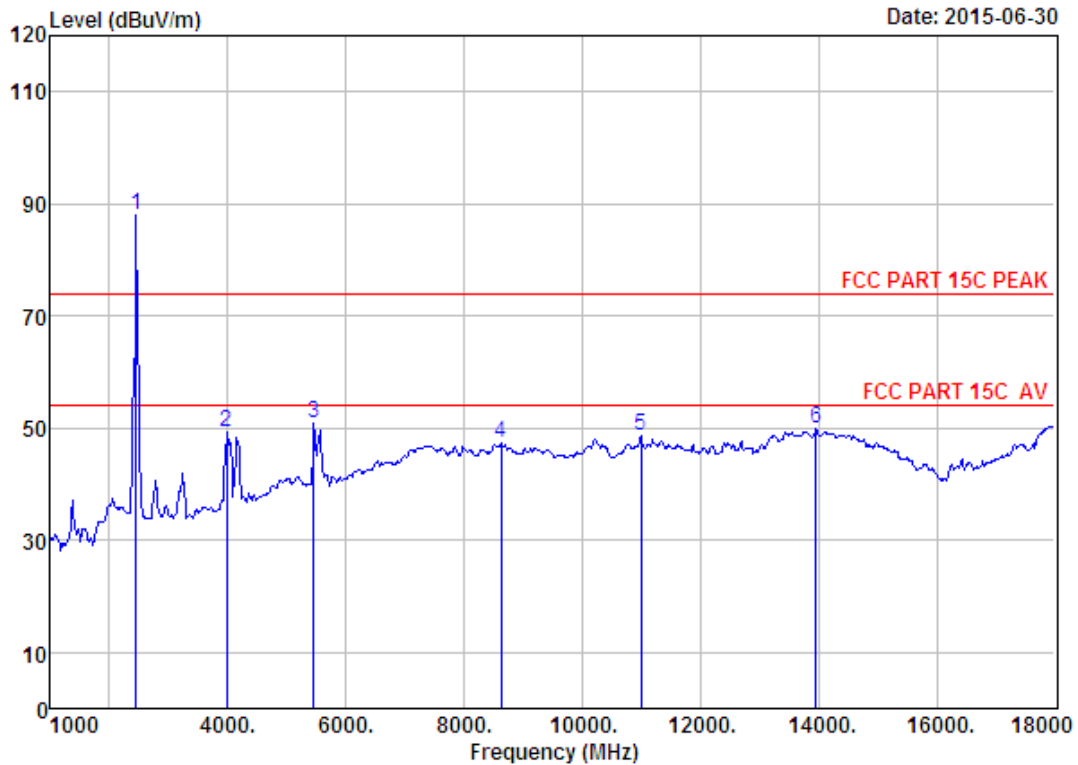
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 503
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	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	2442.00	27.60	6.67	34.85	87.77	87.19	74.00	-13.19	Peak
2	4145.00	29.88	10.75	35.98	41.18	45.83	74.00	28.17	Peak
3	5556.00	31.97	12.00	36.07	43.43	51.33	74.00	22.67	Peak
4	8684.00	37.32	11.45	33.66	33.37	48.48	74.00	25.52	Peak
5	10775.00	39.28	11.30	34.02	31.61	48.17	74.00	25.83	Peak
6	13988.00	41.45	10.92	33.00	30.33	49.70	74.00	24.30	Peak

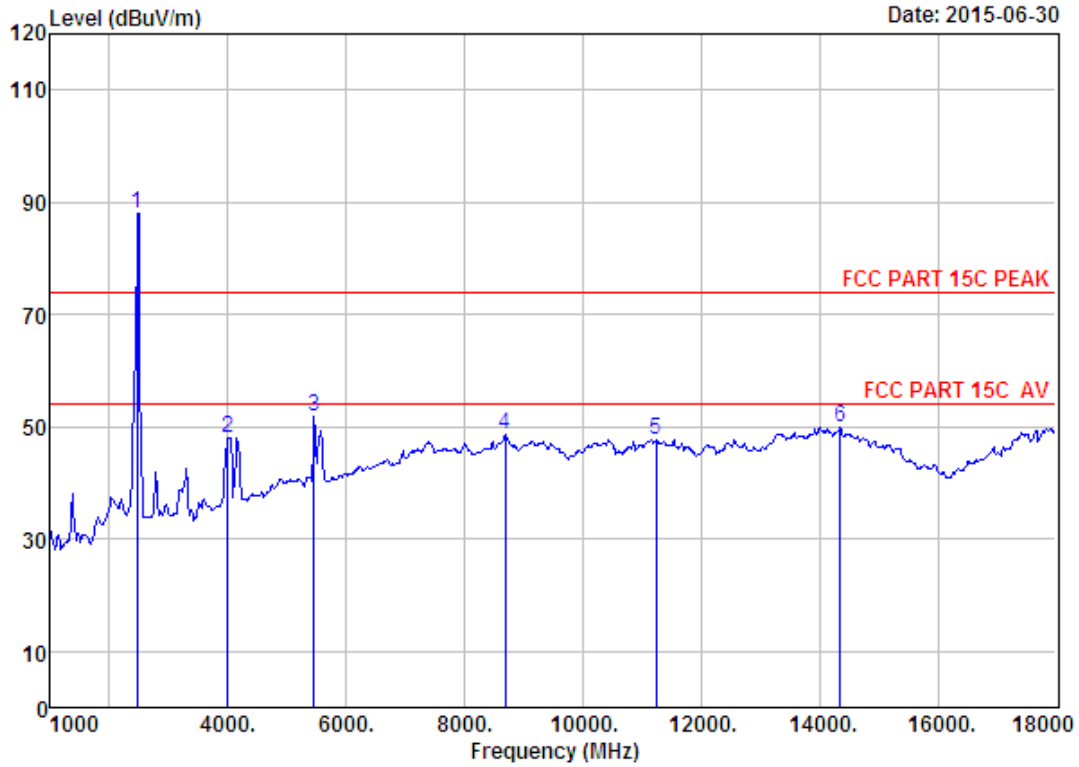
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 504
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	2442.00	27.60	6.67	34.85	88.55	87.97	74.00	-13.97	Peak
2	3975.00	29.60	10.81	36.42	45.35	49.34	74.00	24.66	Peak
3	5454.00	31.83	12.05	35.90	42.98	50.96	74.00	23.04	Peak
4	8633.00	37.24	11.45	33.73	32.27	47.23	74.00	26.77	Peak
5	10996.00	39.52	11.29	34.11	31.89	48.59	74.00	25.41	Peak
6	13954.00	41.35	10.96	32.99	30.58	49.90	74.00	24.10	Peak

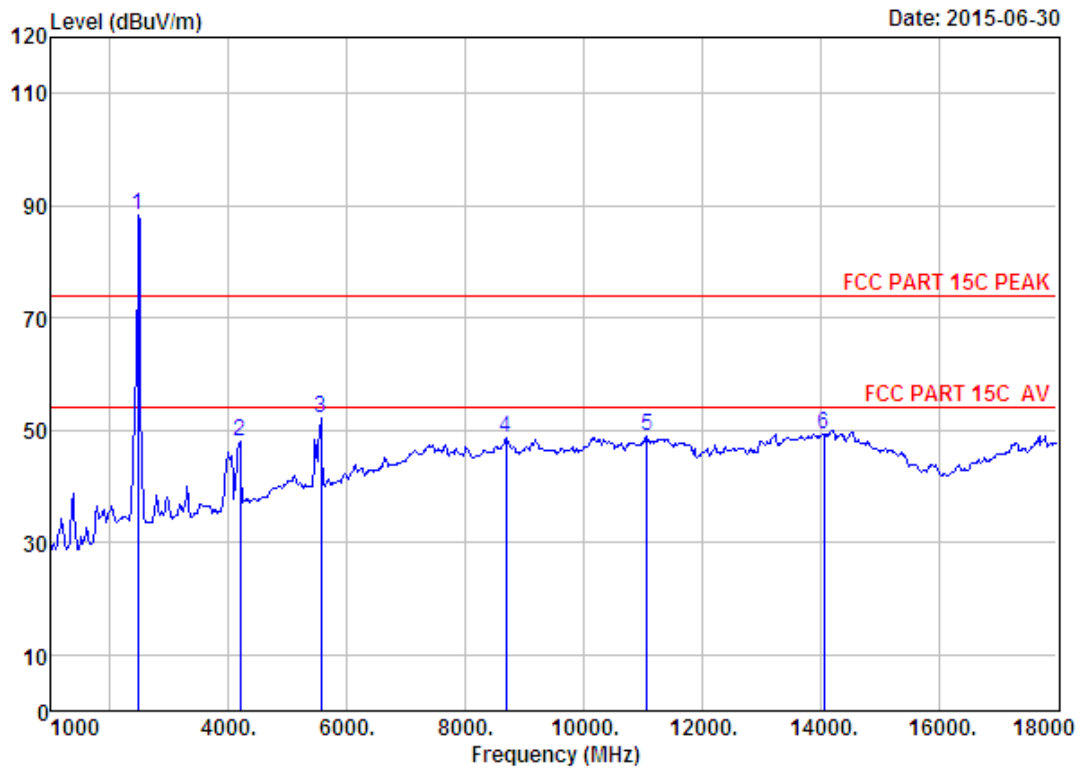
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 505
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.98	88.86	88.15	74.00	-14.15	Peak
2	3992.00	29.65	10.89	36.38	43.95	48.11	74.00	25.89	Peak
3	5454.00	31.83	12.05	35.90	43.79	51.77	74.00	22.23	Peak
4	8684.00	37.32	11.45	33.66	33.51	48.62	74.00	25.38	Peak
5	11234.00	39.37	11.12	33.25	30.50	47.74	74.00	26.26	Peak
6	14345.00	41.76	10.92	33.39	30.72	50.01	74.00	23.99	Peak

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



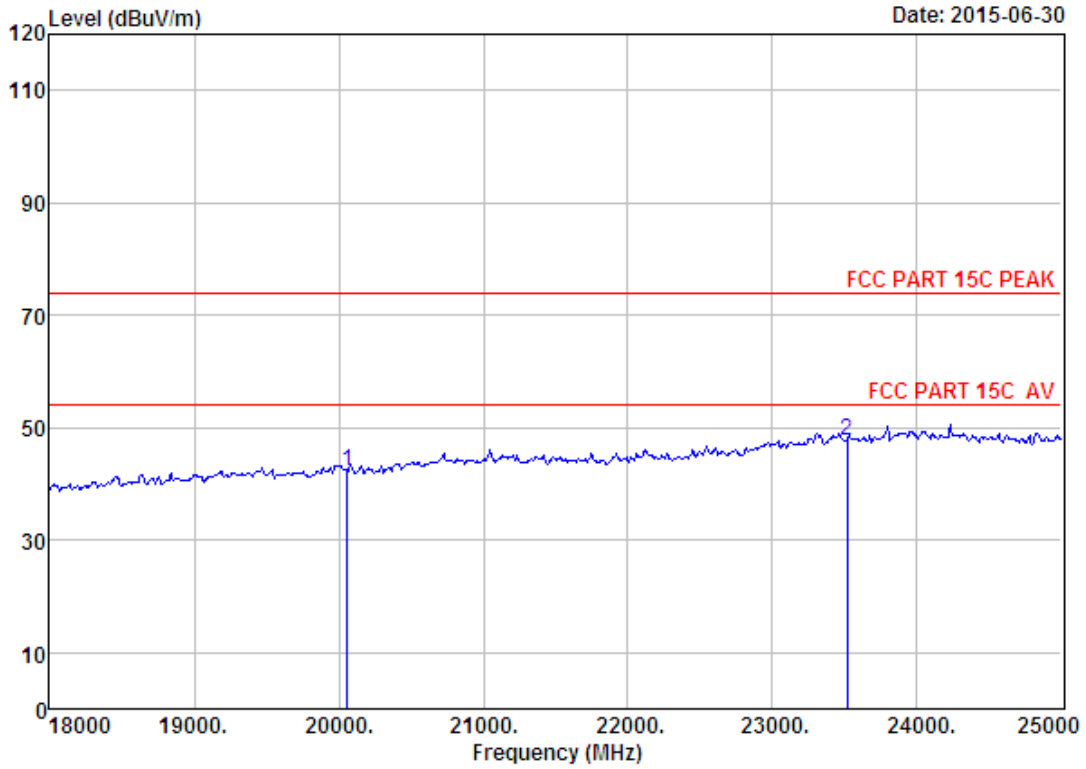
Site no. : 1# 966 chamber Data no. : 506
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.98	88.95	88.24	74.00	-14.24	Peak
2	4196.00	29.95	10.70	35.87	43.21	47.99	74.00	26.01	Peak
3	5556.00	31.97	12.00	36.07	44.29	52.19	74.00	21.81	Peak
4	8684.00	37.32	11.45	33.66	33.43	48.54	74.00	25.46	Peak
5	11064.00	39.48	11.24	33.83	31.95	48.84	74.00	25.16	Peak
6	14056.00	41.51	10.90	33.06	29.93	49.28	74.00	24.72	Peak

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



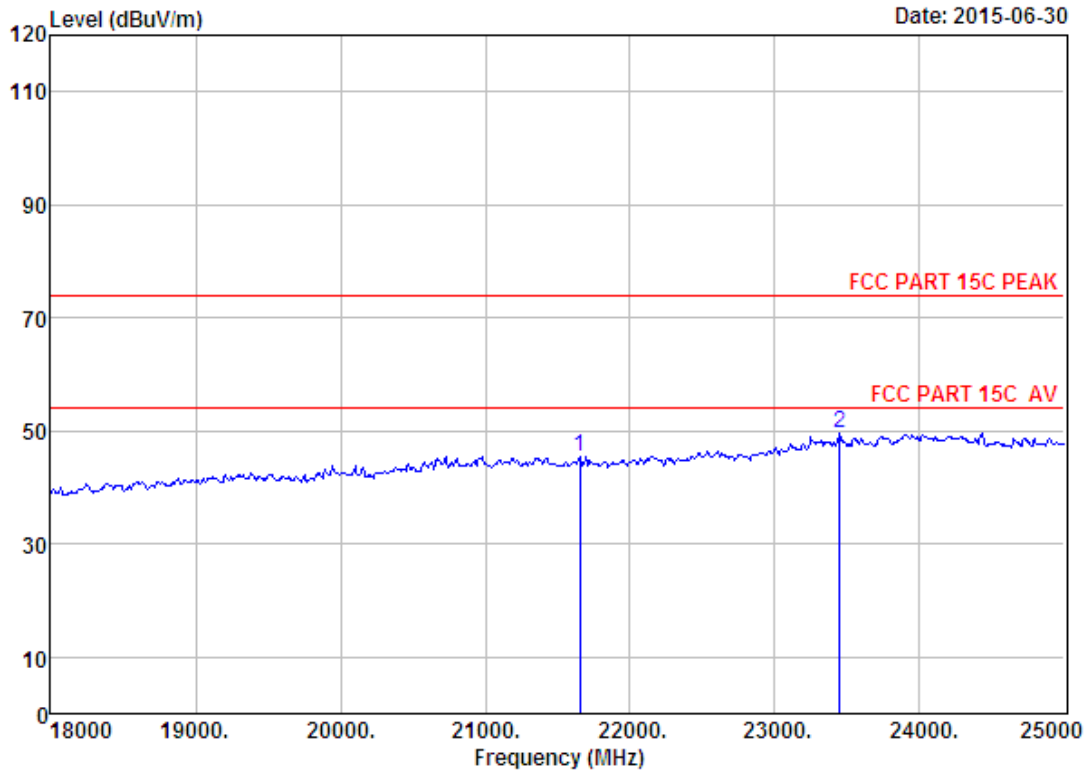
18000-25000 MHz



Site no. : 1# 966 chamber Data no. : 397
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna a

	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	20058.00	46.09	19.71	36.66	13.20	42.34	74.00	31.66	Peak
2	23516.00	45.70	21.61	33.30	13.52	47.53	74.00	26.47	Peak

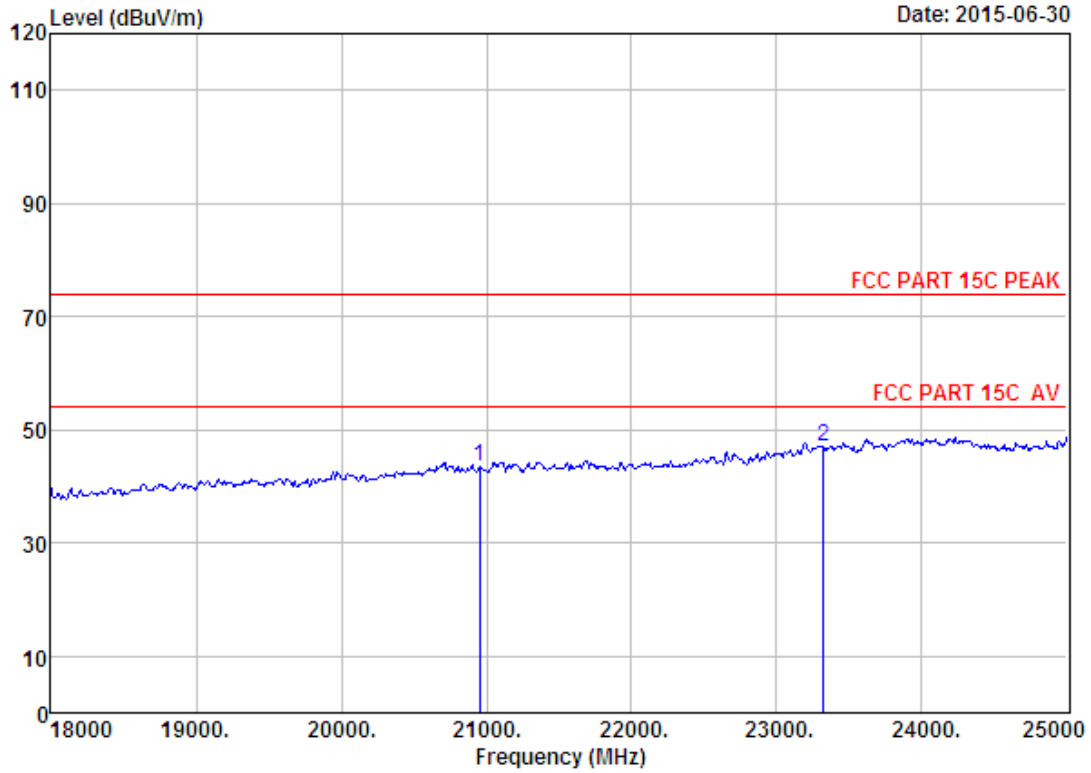
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 398
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna a

	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	21654.00	45.91	20.41	35.22	14.47	45.57	74.00	28.43	Peak
2	23446.00	45.69	21.55	33.38	15.82	49.68	74.00	24.32	Peak

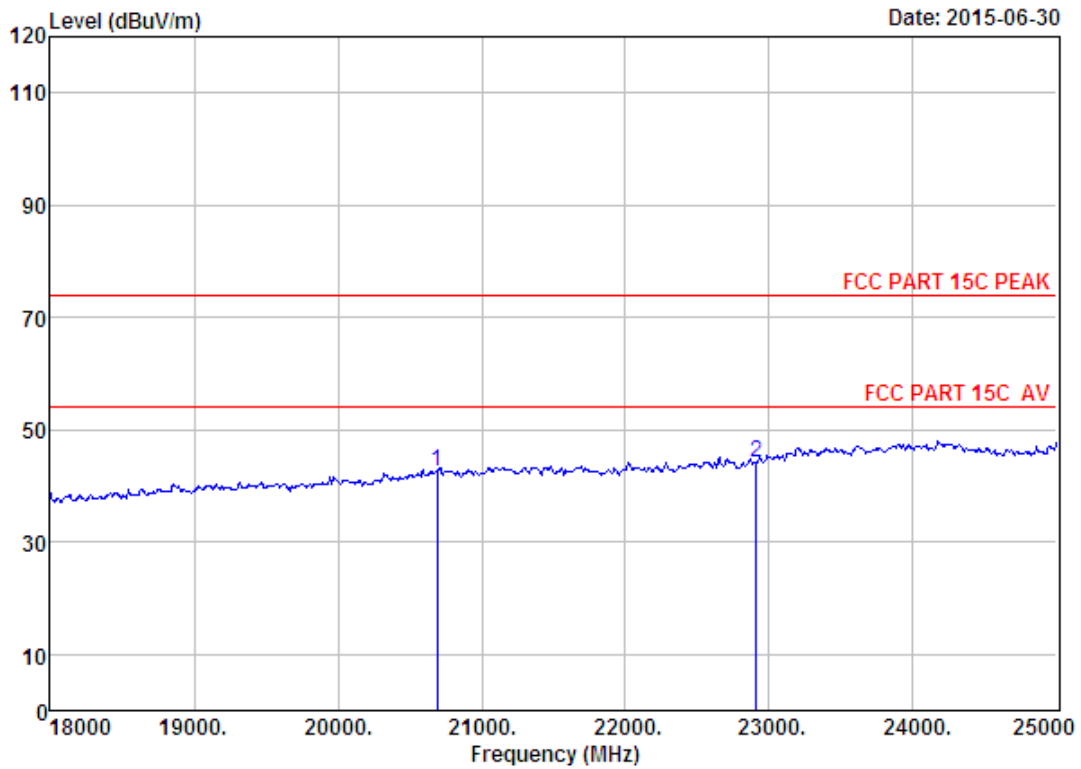
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 399
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6%;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	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	20954.00	46.27	20.11	35.85	12.99	43.52	74.00	30.48	Peak
2	23320.00	45.67	21.43	33.51	13.52	47.11	74.00	26.89	Peak

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



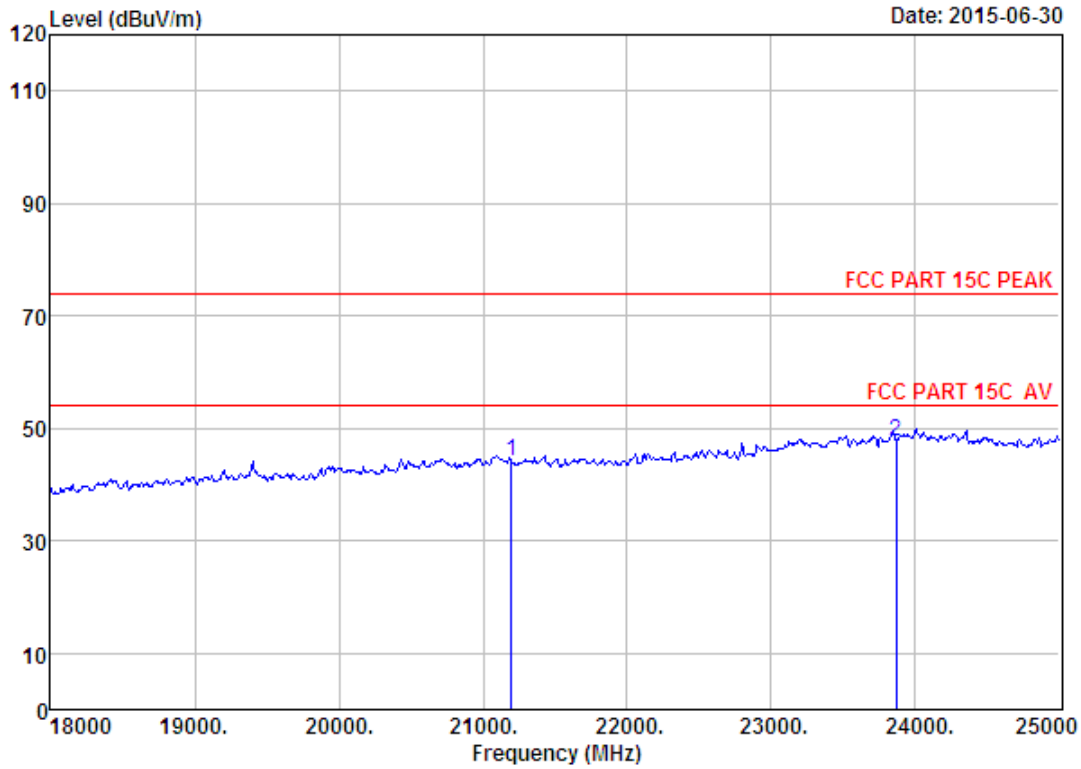
Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 400
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna a

	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	20688.00	46.11	19.99	36.07	12.60	42.63	74.00	31.37	Peak
2	22907.00	45.64	21.09	33.96	11.52	44.29	74.00	29.71	Peak

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

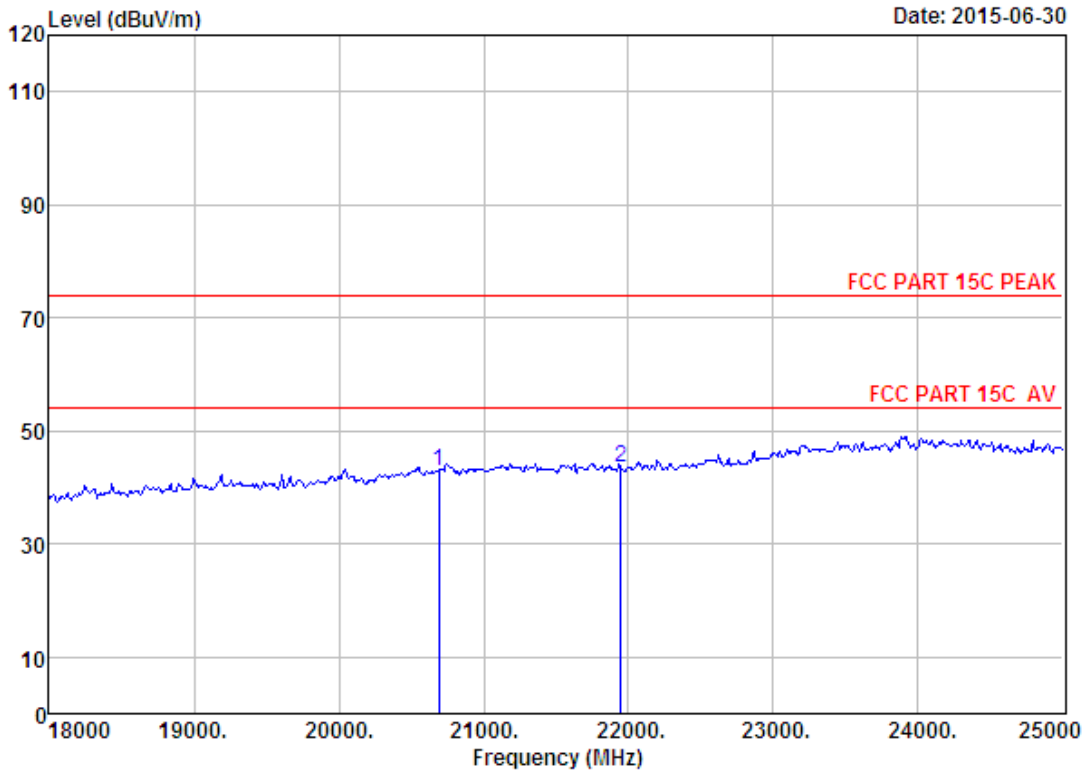




Site no. : 1# 966 chamber Data no. : 401
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	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	21199.00	46.18	20.22	35.62	13.41	44.19	74.00	29.81	Peak
2	23866.00	45.63	21.93	32.93	13.16	47.79	74.00	26.21	Peak

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



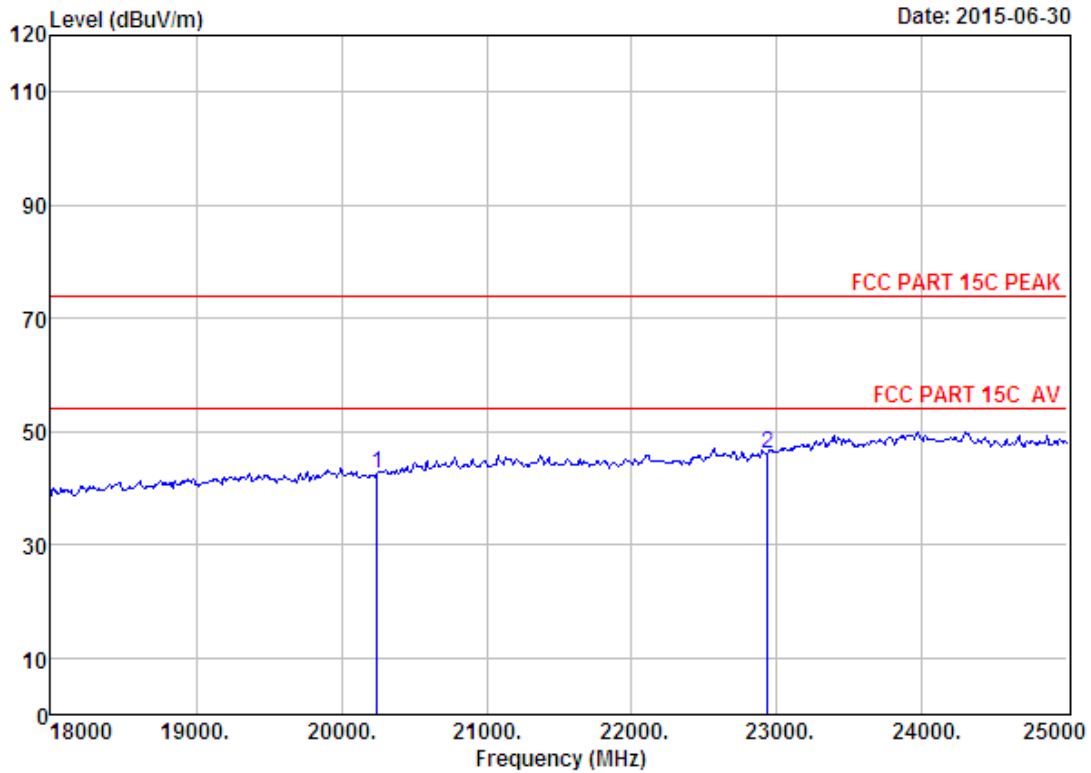
Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 402
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	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	20688.00	46.11	19.99	36.07	12.98	43.01	74.00	30.99	Peak
2	21948.00	45.74	20.54	34.94	12.23	43.57	74.00	30.43	Peak

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

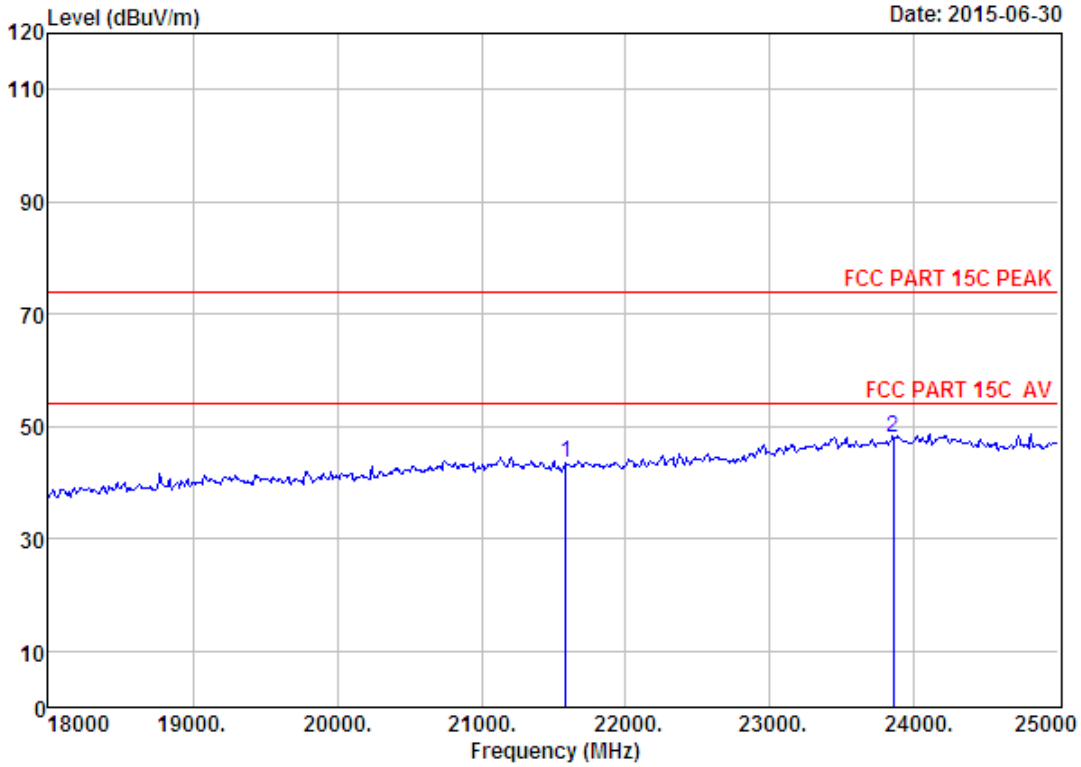




Site no. : 1# 966 chamber Data no. : 403
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	20247.00	46.05	19.79	36.48	13.09	42.45	74.00	31.55	Peak
2	22935.00	45.63	21.11	33.93	13.39	46.20	74.00	27.80	Peak

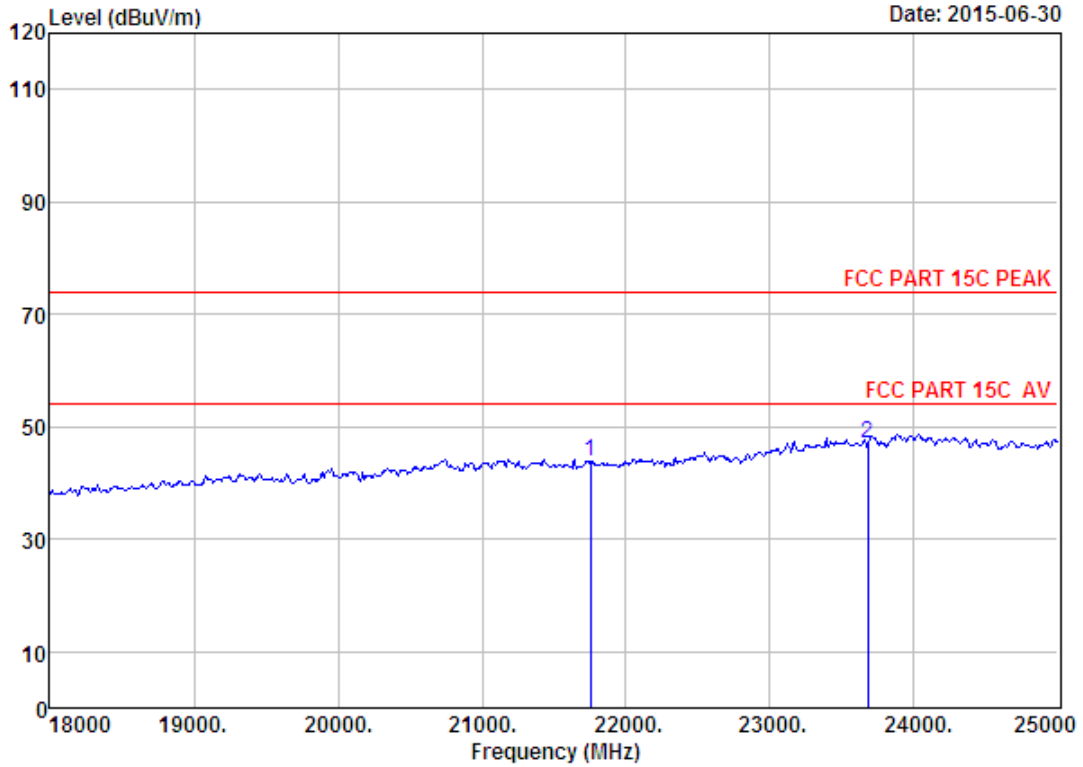
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 404
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	21584.00	45.95	20.38	35.28	12.39	43.44	74.00	30.56	Peak
2	23852.00	45.63	21.91	32.96	13.57	48.15	74.00	25.85	Peak

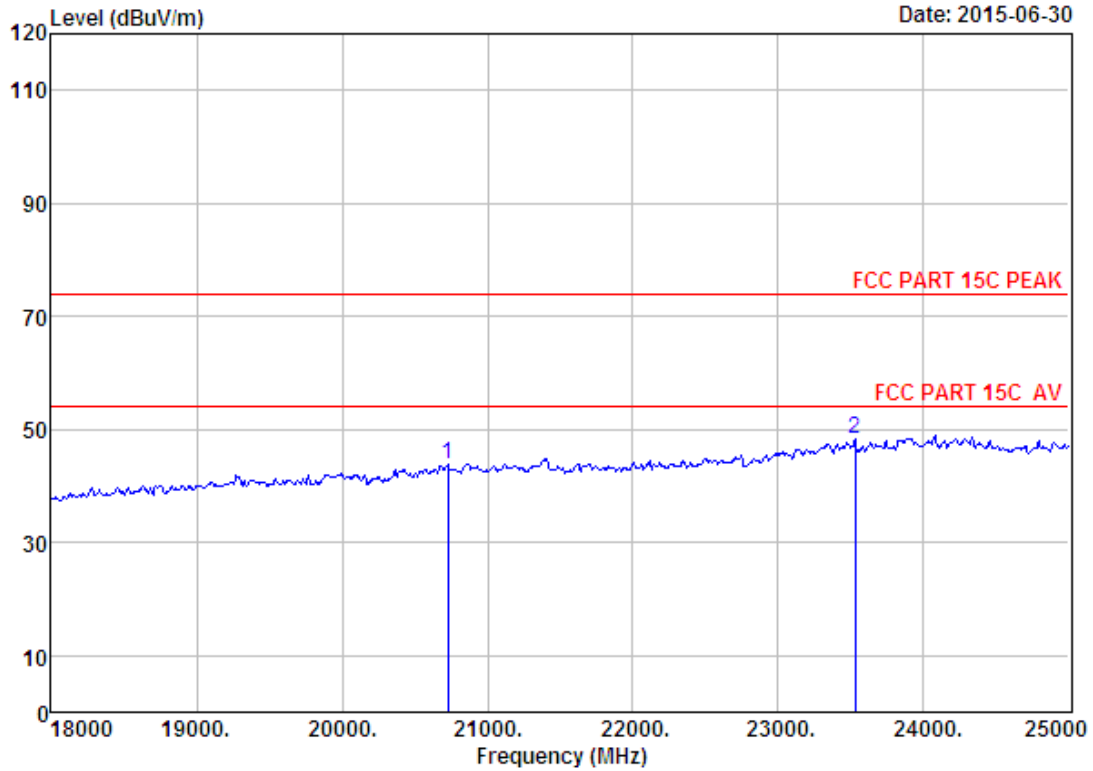
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 405
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	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	21752.00	45.84	20.46	35.12	12.51	43.69	74.00	30.31	Peak
2	23677.00	45.67	21.76	33.14	12.70	46.99	74.00	27.01	Peak

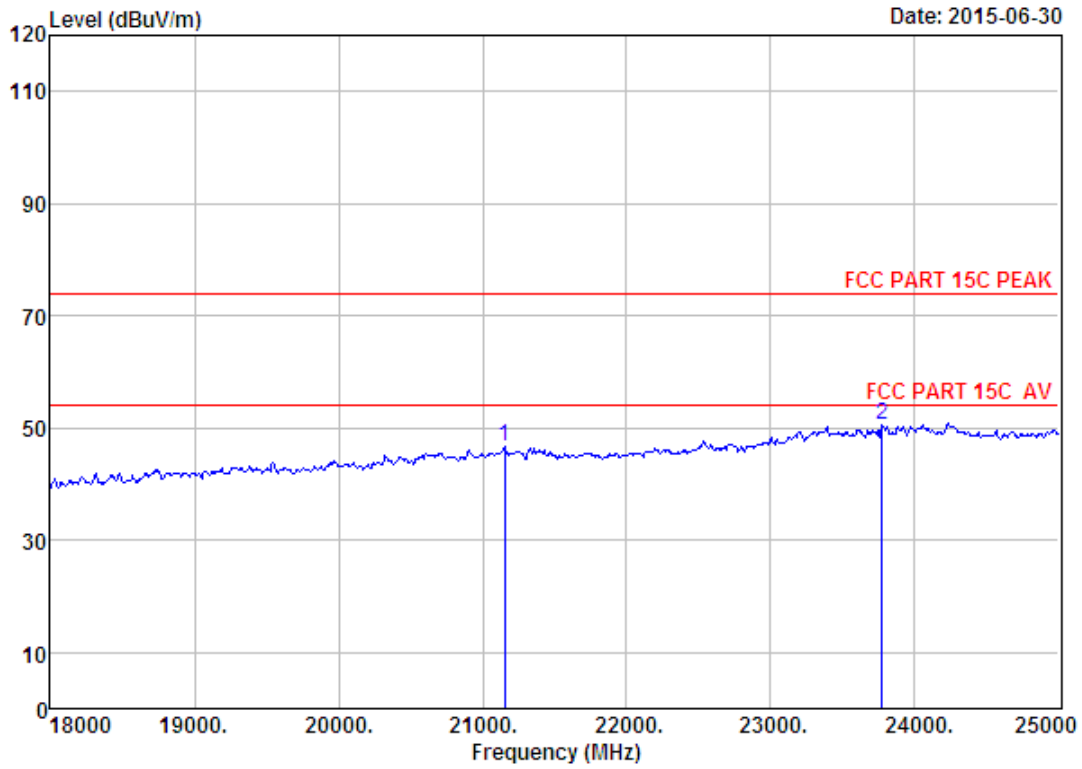
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 406
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna a

	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	20730.00	46.14	20.01	36.05	13.62	43.72	74.00	30.28	Peak
2	23530.00	45.70	21.62	33.30	14.17	48.19	74.00	25.81	Peak

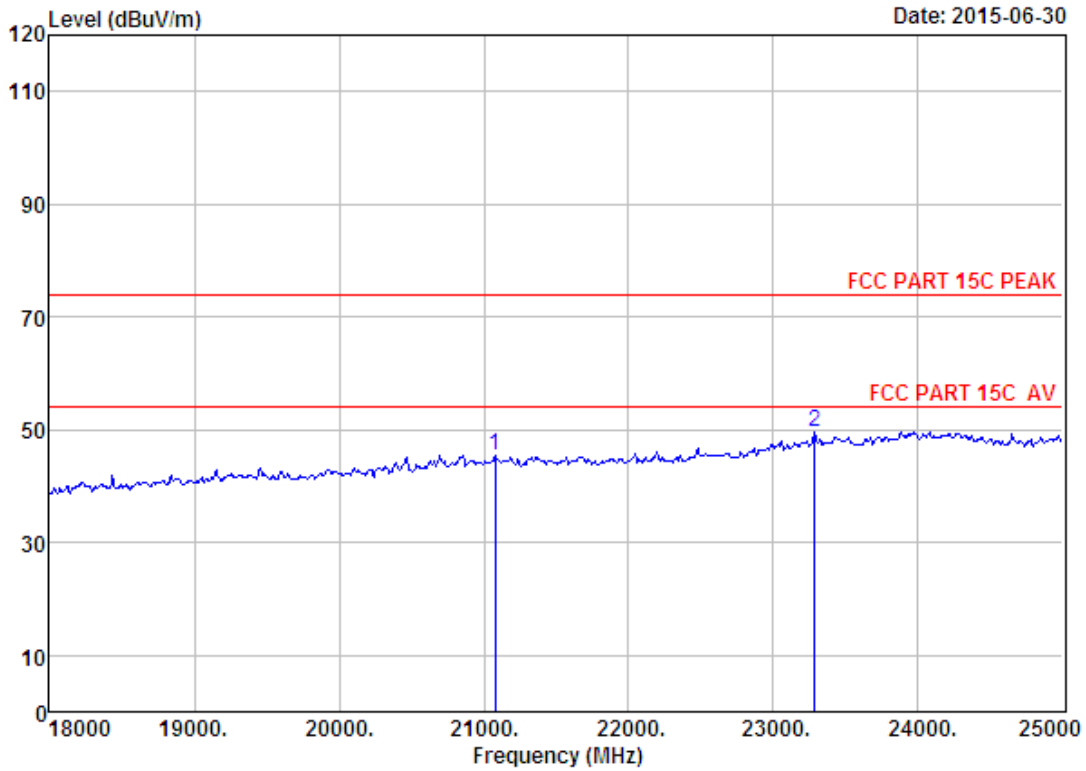
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 407
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	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	21150.00	46.21	20.20	35.67	15.85	46.59	74.00	27.41	Peak
2	23775.00	45.65	21.85	33.04	16.18	50.64	74.00	23.36	Peak

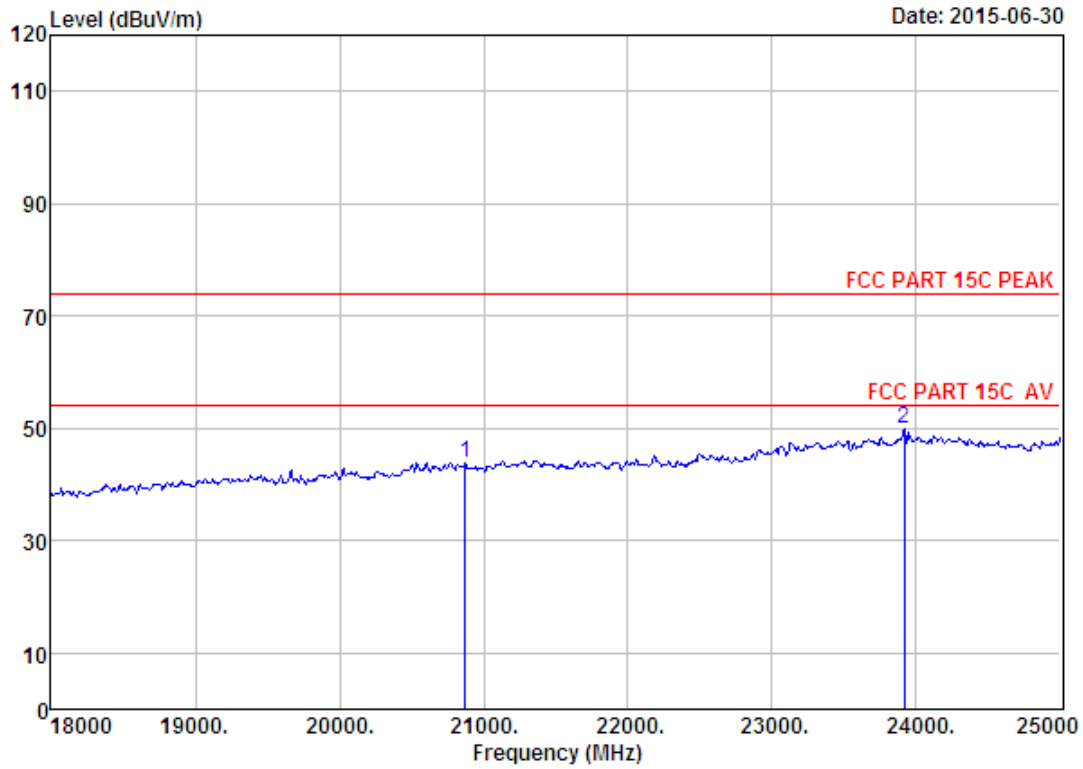
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 408
 Dis. / Ant. : 3m ANI ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	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	21080.00	46.25	20.16	35.73	14.82	45.50	74.00	28.50	Peak
2	23285.00	45.66	21.40	33.56	16.18	49.68	74.00	24.32	Peak

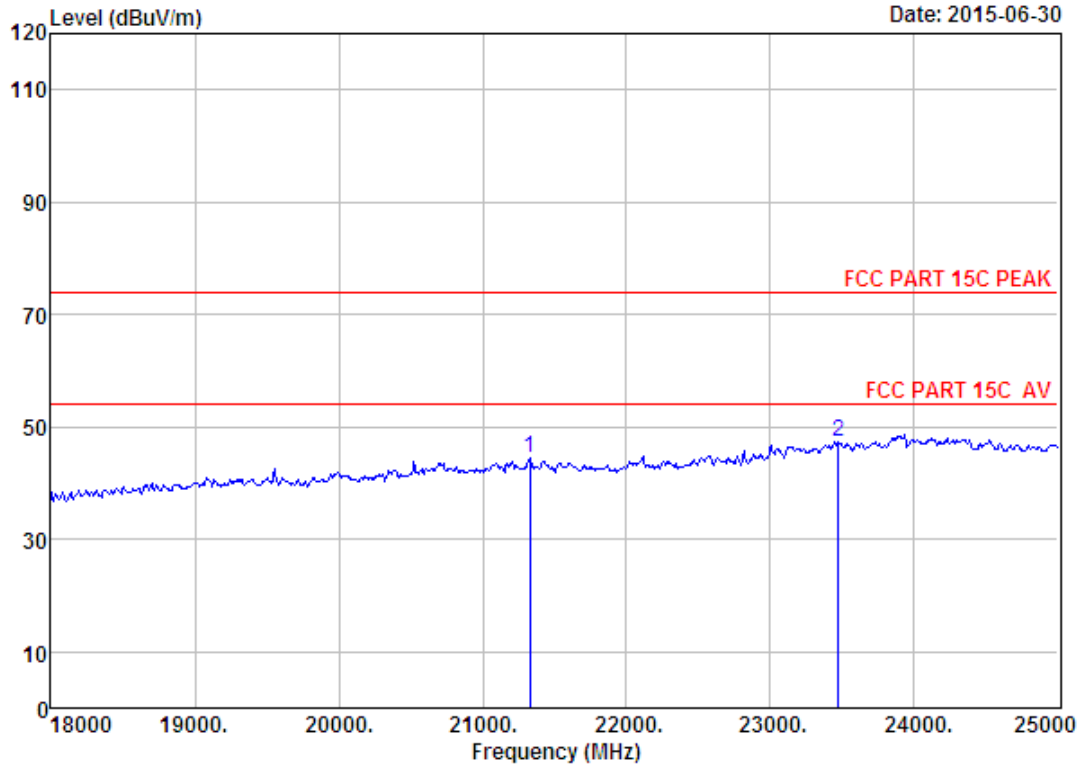
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 409
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	20870.00	46.22	20.07	35.91	13.58	43.96	74.00	30.04	Peak
2	23915.00	45.62	21.97	32.88	15.37	50.08	74.00	23.92	Peak

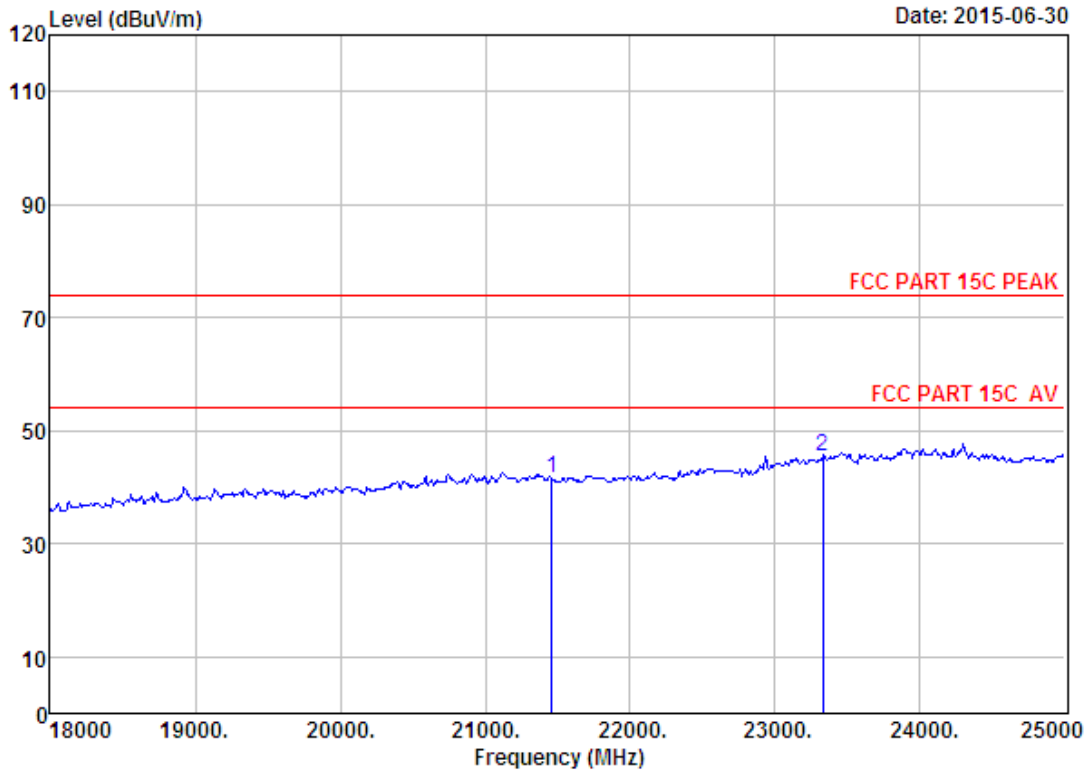
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 410
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	21325.00	46.10	20.27	35.51	13.59	44.45	74.00	29.55	Peak
2	23474.00	45.70	21.57	33.35	13.53	47.45	74.00	26.55	Peak

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

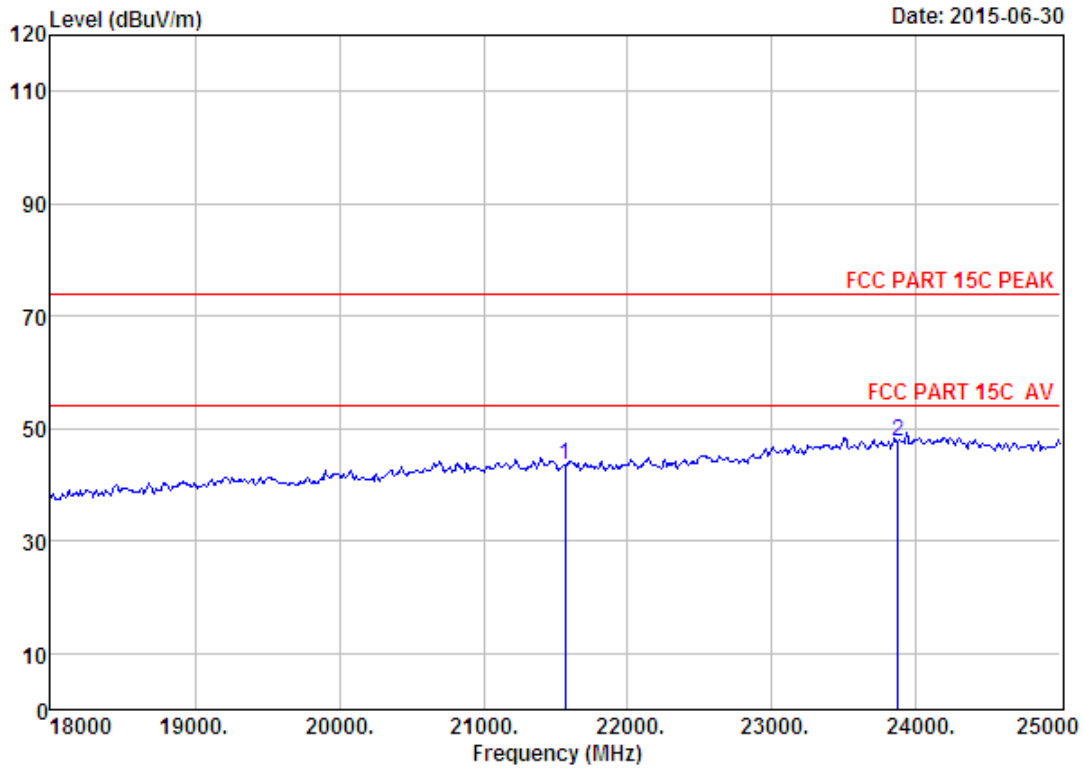


Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 411
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	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	21458.00	46.03	20.33	35.40	10.56	41.52	74.00	32.48	Peak
2	23327.00	45.67	21.44	33.51	11.69	45.29	74.00	28.71	Peak

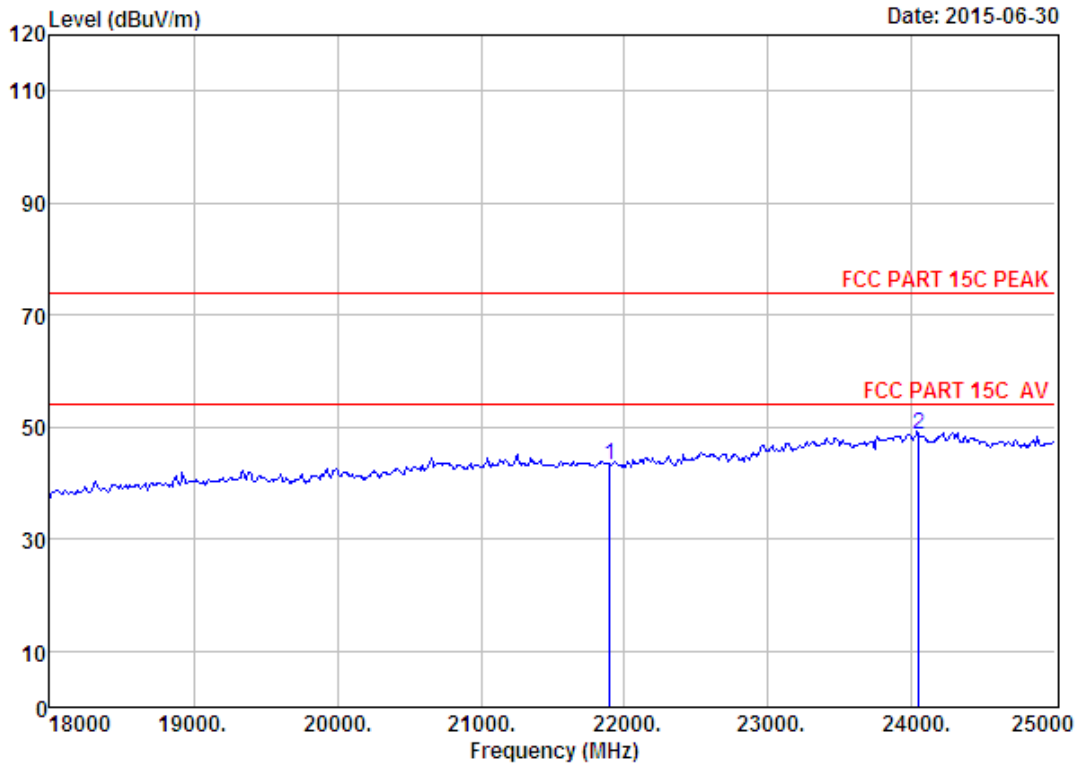
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 412
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna a

	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	21563.00	45.96	20.37	35.28	12.35	43.40	74.00	30.60	Peak
2	23873.00	45.63	21.94	32.93	13.04	47.68	74.00	26.32	Peak

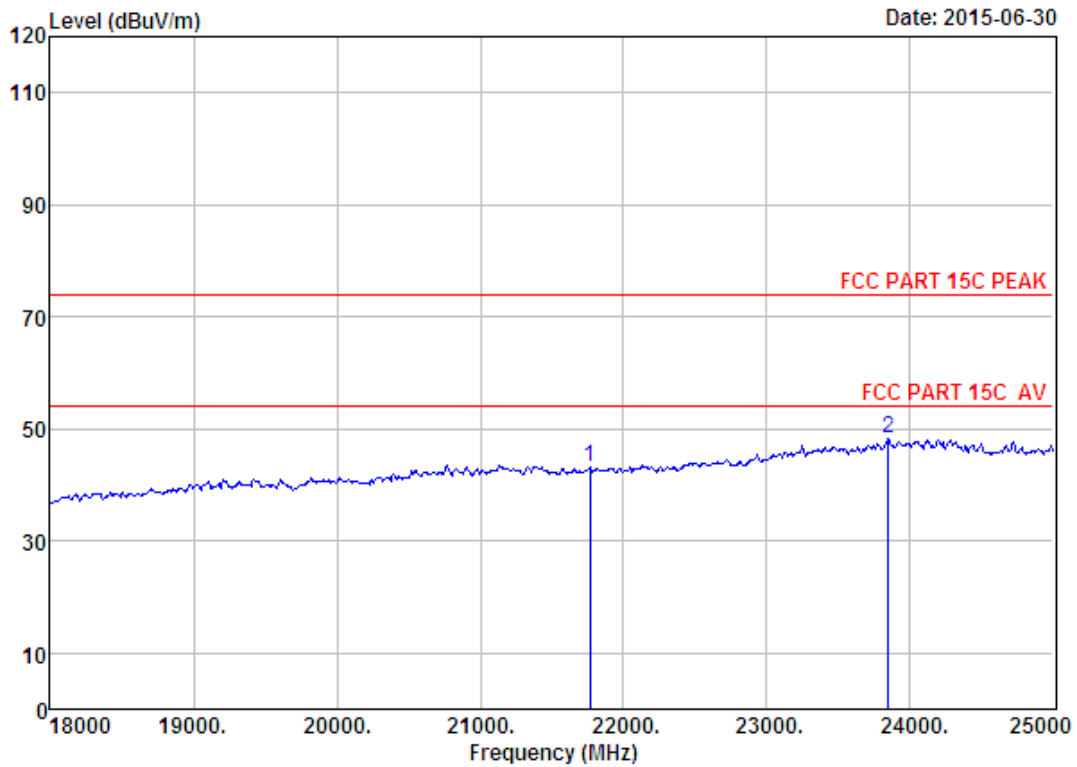
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 413
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	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	21899.00	45.77	20.52	34.99	11.96	43.26	74.00	30.74	Peak
2	24048.00	45.61	22.07	32.88	13.81	48.61	74.00	25.39	Peak

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

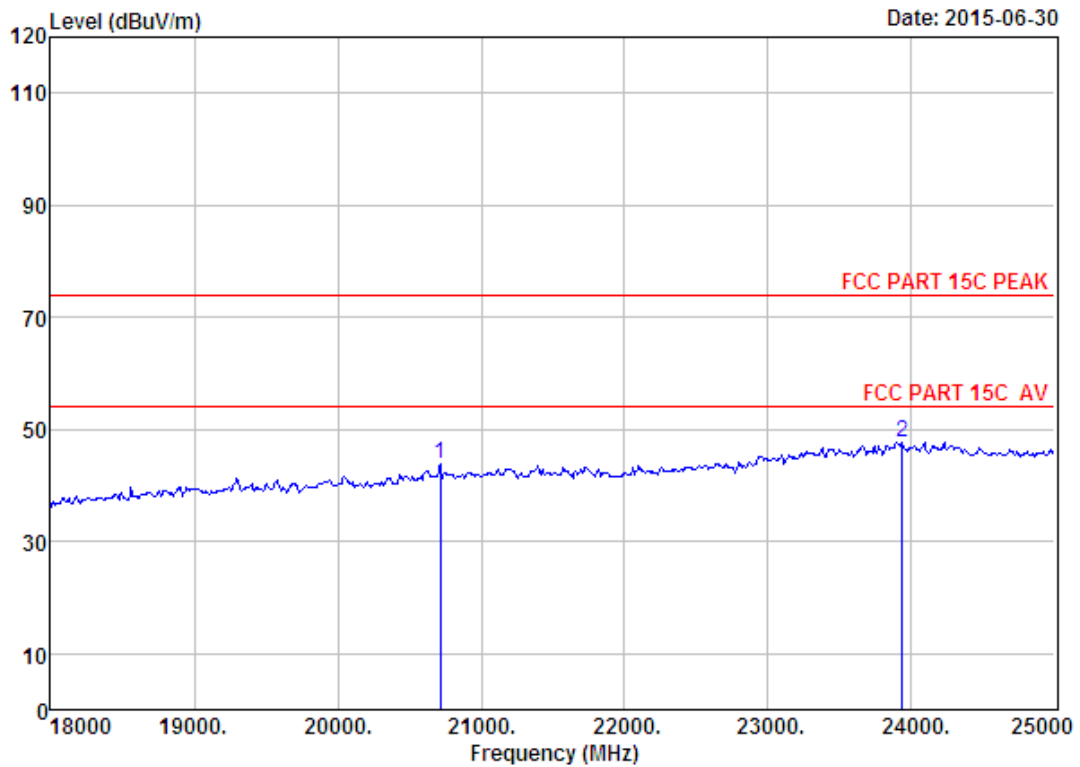


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Site no.       : 1# 966 chamber           Data no.   : 414
Dis. / Ant.    : 3m ANT ABOVE 18G       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.    : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : LED TV
Power         : AC 120V/60Hz
M/N           : WD65NC4190
Test Mode     : IEEE 802.11n HT20 CH13 2472TX
                Antenna a
    
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	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	21766.00	45.84	20.46	35.10	11.94	43.14	74.00	30.86	Peak
2	23845.00	45.63	21.90	32.96	13.77	48.34	74.00	25.66	Peak

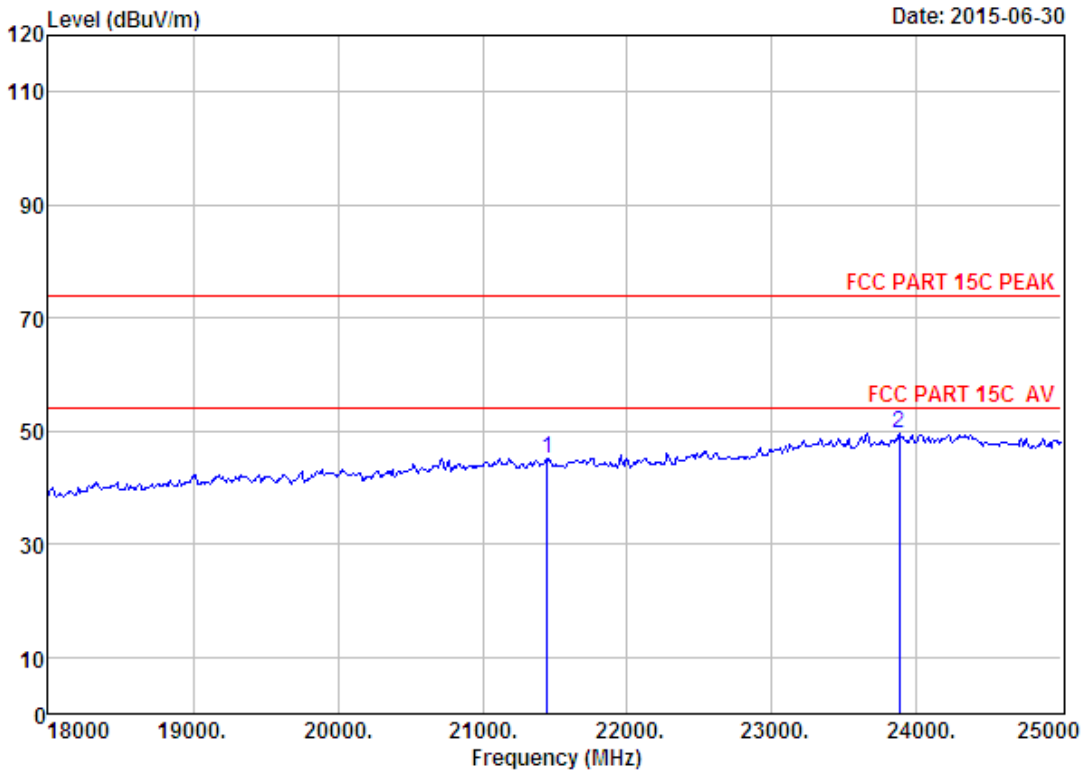
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 415
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	20716.00	46.12	20.00	36.05	13.83	43.90	74.00	30.10	Peak
2	23936.00	45.61	21.99	32.88	13.02	47.74	74.00	26.26	Peak

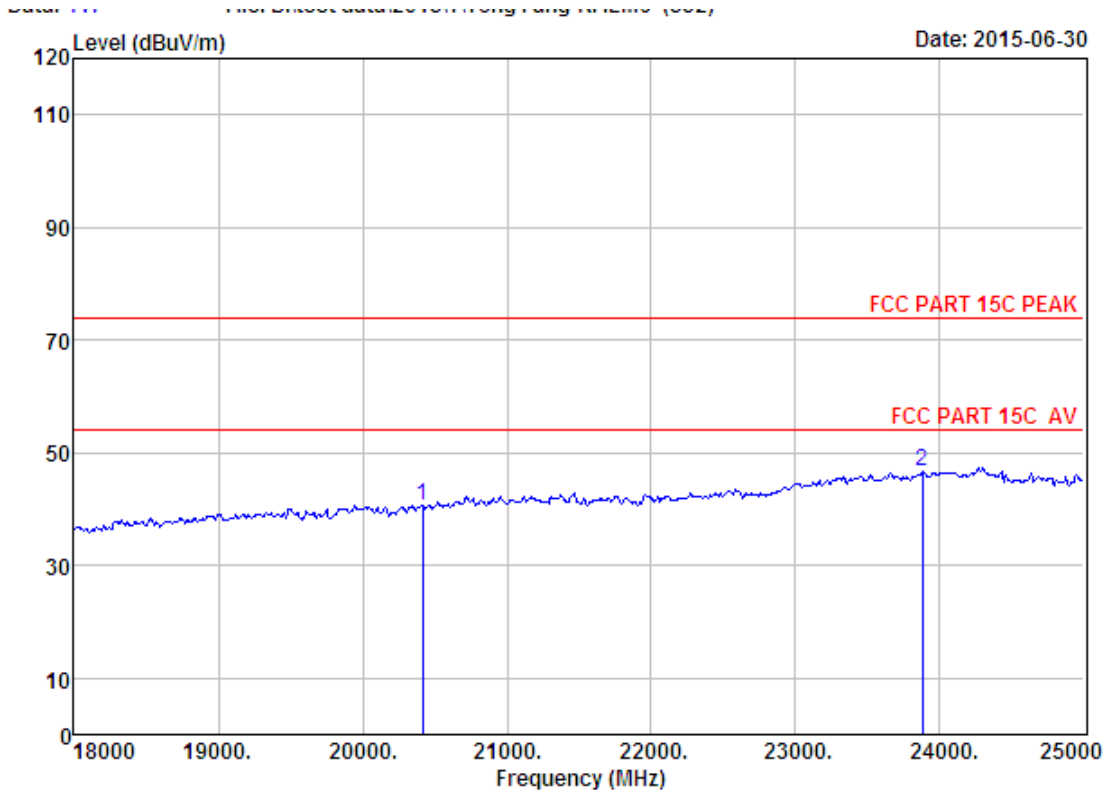
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 416
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	21444.00	46.03	20.32	35.40	14.30	45.25	74.00	28.75	Peak
2	23880.00	45.63	21.94	32.93	14.95	49.59	74.00	24.41	Peak

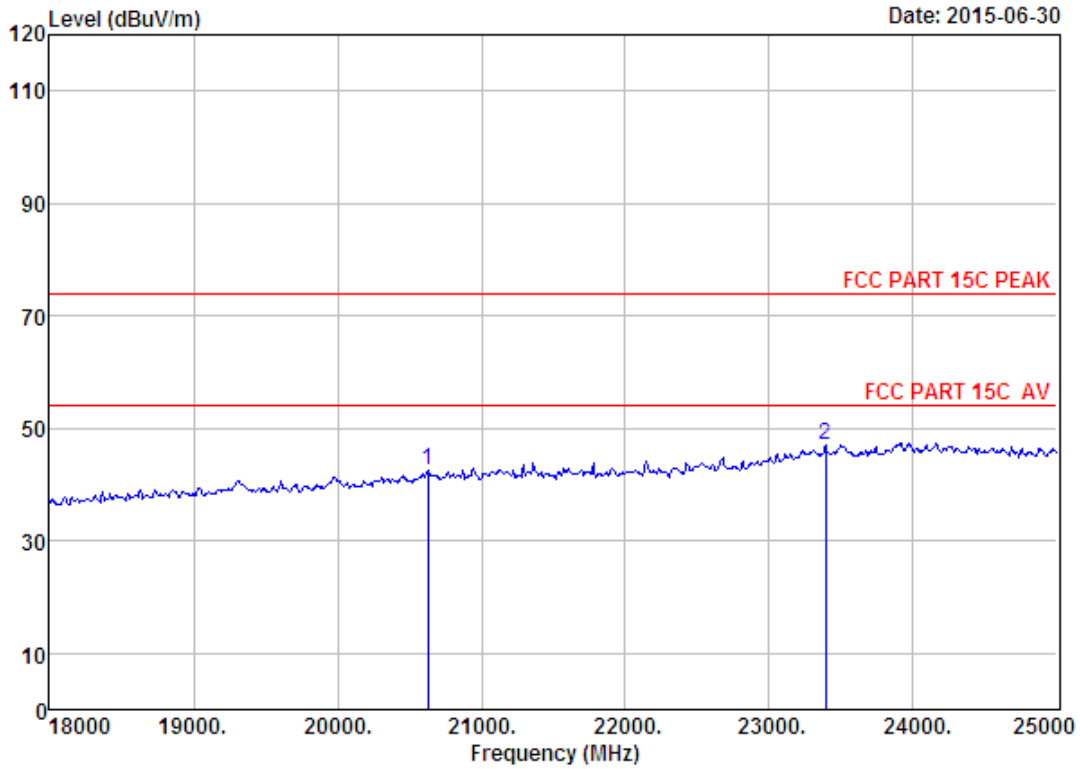
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 417
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	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	20415.00	46.02	19.87	36.32	11.20	40.77	74.00	33.23	Peak
2	23880.00	45.63	21.94	32.93	11.95	46.59	74.00	27.41	Peak

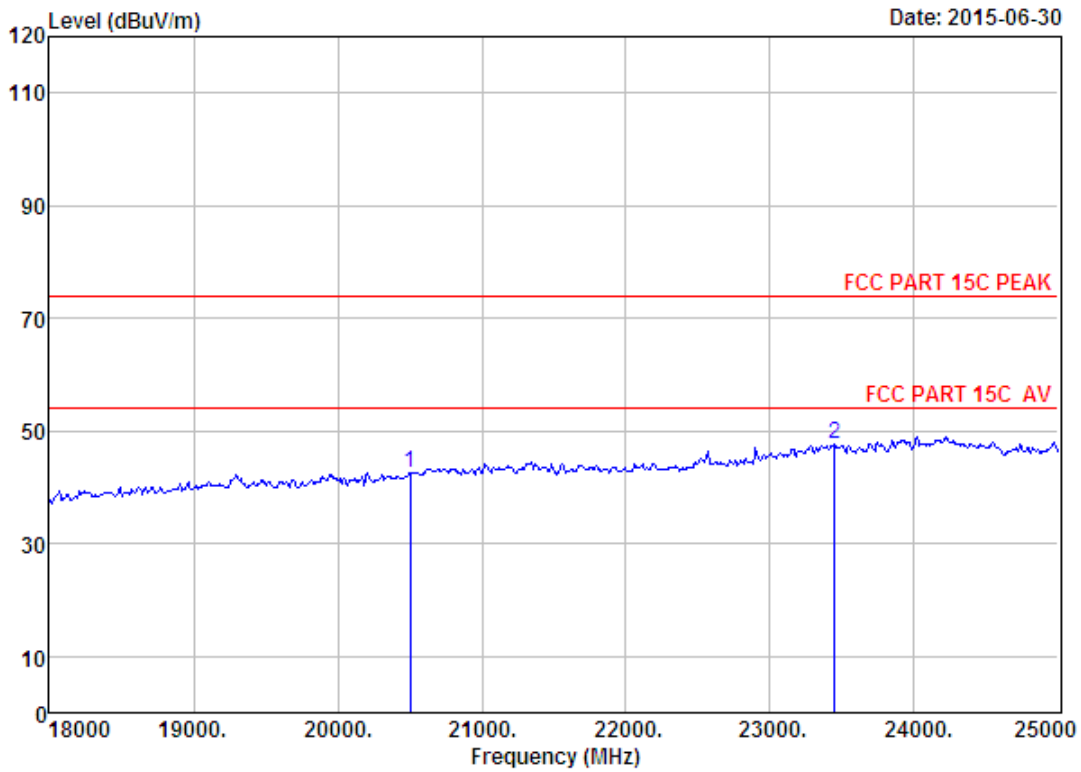
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 418
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna a

	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	20625.00	46.07	19.96	36.14	12.58	42.47	74.00	31.53	Peak
2	23390.00	45.68	21.50	33.43	13.16	46.91	74.00	27.09	Peak

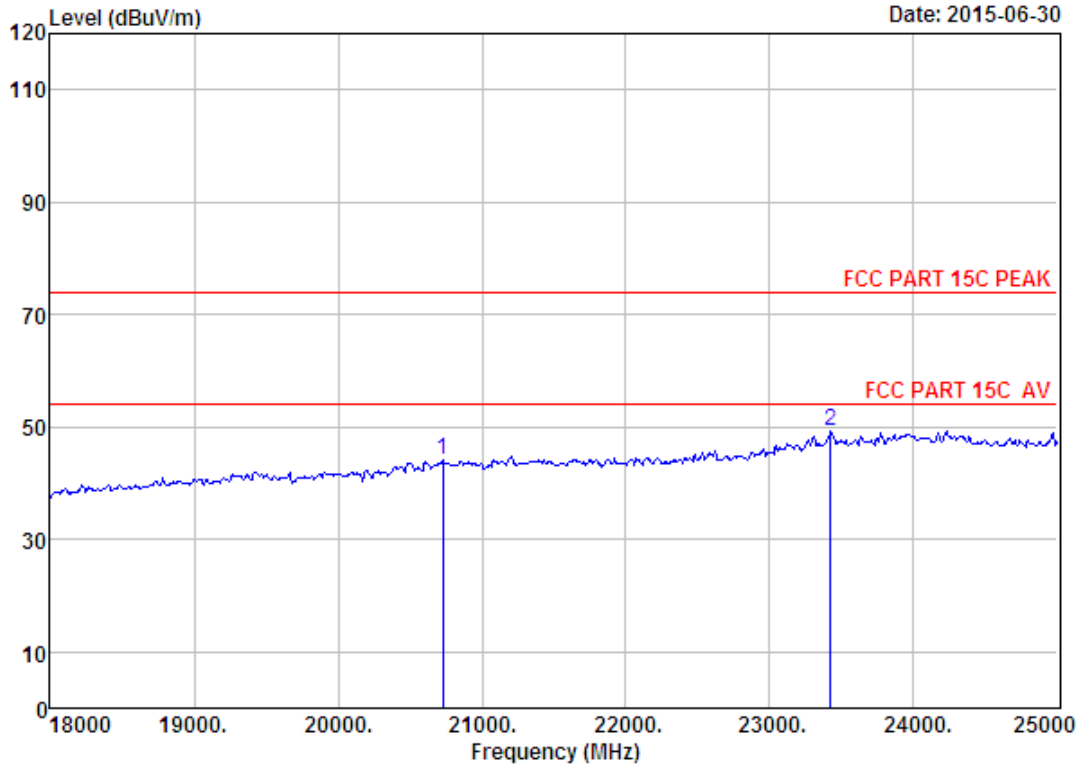
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 419
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

	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	20506.00	46.00	19.91	36.25	13.04	42.70	74.00	31.30	Peak
2	23446.00	45.69	21.55	33.38	13.84	47.70	74.00	26.30	Peak

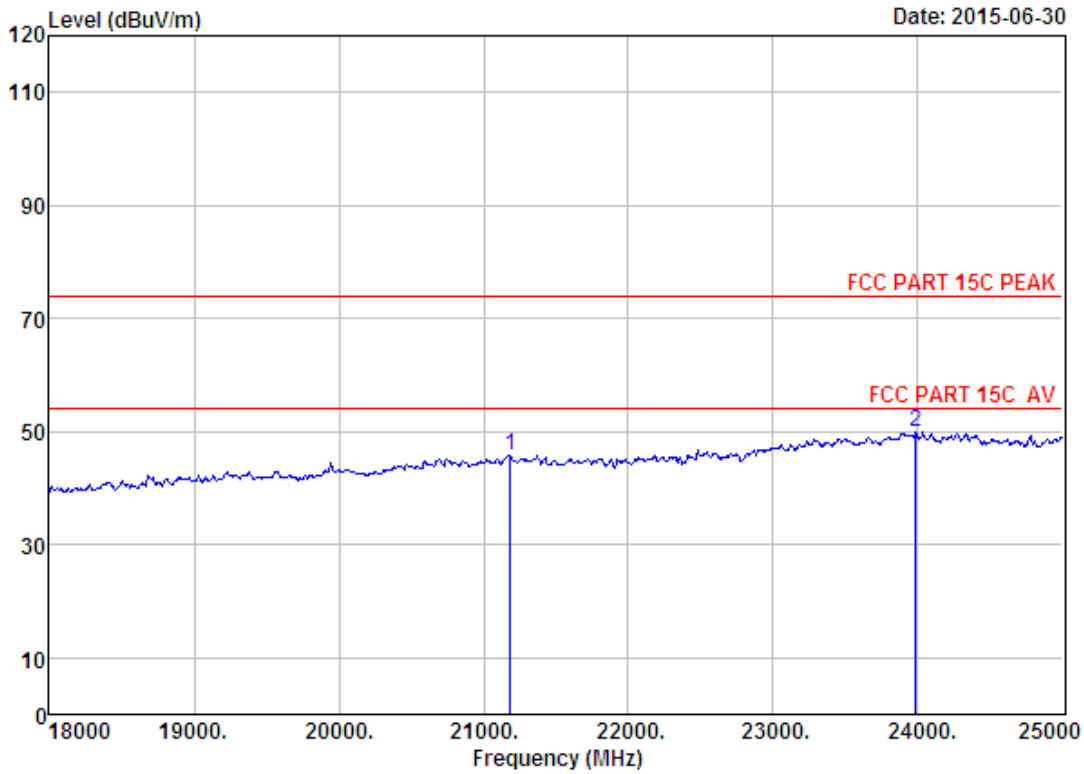
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 420
 Dis. / Ant. : 3m ANI ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

	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	20730.00	46.14	20.01	36.05	14.08	44.18	74.00	29.82	Peak
2	23425.00	45.69	21.53	33.40	15.43	49.25	74.00	24.75	Peak

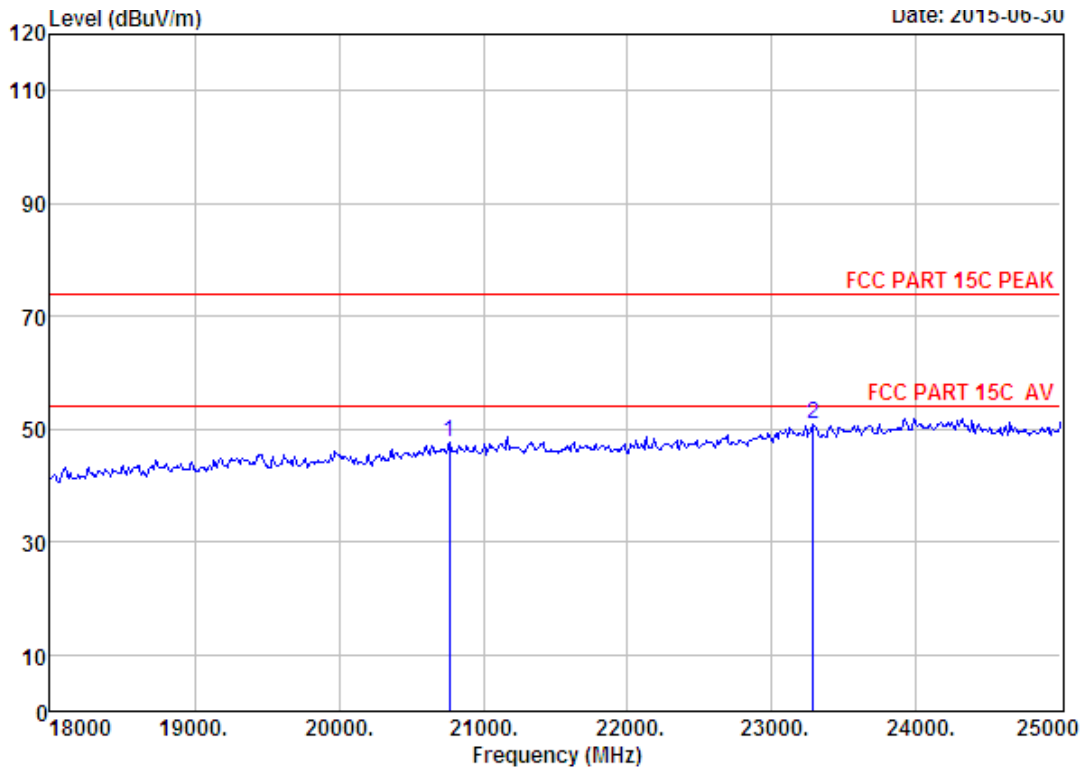
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 509
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	21185.00	46.18	20.21	35.64	15.10	45.85	74.00	28.15	Peak
2	23985.00	45.60	22.03	32.83	15.07	49.87	74.00	24.13	Peak

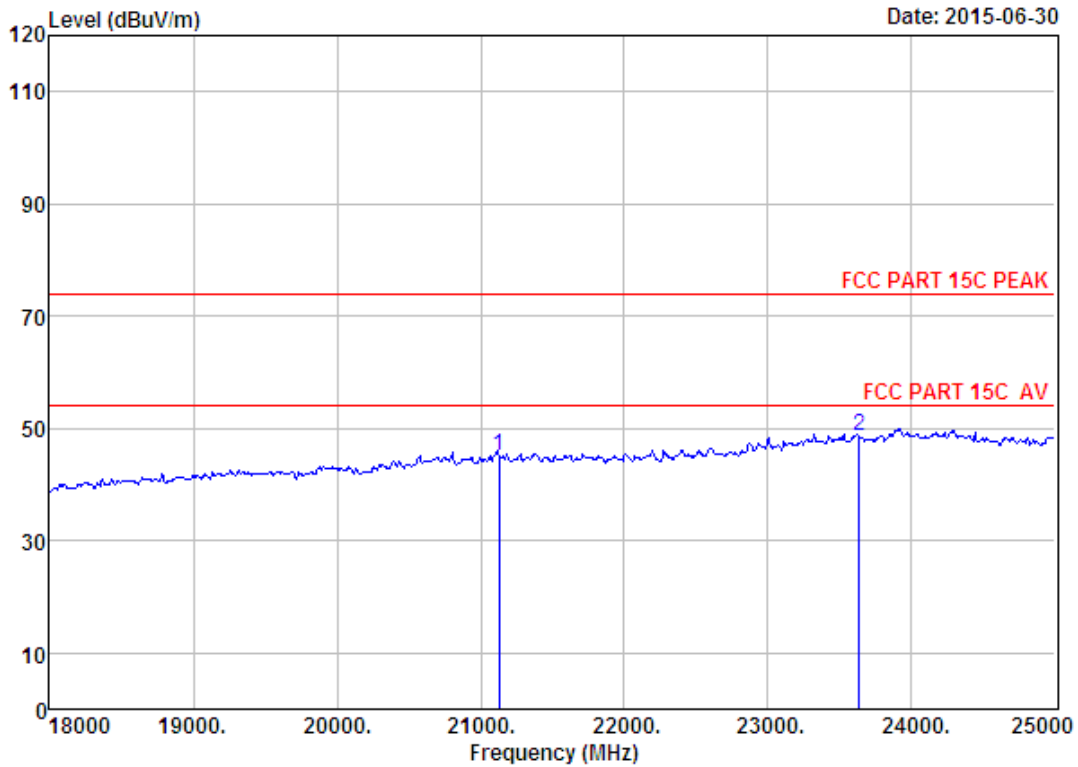
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 510
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	20765.00	46.16	20.02	36.00	17.52	47.70	74.00	26.30	Peak
2	23285.00	45.66	21.40	33.56	17.27	50.77	74.00	23.23	Peak

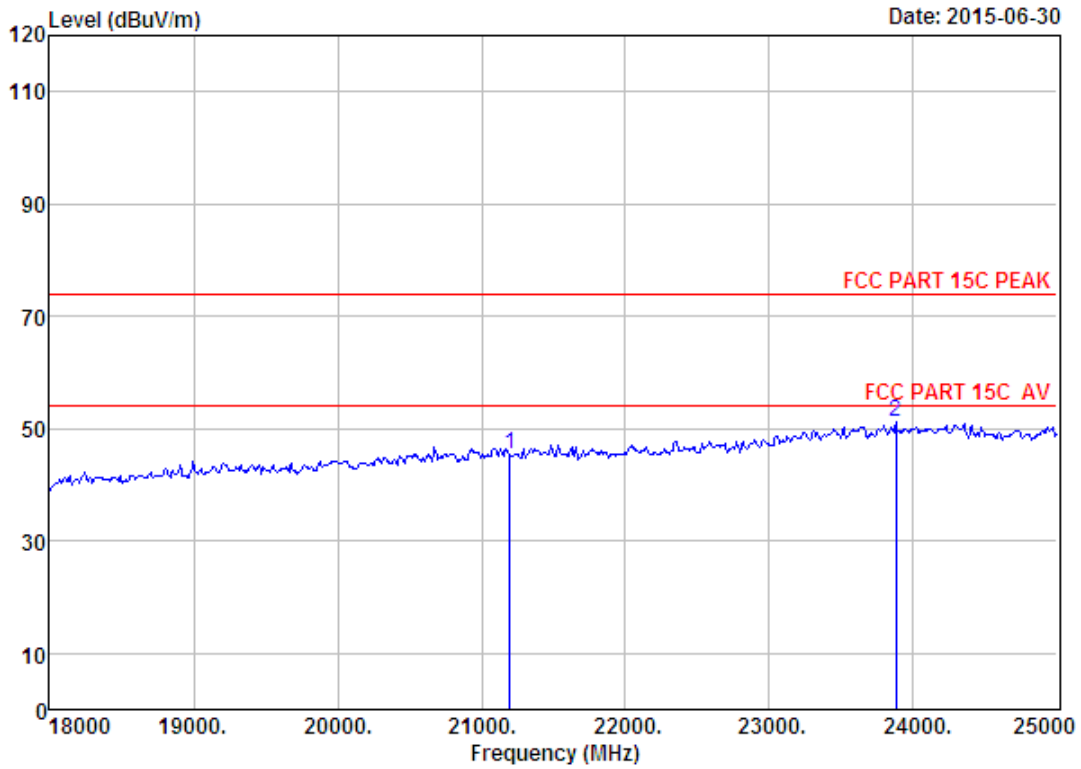
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 511
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna b

	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	21129.00	46.22	20.19	35.69	14.37	45.09	74.00	28.91	Peak
2	23635.00	45.67	21.72	33.19	14.33	48.53	74.00	25.47	Peak

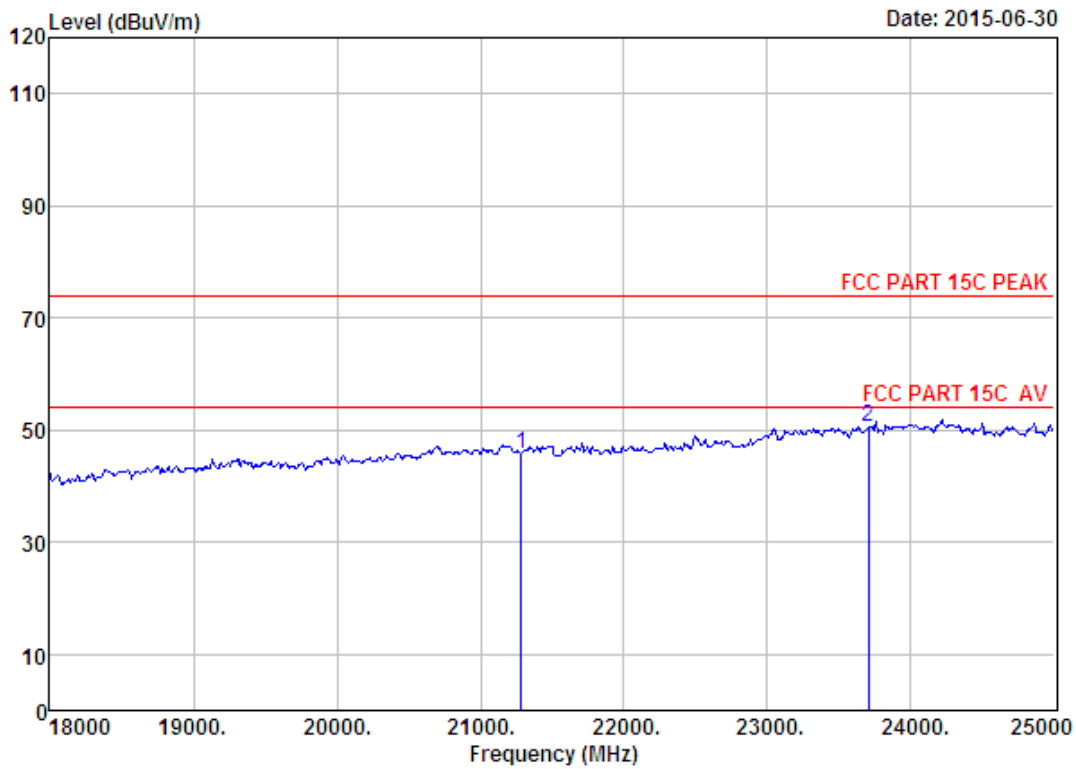
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 512
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH7 2442TX
 Antenna b

	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	21199.00	46.18	20.22	35.62	14.54	45.32	74.00	28.68	Peak
2	23880.00	45.63	21.94	32.93	16.47	51.11	74.00	22.89	Peak

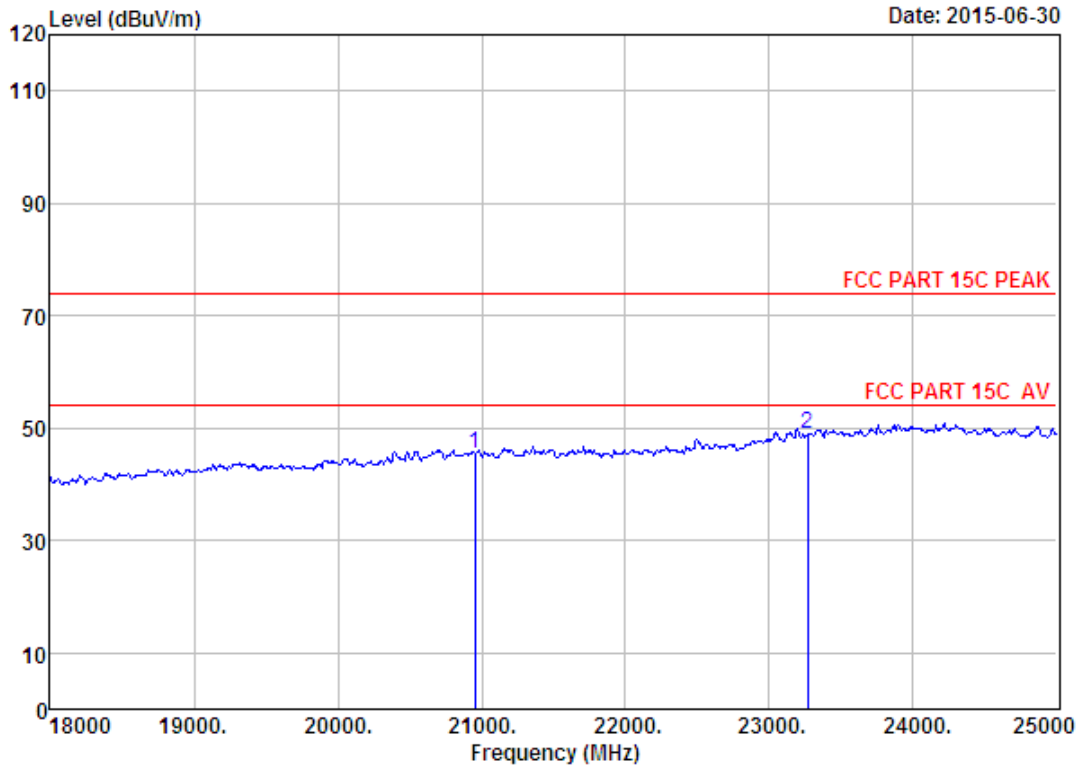
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 513
 Dis. / Ant. : 3m ANI ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21283.00	46.13	20.25	35.55	15.05	45.88	74.00	28.12	Peak
2	23705.00	45.66	21.78	33.11	16.16	50.49	74.00	23.51	Peak

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



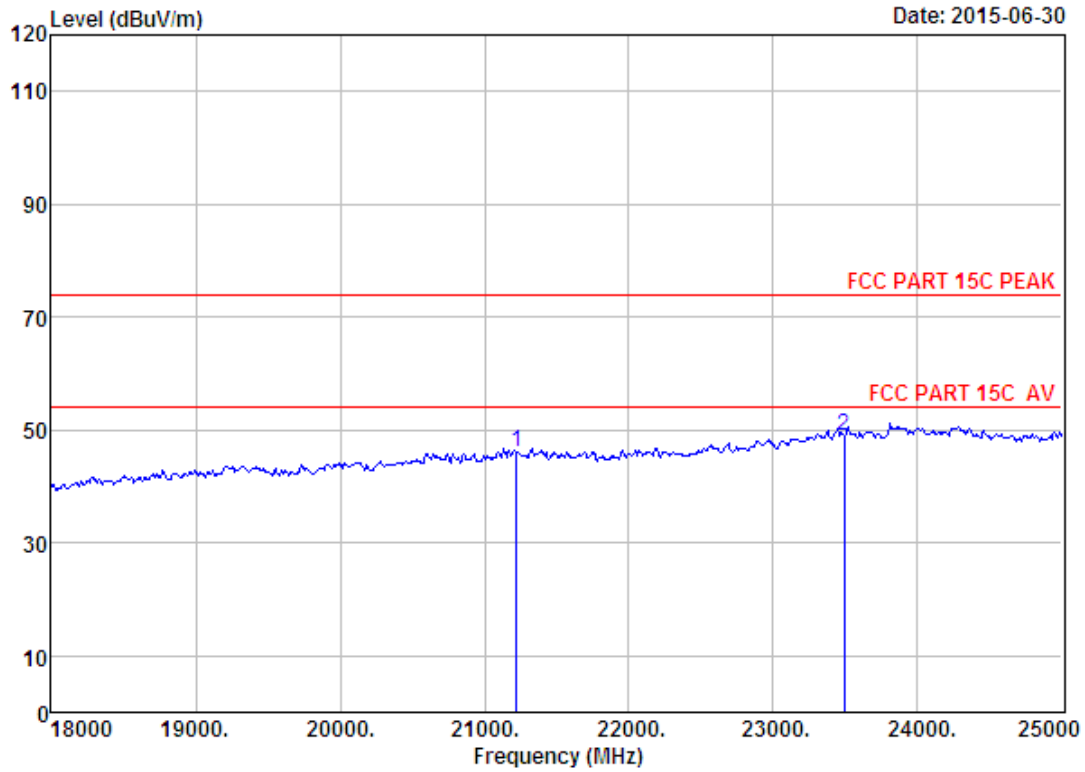
Date: 2015-06-30

Site no. : 1# 966 chamber Data no. : 514
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	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	20954.00	46.27	20.11	35.85	14.84	45.37	74.00	28.63	Peak
2	23264.00	45.65	21.39	33.56	15.56	49.04	74.00	24.96	Peak

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

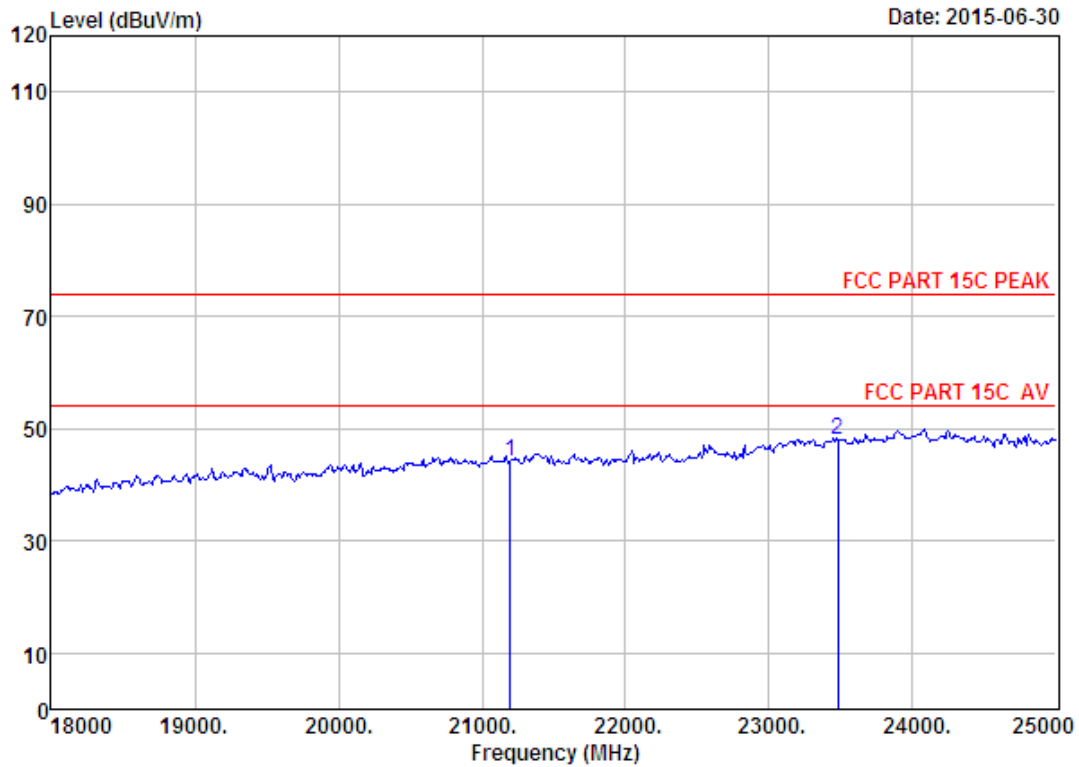




Site no. : 1# 966 chamber Data no. : 515
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	21220.00	46.17	20.23	35.60	15.28	46.08	74.00	27.92	Peak
2	23488.00	45.70	21.59	33.33	15.04	49.00	74.00	25.00	Peak

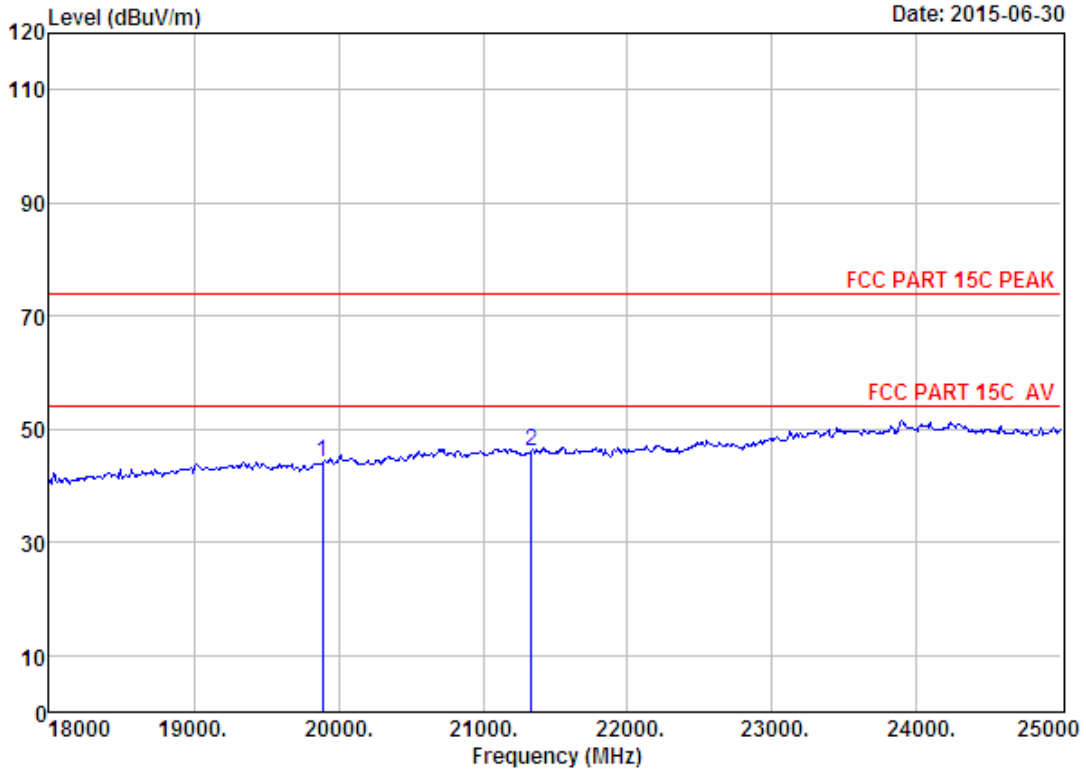
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 516
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	21199.00	46.18	20.22	35.62	13.50	44.28	74.00	29.72	Peak
2	23481.00	45.70	21.58	33.35	14.22	48.15	74.00	25.85	Peak

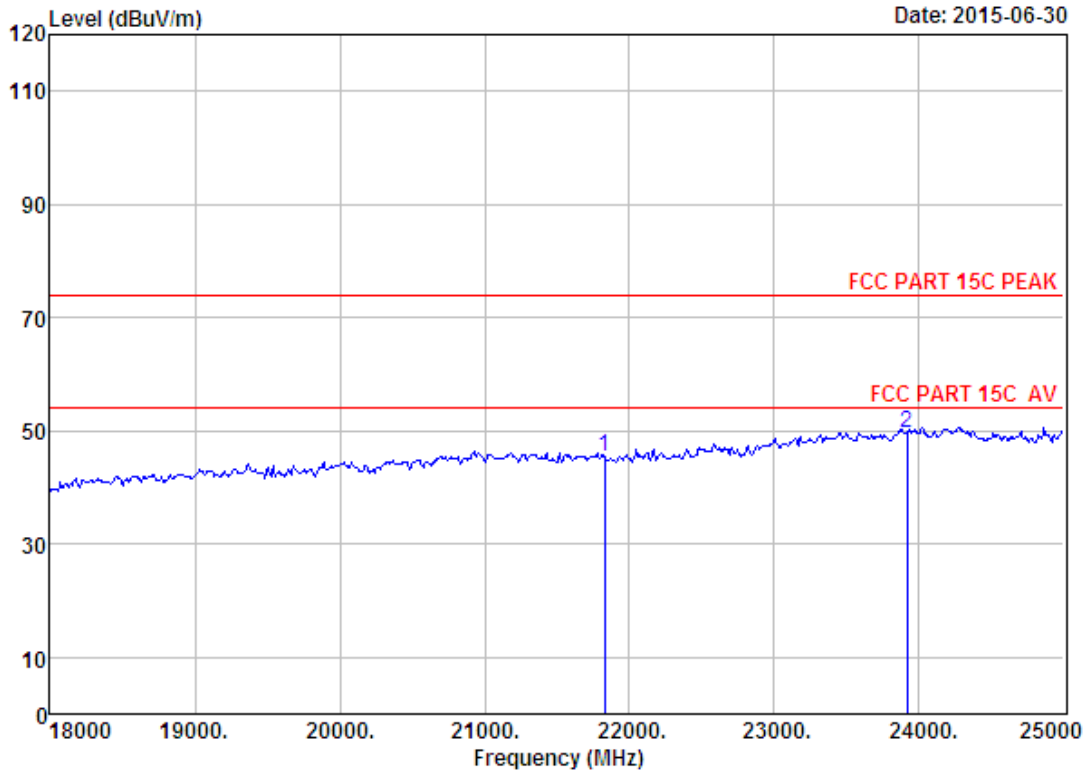
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 517
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	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	19890.00	46.06	19.56	36.62	15.02	44.02	74.00	29.98	Peak
2	21332.00	46.10	20.27	35.51	15.29	46.15	74.00	27.85	Peak

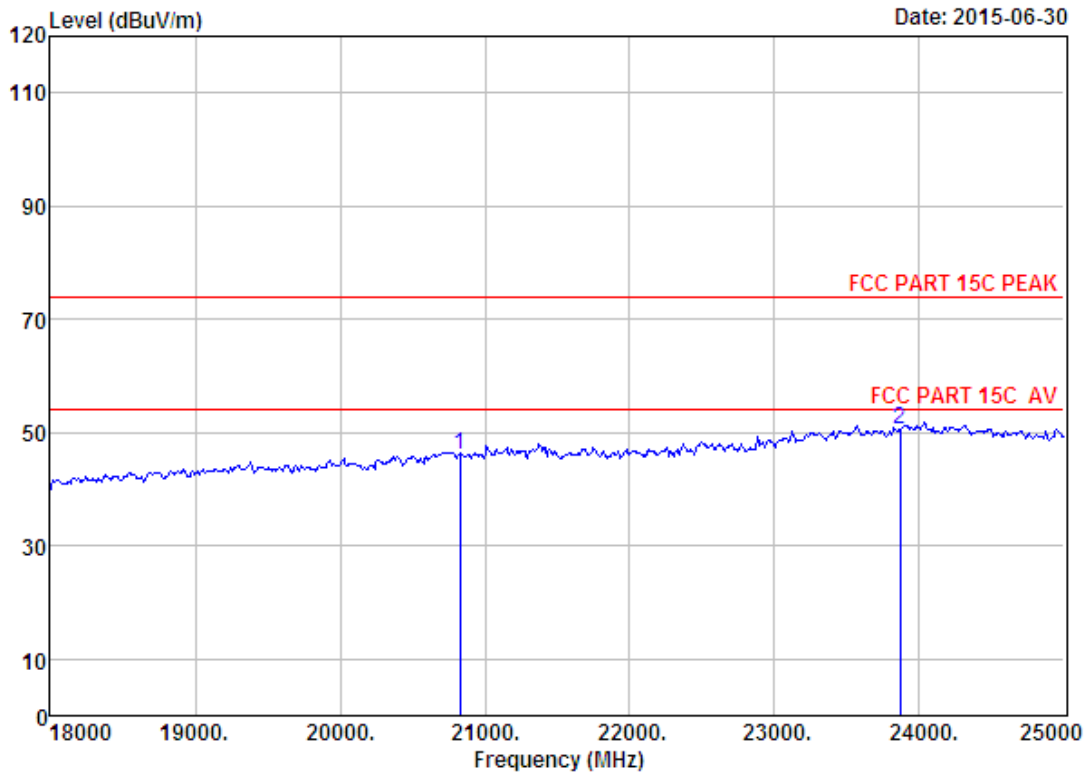
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 518
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH7 2442TX
 Antenna b

	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	21829.00	45.80	20.49	35.06	14.06	45.29	74.00	28.71	Peak
2	23915.00	45.62	21.97	32.88	14.91	49.62	74.00	24.38	Peak

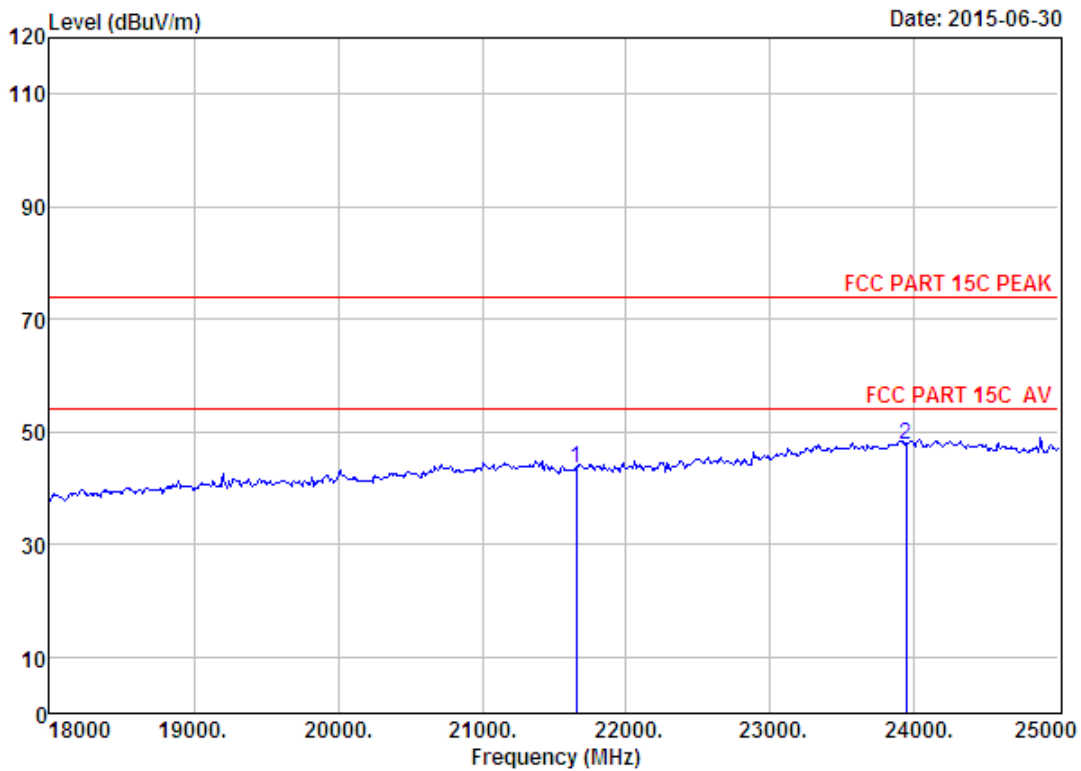
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 519
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	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	20828.00	46.20	20.05	35.96	15.91	46.20	74.00	27.80	Peak
2	23866.00	45.63	21.93	32.93	16.04	50.67	74.00	23.33	Peak

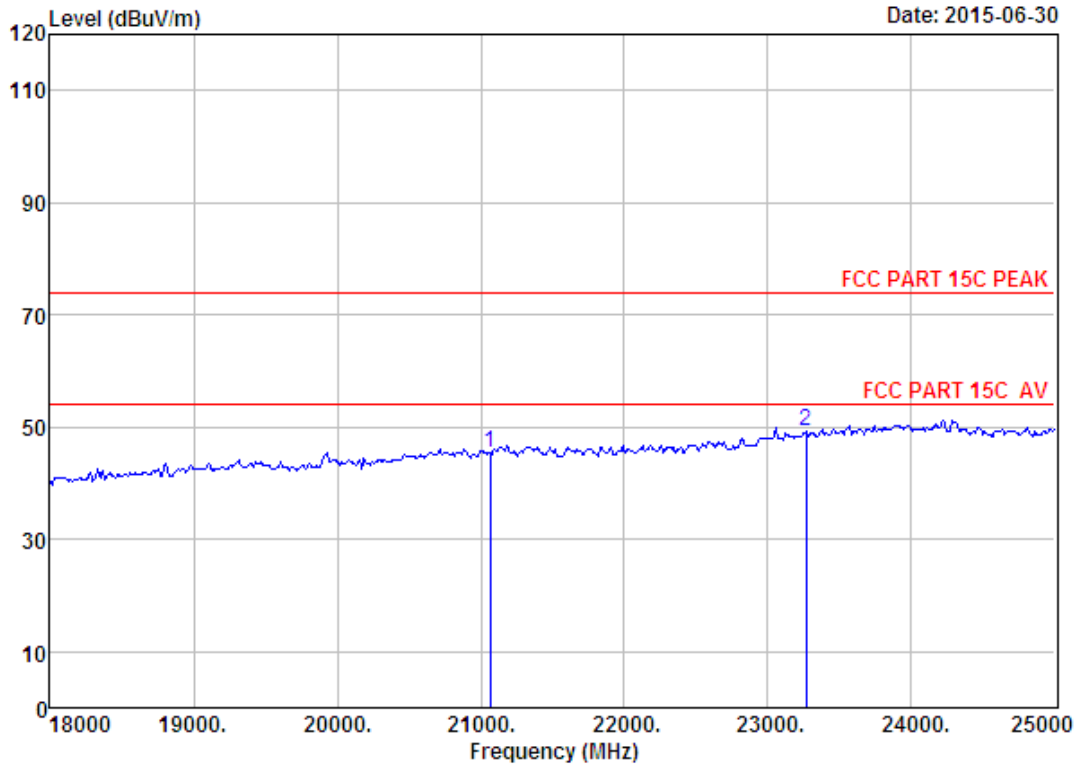
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 520
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	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	21654.00	45.91	20.41	35.22	12.52	43.62	74.00	30.38	Peak
2	23943.00	45.61	21.99	32.85	13.04	47.79	74.00	26.21	Peak

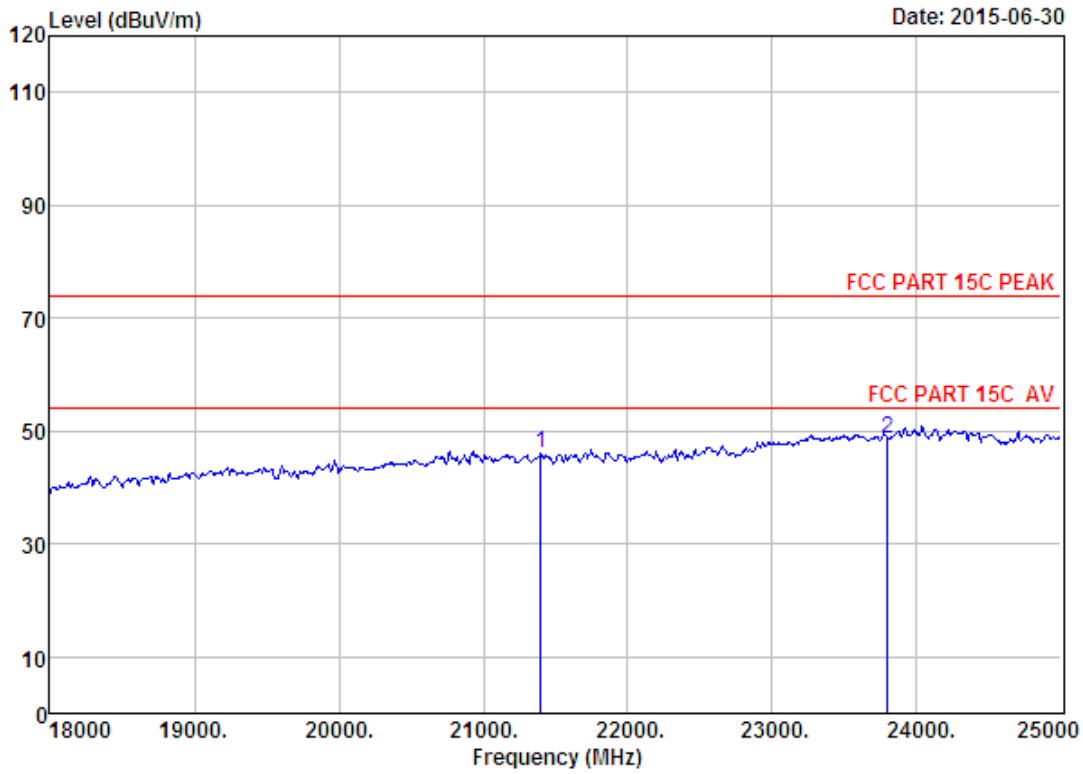
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 521
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	21066.00	46.26	20.16	35.73	14.79	45.48	74.00	28.52	Peak
2	23264.00	45.65	21.39	33.56	15.65	49.13	74.00	24.87	Peak

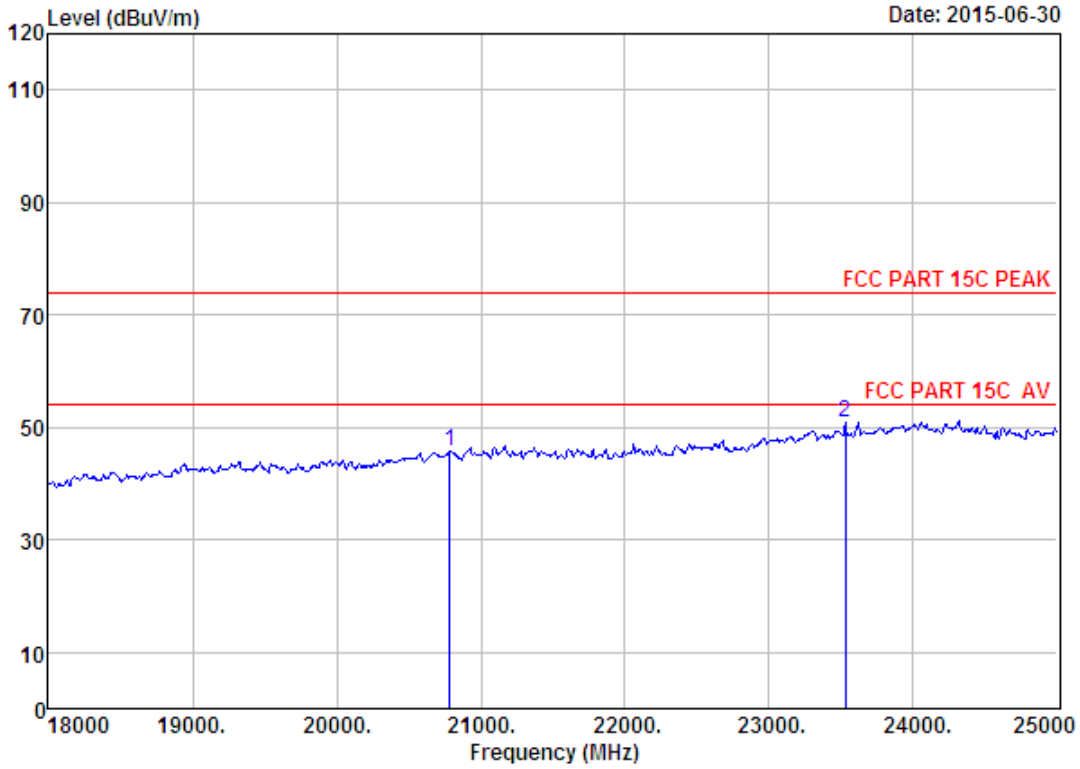
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 522
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	21395.00	46.07	20.30	35.44	15.05	45.98	74.00	28.02	Peak
2	23796.00	45.64	21.86	33.01	14.13	48.62	74.00	25.38	Peak

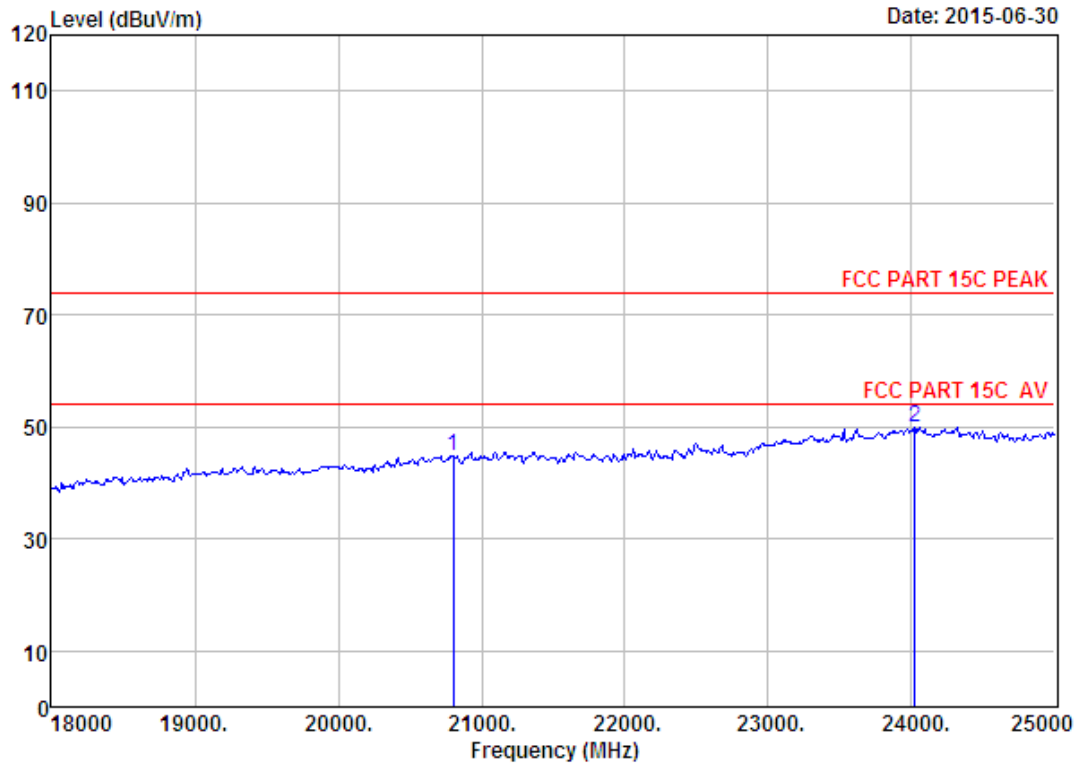
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 523
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

	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	20786.00	46.18	20.04	36.00	15.48	45.70	74.00	28.30	Peak
2	23530.00	45.70	21.62	33.30	16.73	50.75	74.00	23.25	Peak

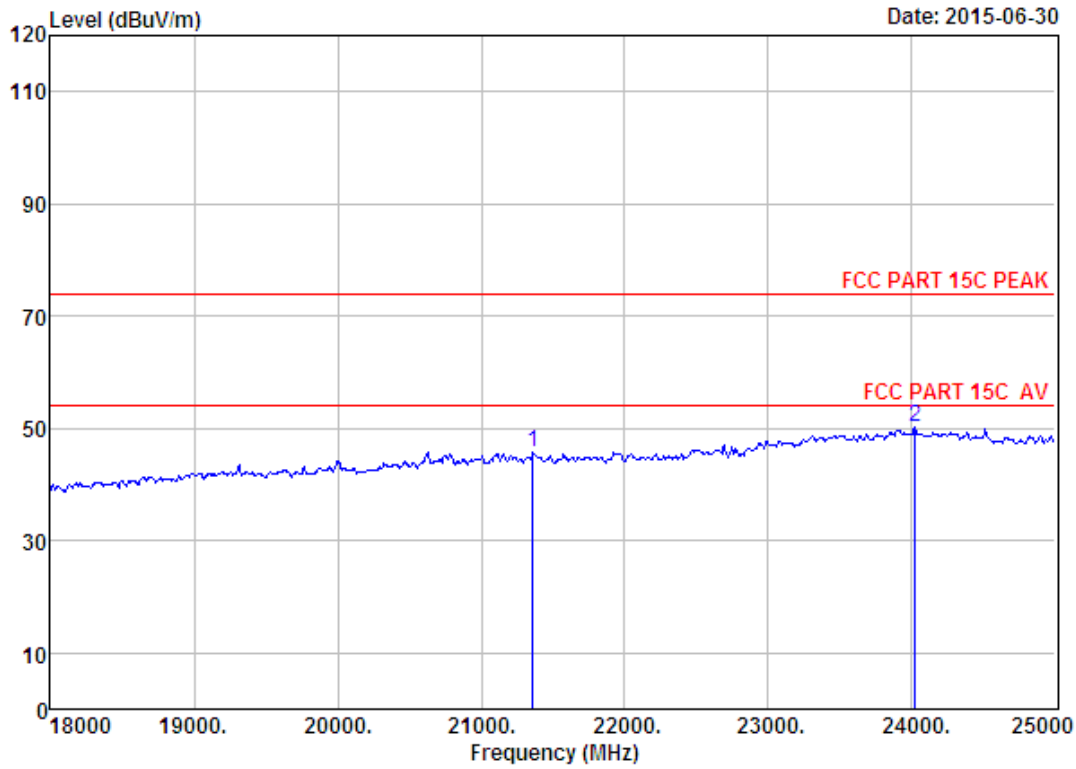
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 524
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH7 2442TX
 Antenna b

	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	20800.00	46.18	20.04	35.98	14.52	44.76	74.00	29.24	Peak
2	24020.00	45.60	22.06	32.84	15.21	50.03	74.00	23.97	Peak

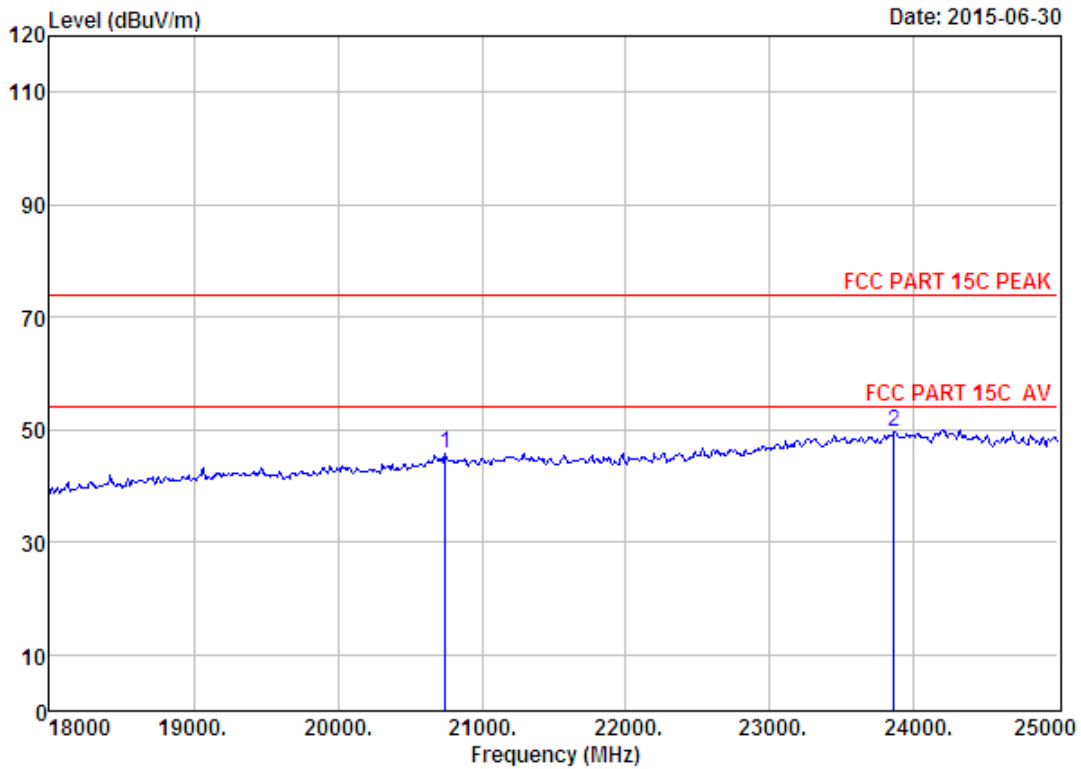
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 525
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	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	21360.00	46.08	20.28	35.49	14.80	45.67	74.00	28.33	Peak
2	24020.00	45.60	22.06	32.84	15.33	50.15	74.00	23.85	Peak

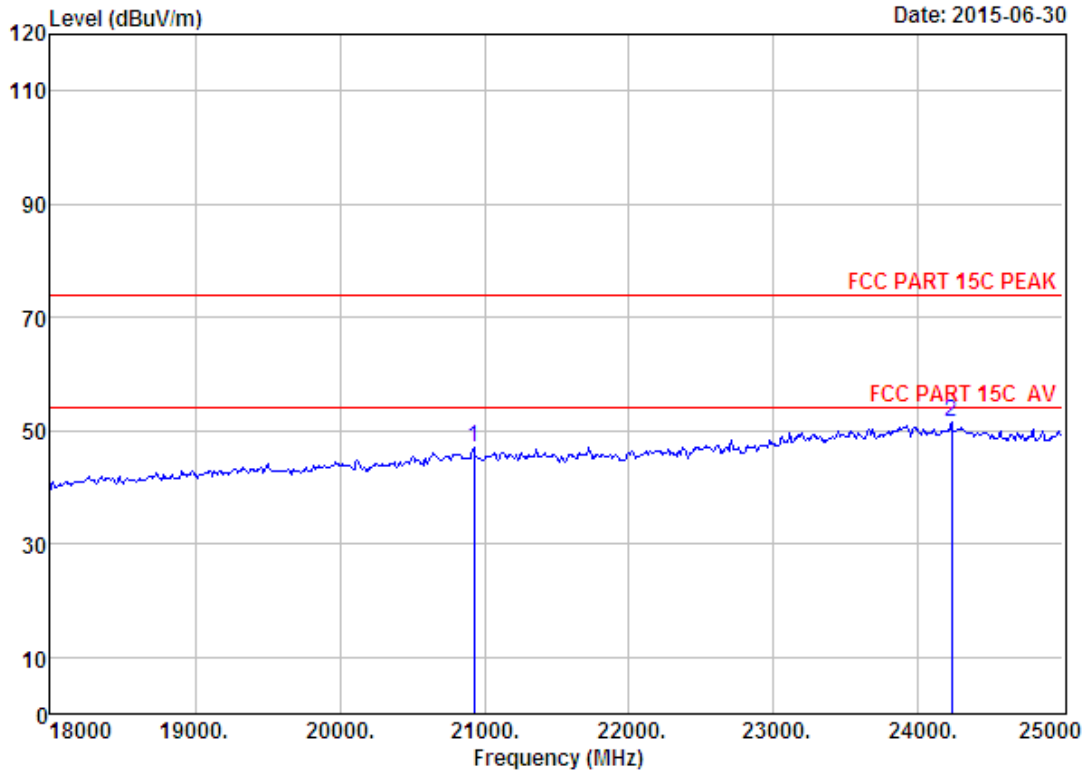
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 526
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	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	20744.00	46.15	20.02	36.03	15.49	45.63	74.00	28.37	Peak
2	23859.00	45.63	21.92	32.96	14.88	49.47	74.00	24.53	Peak

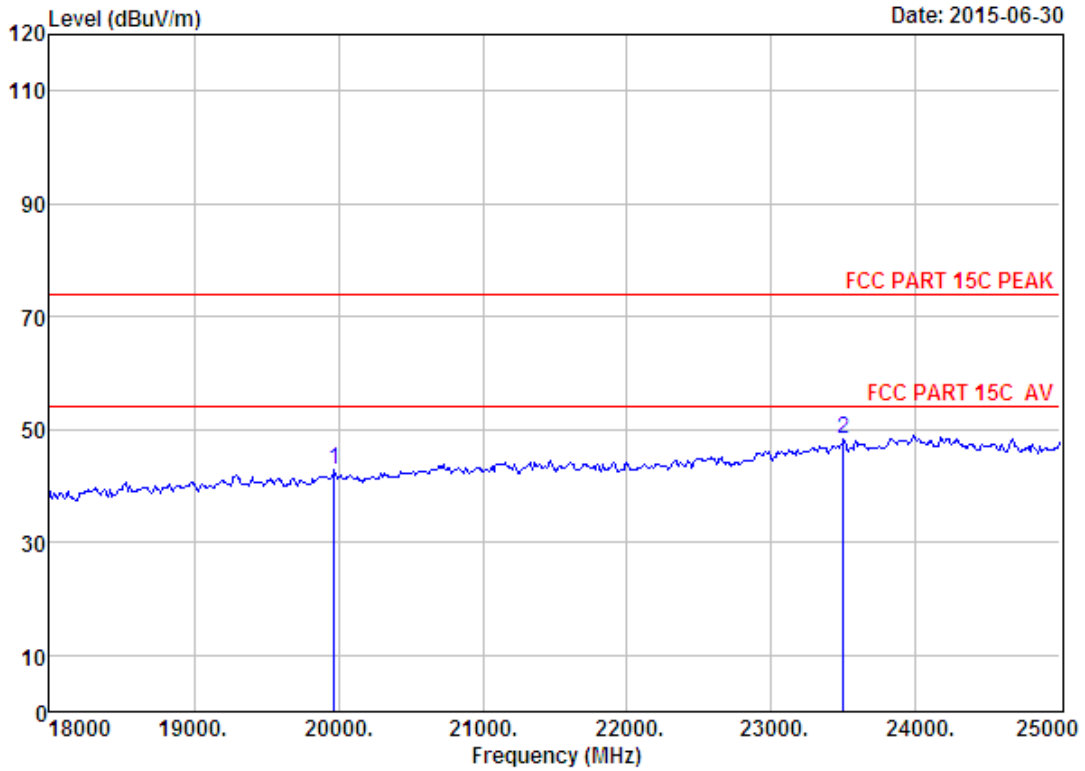
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 527
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	20926.00	46.26	20.10	35.87	16.40	46.89	74.00	27.11	Peak
2	24230.00	45.65	22.17	33.15	16.84	51.51	74.00	22.49	Peak

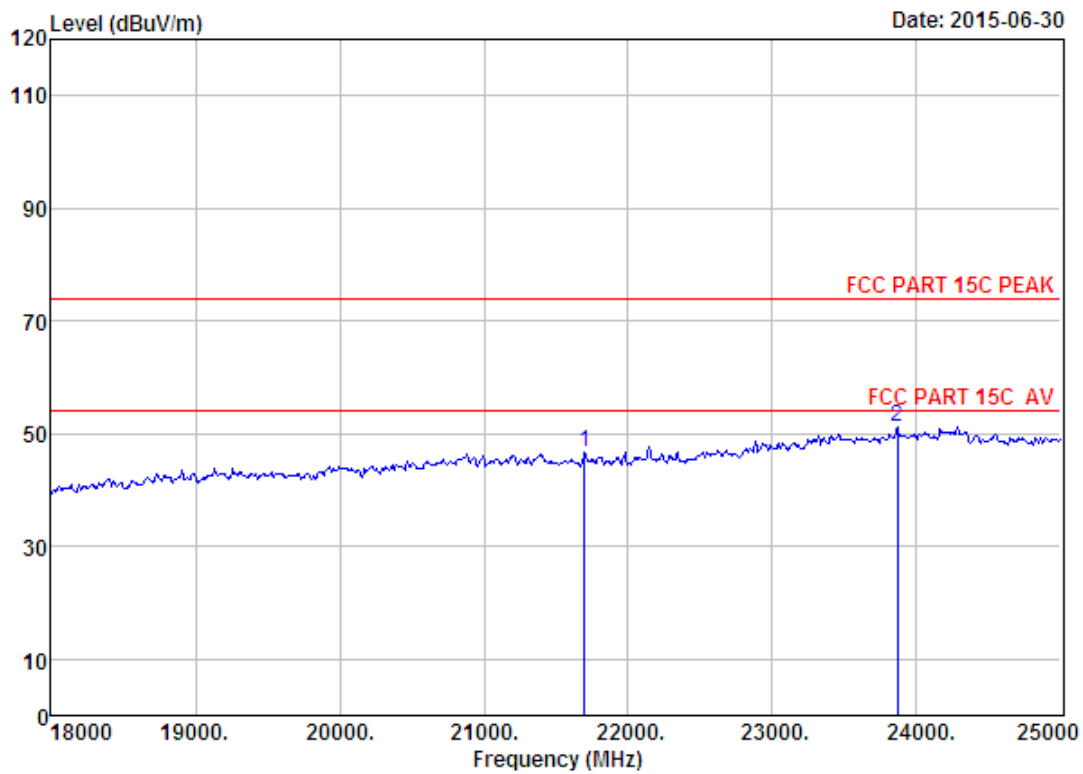
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 528
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	19974.00	46.09	19.65	36.68	13.76	42.82	74.00	31.18	Peak
2	23495.00	45.70	21.60	33.33	14.32	48.29	74.00	25.71	Peak

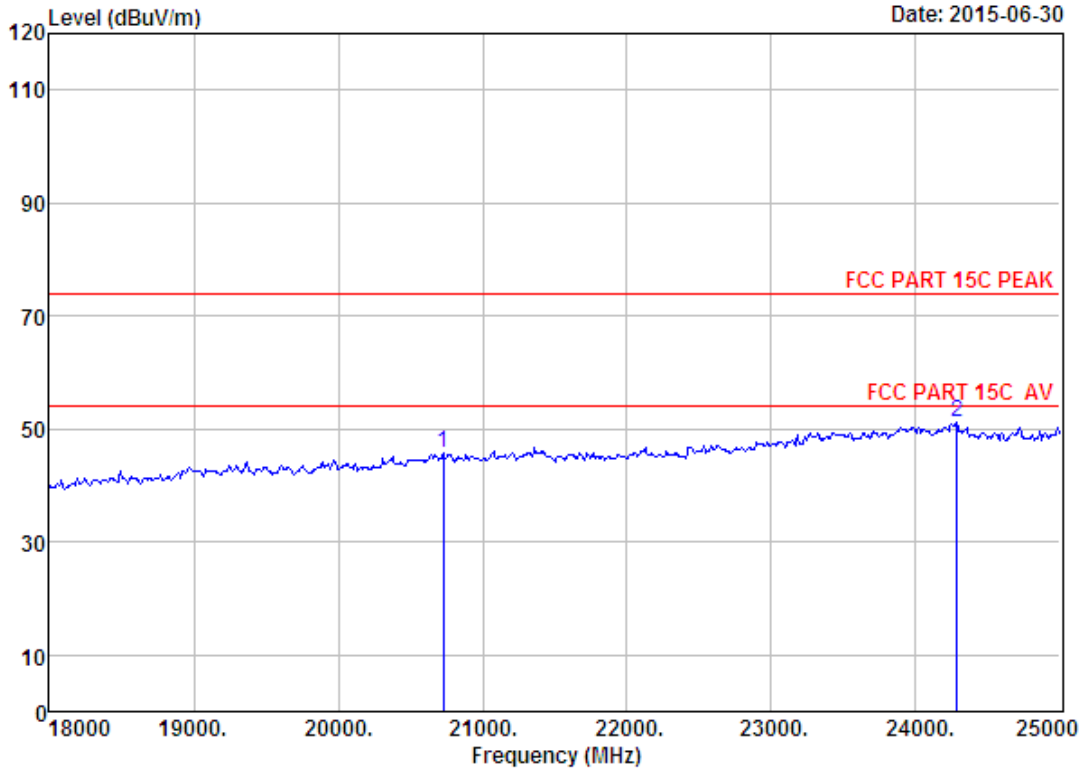
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 529
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	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	21696.00	45.88	20.43	35.17	15.74	46.88	74.00	27.12	Peak
2	23866.00	45.63	21.93	32.93	16.60	51.23	74.00	22.77	Peak

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

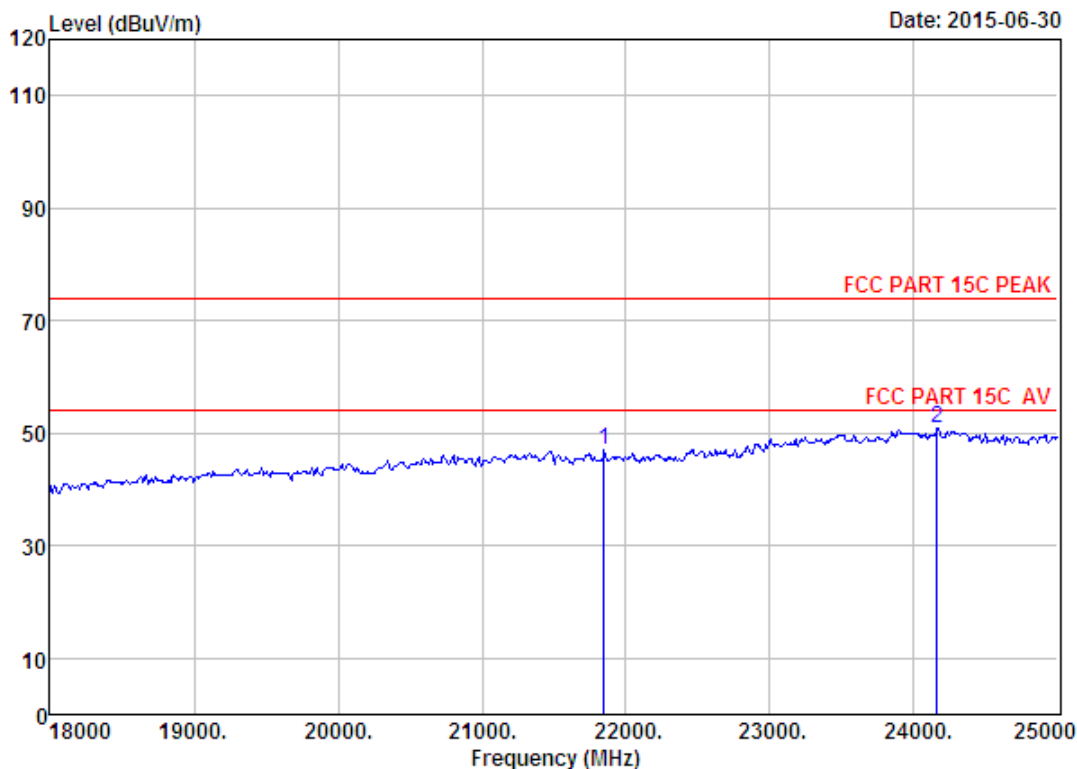


Site no. : 1# 966 chamber Data no. : 530
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH5 2442TX
 Antenna b

	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	20730.00	46.14	20.01	36.05	15.50	45.60	74.00	28.40	Peak
2	24286.00	45.66	22.20	33.23	16.71	51.34	74.00	22.66	Peak

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

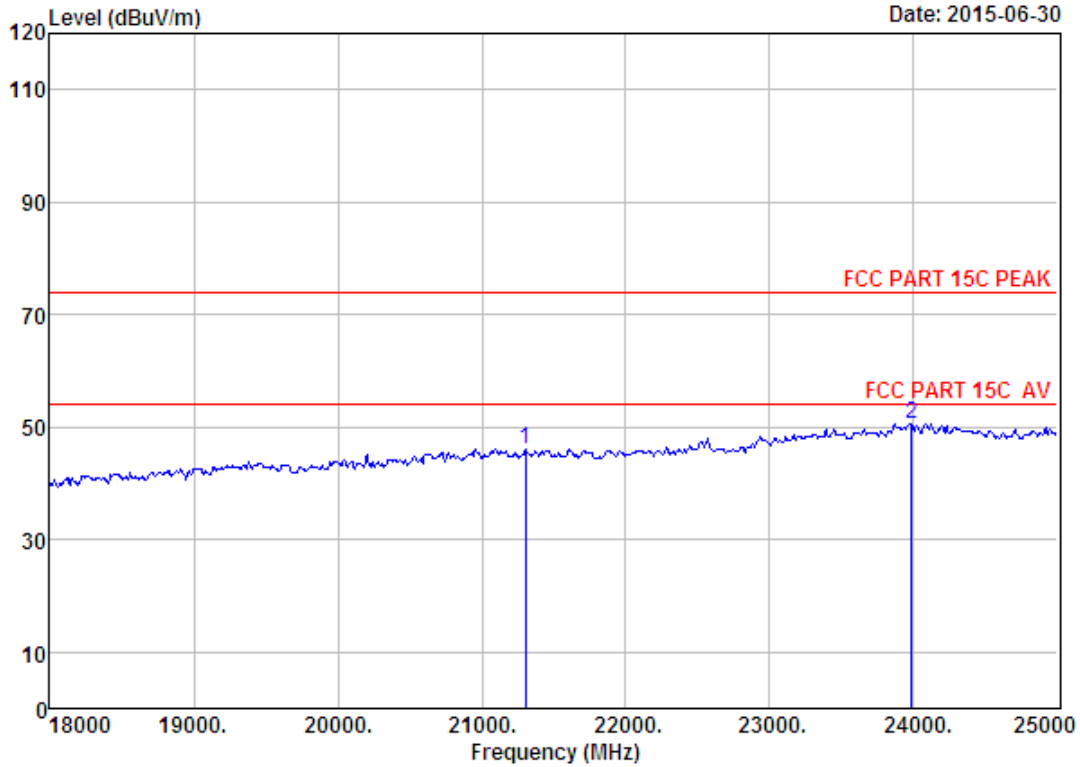




Site no. : 1# 966 chamber Data no. : 531
 Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	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	21850.00	45.79	20.50	35.03	15.72	46.98	74.00	27.02	Peak
2	24160.00	45.63	22.13	33.03	16.14	50.87	74.00	23.13	Peak

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



Site no. : 1# 966 chamber Data no. : 532
 Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	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	21304.00	46.12	20.26	35.53	15.25	46.10	74.00	27.90	Peak
2	23985.00	45.60	22.03	32.83	15.90	50.70	74.00	23.30	Peak

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

5 BAND EDGE COMPLIANCE TEST

5.1 Limit

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

5.2 Test Procedure

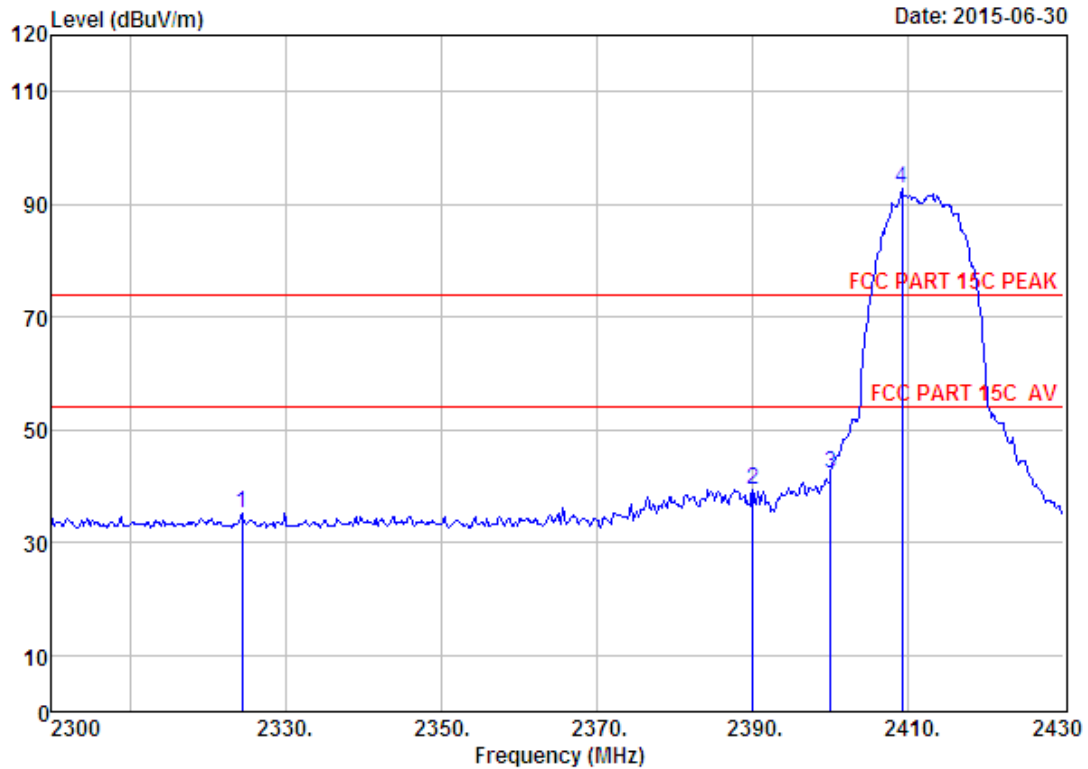
1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out 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 = 1MHz, Detector=PEAK detector, Sweep time = auto
 - (b) AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto

5.3 Test Result

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

- Note:
- 1、 For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
 - 2、 The frequency 2412MHz. 2422MHz . 2462MHz and 2472 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

5.4 Test Data

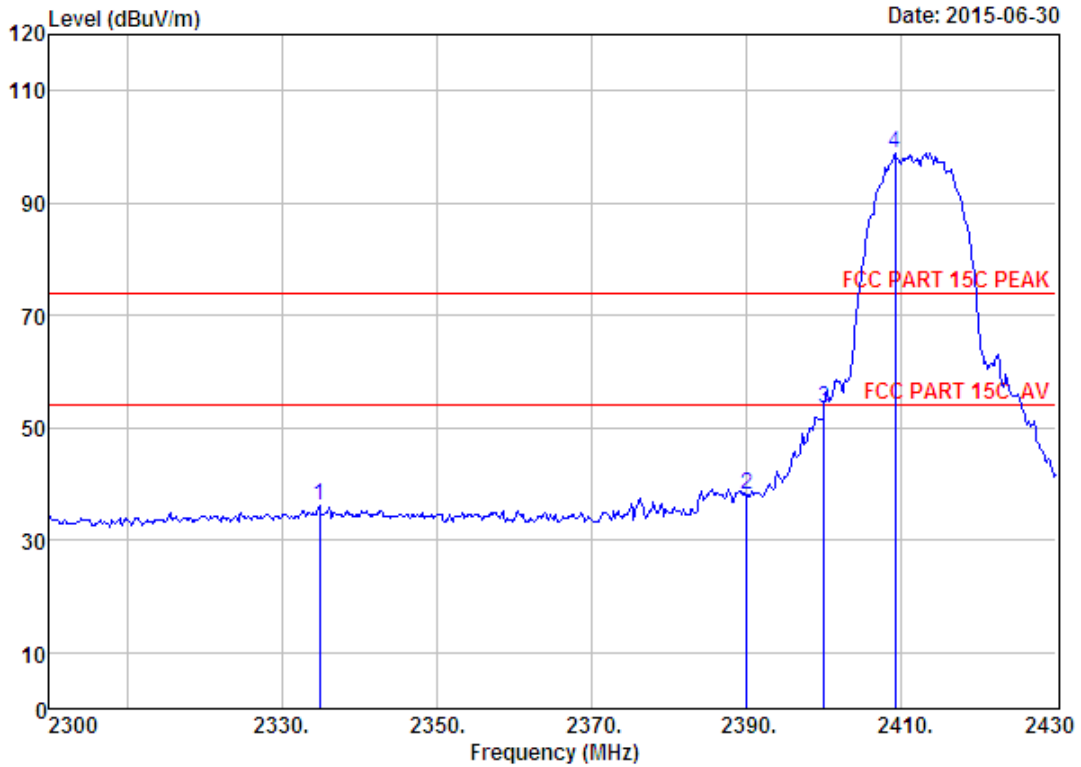


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Site no.       : 1# 966 chamber           Data no.  : 359
Dis. / Ant.   : 3m ANT 1-18G           Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.   : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer     : Tony
EUT          : LED TV
Power        : AC 120V/60Hz
M/N         : WD65NC4190
Test Mode    : IEEE 802.11b CH1 2412TX
                Antenna a
    
```

	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	2324.44	27.73	6.54	34.60	35.66	35.33	74.00	38.67	Peak
2	2390.00	27.64	6.62	34.62	39.65	39.29	74.00	34.71	Peak
3	2400.00	27.61	6.62	34.64	42.54	42.13	74.00	31.87	Peak
4	2409.20	27.60	6.64	34.64	93.13	92.73	74.00	-18.73	Peak

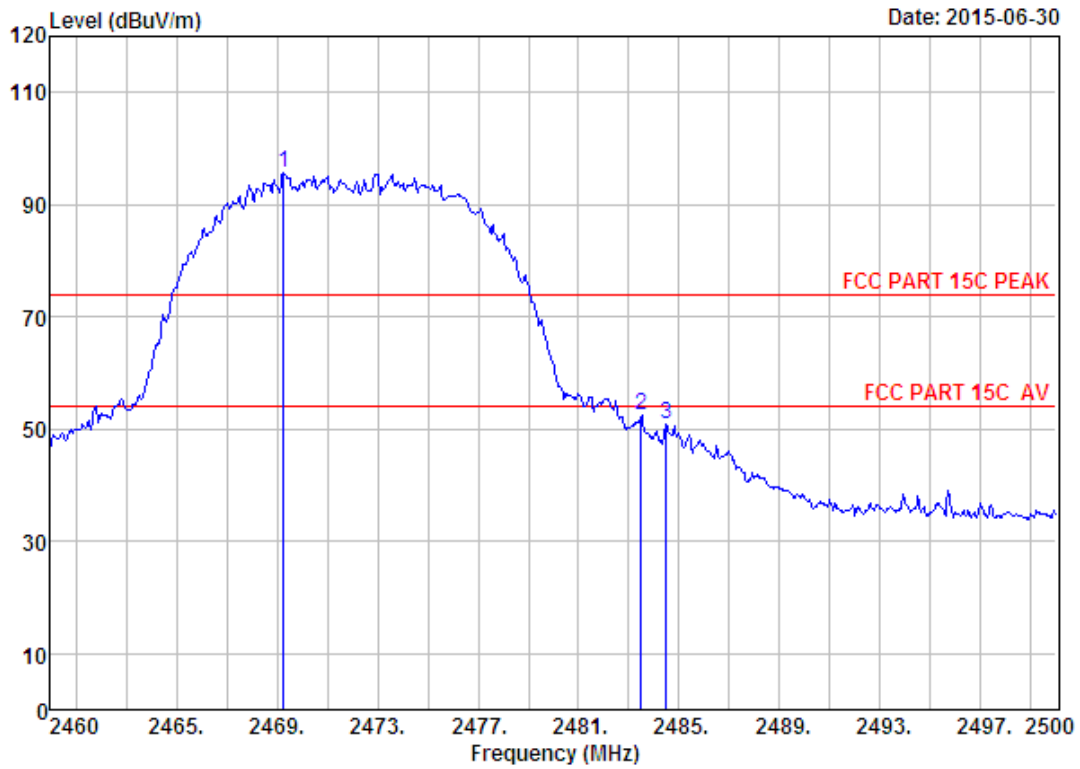
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 360
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna a

	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	2334.84	27.73	6.56	34.59	36.32	36.02	74.00	37.98	Peak
2	2390.00	27.64	6.62	34.62	38.30	37.94	74.00	36.06	Peak
3	2400.00	27.61	6.62	34.64	53.89	53.48	74.00	20.52	Peak
4	2409.20	27.60	6.64	34.64	99.25	98.85	74.00	-24.85	Peak

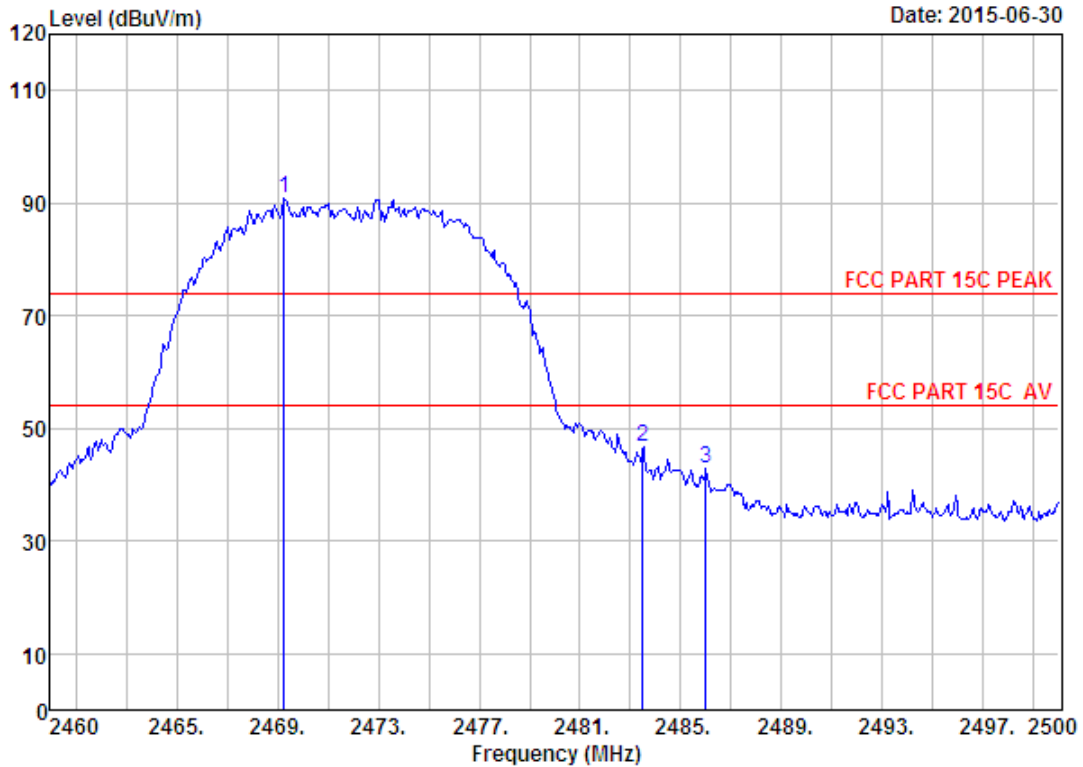
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 365
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna a

	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	2469.28	27.58	6.69	34.98	96.35	95.64	74.00	-21.64	Peak
2	2483.50	27.58	6.71	35.11	53.41	52.59	74.00	21.41	Peak
3	2484.48	27.58	6.71	35.11	51.81	50.99	74.00	23.01	Peak

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

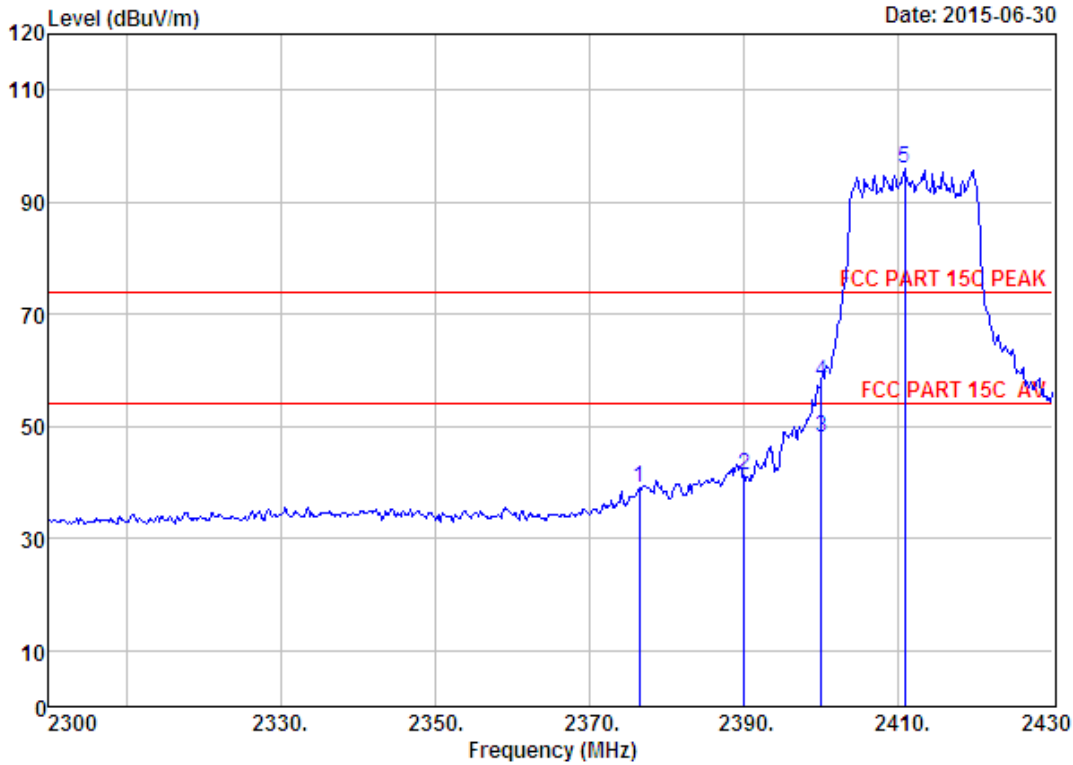


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Site no.      : 1# 966 chamber           Data no.   : 366
Dis. / Ant.  : 3m ANT 1-18G            Ant. pol.  : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.  : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer     : Tony
EUT          : LED TV
Power        : AC 120V/60Hz
M/N         : WD65NC4190
Test Mode    : IEEE 802.11b CH13 2472TX
                Antenna a
    
```

	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	2469.28	27.58	6.69	34.98	91.53	90.82	74.00	-16.82	Peak
2	2483.50	27.58	6.71	35.11	47.65	46.83	74.00	27.17	Peak
3	2486.00	27.58	6.71	35.11	43.68	42.86	74.00	31.14	Peak

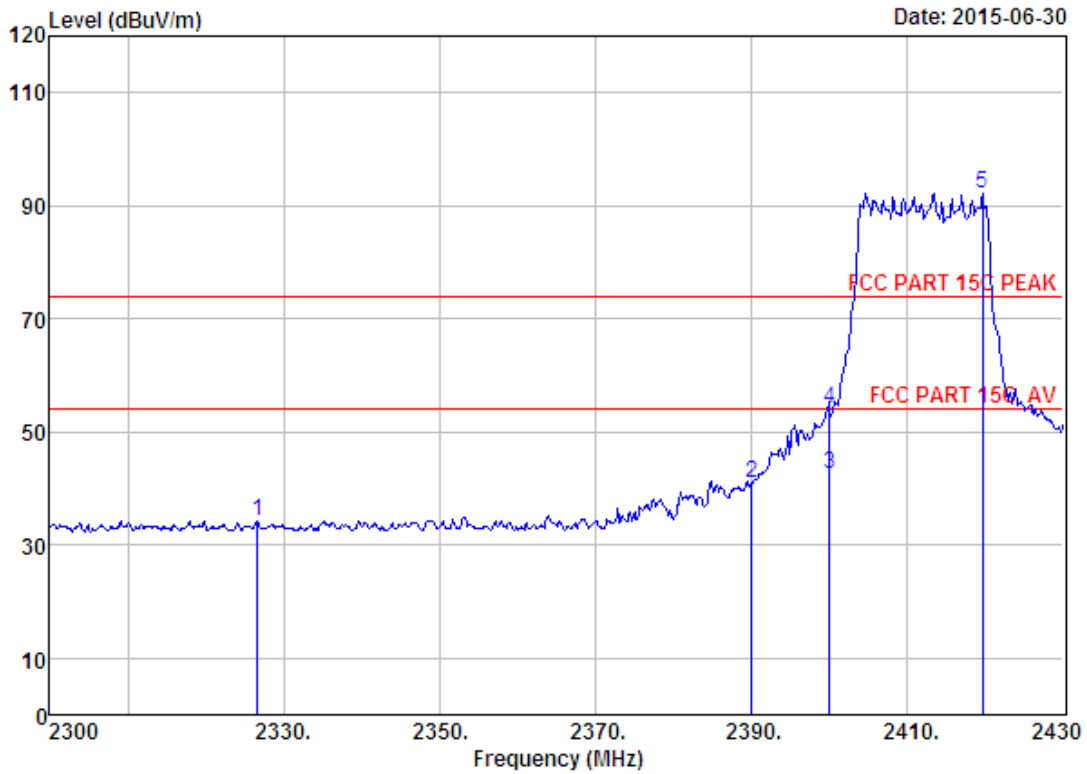
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 369
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	2376.44	27.64	6.60	34.59	39.28	38.93	74.00	35.07	Peak
2	2390.00	27.64	6.62	34.62	41.66	41.30	74.00	32.70	Peak
3	2400.00	27.61	6.62	34.64	48.33	47.92	54.00	6.08	Average
4	2400.00	27.61	6.62	34.64	58.45	58.04	74.00	15.96	Peak
5	2410.76	27.60	6.64	34.64	96.32	95.92	74.00	-21.92	Peak

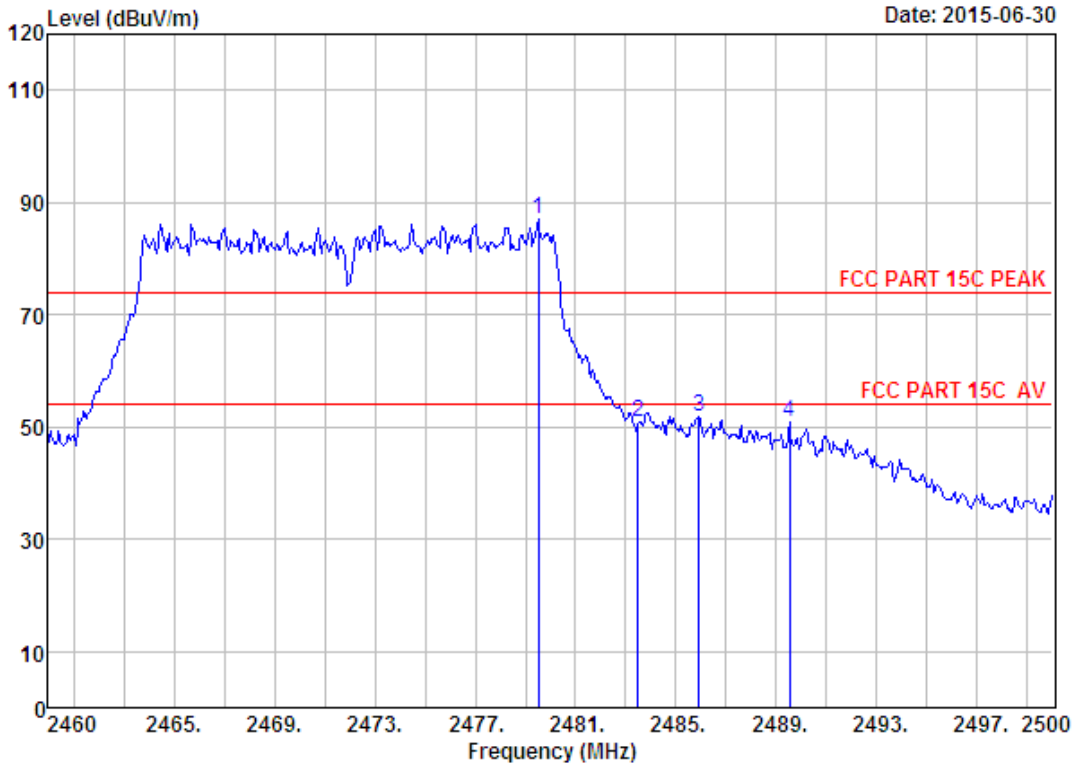
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 370
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna a

	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	2326.65	27.73	6.54	34.60	34.57	34.24	74.00	39.76	Peak
2	2390.00	27.64	6.62	34.62	41.24	40.88	74.00	33.12	Peak
3	2400.00	27.61	6.62	34.64	43.12	42.71	54.00	11.29	Average
4	2400.00	27.61	6.62	34.64	54.41	54.00	74.00	20.00	Peak
5	2419.60	27.60	6.66	34.74	92.74	92.26	74.00	-18.26	Peak

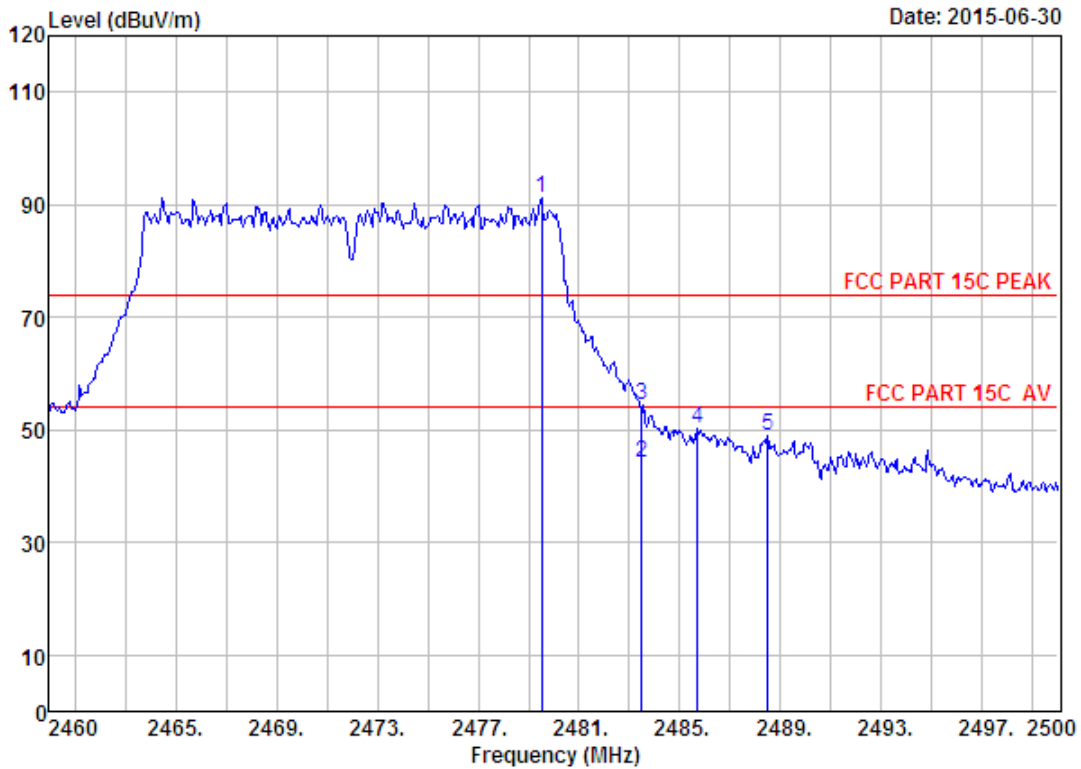
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 375
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	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	2479.52	27.58	6.71	35.11	87.90	87.08	74.00	-13.08	Peak
2	2483.50	27.58	6.71	35.11	51.58	50.76	74.00	23.24	Peak
3	2485.92	27.58	6.71	35.11	52.75	51.93	74.00	22.07	Peak
4	2489.52	27.58	6.73	35.24	51.71	50.78	74.00	23.22	Peak

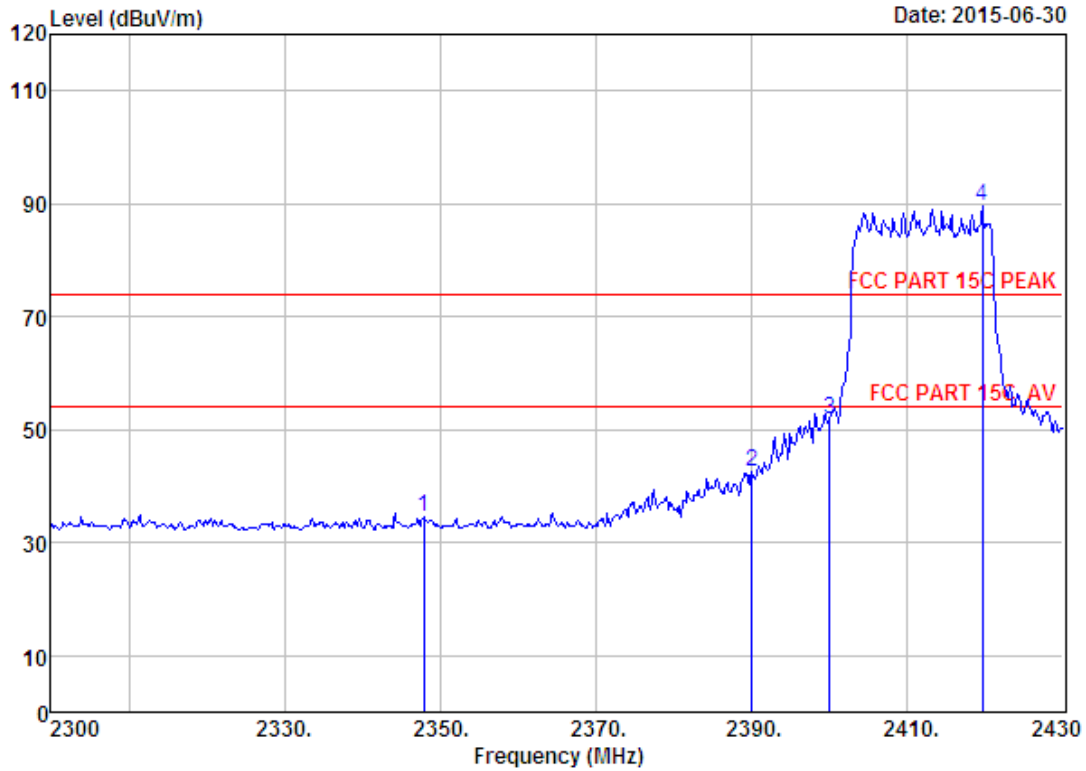
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 376
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna a

	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	2479.52	27.58	6.71	35.11	91.94	91.12	74.00	-17.12	Peak
2	2483.50	27.58	6.71	35.11	44.88	44.06	54.00	9.94	Average
3	2483.50	27.58	6.71	35.11	55.28	54.46	74.00	19.54	Peak
4	2485.68	27.58	6.71	35.11	50.97	50.15	74.00	23.85	Peak
5	2488.48	27.58	6.73	35.11	49.68	48.88	74.00	25.12	Peak

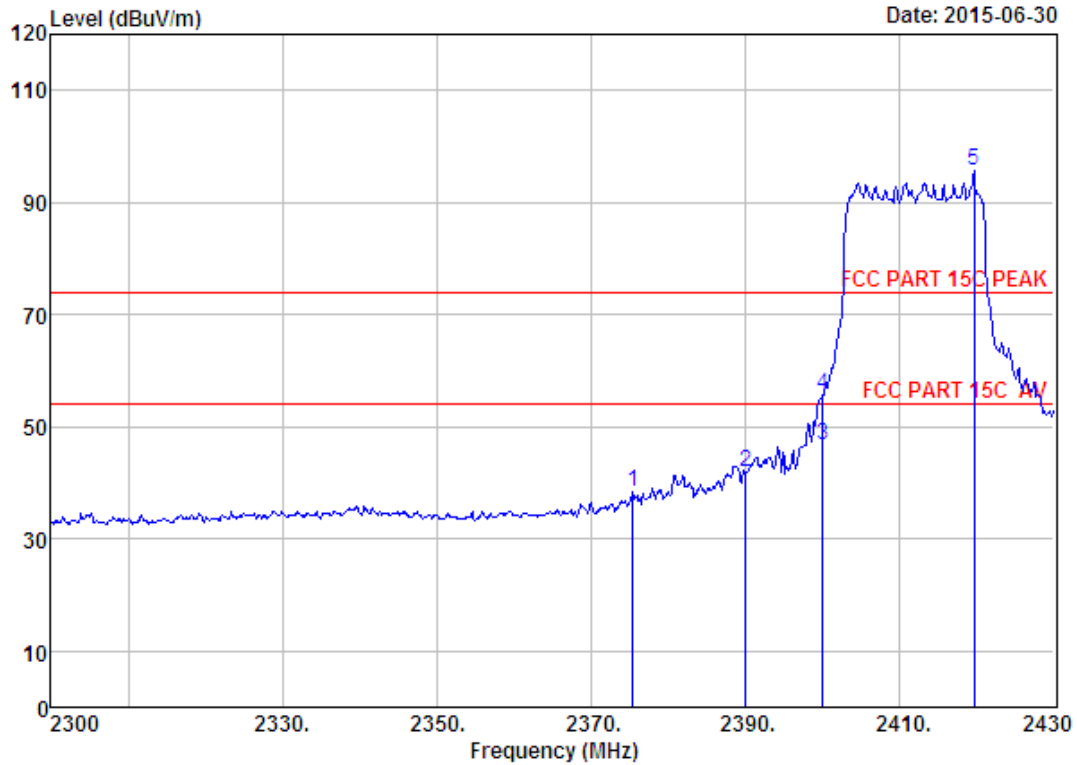
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 379
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	2347.84	27.70	6.56	34.57	34.97	34.66	74.00	39.34	Peak
2	2390.00	27.64	6.62	34.62	42.81	42.45	74.00	31.55	Peak
3	2400.00	27.61	6.62	34.64	52.23	51.82	74.00	22.18	Peak
4	2419.60	27.60	6.66	34.74	90.06	89.58	74.00	-15.58	Peak

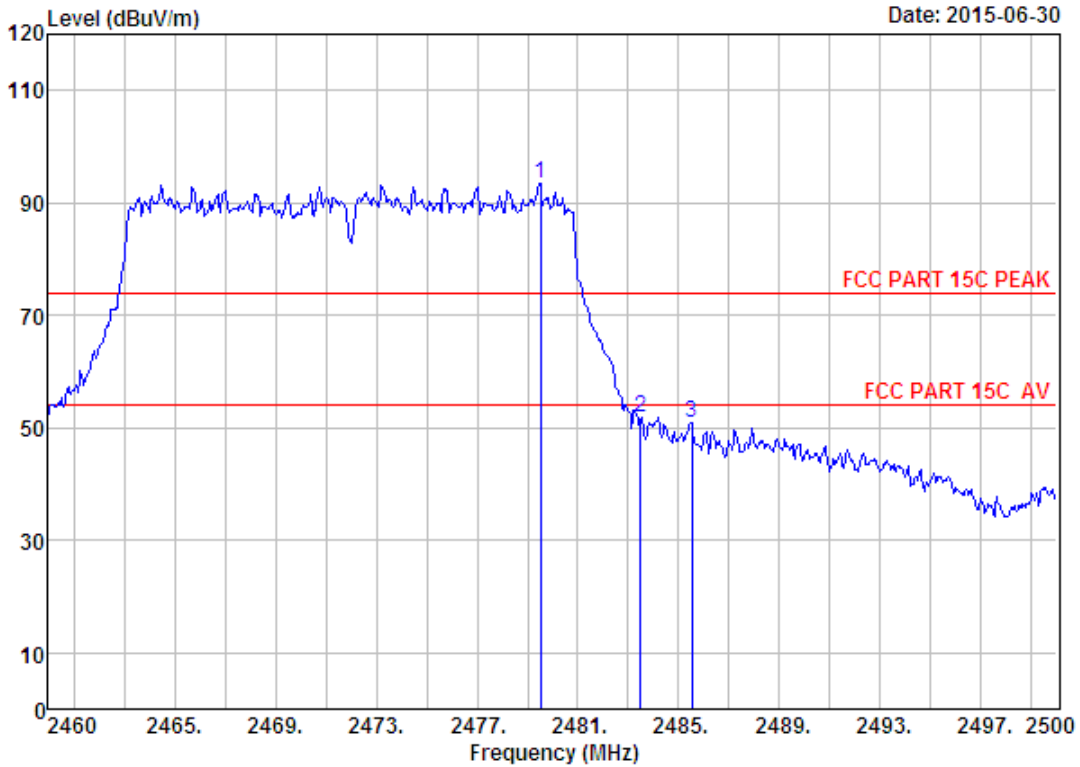
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 380
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna a

	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	2375.40	27.64	6.60	34.59	38.74	38.39	74.00	35.61	Peak
2	2390.00	27.64	6.62	34.62	42.35	41.99	74.00	32.01	Peak
3	2400.00	27.61	6.62	34.64	47.15	46.74	54.00	7.26	Average
4	2400.00	27.61	6.62	34.64	56.12	55.71	74.00	18.29	Peak
5	2419.60	27.60	6.66	34.74	96.00	95.52	74.00	-21.52	Peak

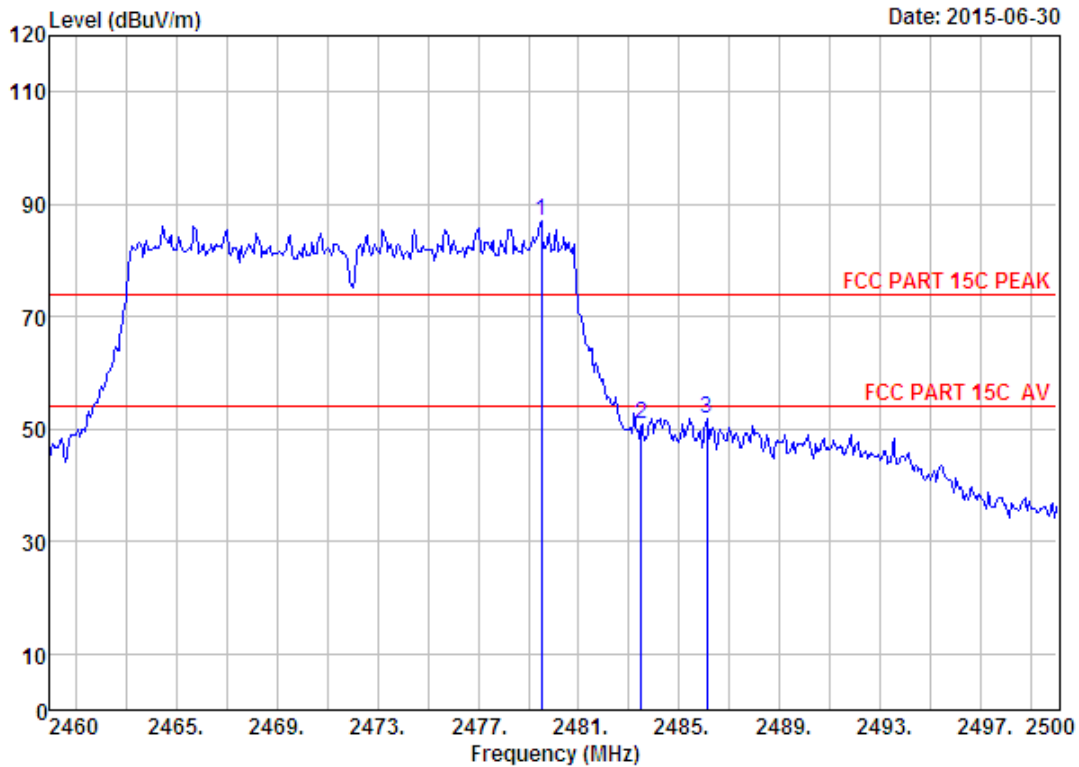
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 385
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	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	2479.52	27.58	6.71	35.11	94.41	93.59	74.00	-19.59	Peak
2	2483.50	27.58	6.71	35.11	52.73	51.91	74.00	22.09	Peak
3	2485.52	27.58	6.71	35.11	51.73	50.91	74.00	23.09	Peak

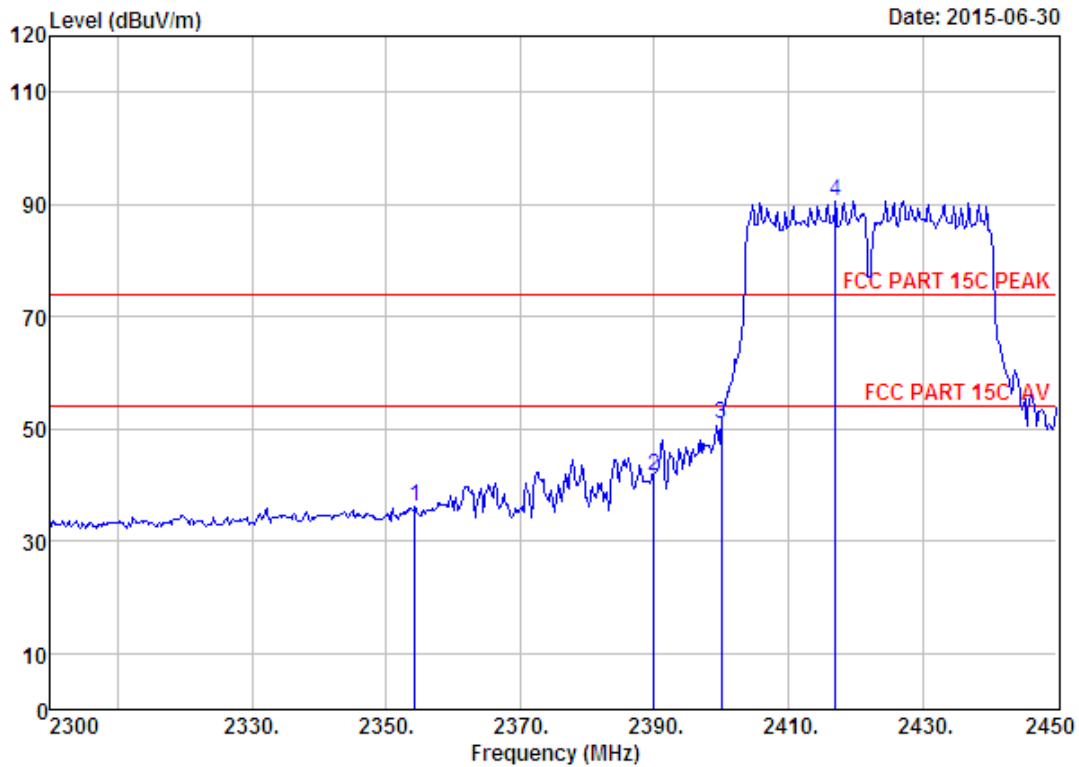
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 386
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna a

	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	2479.52	27.58	6.71	35.11	87.79	86.97	74.00	-12.97	Peak
2	2483.50	27.58	6.71	35.11	51.74	50.92	74.00	23.08	Peak
3	2486.08	27.58	6.71	35.11	52.61	51.79	74.00	22.21	Peak

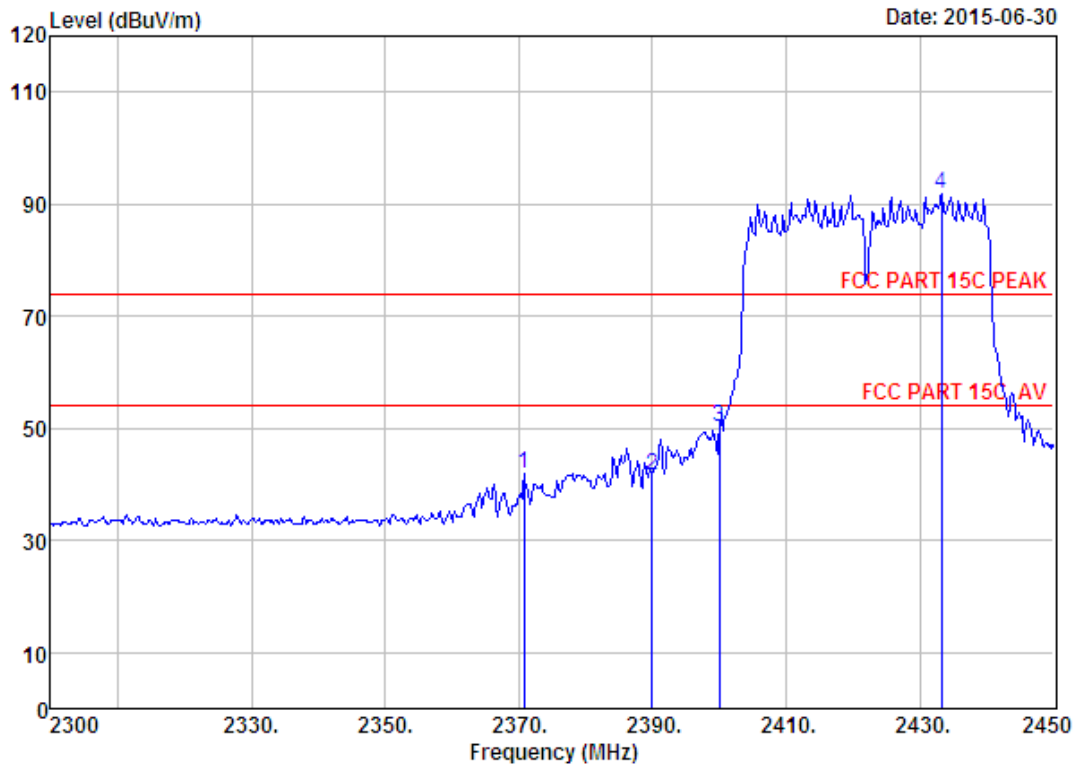
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 389
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	2354.30	27.70	6.58	34.57	36.56	36.27	74.00	37.73	Peak
2	2390.00	27.64	6.62	34.62	41.98	41.62	74.00	32.38	Peak
3	2400.00	27.61	6.62	34.64	51.39	50.98	74.00	23.02	Peak
4	2417.00	27.60	6.64	34.64	91.04	90.64	74.00	-16.64	Peak

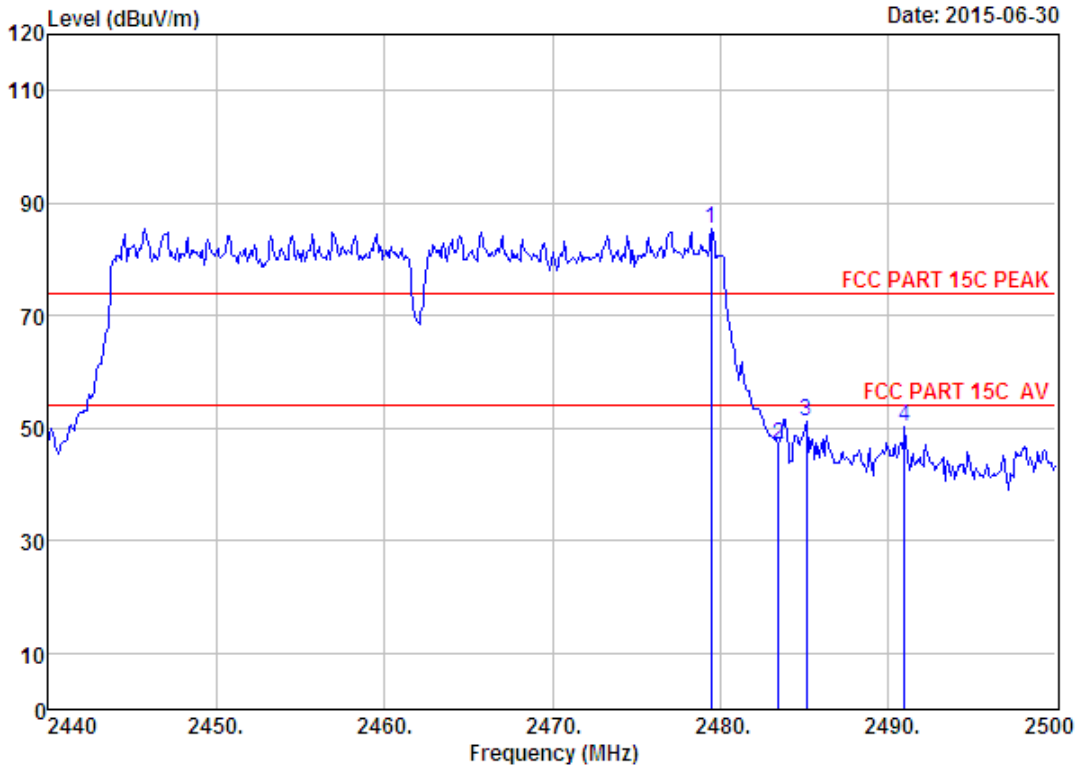
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 390
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6°;Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna a

	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	2370.80	27.67	6.60	34.59	42.20	41.88	74.00	32.12	Peak
2	2390.00	27.64	6.62	34.62	41.89	41.53	74.00	32.47	Peak
3	2400.00	27.61	6.62	34.64	50.64	50.23	74.00	23.77	Peak
4	2433.20	27.60	6.66	34.74	92.48	92.00	74.00	-18.00	Peak

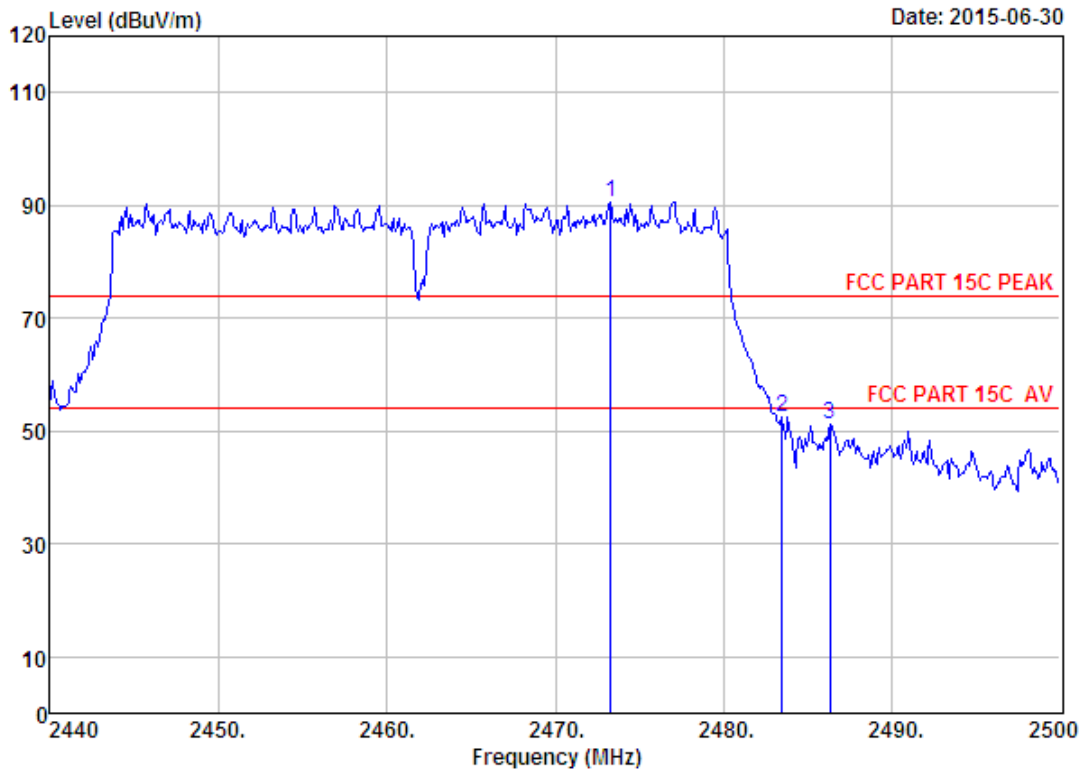
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 395
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

	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	2479.48	27.58	6.71	35.11	86.12	85.30	74.00	-11.30	Peak
2	2483.50	27.58	6.71	35.11	47.73	46.91	74.00	27.09	Peak
3	2485.12	27.58	6.71	35.11	51.91	51.09	74.00	22.91	Peak
4	2491.00	27.58	6.73	35.24	51.06	50.13	74.00	23.87	Peak

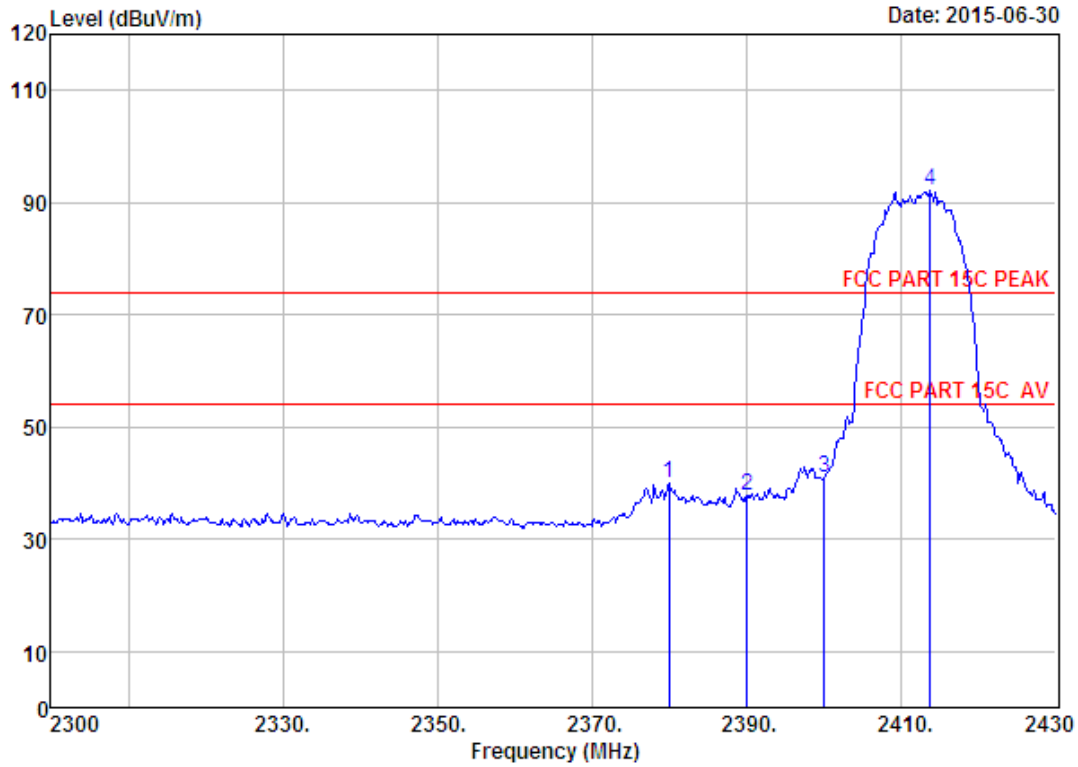
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 396
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna a

	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	2473.30	27.58	6.71	35.11	91.36	90.54	74.00	-16.54	Peak
2	2483.50	27.58	6.71	35.11	53.21	52.39	74.00	21.61	Peak
3	2486.32	27.58	6.71	35.11	52.16	51.34	74.00	22.66	Peak

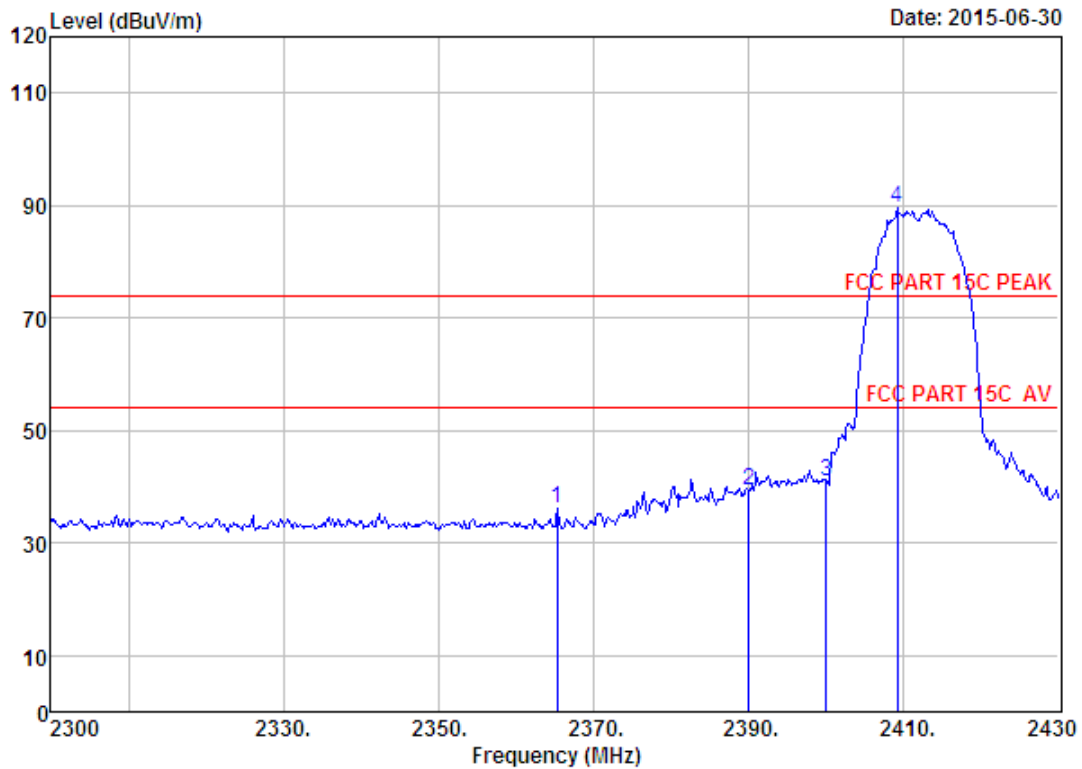
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 471
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	2379.95	27.64	6.60	34.59	40.32	39.97	74.00	34.03	Peak
2	2390.00	27.64	6.62	34.62	38.08	37.72	74.00	36.28	Peak
3	2400.00	27.61	6.62	34.64	41.32	40.91	74.00	33.09	Peak
4	2413.75	27.60	6.64	34.64	92.46	92.06	74.00	-18.06	Peak

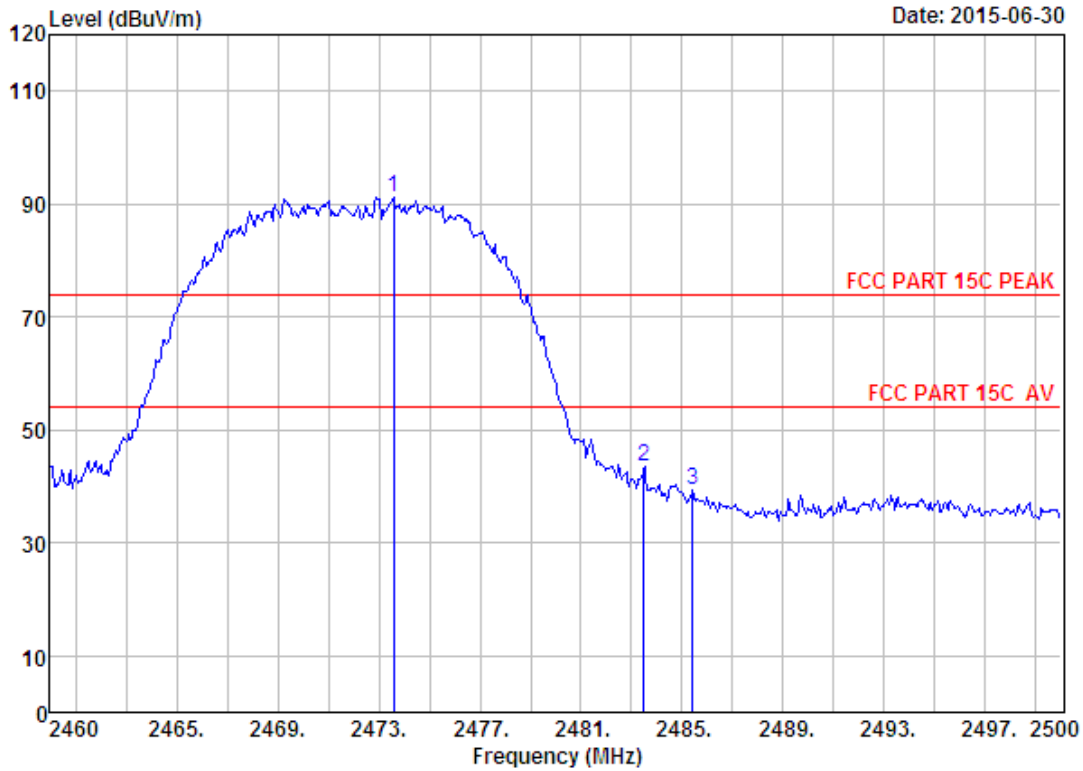
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 472
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH1 2412TX
 Antenna b

	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	2365.26	27.67	6.58	34.59	36.63	36.29	74.00	37.71	Peak
2	2390.00	27.64	6.62	34.62	39.73	39.37	74.00	34.63	Peak
3	2400.00	27.61	6.62	34.64	41.50	41.09	74.00	32.91	Peak
4	2409.20	27.60	6.64	34.64	89.94	89.54	74.00	-15.54	Peak

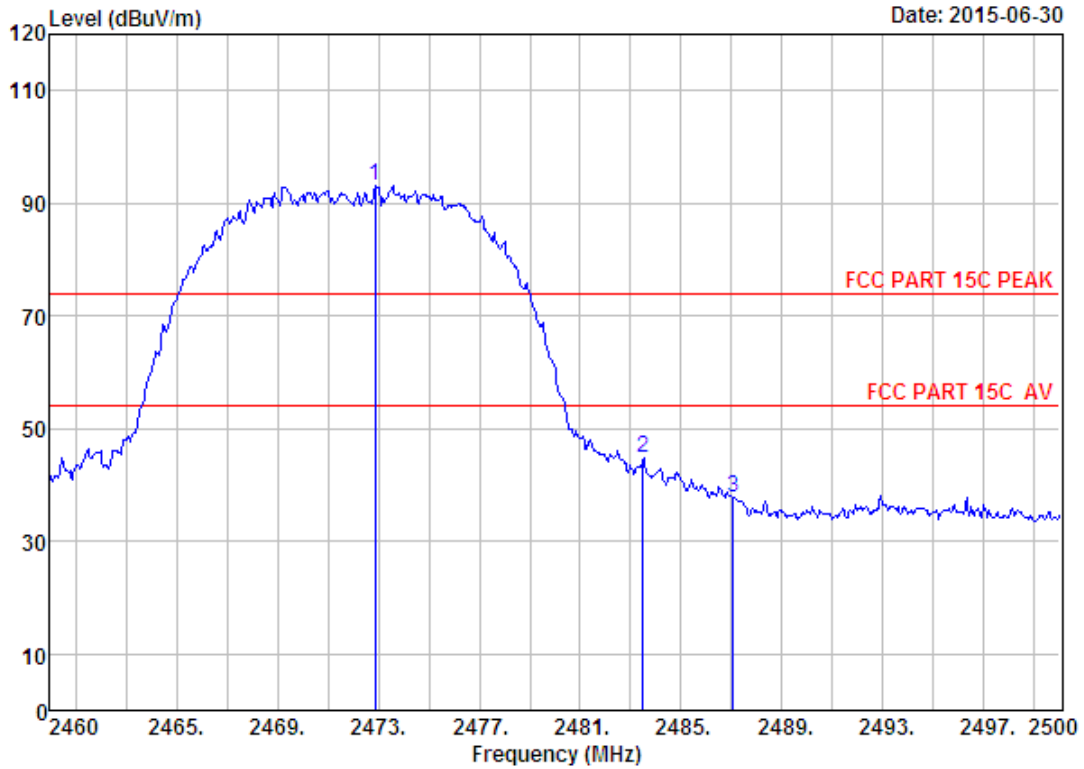
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 477
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	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	2473.60	27.58	6.71	35.11	92.13	91.31	74.00	-17.31	Peak
2	2483.50	27.58	6.71	35.11	44.32	43.50	74.00	30.50	Peak
3	2485.40	27.58	6.71	35.11	40.03	39.21	74.00	34.79	Peak

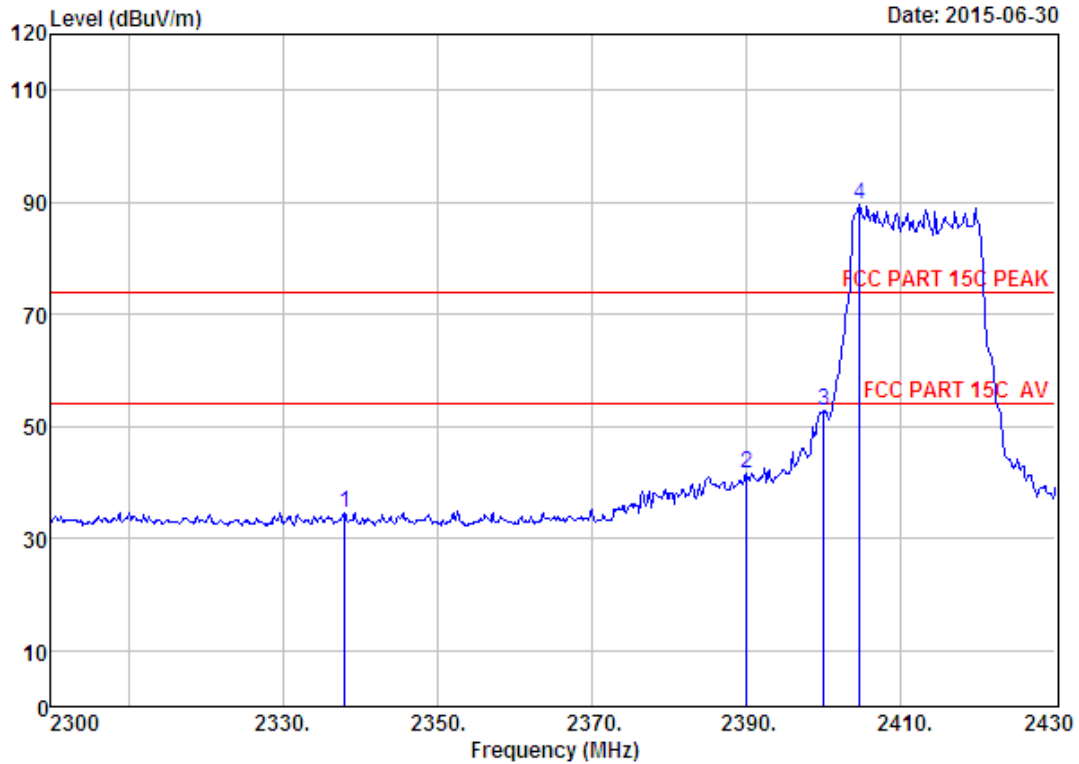
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 478
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11b CH13 2472TX
 Antenna b

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.88	27.58	6.71	35.11	94.01	93.19	74.00	-19.19	Peak
2	2483.50	27.58	6.71	35.11	45.76	44.94	74.00	29.06	Peak
3	2487.04	27.58	6.71	35.11	38.69	37.87	74.00	36.13	Peak

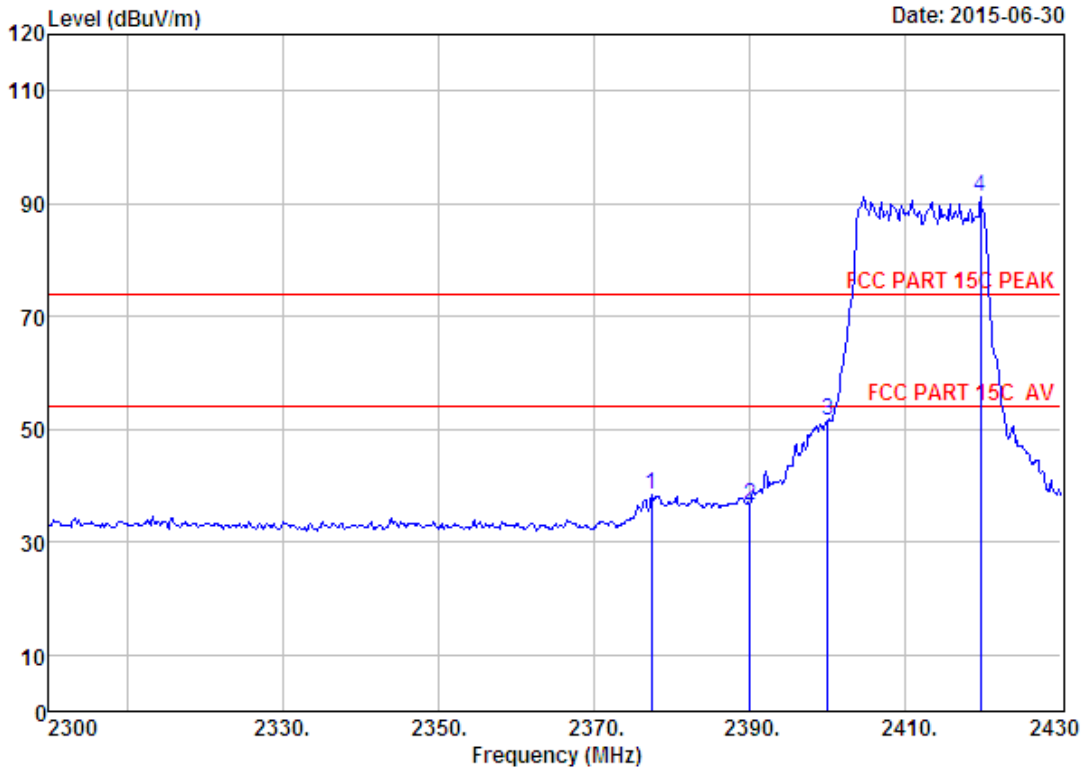
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 481
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	2337.96	27.73	6.56	34.59	35.00	34.70	74.00	39.30	Peak
2	2390.00	27.64	6.62	34.62	41.83	41.47	74.00	32.53	Peak
3	2400.00	27.61	6.62	34.64	53.20	52.79	74.00	21.21	Peak
4	2404.65	27.61	6.64	34.64	89.98	89.59	74.00	-15.59	Peak

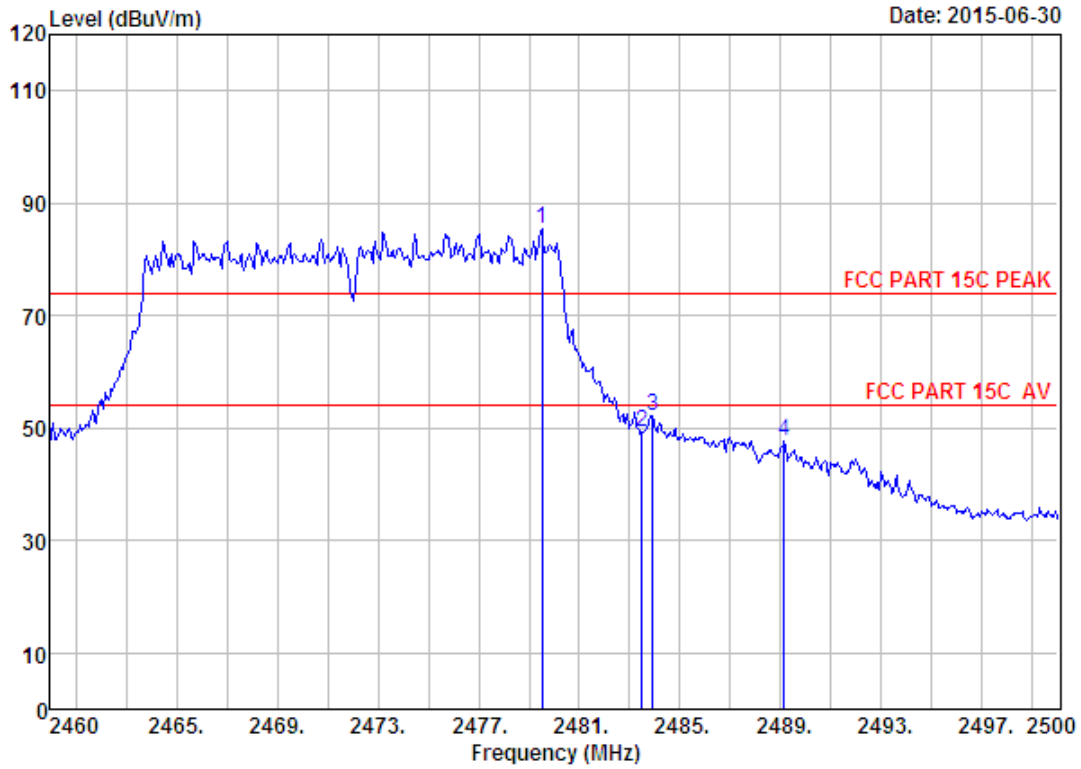
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 482
 Dis. / Ant. : 3m ANI 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH1 2412TX
 Antenna b

	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	2377.35	27.64	6.60	34.59	38.63	38.28	74.00	35.72	Peak
2	2390.00	27.64	6.62	34.62	36.71	36.35	74.00	37.65	Peak
3	2400.00	27.61	6.62	34.64	51.94	51.53	74.00	22.47	Peak
4	2419.60	27.60	6.66	34.74	91.59	91.11	74.00	-17.11	Peak

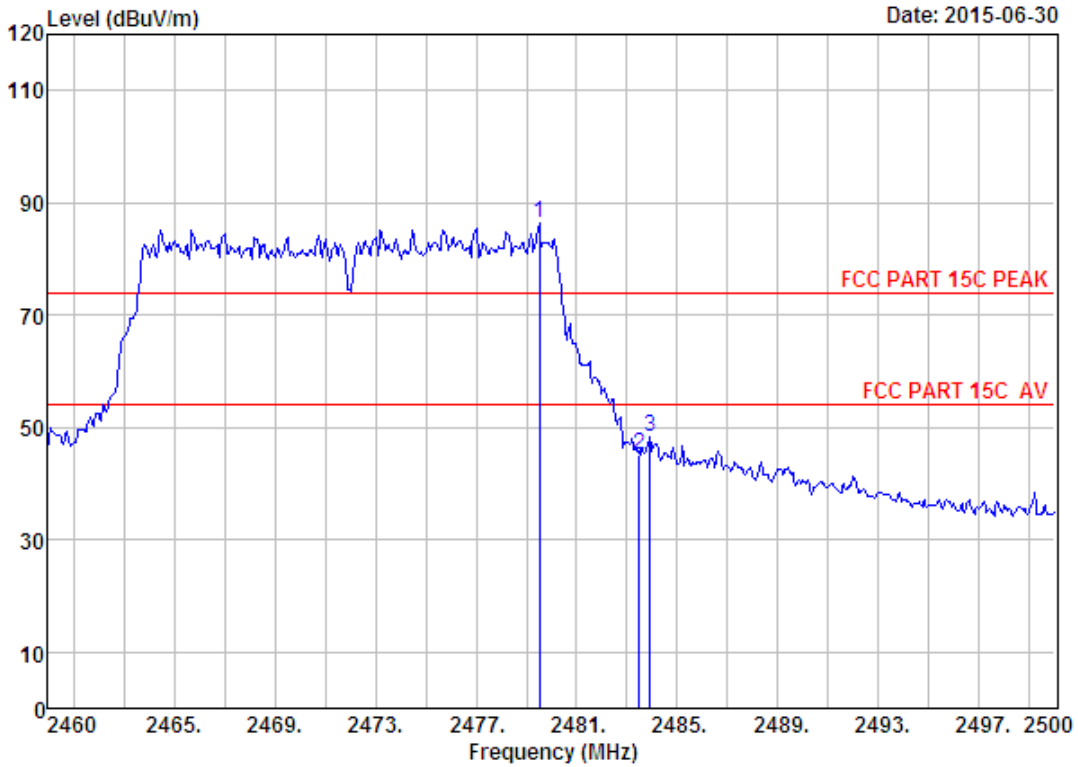
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 487
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	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	2479.52	27.58	6.71	35.11	86.21	85.39	74.00	-11.39	Peak
2	2483.50	27.58	6.71	35.11	50.00	49.18	74.00	24.82	Peak
3	2483.92	27.58	6.71	35.11	52.97	52.15	74.00	21.85	Peak
4	2489.12	27.58	6.73	35.24	48.54	47.61	74.00	26.39	Peak

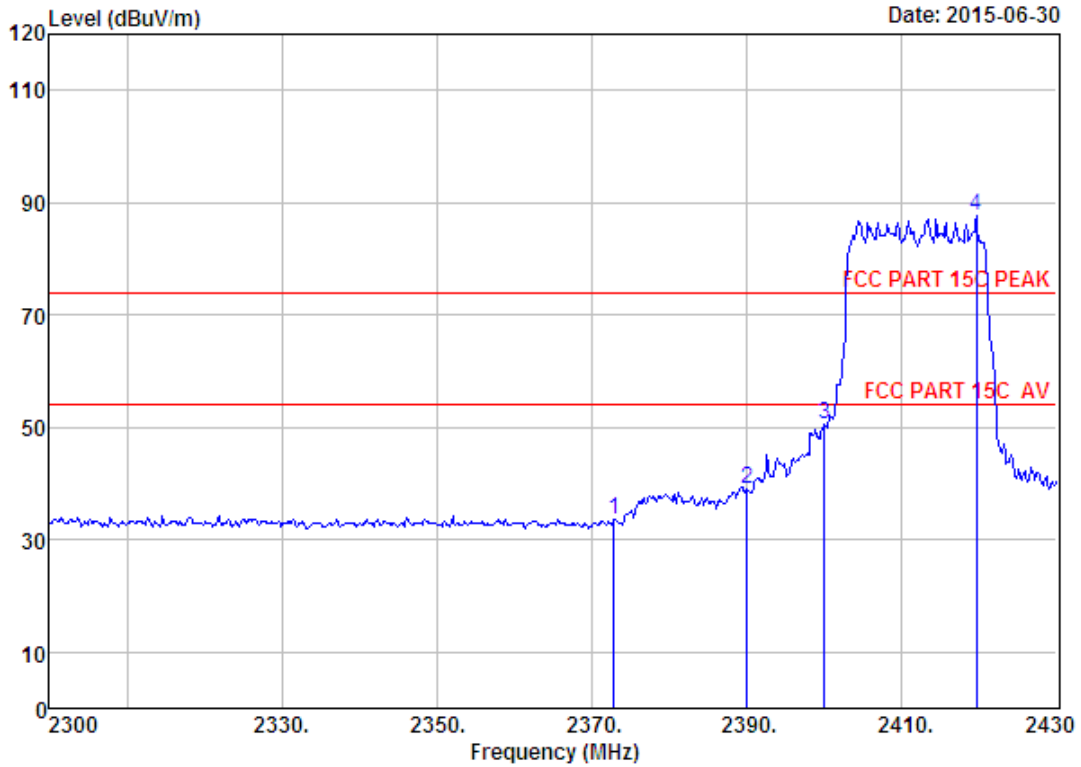
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 488
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUI : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11g CH13 2472TX
 Antenna b

	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	2479.52	27.58	6.71	35.11	87.12	86.30	74.00	-12.30	Peak
2	2483.50	27.58	6.71	35.11	46.07	45.25	74.00	28.75	Peak
3	2483.92	27.58	6.71	35.11	49.12	48.30	74.00	25.70	Peak

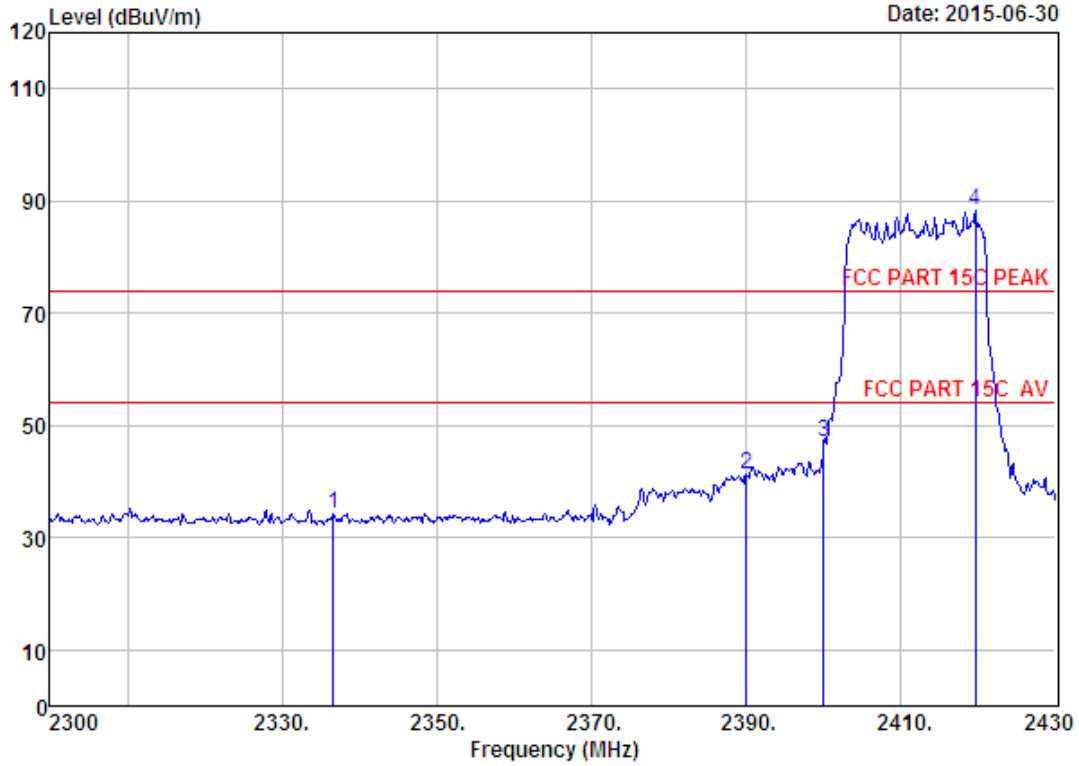
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 491
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	2372.80	27.67	6.60	34.59	34.03	33.71	74.00	40.29	Peak
2	2390.00	27.64	6.62	34.62	39.35	38.99	74.00	35.01	Peak
3	2400.00	27.61	6.62	34.64	50.81	50.40	74.00	23.60	Peak
4	2419.60	27.60	6.66	34.74	88.07	87.59	74.00	-13.59	Peak

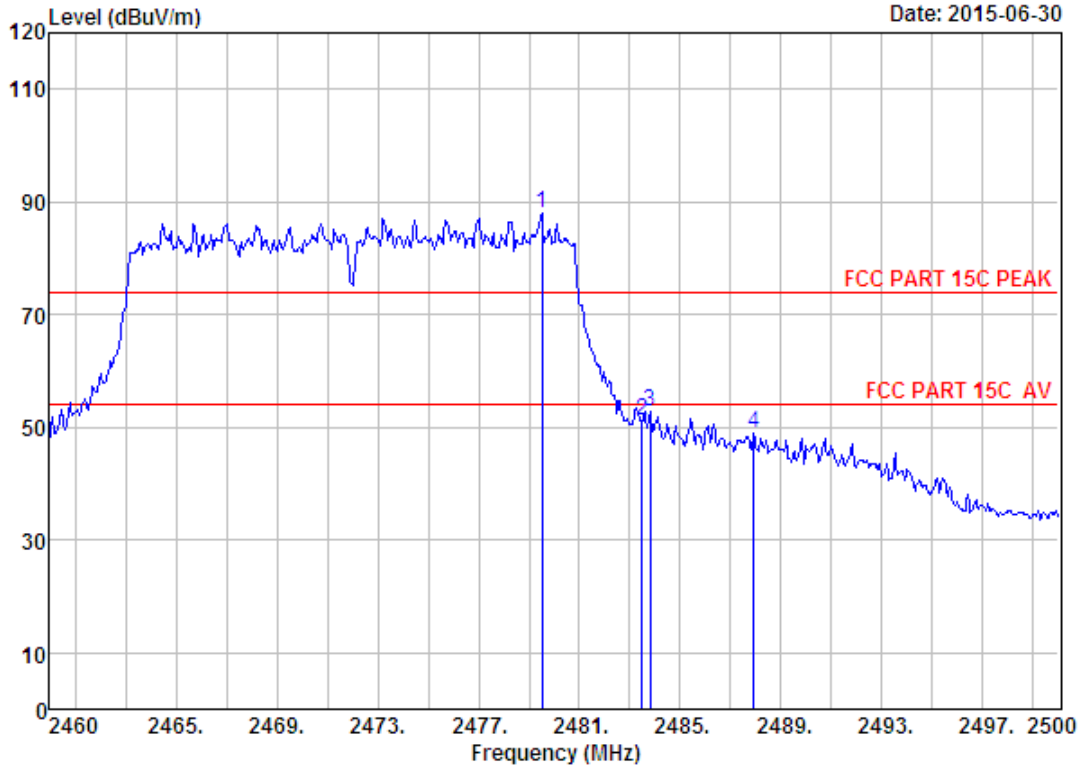
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 492
 Dis. / Ant. : 3m ANI 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH1 2412TX
 Antenna b

	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	2336.66	27.73	6.56	34.59	34.59	34.29	74.00	39.71	Peak
2	2390.00	27.64	6.62	34.62	41.58	41.22	74.00	32.78	Peak
3	2400.00	27.61	6.62	34.64	47.40	46.99	74.00	27.01	Peak
4	2419.60	27.60	6.66	34.74	88.83	88.35	74.00	-14.35	Peak

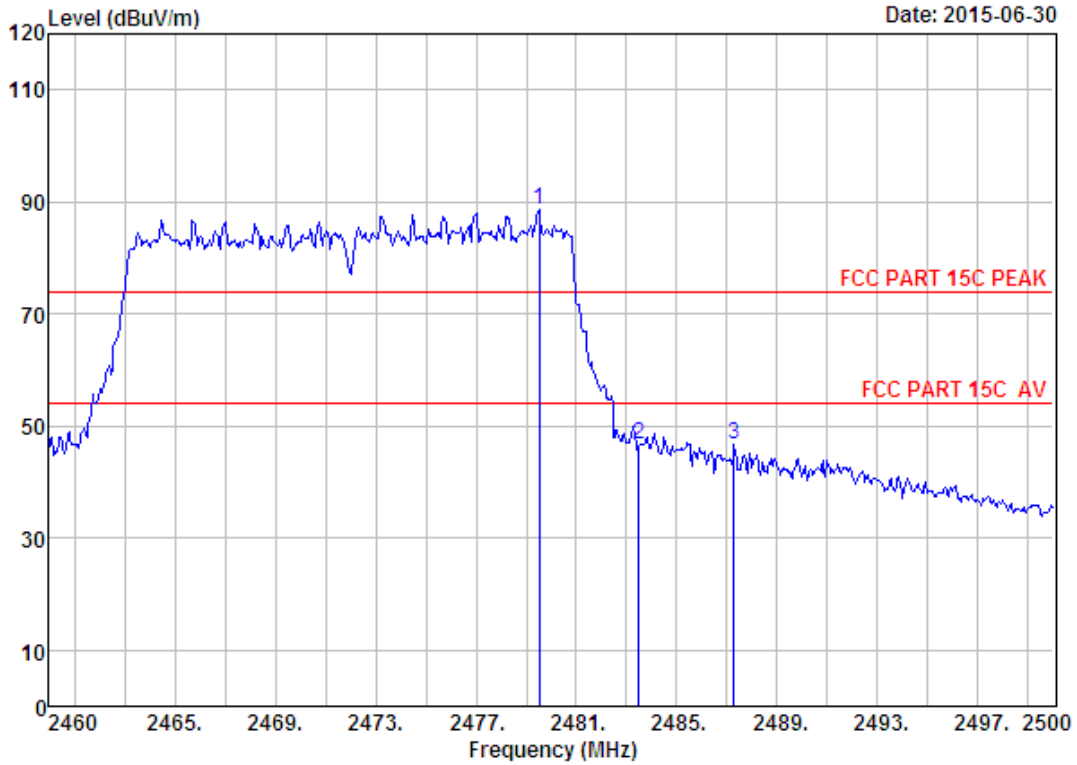
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 497
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	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	2479.52	27.58	6.71	35.11	88.76	87.94	74.00	-13.94	Peak
2	2483.50	27.58	6.71	35.11	51.90	51.08	74.00	22.92	Peak
3	2483.80	27.58	6.71	35.11	53.49	52.67	74.00	21.33	Peak
4	2487.92	27.58	6.73	35.11	49.86	49.06	74.00	24.94	Peak

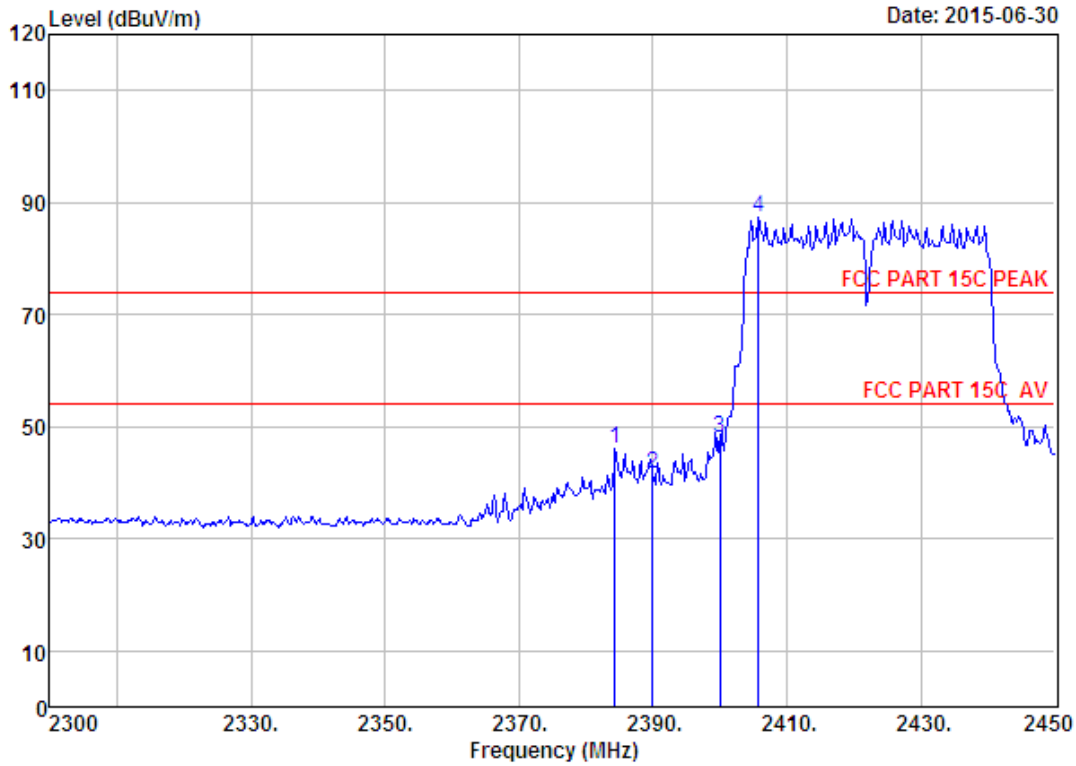
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 498
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT20 CH13 2472TX
 Antenna b

	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	2479.52	27.58	6.71	35.11	89.37	88.55	74.00	-14.55	Peak
2	2483.50	27.58	6.71	35.11	47.65	46.83	74.00	27.17	Peak
3	2487.28	27.58	6.71	35.11	47.63	46.81	74.00	27.19	Peak

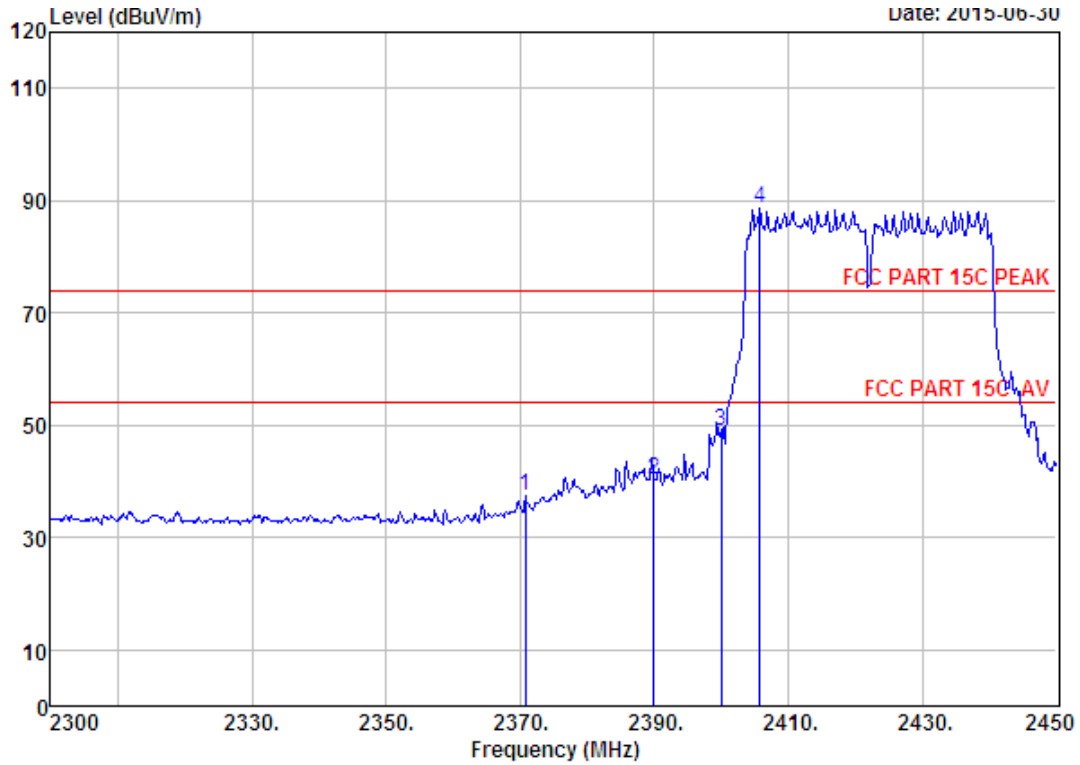
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 501
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	2384.30	27.64	6.60	34.62	46.41	46.03	74.00	27.97	Peak
2	2390.00	27.64	6.62	34.62	42.05	41.69	74.00	32.31	Peak
3	2400.00	27.61	6.62	34.64	48.48	48.07	74.00	25.93	Peak
4	2405.75	27.61	6.64	34.64	87.74	87.35	74.00	-13.35	Peak

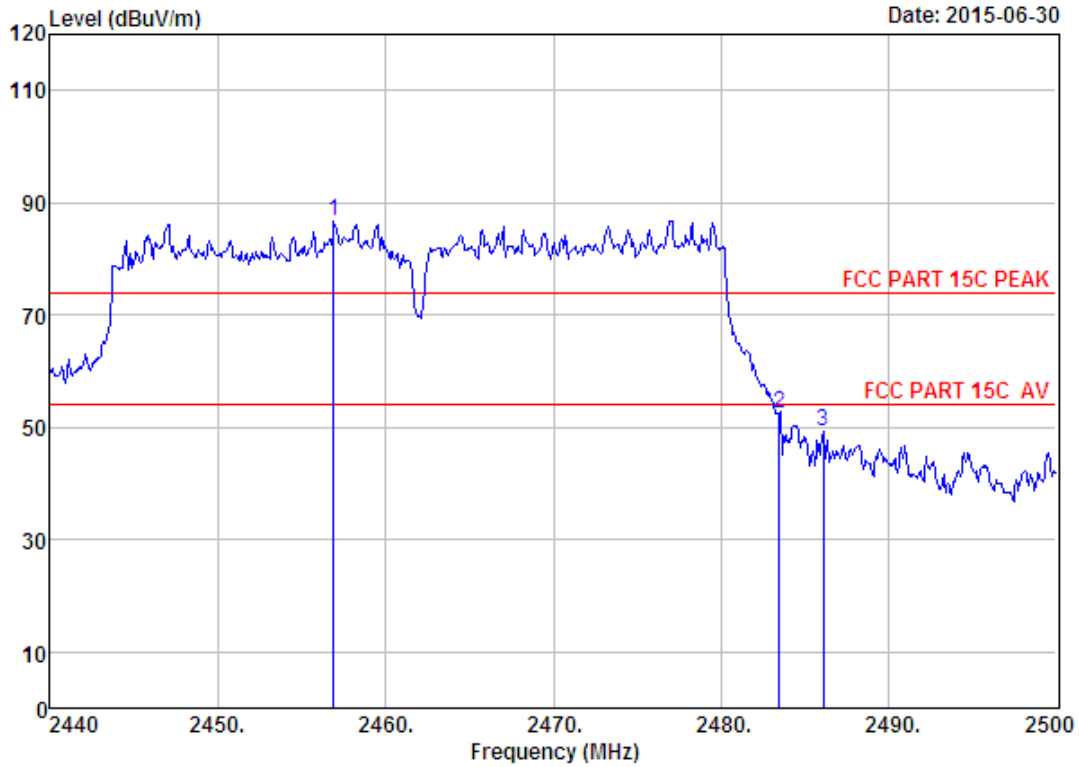
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 502
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH1 2422TX
 Antenna b

	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	2370.80	27.67	6.60	34.59	37.75	37.43	74.00	36.57	Peak
2	2390.00	27.64	6.62	34.62	40.59	40.23	74.00	33.77	Peak
3	2400.00	27.61	6.62	34.64	49.36	48.95	74.00	25.05	Peak
4	2405.75	27.61	6.64	34.64	88.89	88.50	74.00	-14.50	Peak

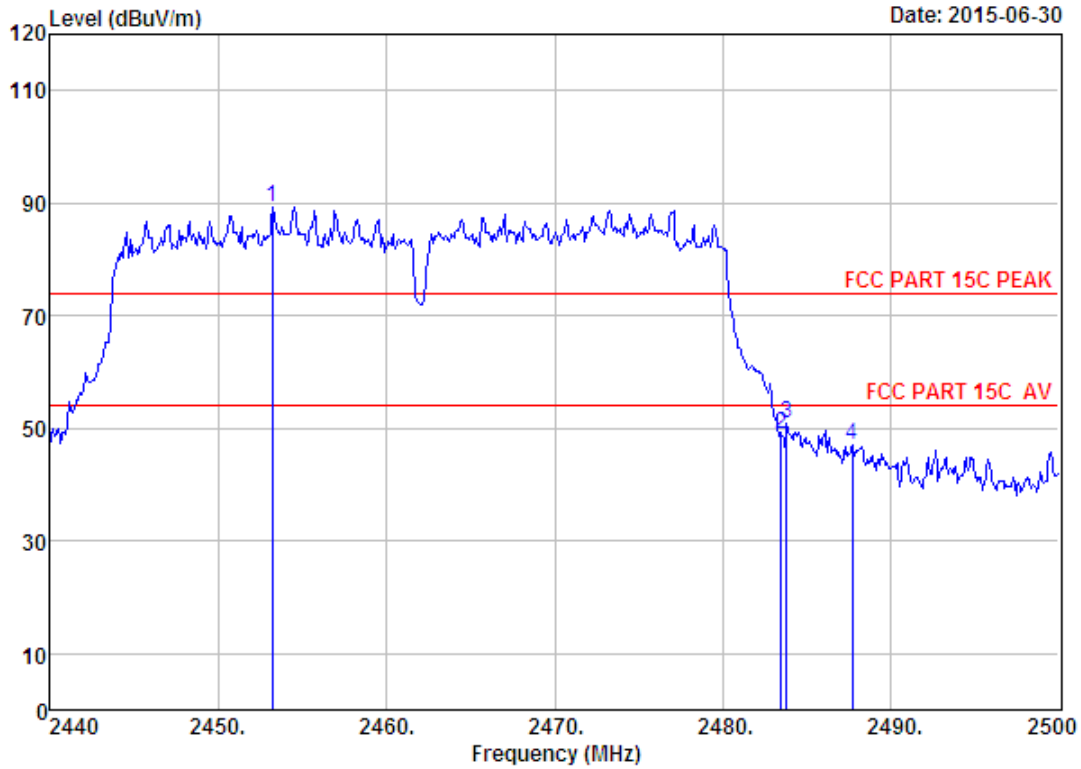
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 1# 966 chamber Data no. : 507
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	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	2456.92	27.59	6.69	34.98	87.41	86.71	74.00	-12.71	Peak
2	2483.50	27.58	6.71	35.11	53.24	52.42	74.00	21.58	Peak
3	2486.08	27.58	6.71	35.11	50.10	49.28	74.00	24.72	Peak

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



Site no. : 1# 966 chamber Data no. : 508
 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : LED TV
 Power : AC 120V/60Hz
 M/N : WD65NC4190
 Test Mode : IEEE 802.11n HT40 CH9 2462TX
 Antenna b

	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	2453.20	27.59	6.67	34.98	90.00	89.28	74.00	-15.28	Peak
2	2483.50	27.58	6.71	35.11	49.88	49.06	74.00	24.94	Peak
3	2483.80	27.58	6.71	35.11	51.82	51.00	74.00	23.00	Peak
4	2487.70	27.58	6.73	35.11	47.71	46.91	74.00	27.09	Peak

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

6 6dB & 20dB Bandwidth Test

6.1 Limit

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

6.2 Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set resolution bandwidth (RBW) = 100 kHz.
 - (2). Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
 - (3). Detector = Peak.
 - (4). Trace mode = max hold.
 - (5). Sweep = auto couple.
 - (6). Allow the trace to stabilize.
 - (7). Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

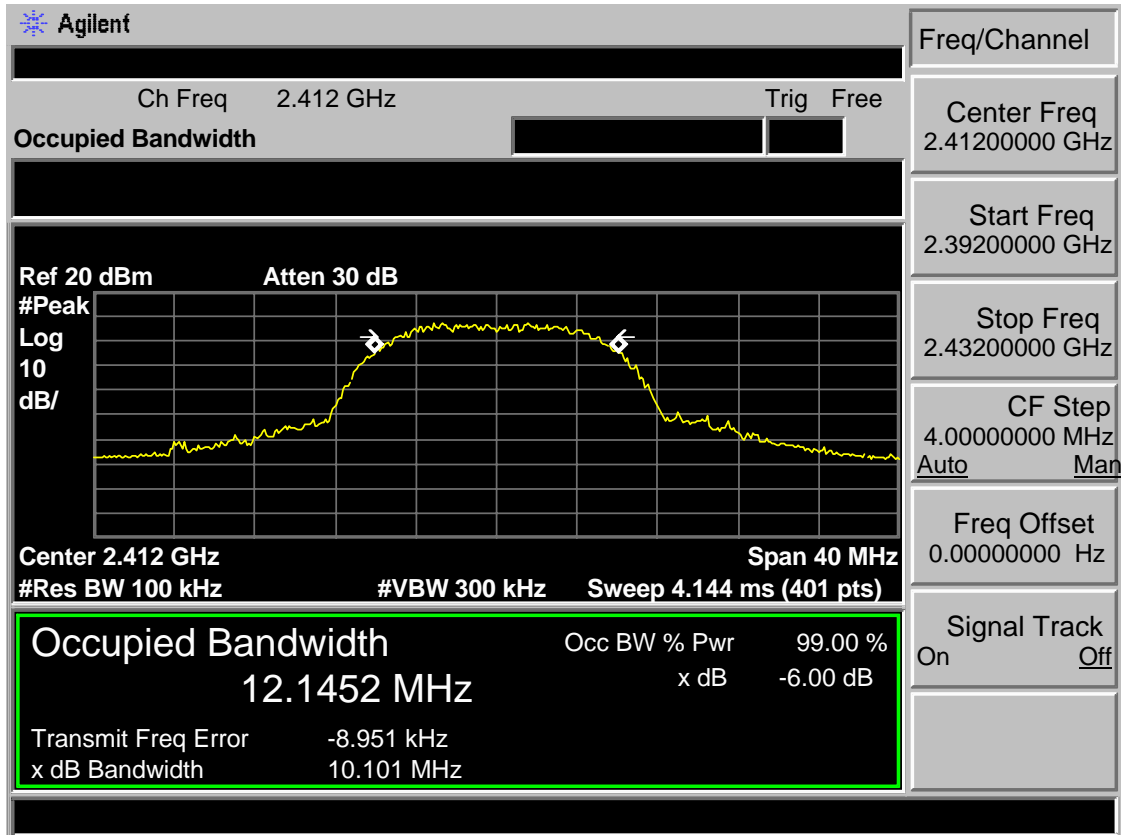
6.3 Test Result

EUT: LED TV				
M/N: WD65NC4190				
Test date: 2015-07-01		Tested by: Tony.Tang		Test site: RF Site
Test Mode	CH	6dB bandwidth (MHz)	20dB bandwidth (MHz)	Limit (KHz)
IEEE 802.11 b (ANT a)	CH1	10.101	14.240	>500
	CH7	10.085	14.229	>500
	CH13	10.103	14.238	>500
IEEE 802.11 g (ANT a)	CH1	16.581	18.884	>500
	CH7	16.566	18.850	>500
	CH13	16.551	18.983	>500
IEEE 802.11 n HT 20(ANT a)	CH1	17.717	19.564	>500
	CH7	17.729	19.557	>500
	CH13	17.717	19.492	>500
IEEE 802.11 n HT 40(ANT a)	CH1	36.443	40.668	>500
	CH5	36.431	40.624	>500
	CH9	36.469	40.810	>500
Conclusion : PASS				

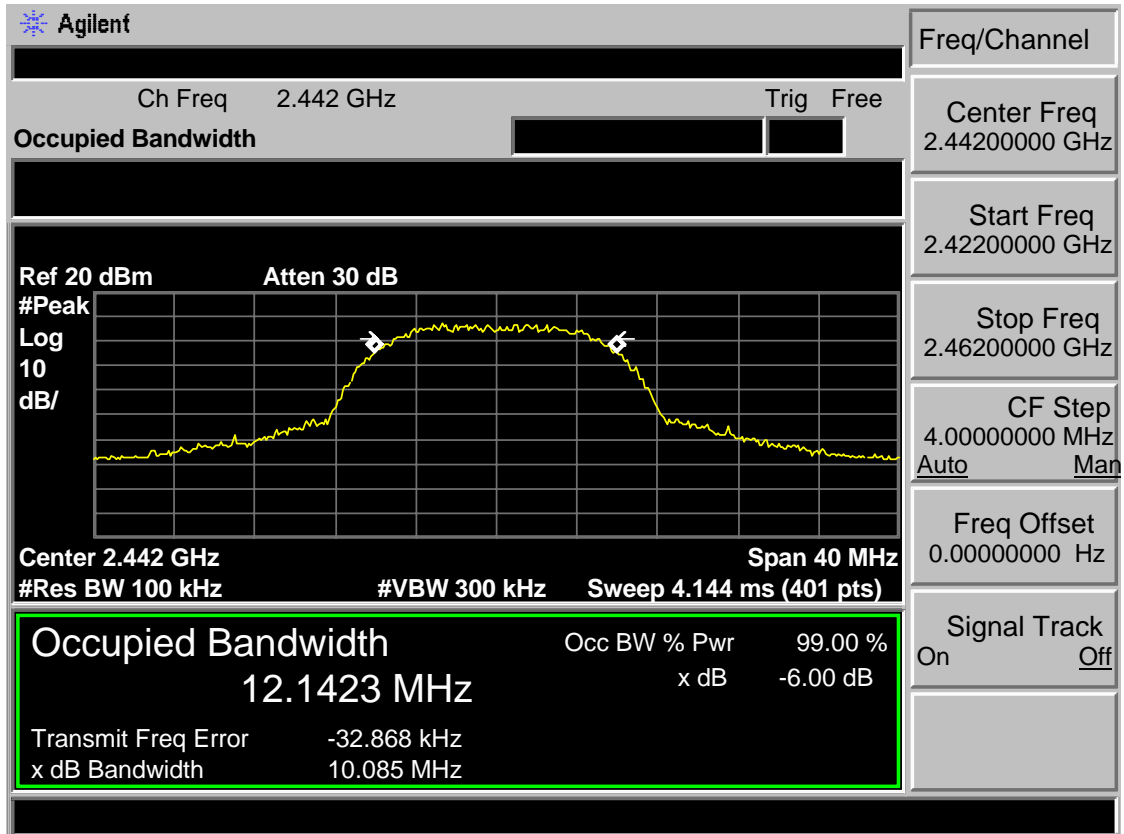
EUT: LED TV				
M/N: WD65NC4190				
Test date: 2015-07-01		Tested by: Tony.Tang		Test site: RF Site
Test Mode	CH	6dB bandwidth (MHz)	20dB bandwidth (MHz)	Limit (KHz)
IEEE 802.11 b (ANT b)	CH1	9.547	14.223	>500
	CH7	9.616	14.230	>500
	CH13	10.110	14.239	>500
IEEE 802.11 g (ANT b)	CH1	16.562	18.745	>500
	CH7	16.559	18.837	>500
	CH13	16.554	18.742	>500
IEEE 802.11 n HT 20(ANT b)	CH1	17.744	19.401	>500
	CH7	17.711	19.403	>500
	CH13	17.707	19.474	>500
IEEE 802.11 n HT 40(ANT b)	CH1	36.527	40.732	>500
	CH5	36.398	40.331	>500
	CH9	36.402	40.501	>500
Conclusion : PASS				

6.4 6dB Test Data

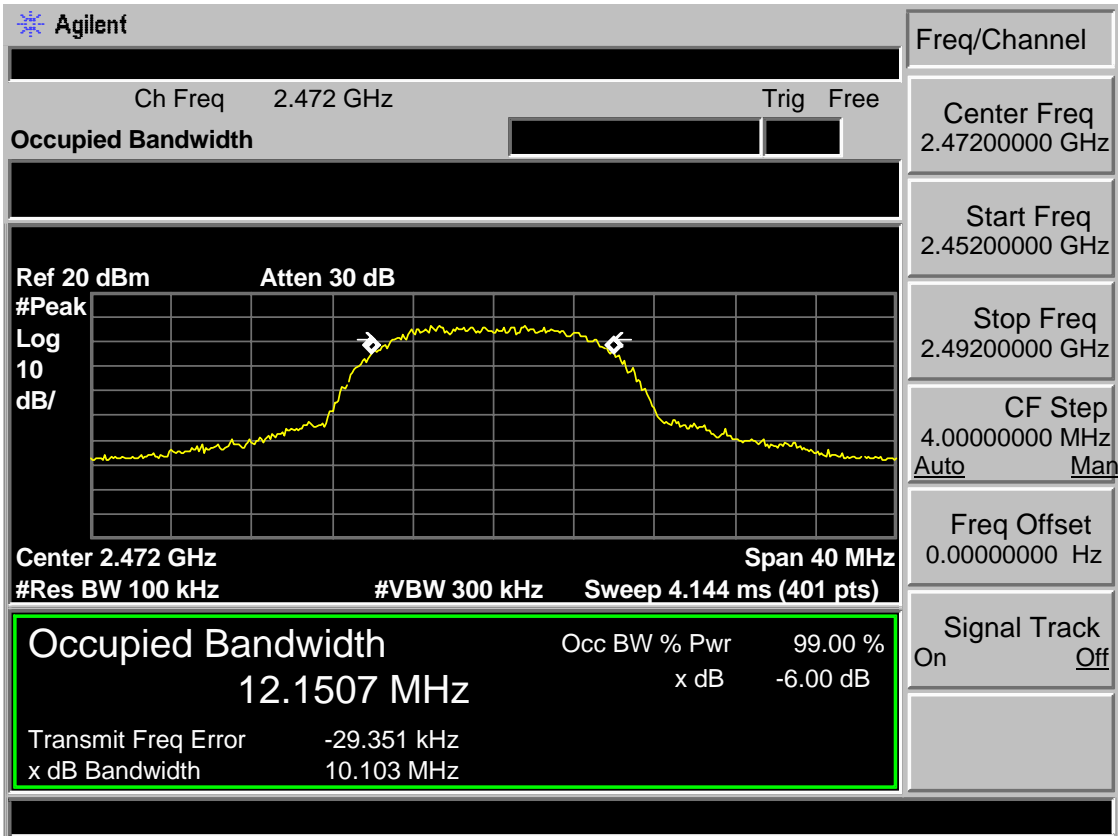
Test Mode: IEEE 802.11b 2412MHz (ANT a)



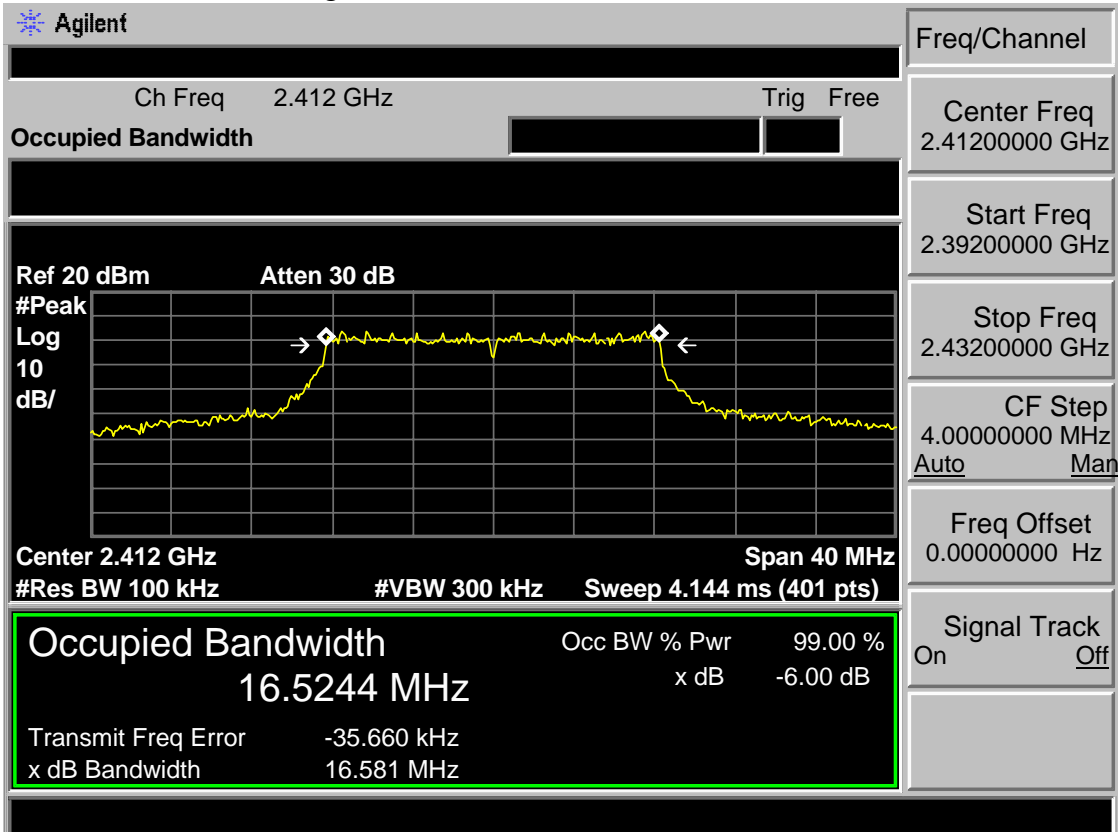
Test Mode: IEEE 802.11b 2442MHz (ANT a)



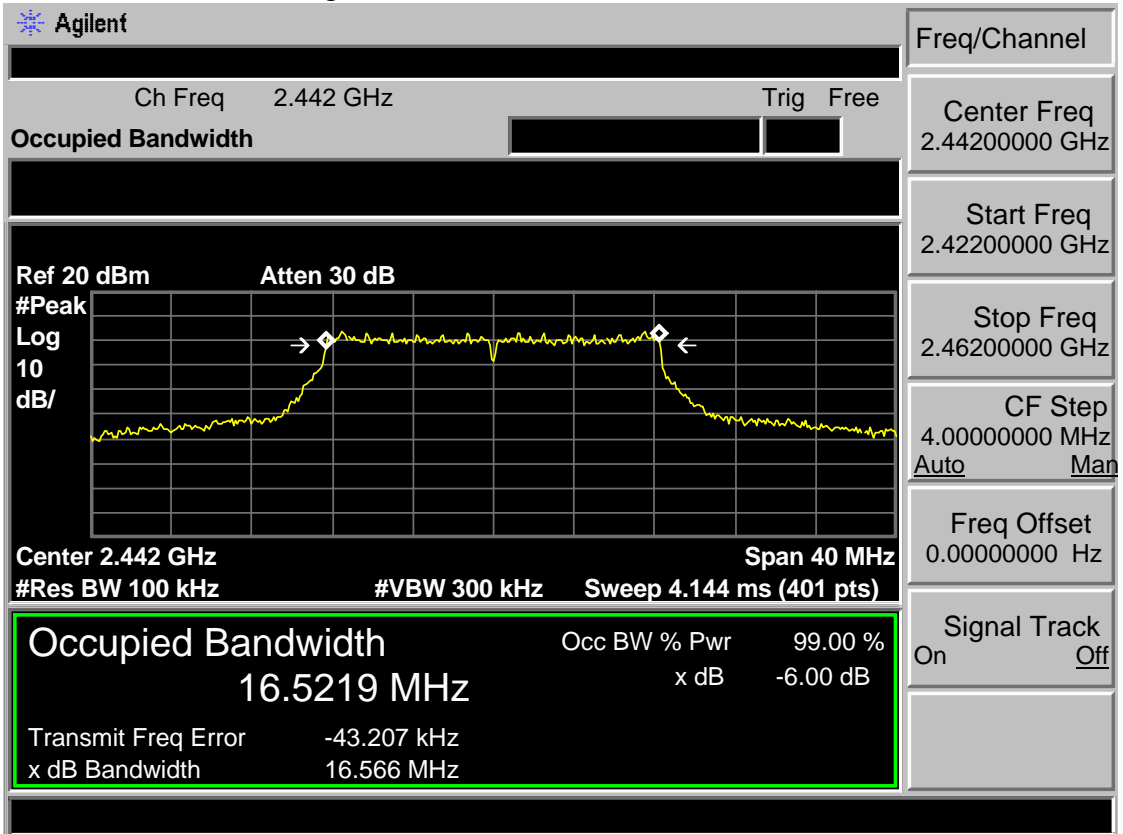
Test Mode: IEEE 802.11b 2472MHz (ANT a)



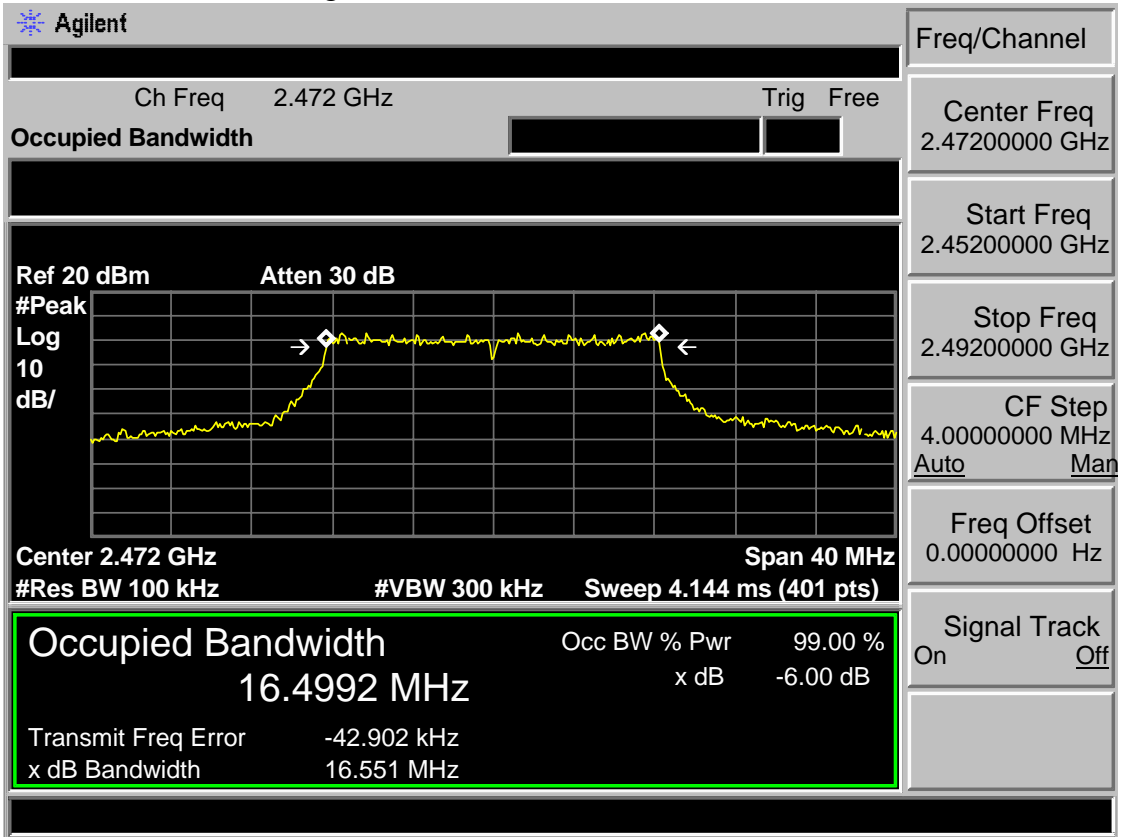
Test Mode: IEEE 802.11g 2412MHz (ANT a)



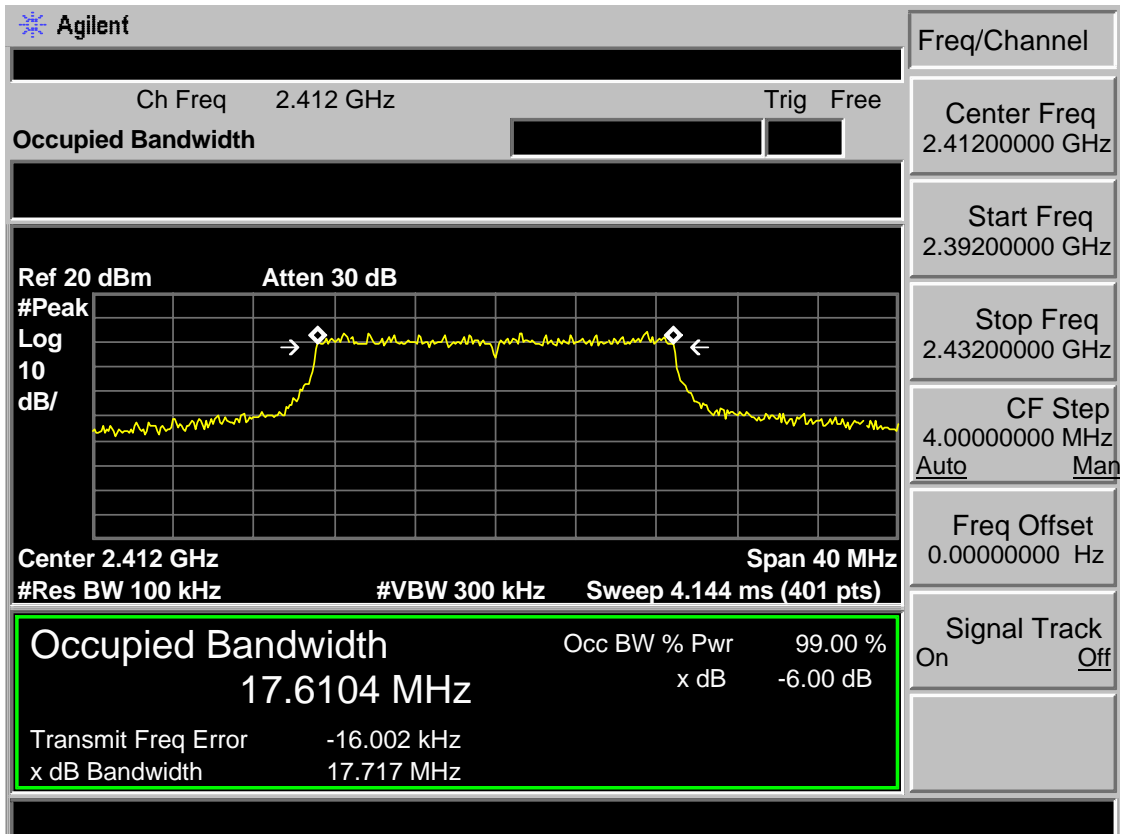
Test Mode: IEEE 802.11g 2442MHz (ANT a)



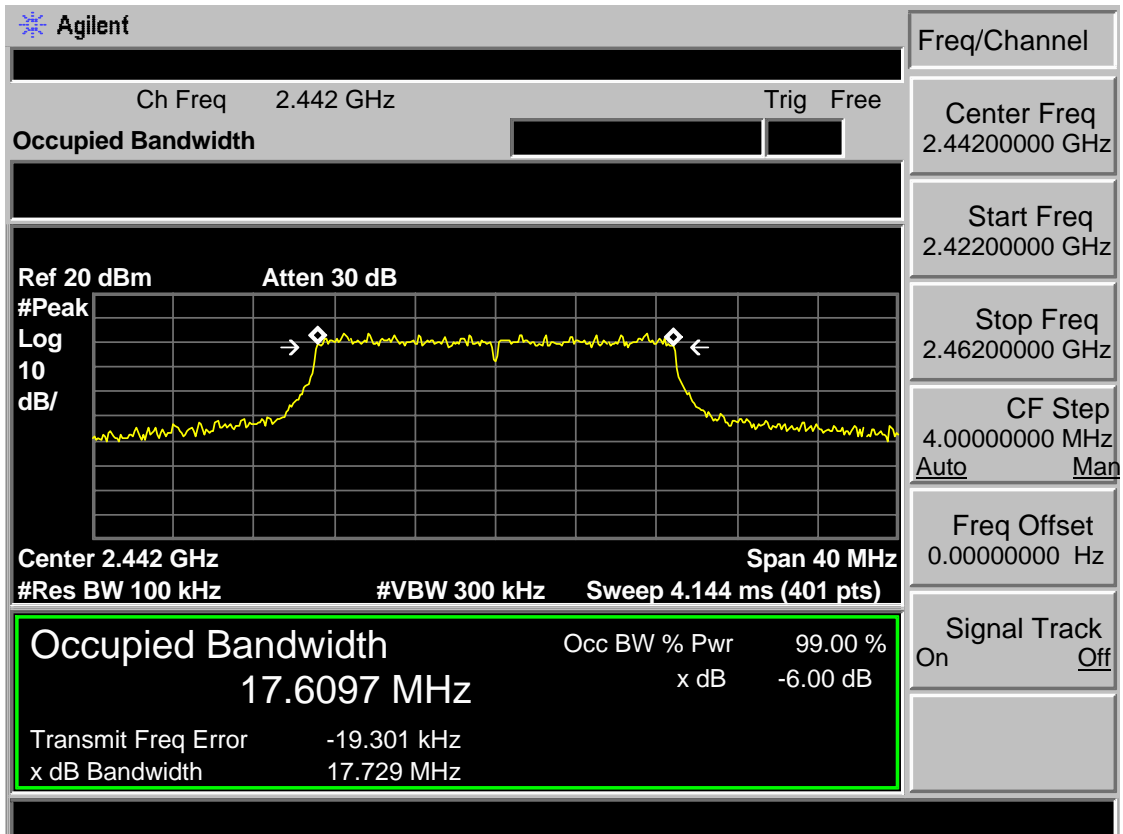
Test Mode: IEEE 802.11g 2472MHz (ANT a)



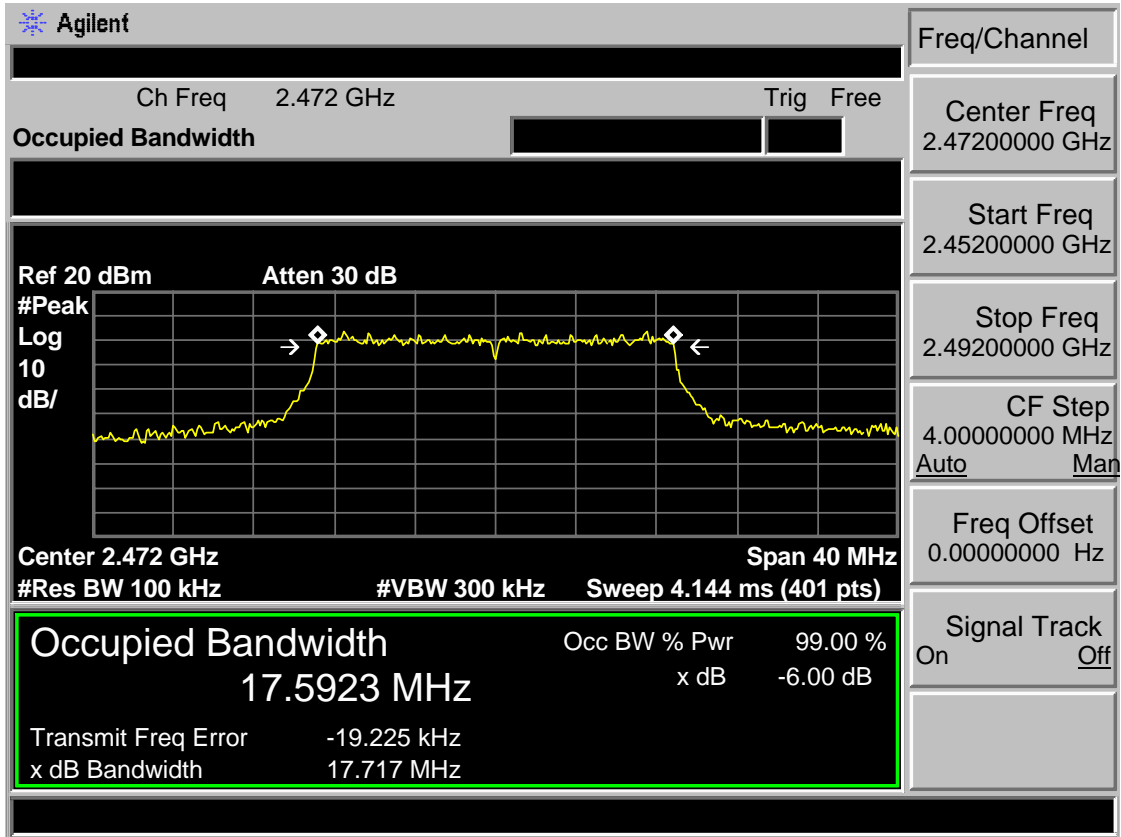
Test Mode: IEEE 802.11n HT20 2412MHz (ANT a)



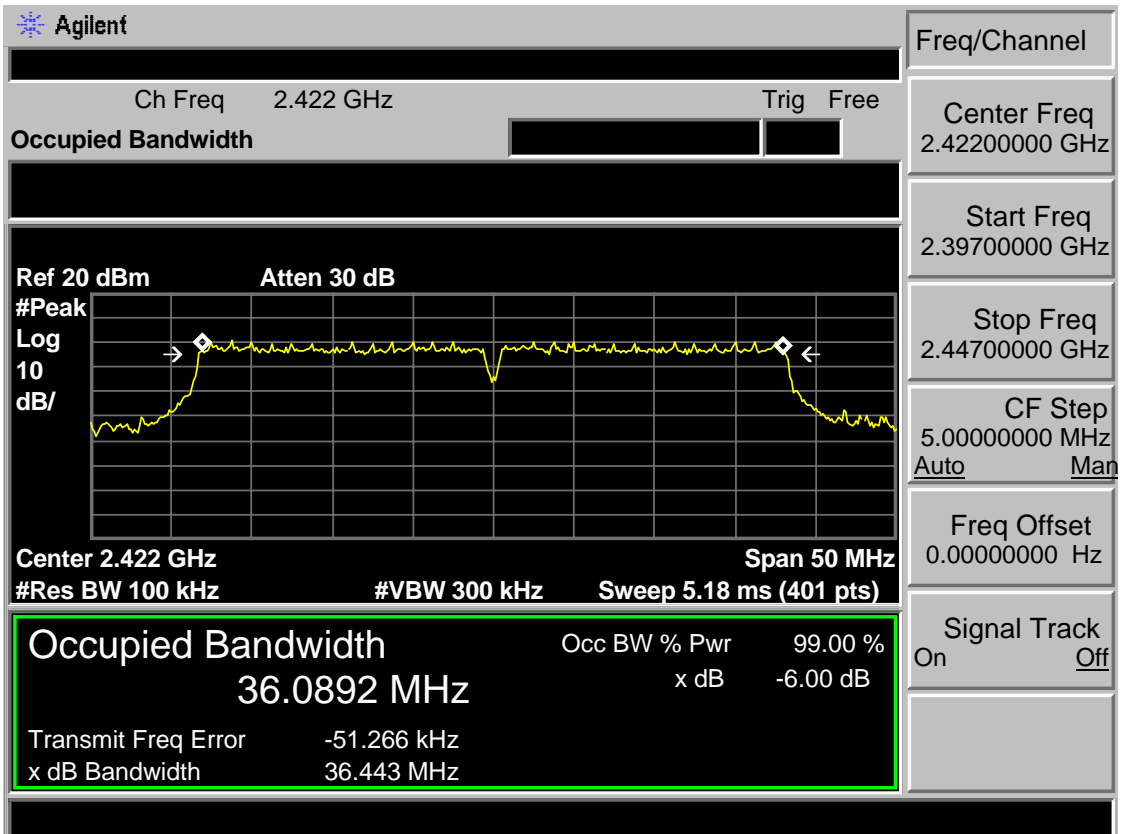
Test Mode: IEEE 802.11n HT20 2442MHz (ANT a)



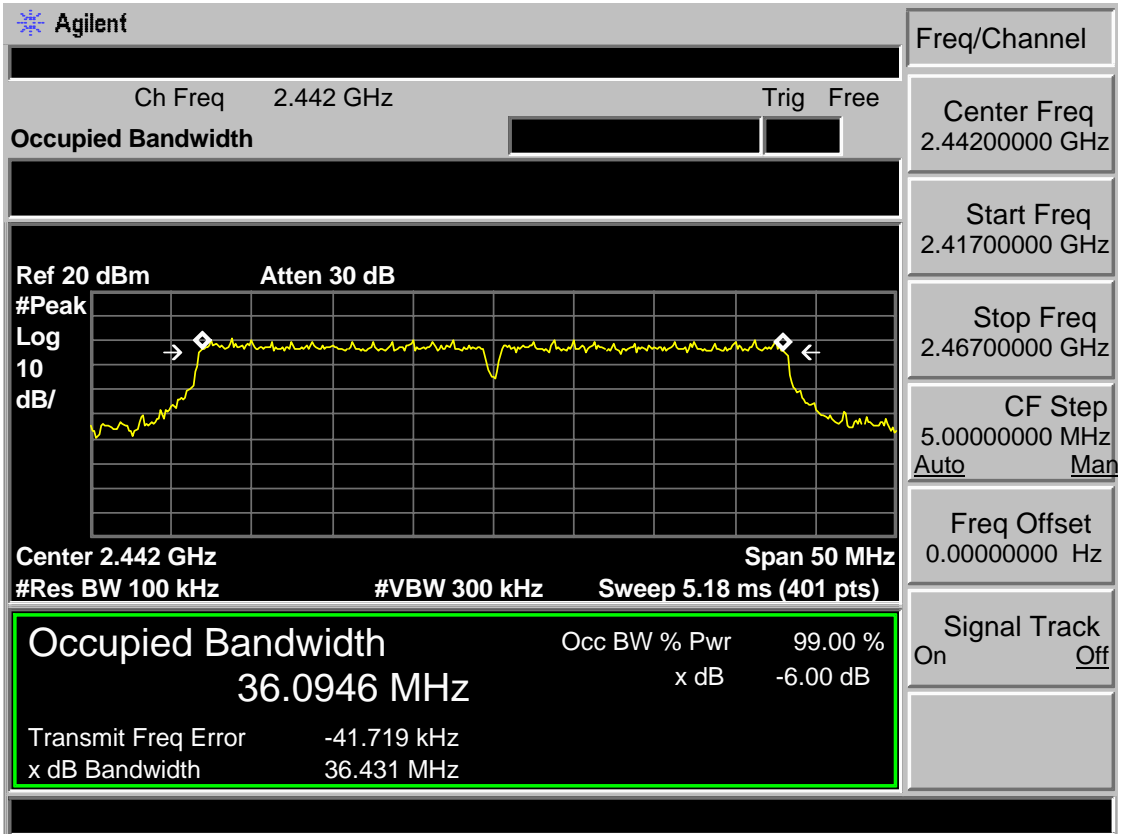
Test Mode: IEEE 802.11n HT20 2472MHz (ANT a)



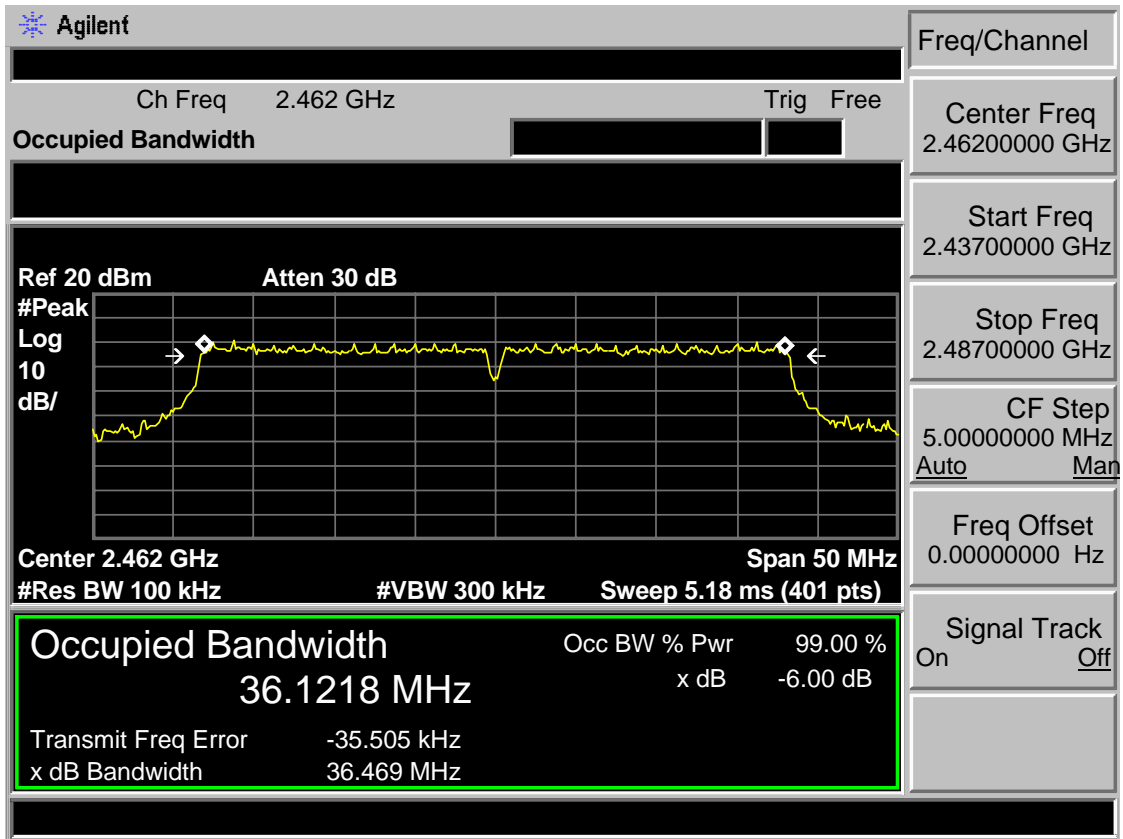
Test Mode: IEEE 802.11n HT40 2422MHz (ANT a)



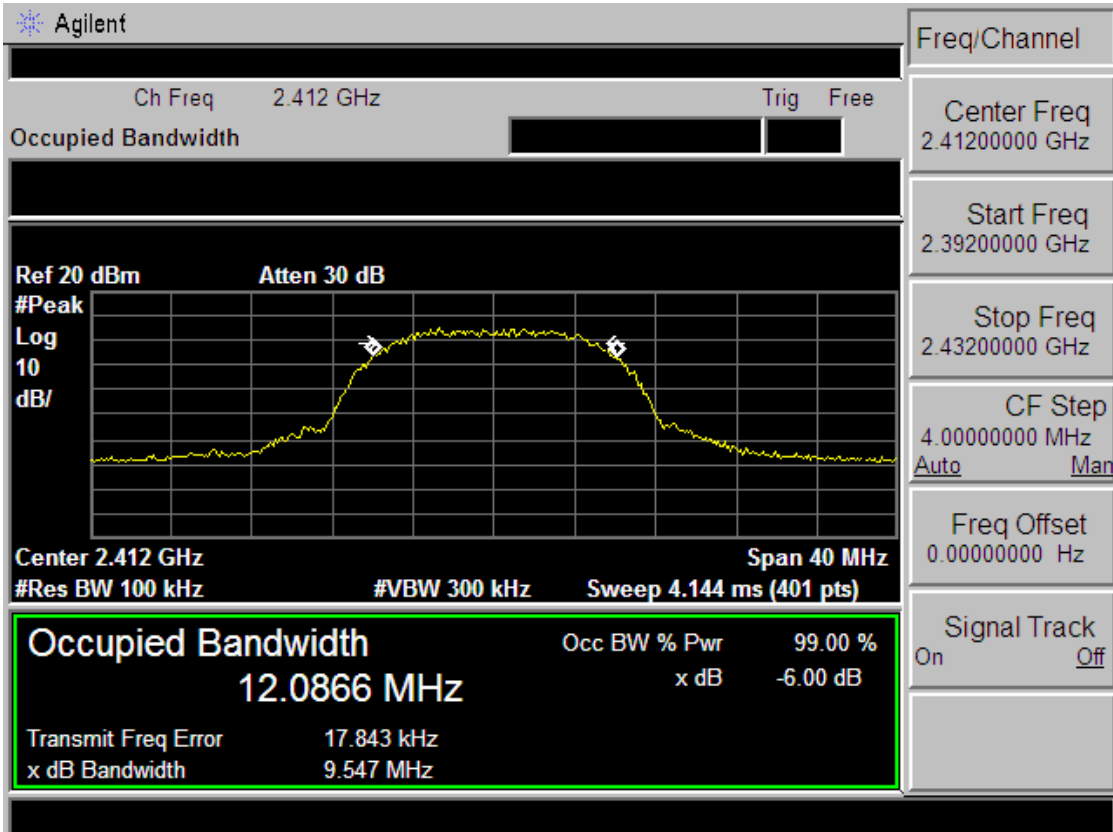
Test Mode: IEEE 802.11n HT40 2442MHz (ANT a)



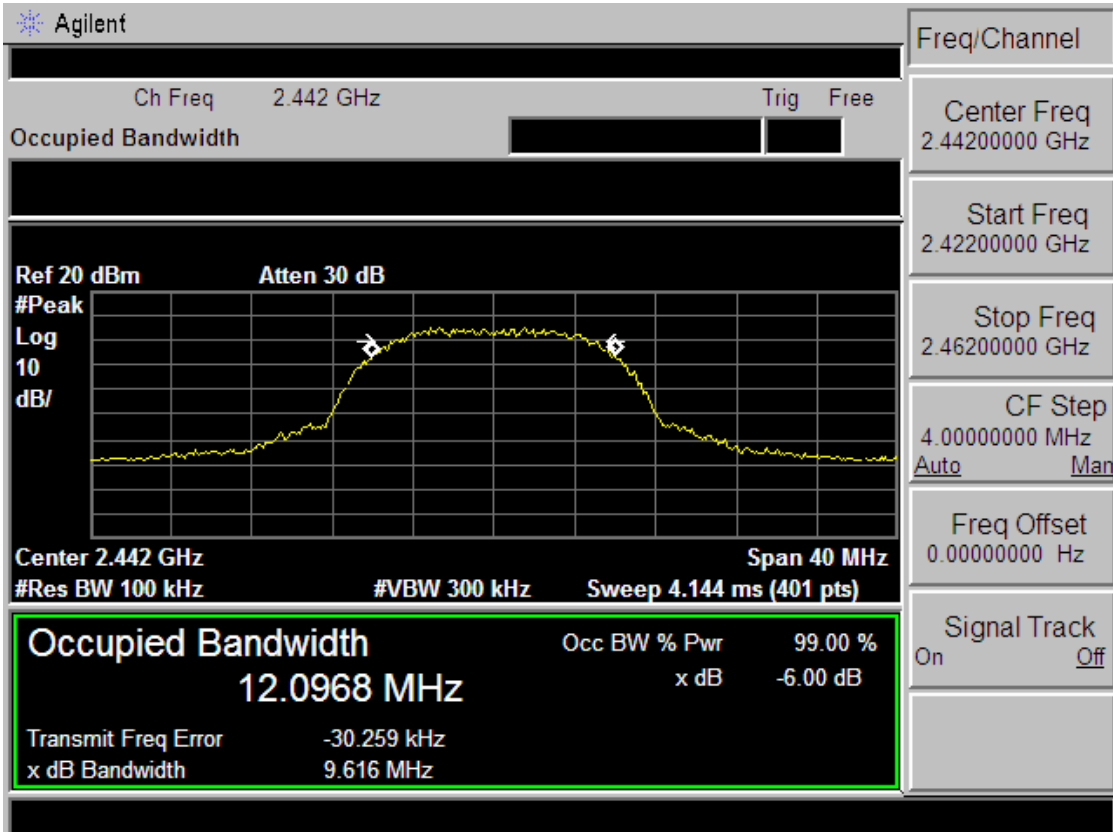
Test Mode: IEEE 802.11n HT40 2462MHz (ANT a)



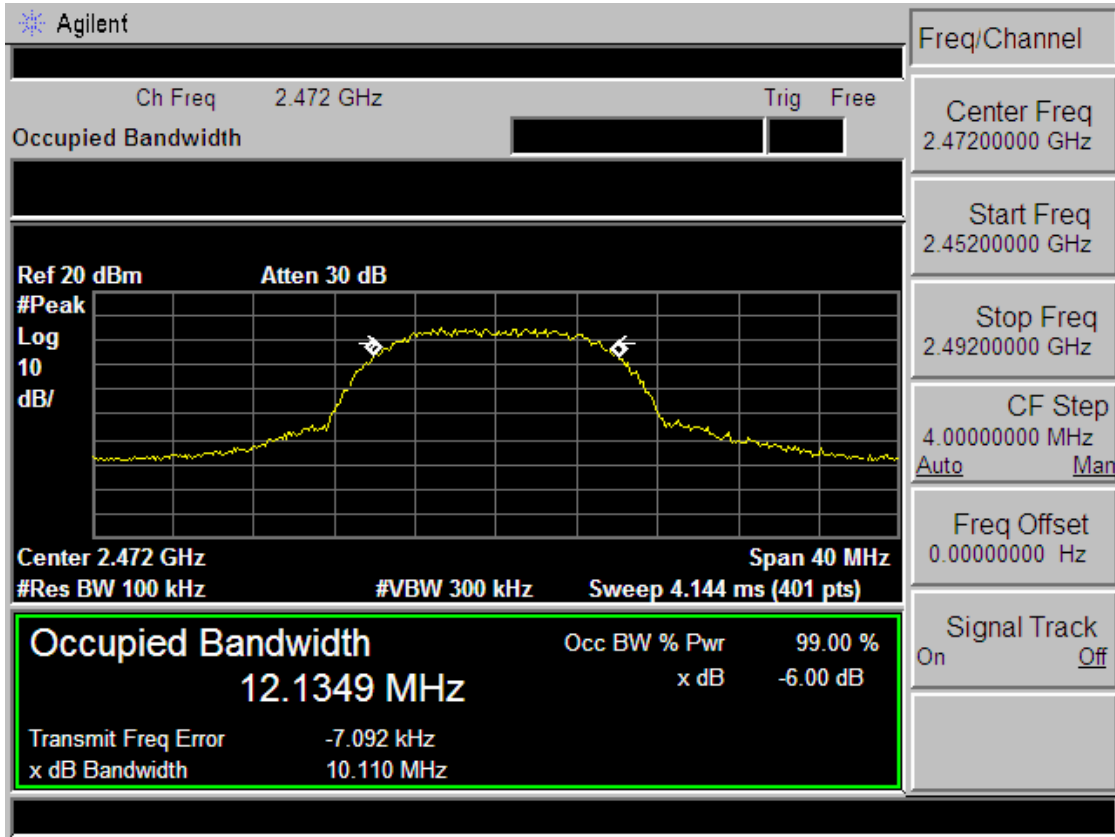
Test Mode: IEEE 802.11b 2412MHz (ANT b)



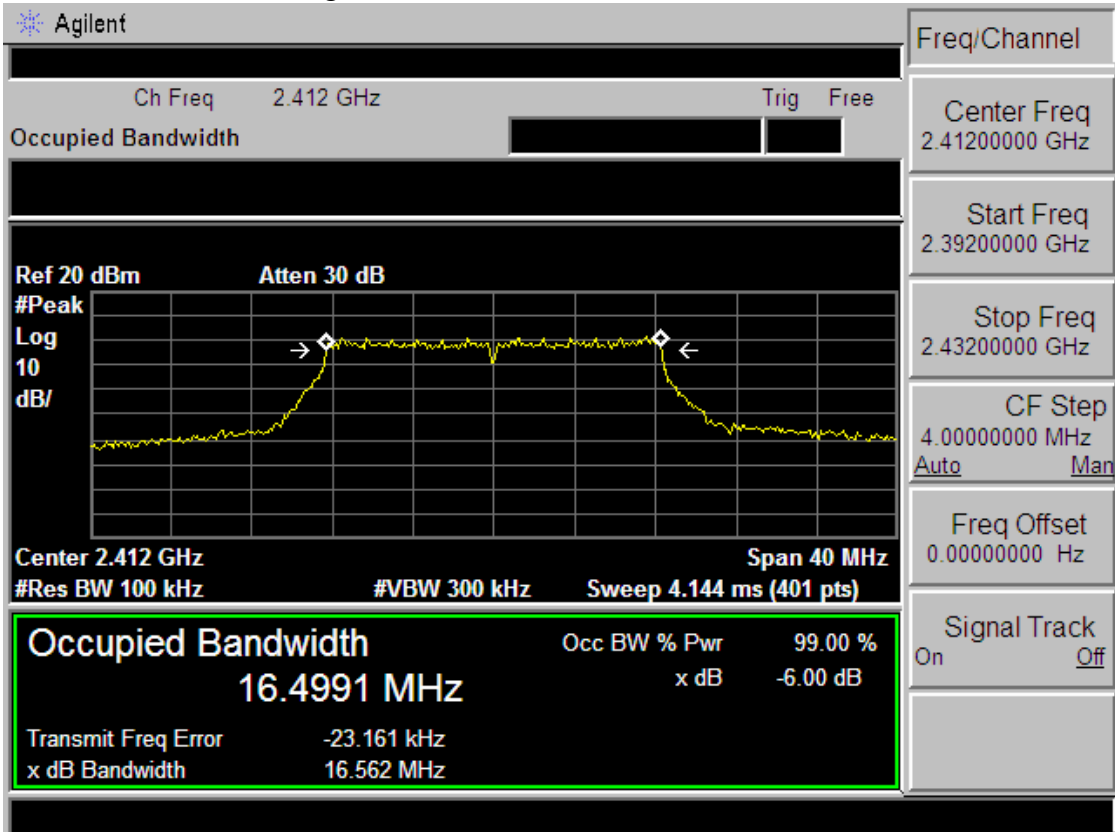
Test Mode: IEEE 802.11b 2442MHz (ANT b)



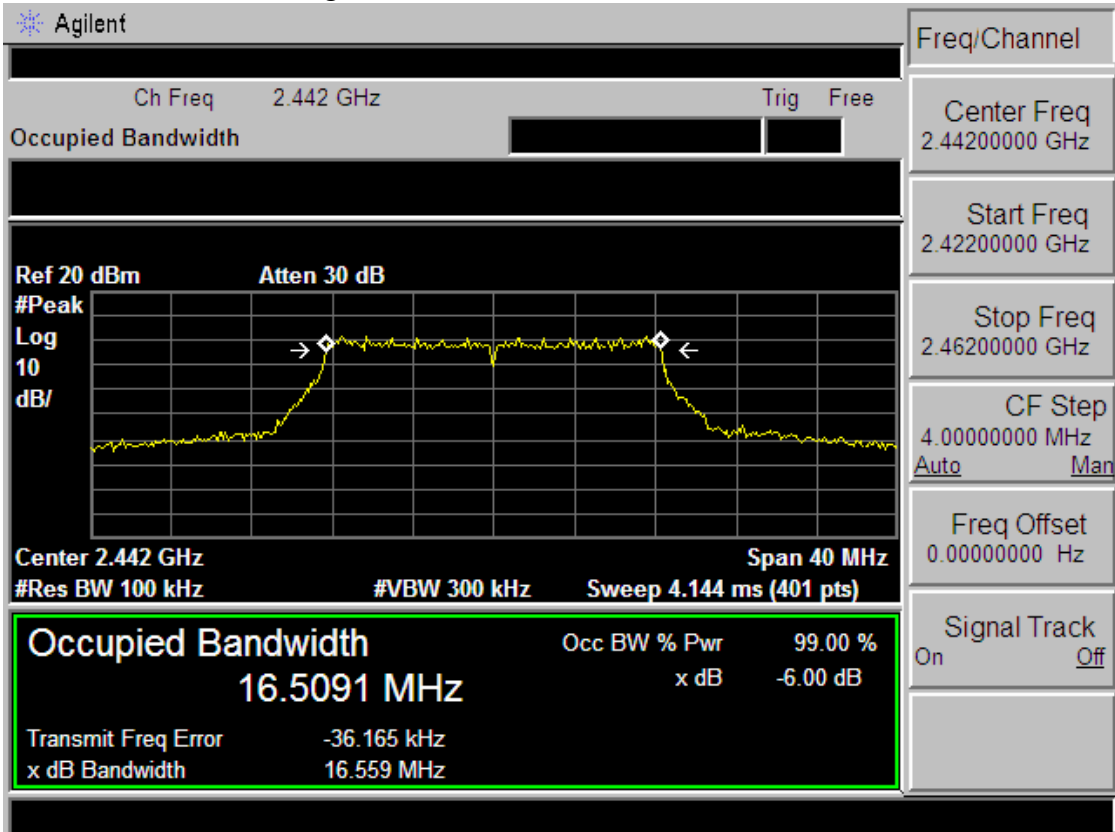
Test Mode: IEEE 802.11b 2472MHz (ANT b)



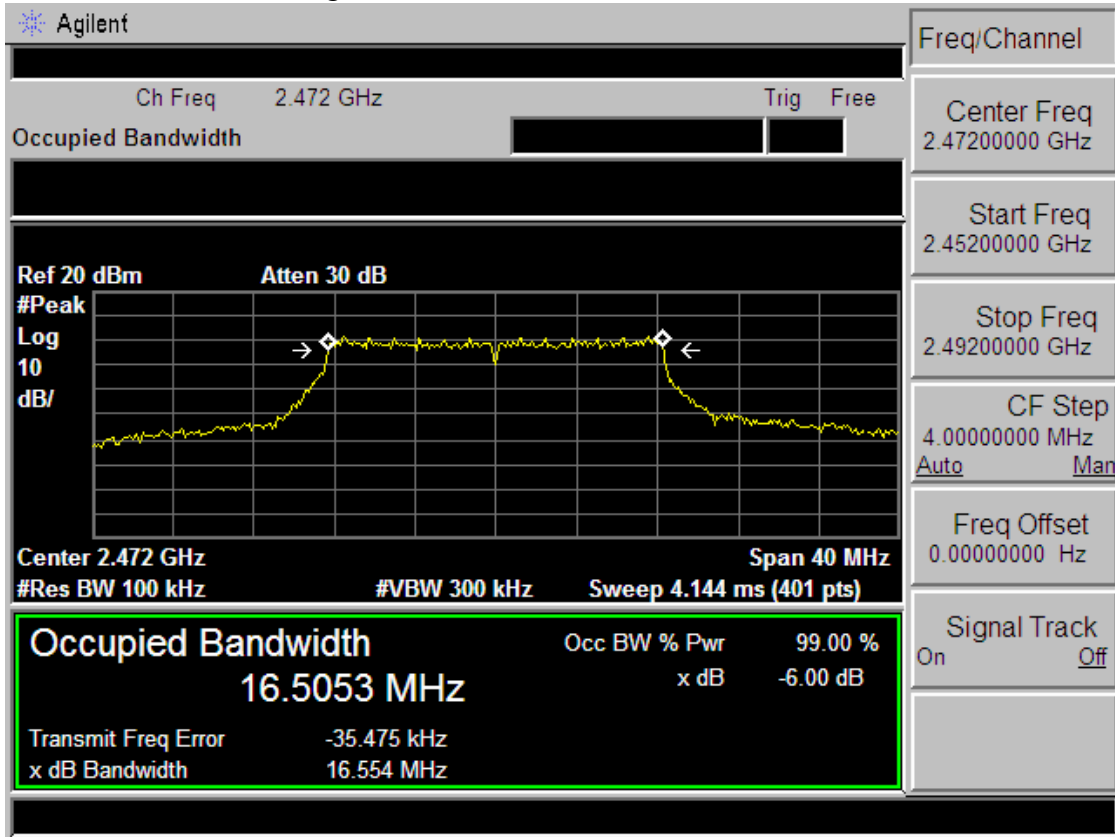
Test Mode: IEEE 802.11g 2412MHz (ANT b)



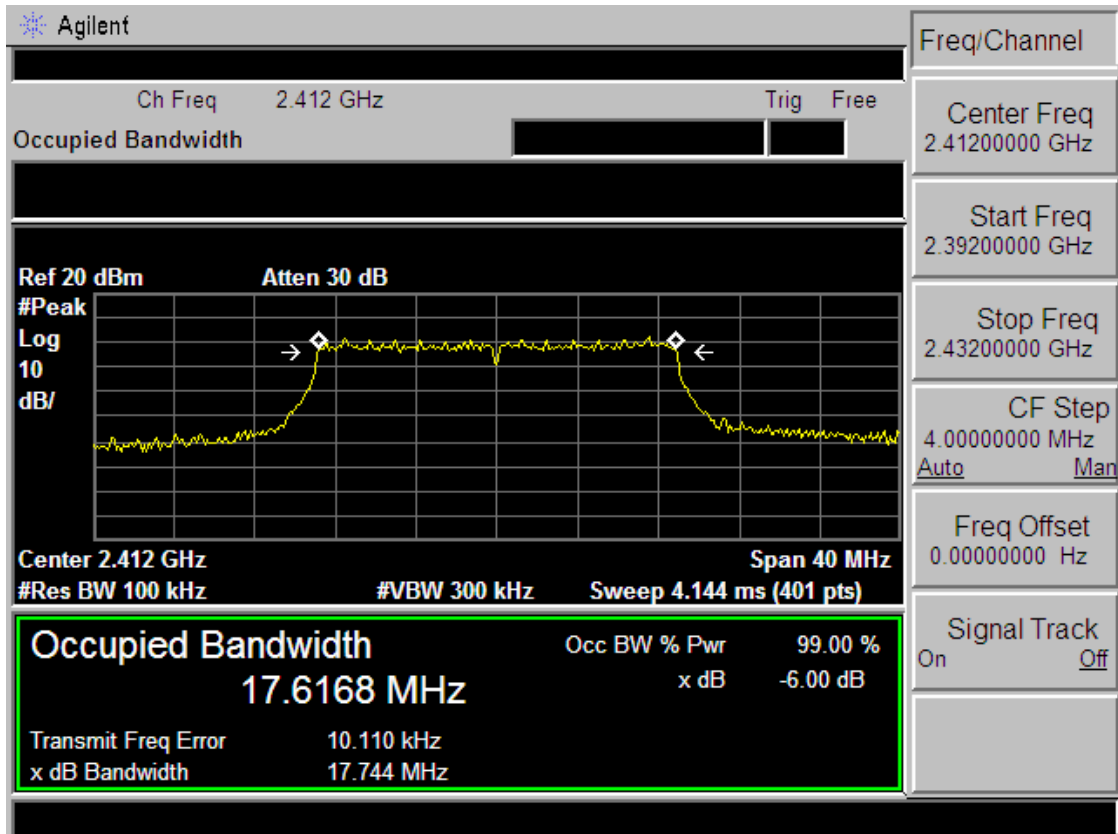
Test Mode: IEEE 802.11g 2442MHz (ANT b)



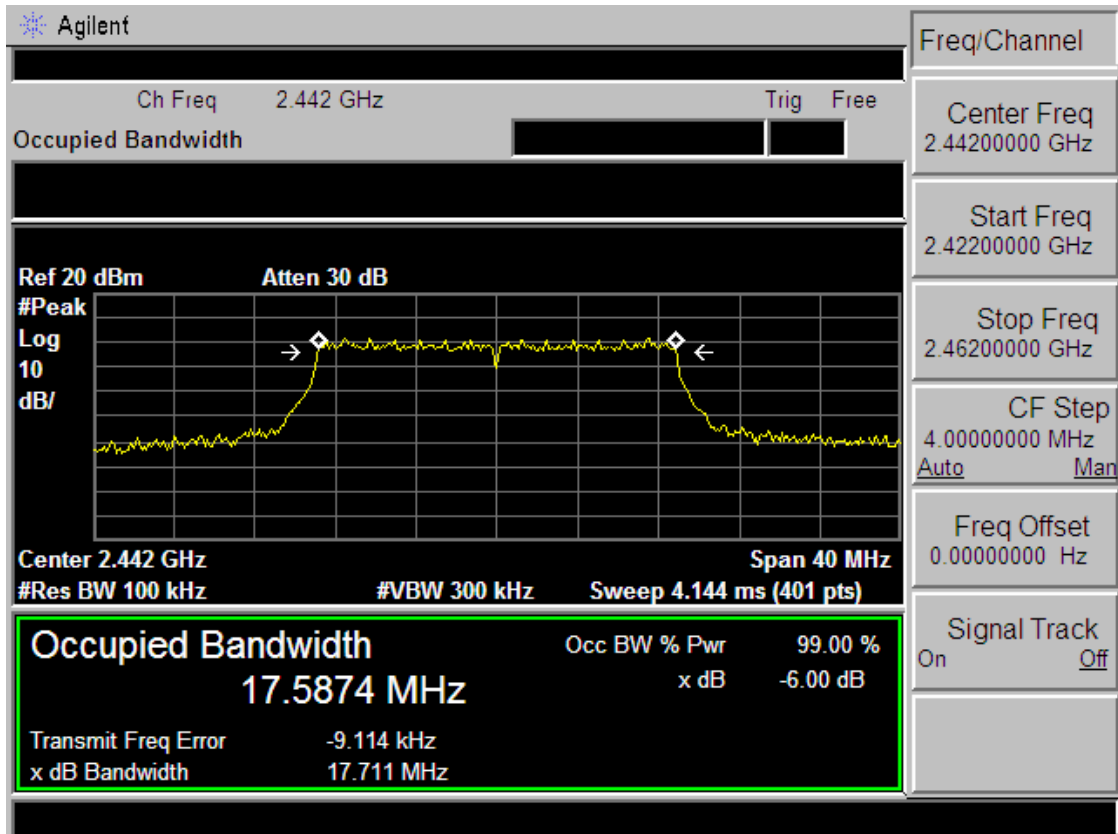
Test Mode: IEEE 802.11g 2472MHz (ANT b)



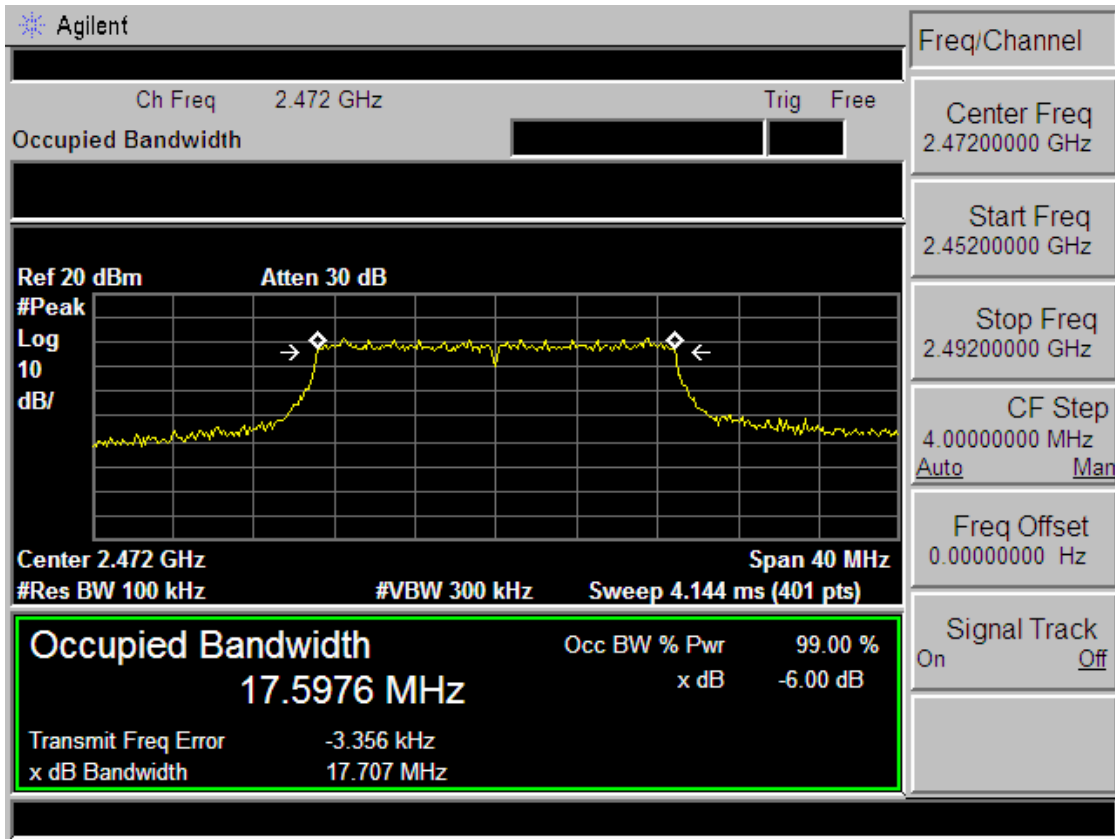
Test Mode: IEEE 802.11n HT20 2412MHz (ANT b)



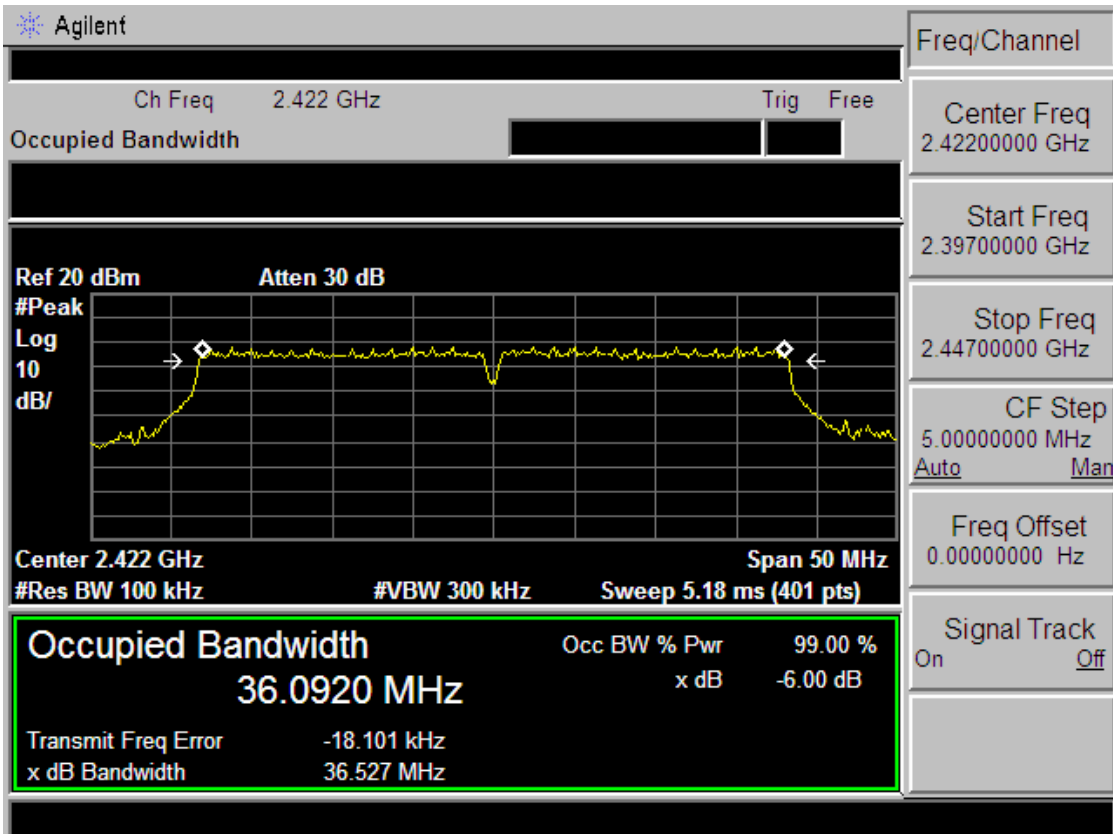
Test Mode: IEEE 802.11n HT20 2442MHz (ANT b)



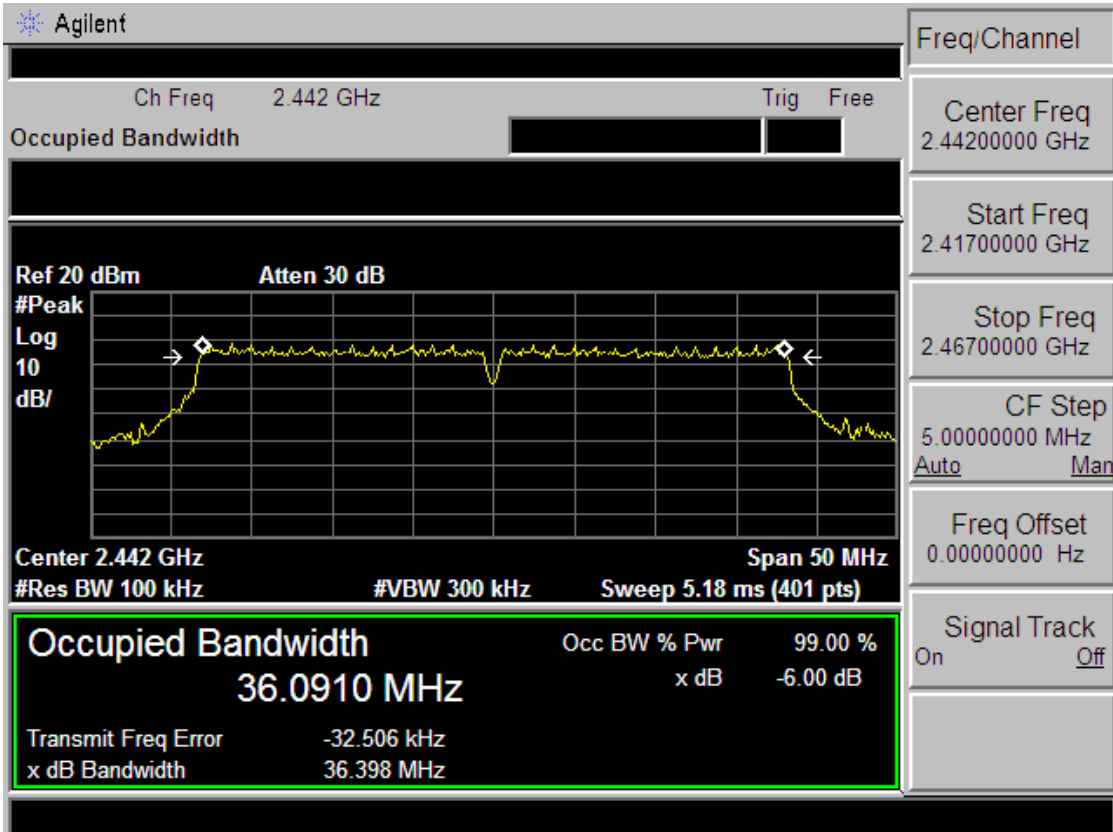
Test Mode: IEEE 802.11n HT20 2472MHz (ANT b)



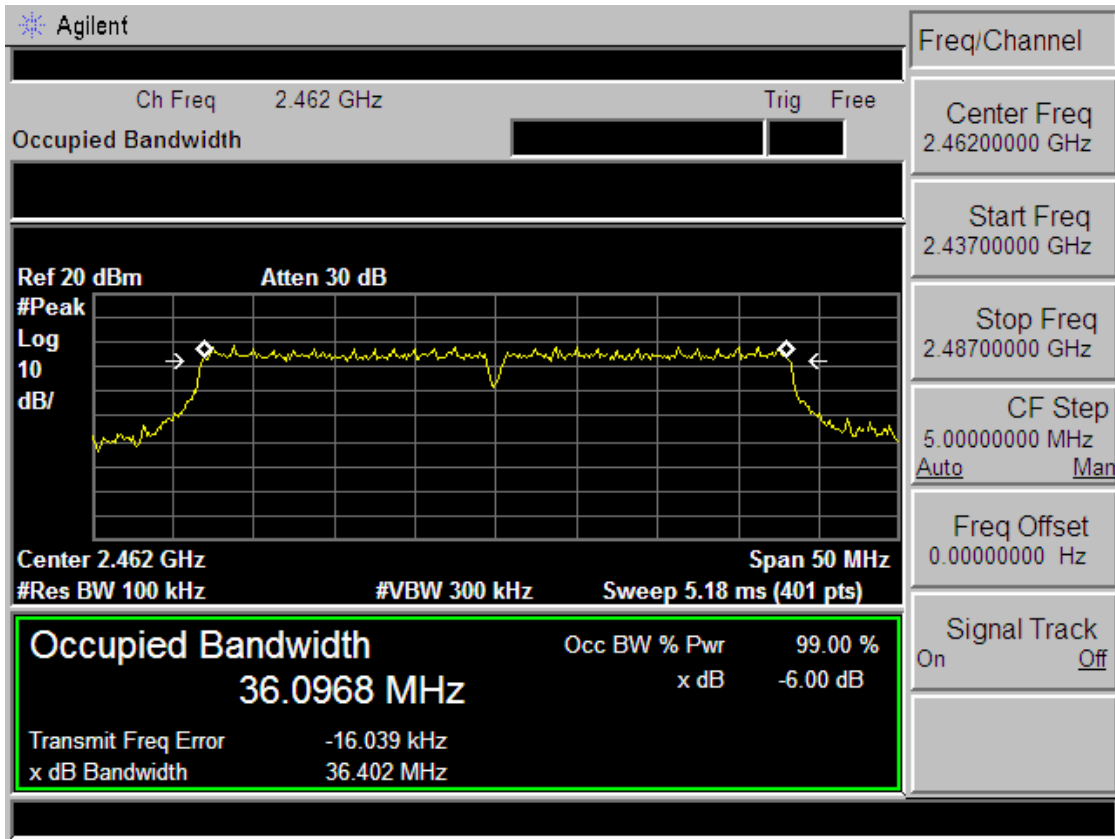
Test Mode: IEEE 802.11n HT40 2422MHz (ANT b)



Test Mode: IEEE 802.11n HT40 2442MHz (ANT b)

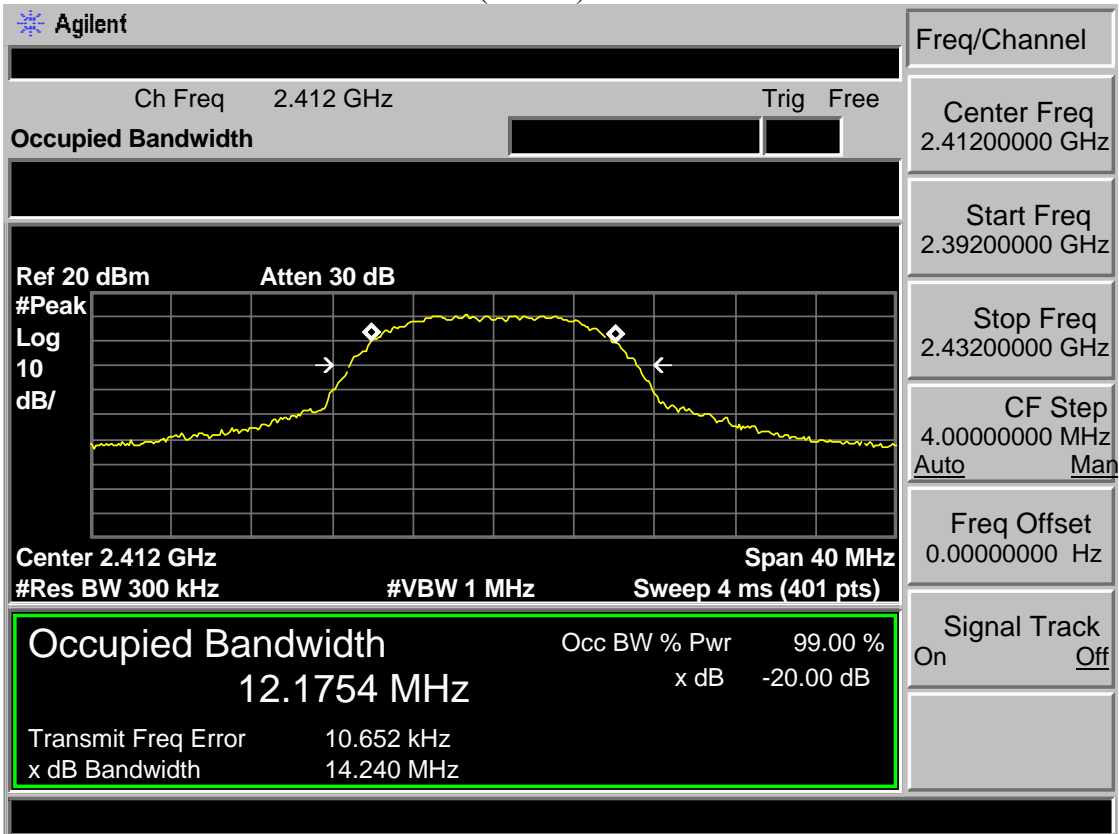


Test Mode: IEEE 802.11n HT40 2462MHz (ANT b)

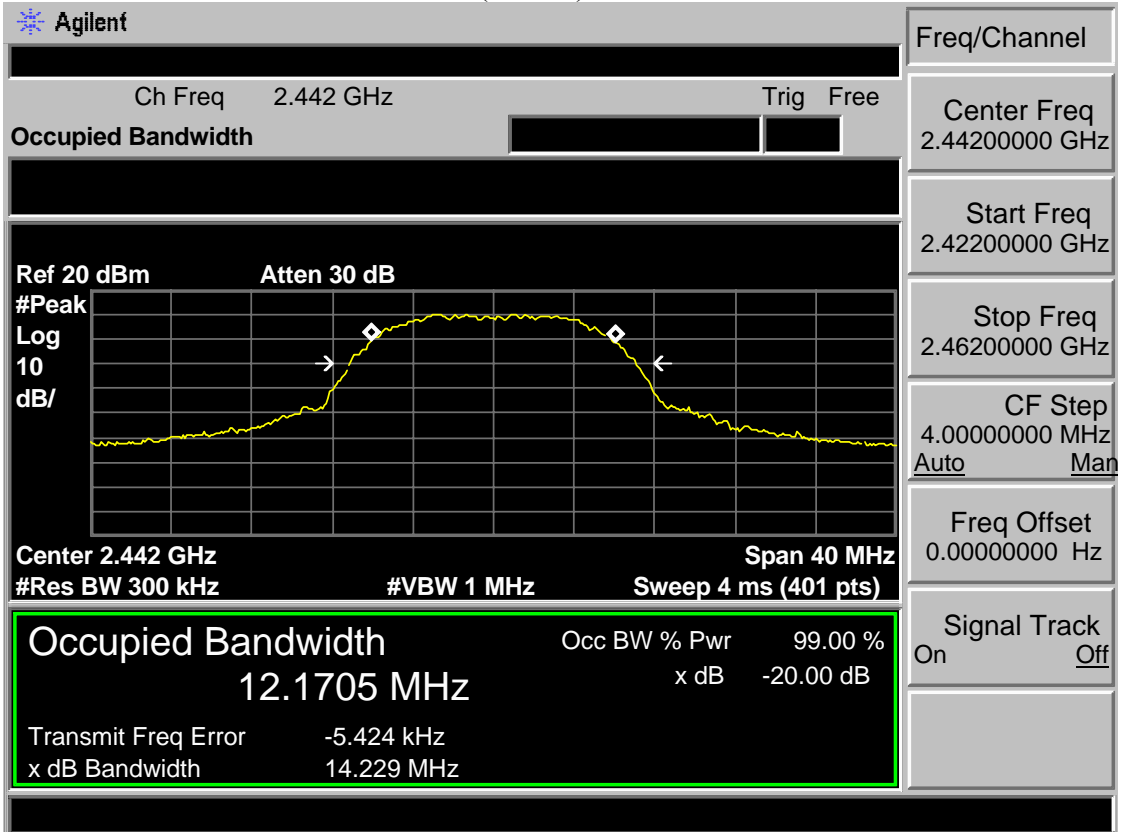


6.5 20dB Test Data

Test Mode: IEEE 802.11b 2412MHz(ANT a)



Test Mode: IEEE 802.11b 2442MHz(ANT a)



Test Mode: IEEE 802.11b 2472MHz(ANT a)

Agilent

Ch Freq 2.472 GHz Trig Free

Occupied Bandwidth

Center 2.472 GHz Span 40 MHz

#Res BW 300 kHz #VBW 1 MHz Sweep 4 ms (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
12.1676 MHz	x dB	-20.00 dB
Transmit Freq Error	174.512 Hz	
x dB Bandwidth	14.238 MHz	

Freq/Channel

Center Freq
2.47200000 GHz

Start Freq
2.45200000 GHz

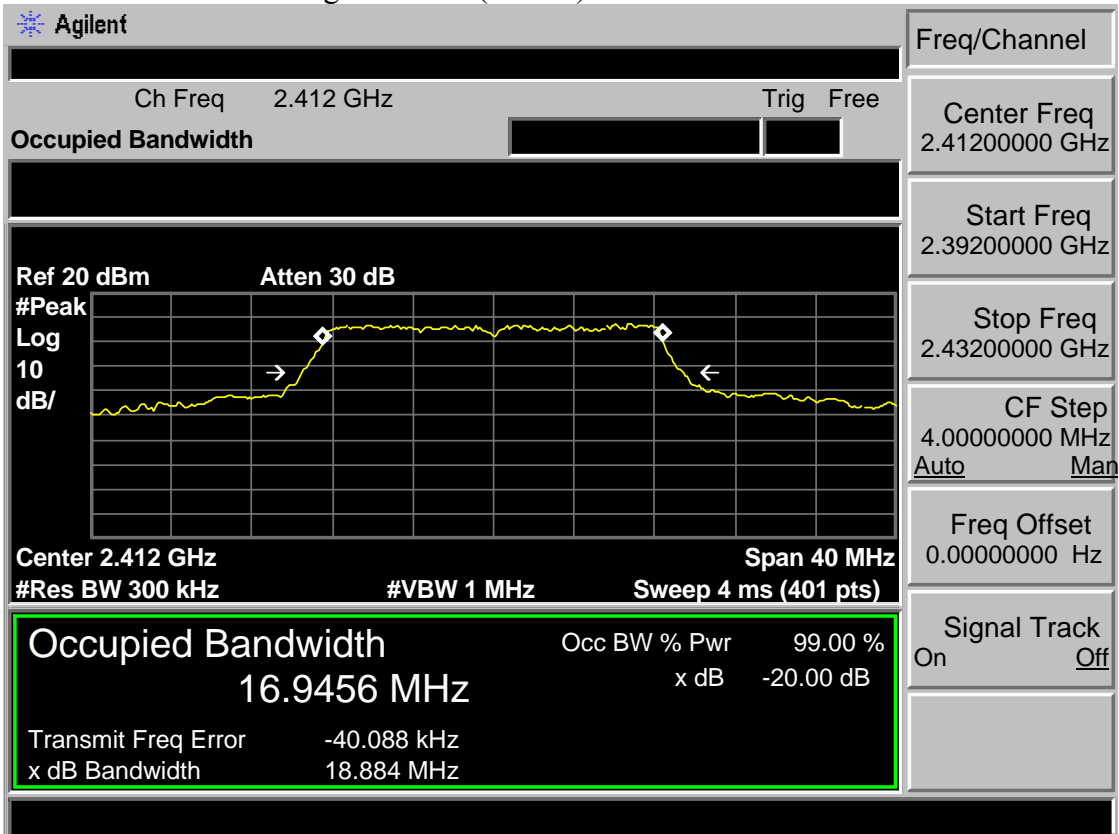
Stop Freq
2.49200000 GHz

CF Step
4.00000000 MHz
Auto Man

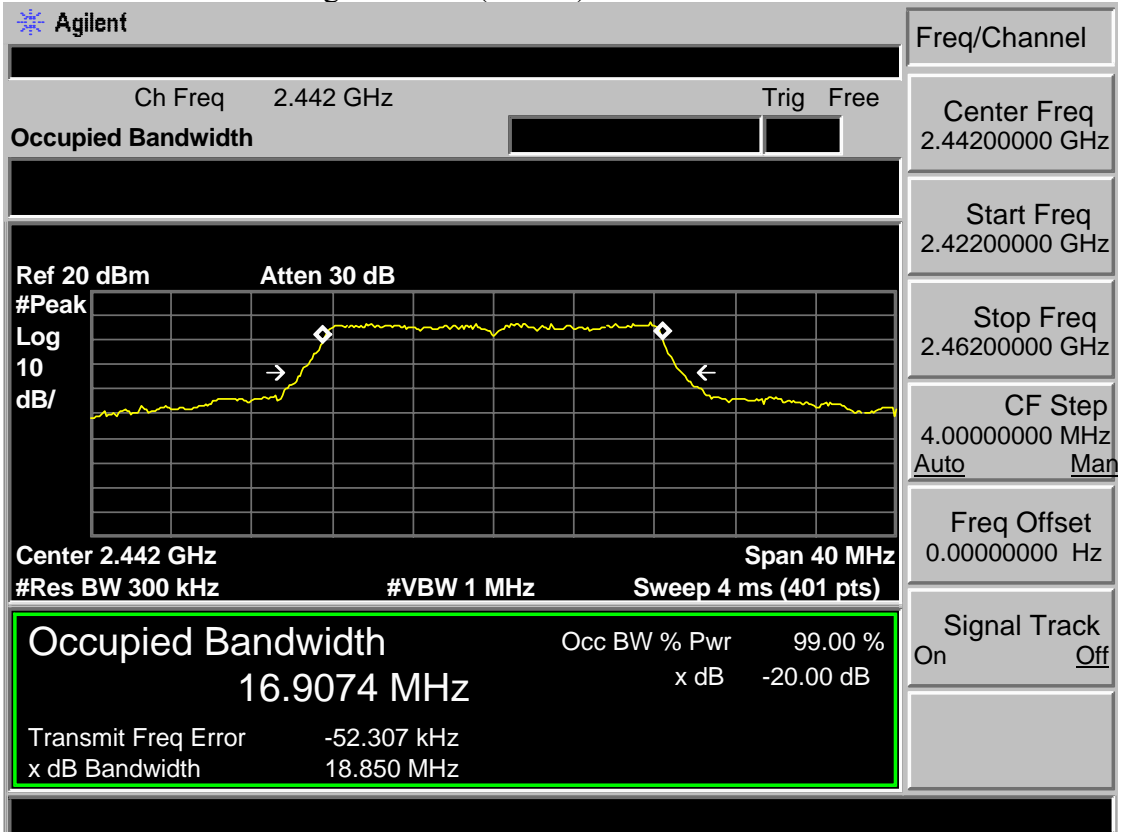
Freq Offset
0.00000000 Hz

Signal Track
On Off

Test Mode: IEEE 802.11g 2412MHz(ANT a)



Test Mode: IEEE 802.11g 2442MHz(ANT a)



Test Mode: IEEE 802.11g 2472MHz(ANT a)

Agilent

Freq/Channel	
Center Freq	2.47200000 GHz
Start Freq	2.45200000 GHz
Stop Freq	2.49200000 GHz
CF Step	4.00000000 MHz
Auto	Man
Freq Offset	0.00000000 Hz
Signal Track	On <u>Off</u>

Ch Freq	2.472 GHz	Trig	Free
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Occupied Bandwidth	
---------------------------	--

Ref 20 dBm

Atten 30 dB

Center 2.472 GHz

Span 40 MHz

#Res BW 300 kHz

#VBW 1 MHz

Sweep 4 ms (401 pts)

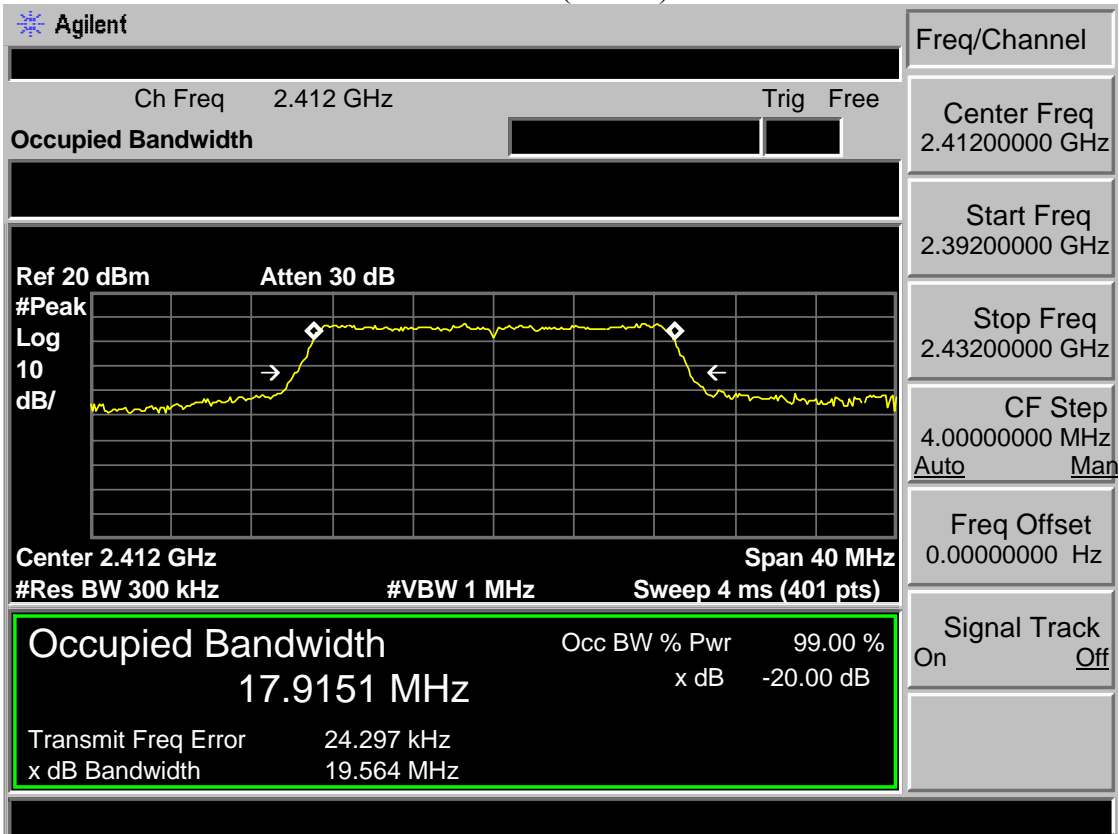
Occupied Bandwidth	Occ BW % Pwr	99.00 %
	x dB	-20.00 dB
Transmit Freq Error	-55.108 kHz	
x dB Bandwidth	18.983 MHz	

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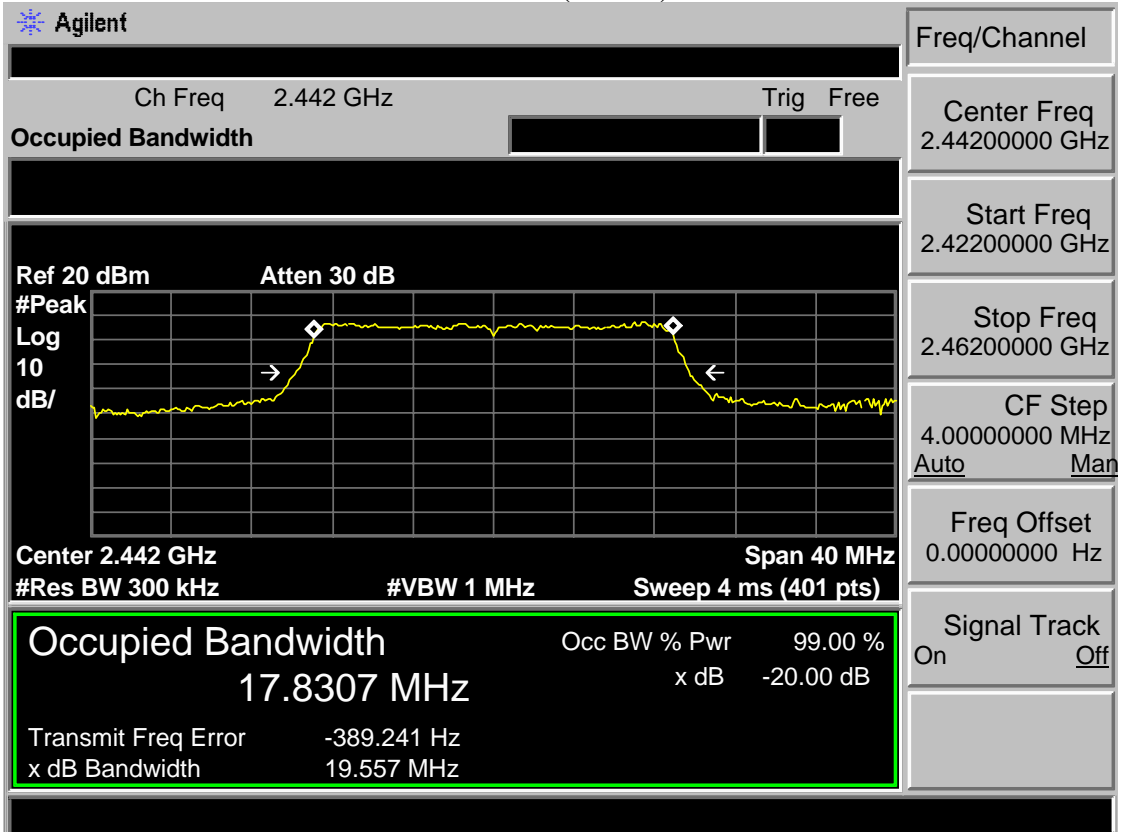
Report No. ESTE-R1507001

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Test Mode: IEEE 802.11n HT20 2412MHz(ANT a)



Test Mode: IEEE 802.11n HT20 2442MHz(ANT a)



Test Mode: IEEE 802.11n HT20 2472MHz(ANT a)

Agilent

Freq/Channel
 Center Freq
2.47200000 GHz
 Start Freq
2.45200000 GHz
 Stop Freq
2.49200000 GHz
 CF Step
4.00000000 MHz
Auto Man
 Freq Offset
0.00000000 Hz
 Signal Track
On Off

Ch Freq 2.472 GHz Trig Free
Occupied Bandwidth

Ref 20 dBm Atten 30 dB

#Peak
Log
10
dB/

Center 2.472 GHz Span 40 MHz
#Res BW 300 kHz #VBW 1 MHz Sweep 4 ms (401 pts)

Occupied Bandwidth	Occ BW % Pwr	99.00 %
17.8002 MHz	x dB	-20.00 dB
Transmit Freq Error	363.209 Hz	
x dB Bandwidth	19.492 MHz	

Test Mode: IEEE 802.11n HT40 2422MHz(ANT a)

Agilent

Freq/Channel
 Center Freq 2.42200000 GHz
 Start Freq 2.38200000 GHz
 Stop Freq 2.46200000 GHz
 CF Step 8.00000000 MHz
 Auto Man
 Freq Offset 0.00000000 Hz
 Signal Track On Off

Ch Freq 2.422 GHz Trig Free

Occupied Bandwidth

Ref 20 dBm Atten 30 dB

Center 2.422 GHz Span 80 MHz
 #Res BW 1 MHz #VBW 3 MHz Sweep 4 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
37.0977 MHz x dB -20.00 dB

Transmit Freq Error 44.011 kHz
 x dB Bandwidth 40.668 MHz

Test Mode: IEEE 802.11n HT40 2442MHz(ANT a)

Agilent

Freq/Channel
 Center Freq 2.44200000 GHz
 Start Freq 2.40200000 GHz
 Stop Freq 2.48200000 GHz
 CF Step 8.00000000 MHz
 Auto Man
 Freq Offset 0.00000000 Hz
 Signal Track On Off

Ch Freq 2.442 GHz Trig Free

Occupied Bandwidth

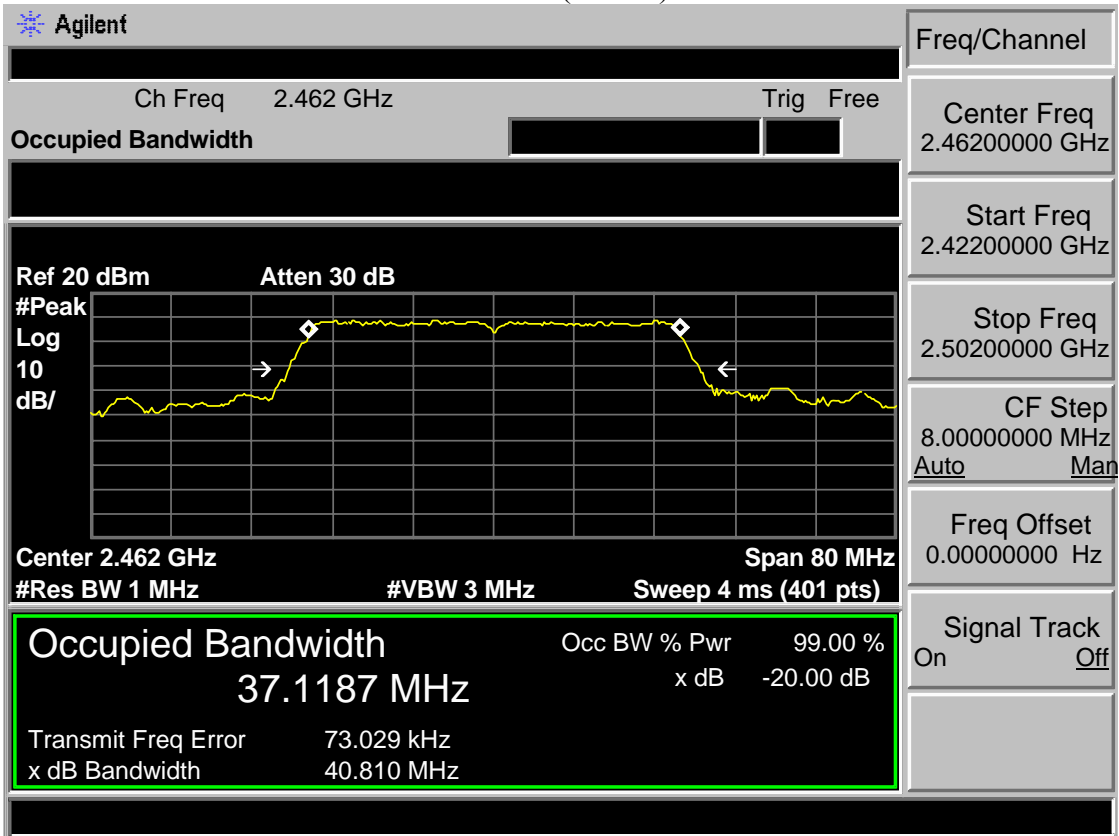
Ref 20 dBm Atten 30 dB

Center 2.442 GHz Span 80 MHz
 #Res BW 1 MHz #VBW 3 MHz Sweep 4 ms (401 pts)

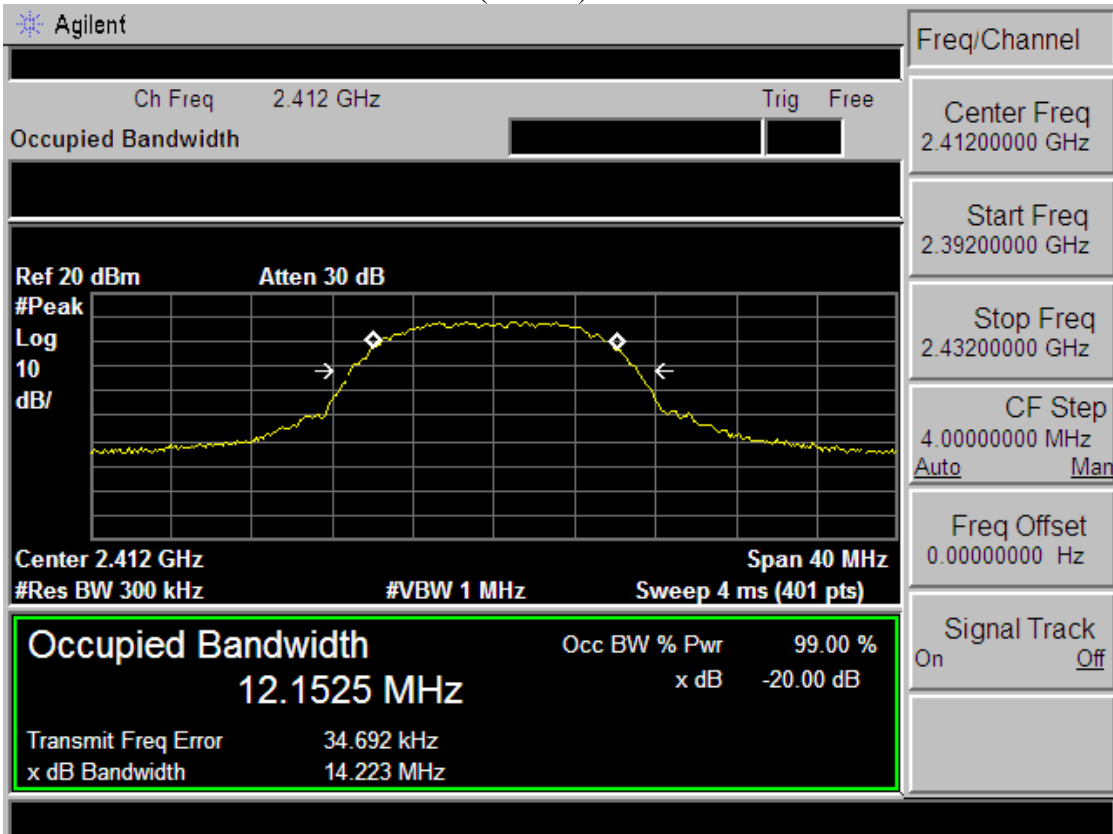
Occupied Bandwidth Occ BW % Pwr 99.00 %
37.1100 MHz x dB -20.00 dB

Transmit Freq Error 77.459 kHz
 x dB Bandwidth 40.624 MHz

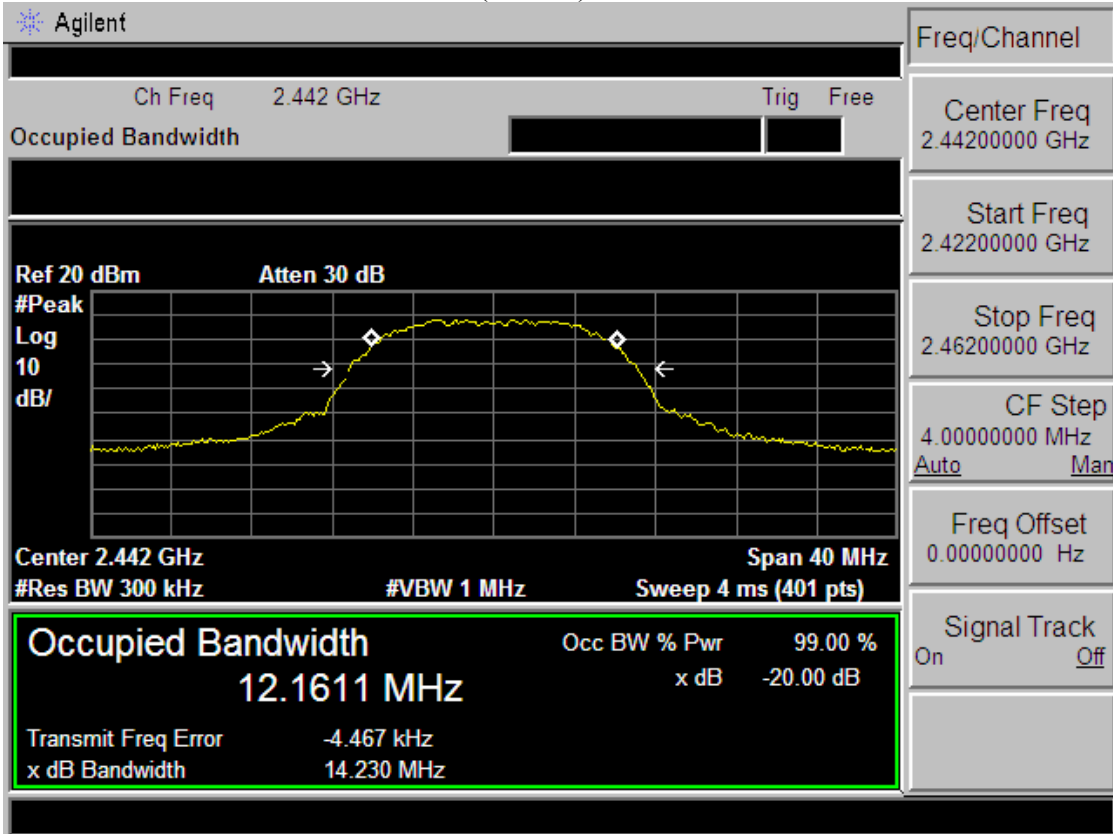
Test Mode: IEEE 802.11n HT40 2462MHz(ANT a)



Test Mode: IEEE 802.11b 2412MHz(ANT b)



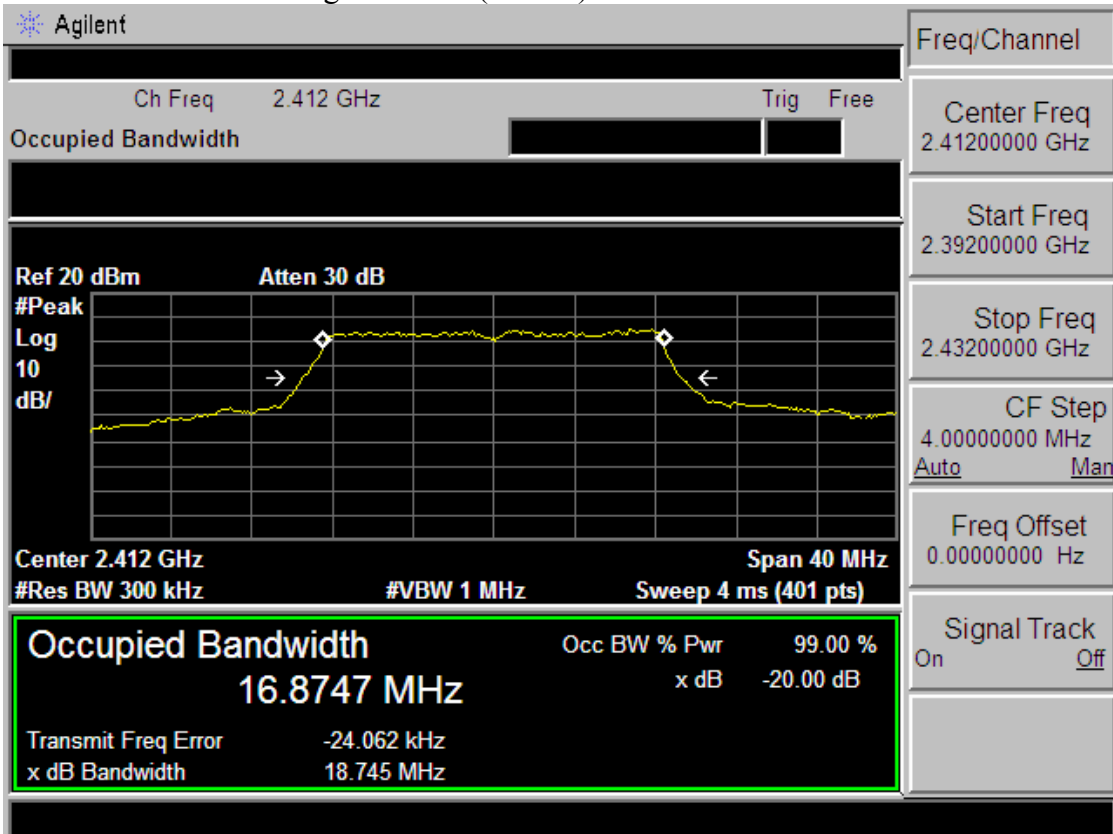
Test Mode: IEEE 802.11b 2442MHz(ANT b)



Test Mode: IEEE 802.11b 2472MHz(ANT b)



Test Mode: IEEE 802.11g 2412MHz(ANT b)



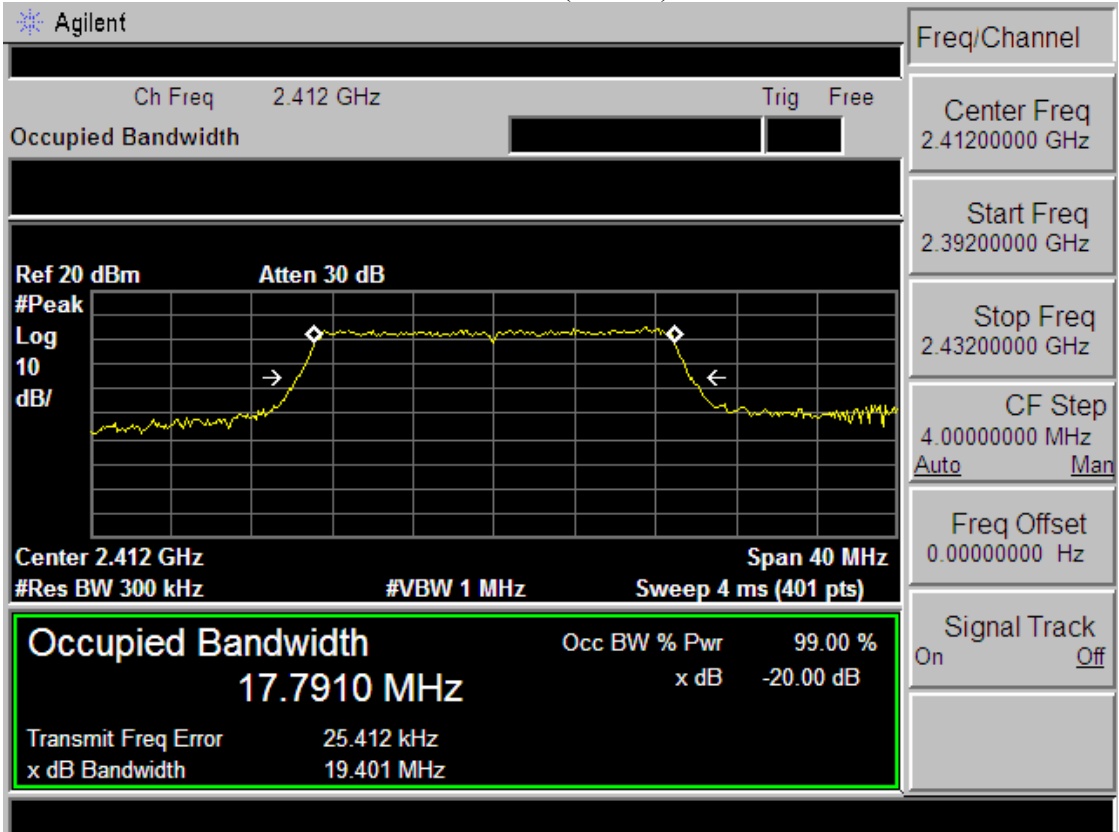
Test Mode: IEEE 802.11g 2442MHz(ANT b)



Test Mode: IEEE 802.11g 2472MHz(ANT b)



Test Mode: IEEE 802.11n HT20 2412MHz(ANT b)



Test Mode: IEEE 802.11n HT20 2442MHz(ANT b)

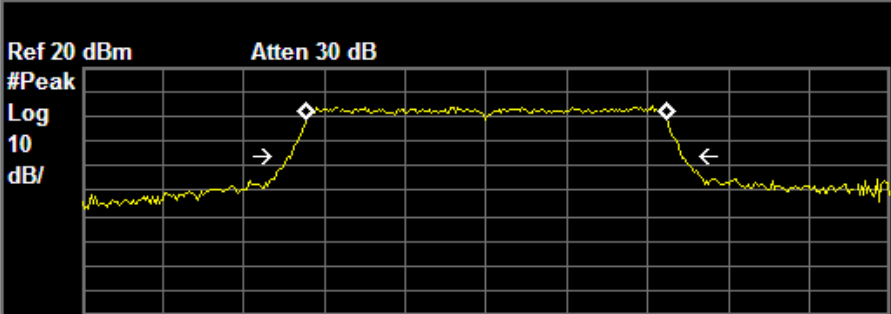


Test Mode: IEEE 802.11n HT20 2472MHz(ANT b)

Agilent

Ch Freq 2.472 GHz Trig Free

Occupied Bandwidth



Center 2.472 GHz Span 40 MHz
#Res BW 300 kHz #VBW 1 MHz Sweep 4 ms (401 pts)

Occupied Bandwidth		Occ BW % Pwr	99.00 %
17.8187 MHz		x dB	-20.00 dB
Transmit Freq Error	24.017 kHz		
x dB Bandwidth	19.474 MHz		

Freq/Channel

Center Freq
2.47200000 GHz

Start Freq
2.45200000 GHz

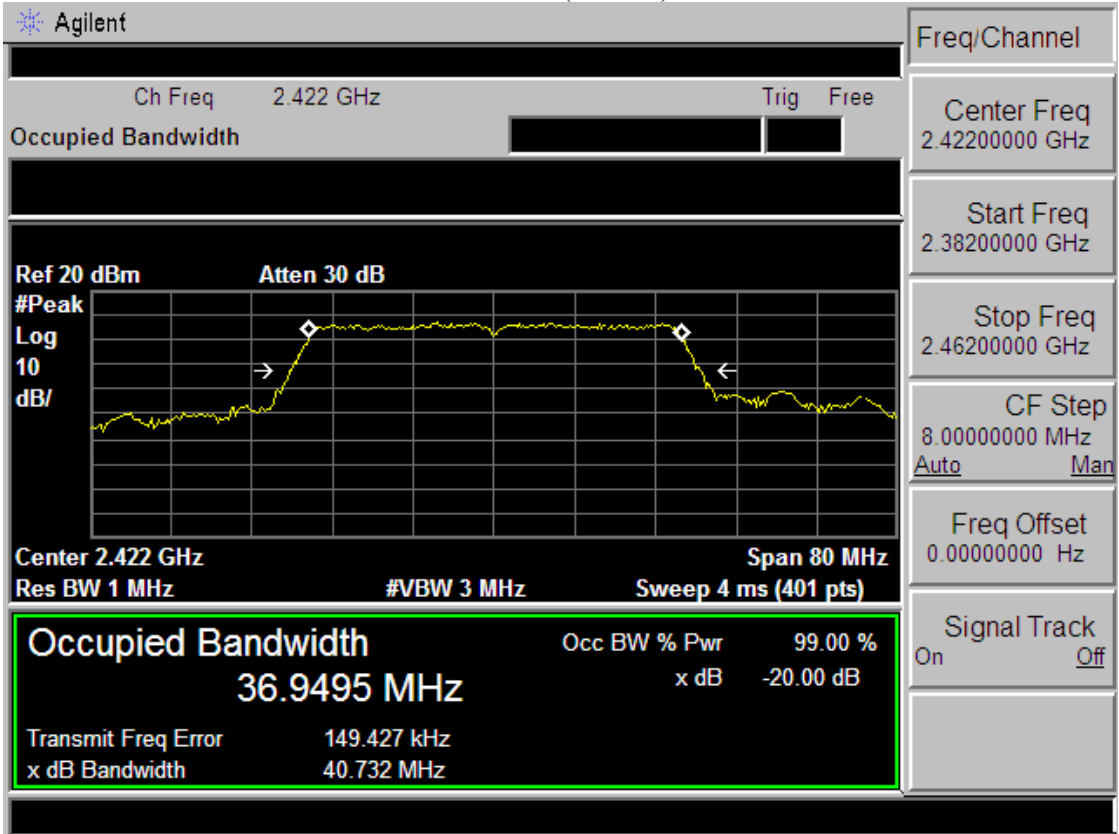
Stop Freq
2.49200000 GHz

CF Step
4.00000000 MHz
Auto Man

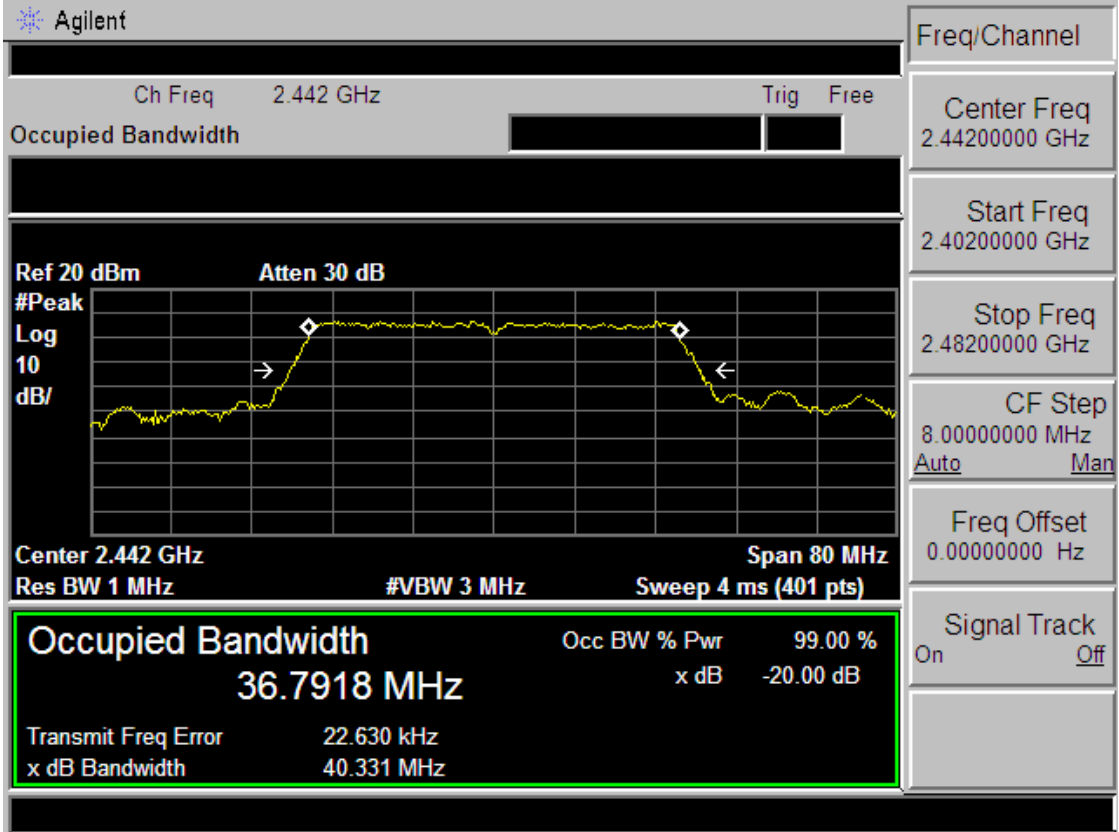
Freq Offset
0.00000000 Hz

Signal Track
On Off

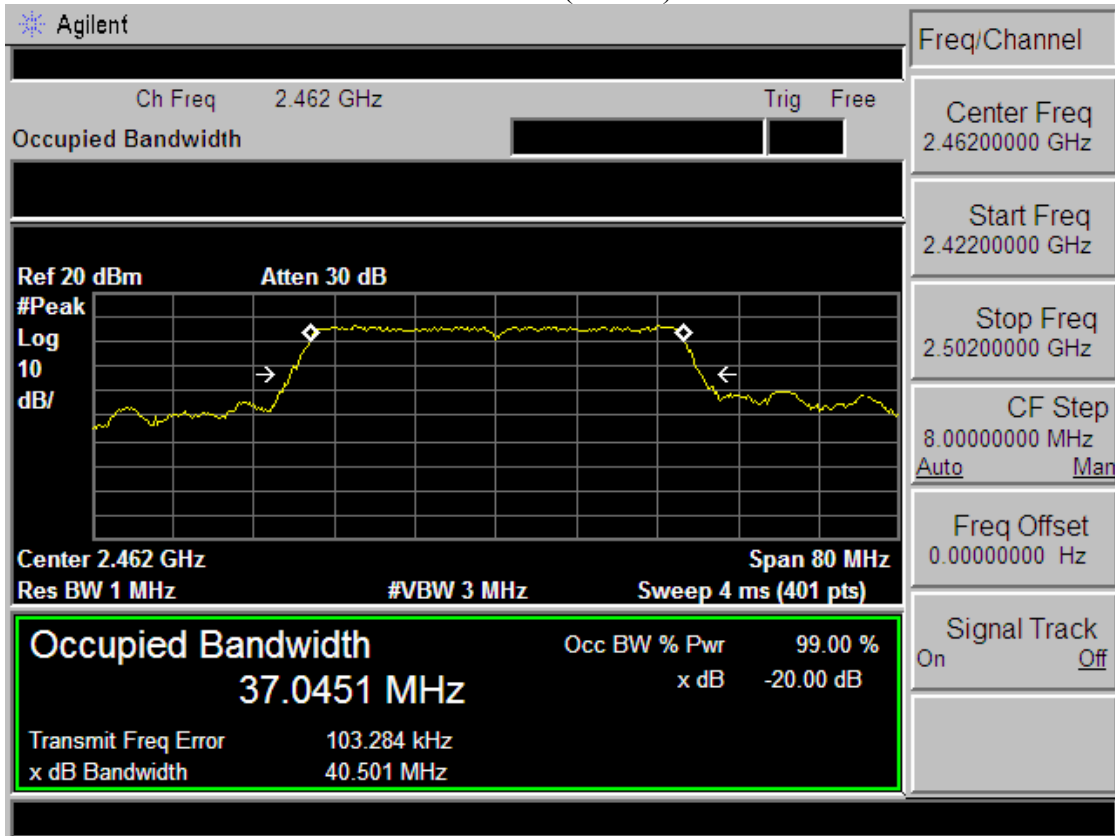
Test Mode: IEEE 802.11n HT40 2422MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2442MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2462MHz(ANT b)



7 OUTPUT POWER TEST

7.1 Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

7.2 Test Procedure

7.3 Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device.
- 2, Follow the test procedure as described in KDB 558074
 - (1)Set span to at least 1.5 times the OBW.
 - (2)Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
 - (3)Set VBW $\geq 3 \times$ RBW.
 - (4)Number of points in sweep $\geq 2 \times$ span / RBW. (This gives bin-to-bin spacing \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
 - (4)Sweep time = auto.
 - (5)Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
 - (6)If transmit duty cycle $< 98 \%$, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq 98 \%$, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".
 - (7)Trace average at least 100 traces in power averaging (i.e., RMS) mode.
 - (8)Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

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

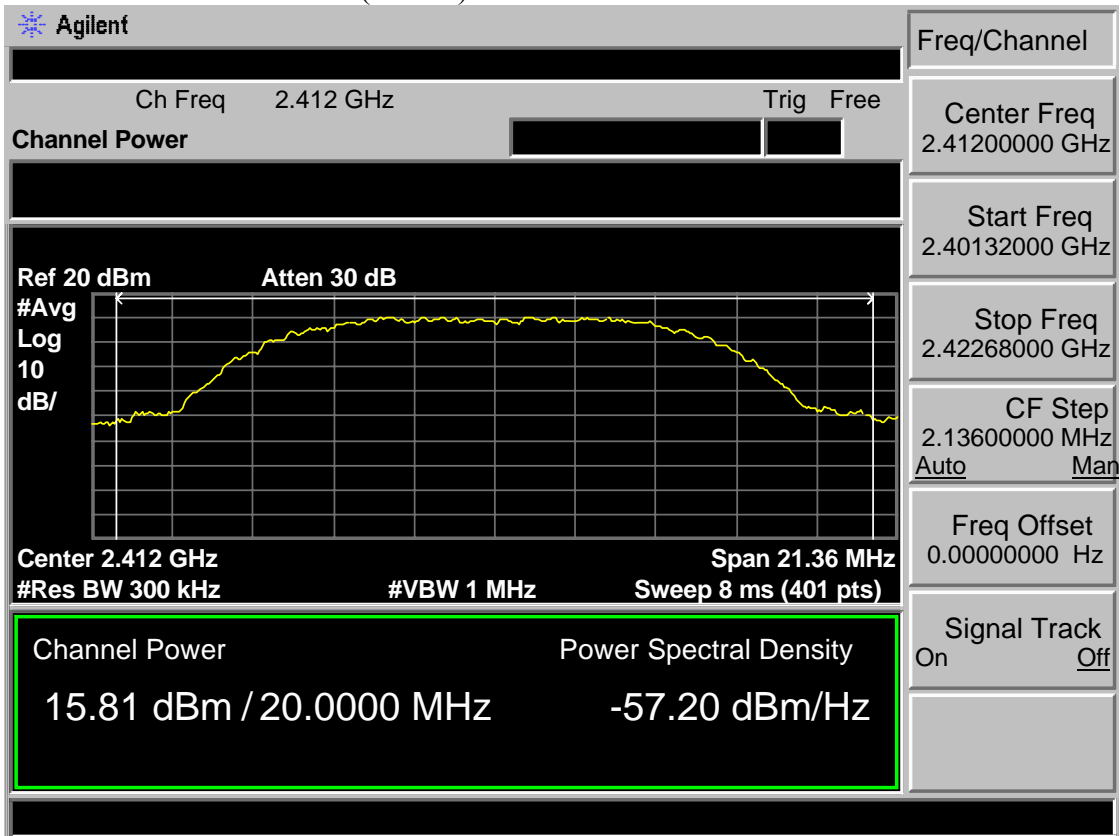
7.4 Test Result

EUT: LED TV			
M/N: WD65NC4190			
Test date: 2015-07-01		Tested by: Tony.Tang	Test site: RF Site
Pass			
Test Mode	CH	Conducted Power (dBm)	Limit (dBm)
IEEE 802.11 b (ANT a)	CH1	15.81	30
	CH7	15.42	30
	CH13	15.50	30
IEEE 802.11 g (ANT a)	CH1	11.90	30
	CH7	10.36	30
	CH13	10.30	30
IEEE 802.11 b (ANT b)	CH1	13.72	30
	CH7	13.85	30
	CH13	13.16	30
IEEE 802.11 g (ANT b)	CH1	8.81	30
	CH7	9.12	30
	CH13	8.46	30
Conclusion : PASS			

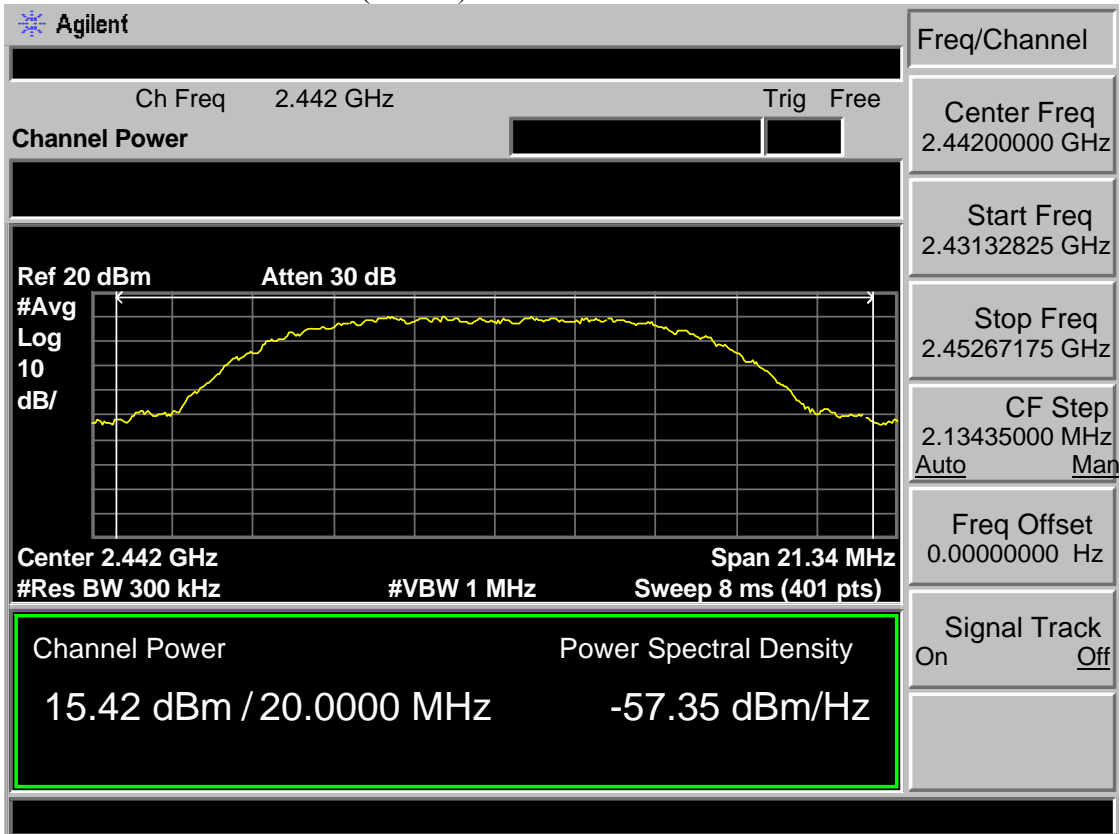
EUT:LED TV						
M/N: WD65NC4190						
Test Date:2015-07-01				Tested by: Tony		
Test mode	CH			Conducted Power (dBm)	Limit (dBm)	Result
		ANT a	ANT b			
IEEE 802.11n HT20	CH1	11.11	8.63	13.05	30	Pass
	CH7	10.85	8.83	12.96		Pass
	CH13	10.38	8.76	12.65		Pass
IEEE 802.11n HT40	CH1	8.88	6.71	10.94		Pass
	CH5	7.73	6.43	10.14		Pass
	CH9	7.78	6.60	10.24		Pass

7.5 Test Data

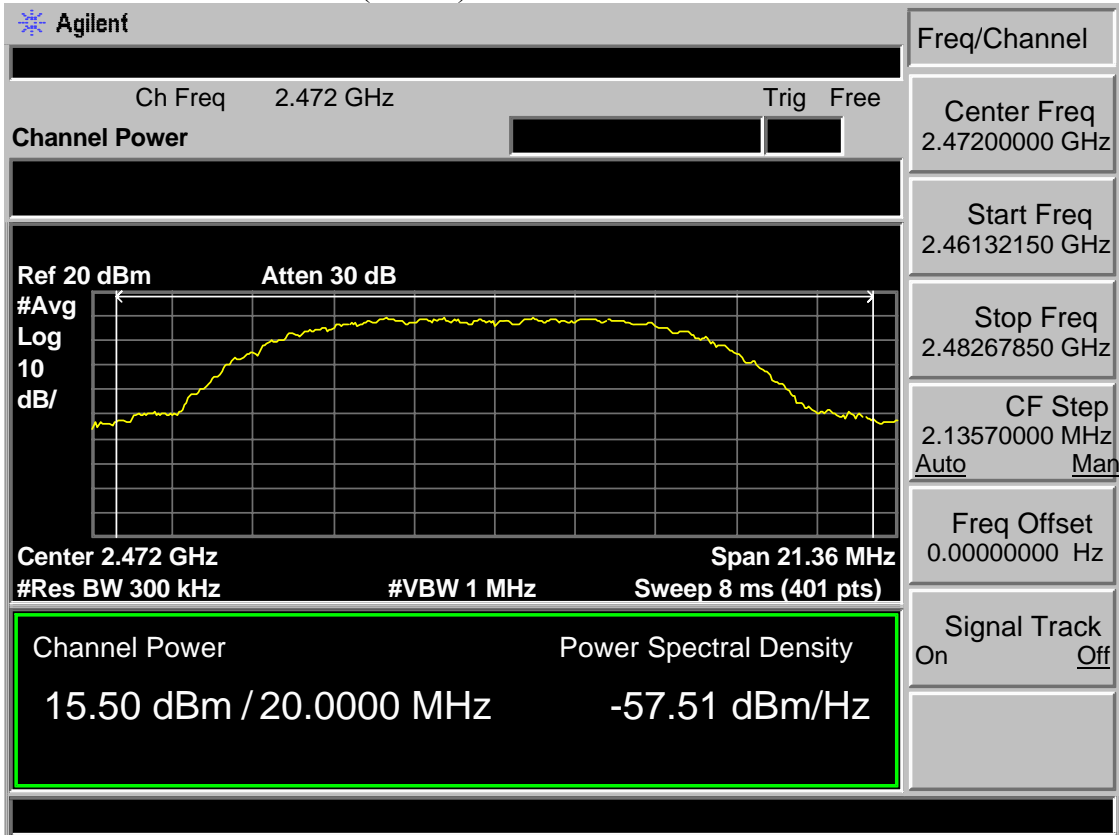
Test Mode: IEEE 802.11 b 2412MHz(ANT a)



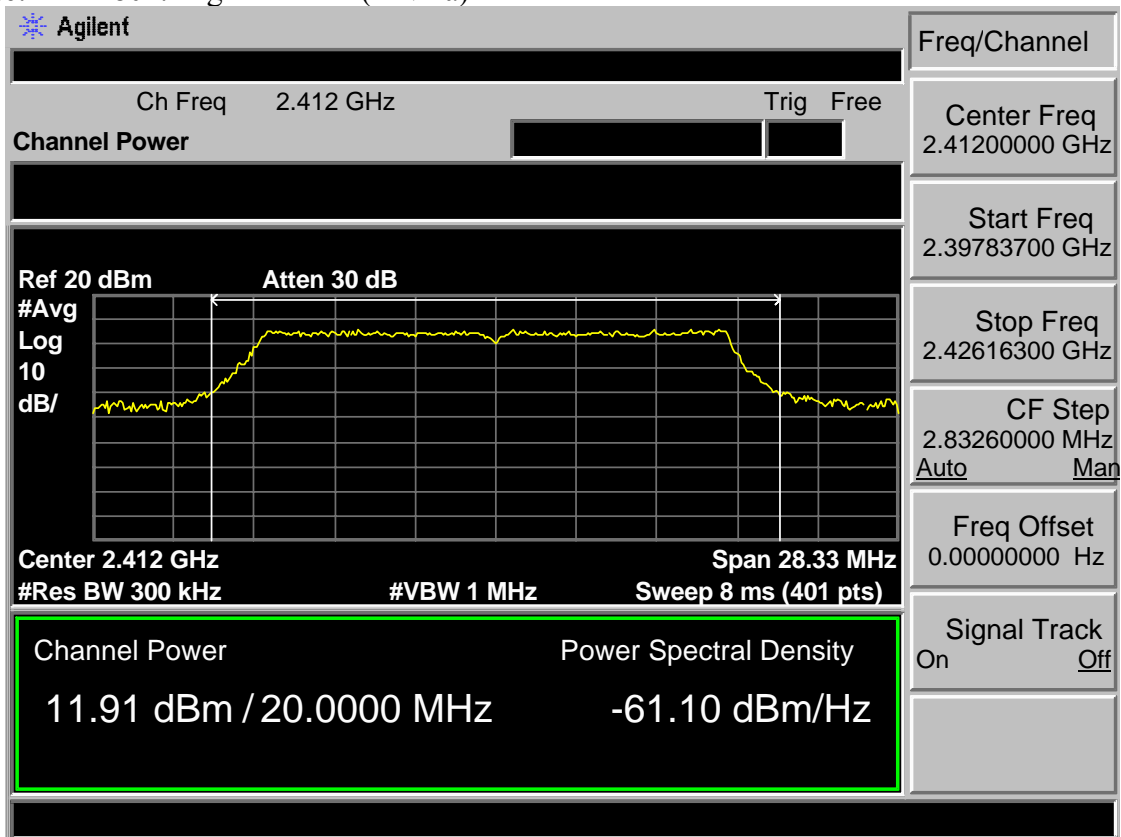
Test Mode: IEEE 802.11 b 2442MHz(ANT a)



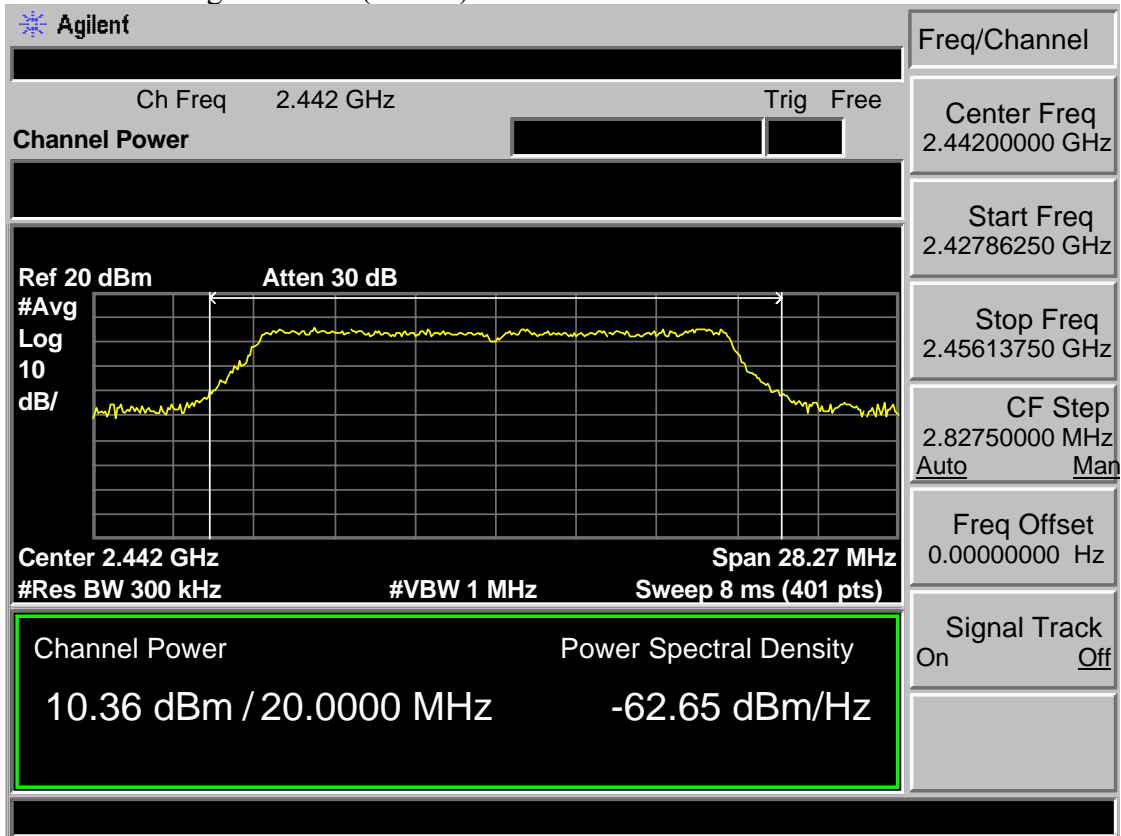
Test Mode: IEEE 802.11 b 2472MHz(ANT a)



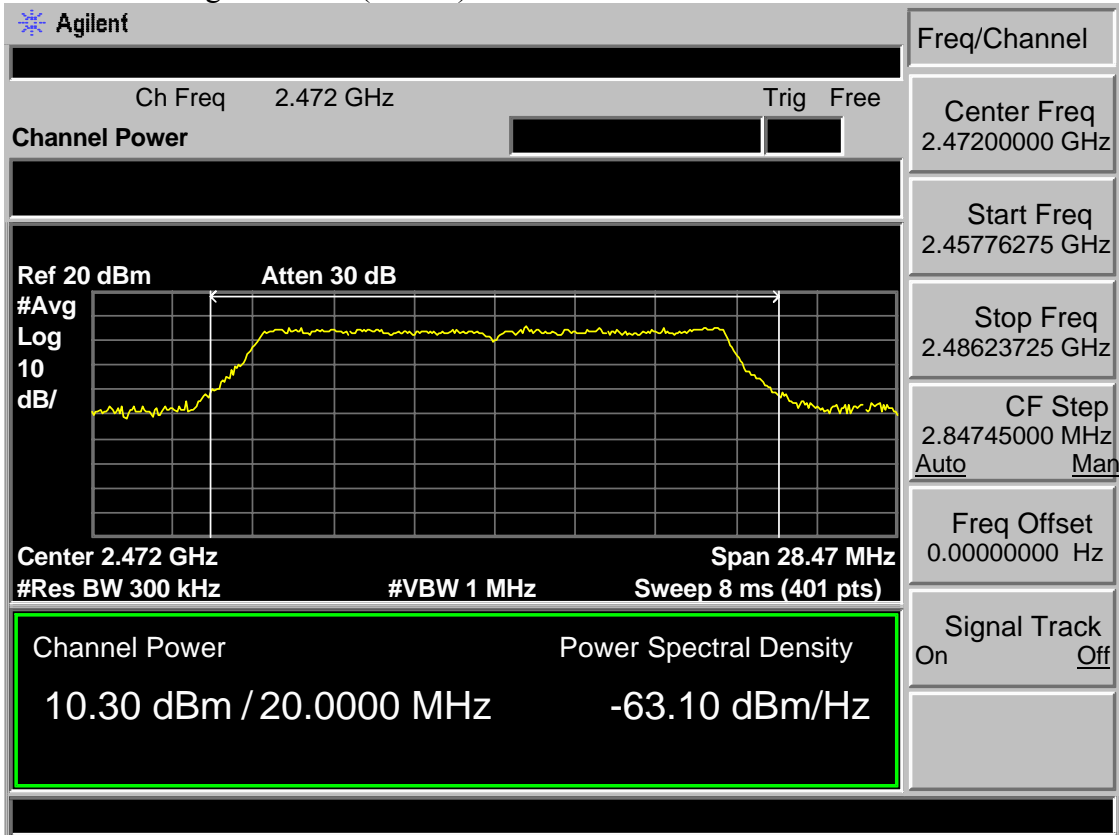
Test Mode: IEEE 802.11 g 2412MHz(ANT a)



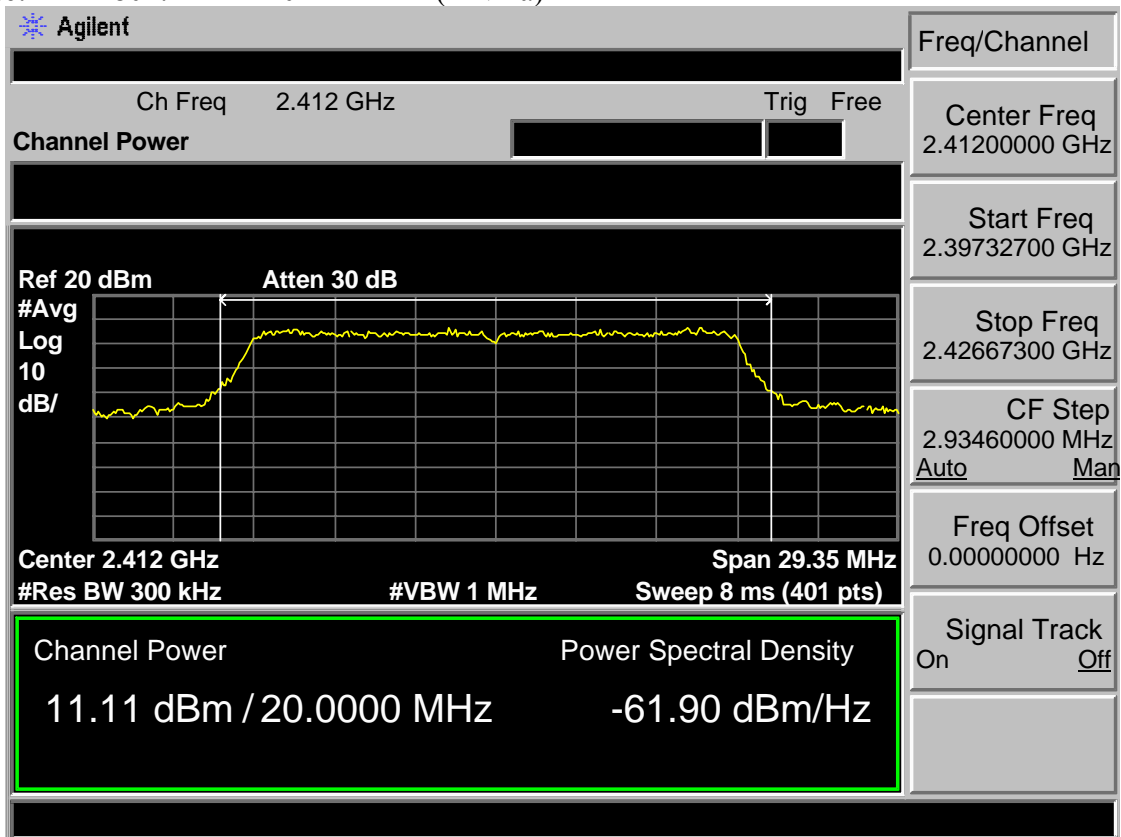
Test Mode: IEEE 802.11 g 2442MHz(ANT a)



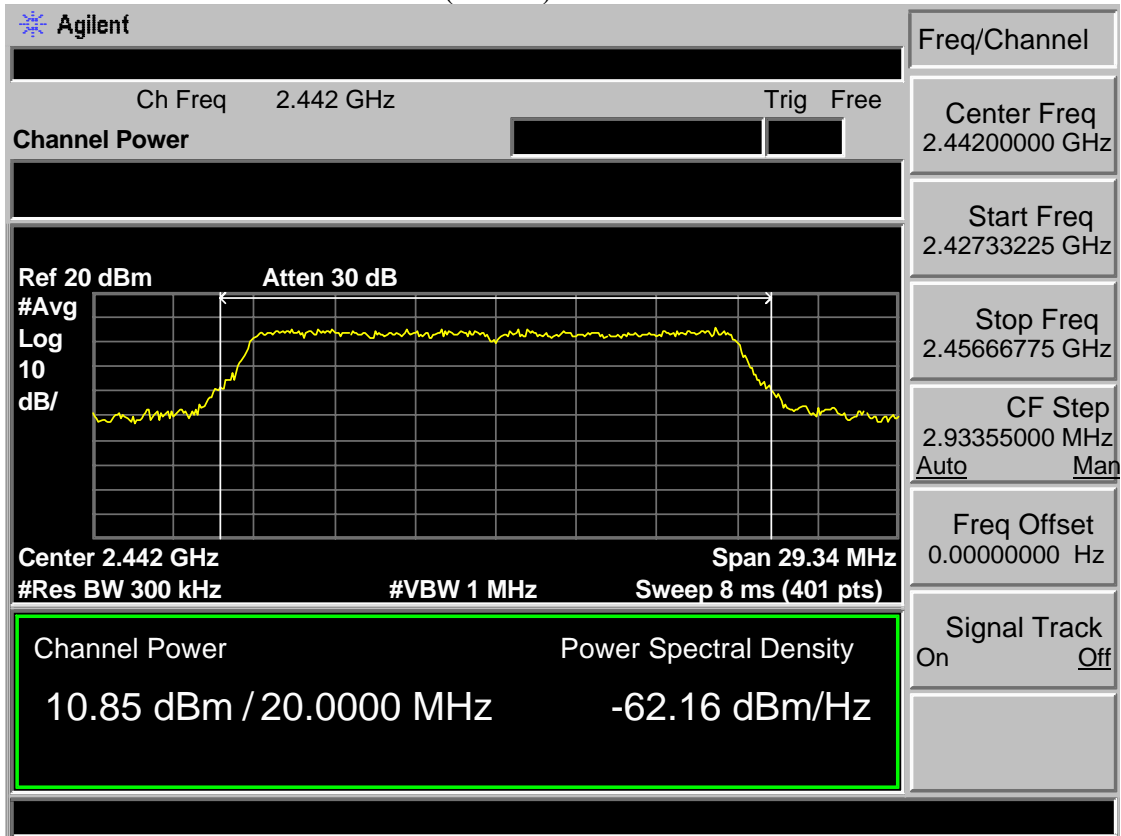
Test Mode: IEEE 802.11 g 2472MHz(ANT a)



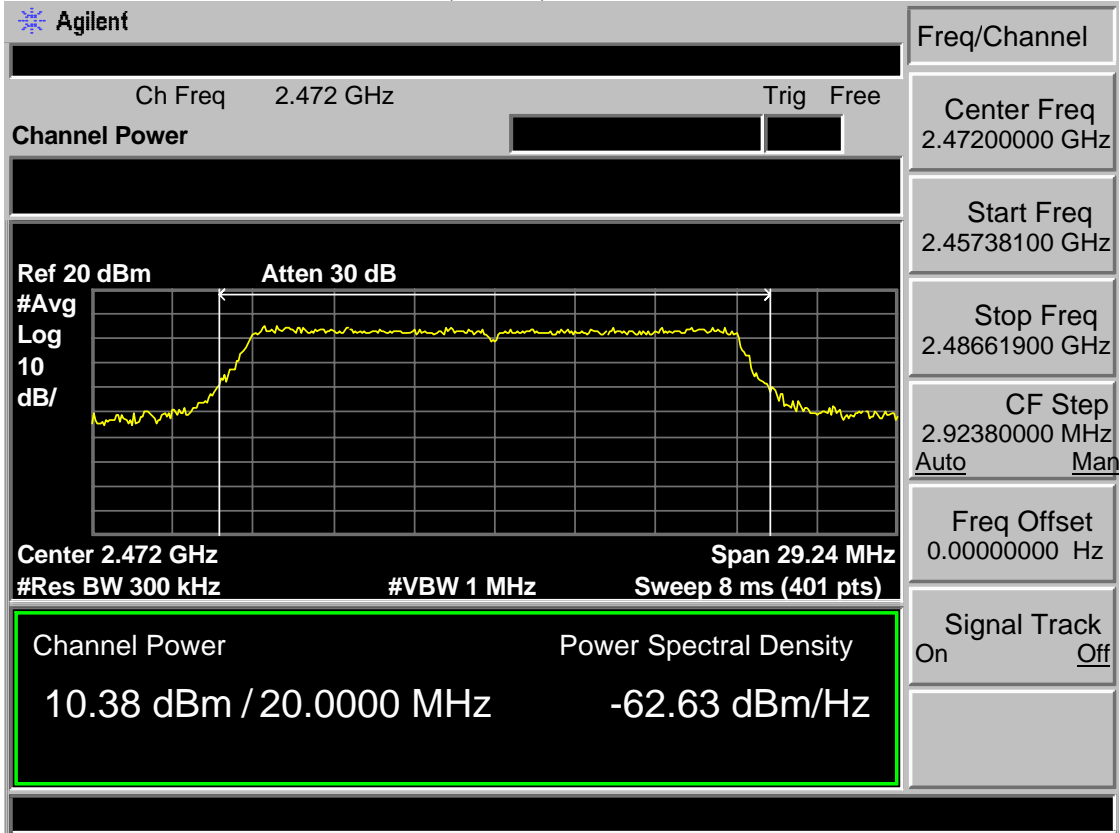
Test Mode: IEEE 802.11n HT20 2412MHz(ANT a)



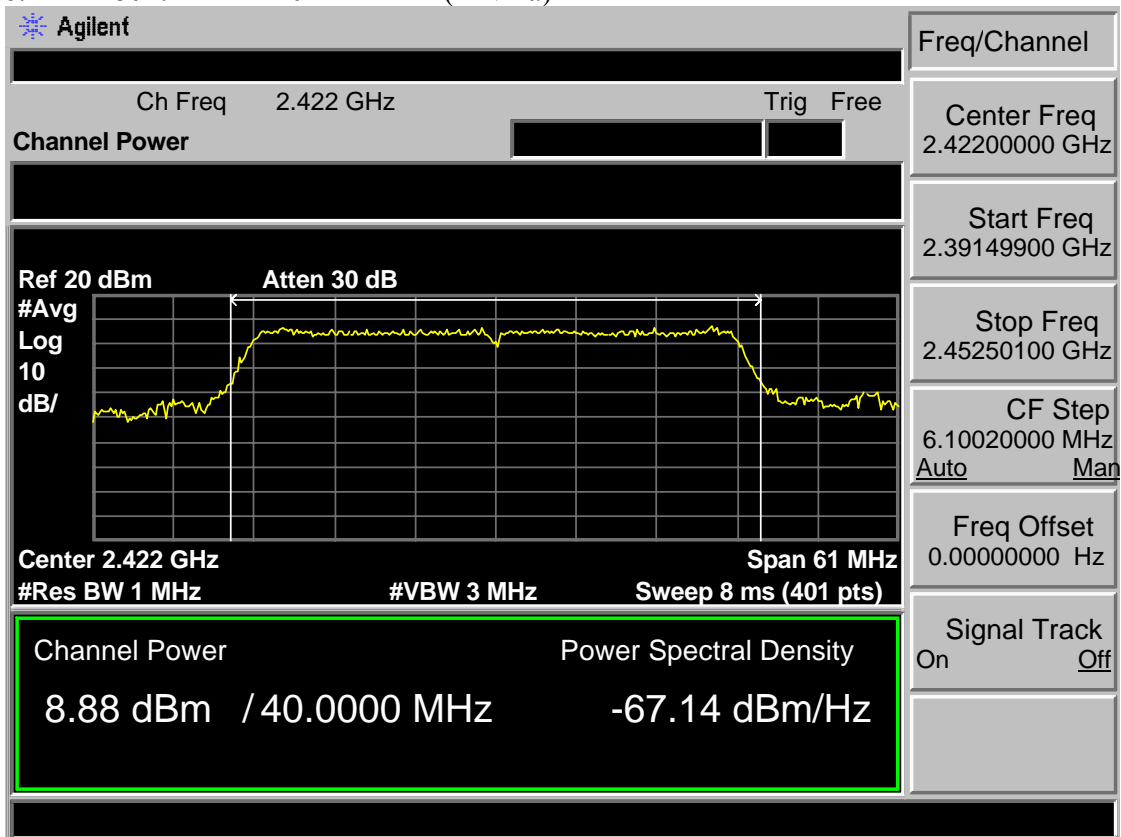
Test Mode: IEEE 802.11 n HT20 2442MHz(ANT a)



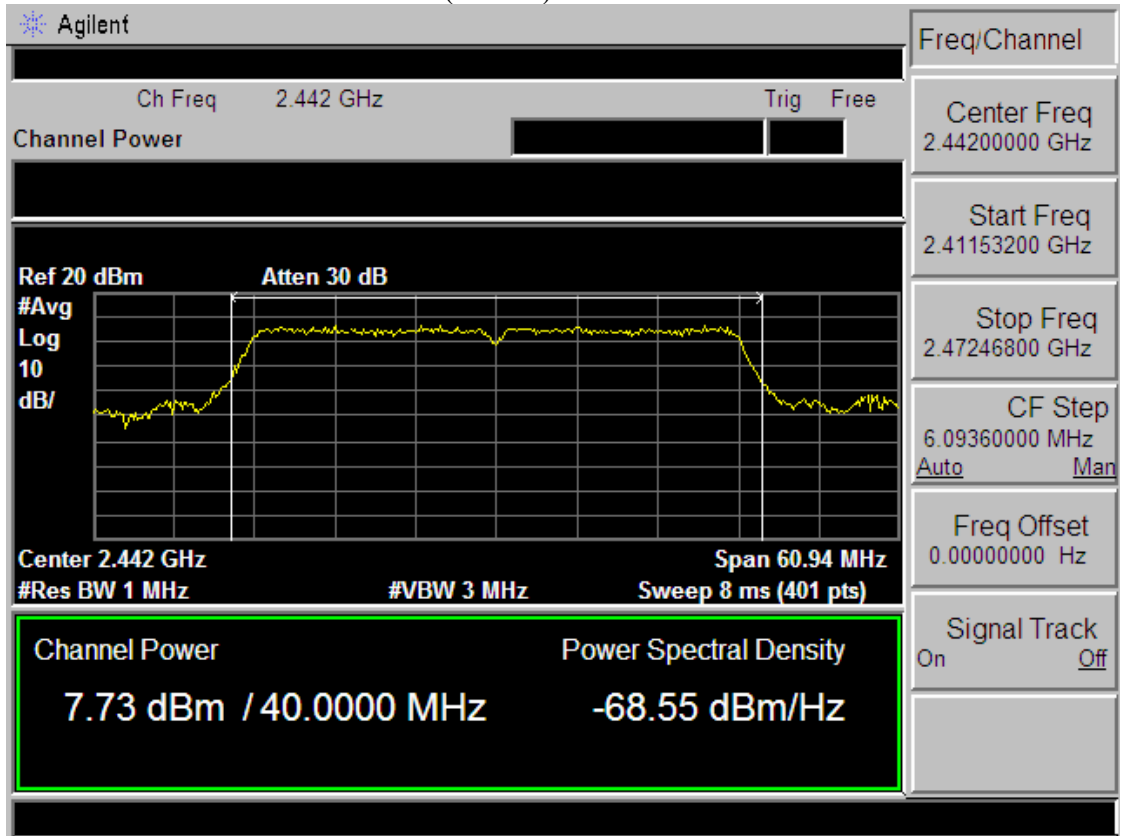
Test Mode: IEEE 802.11 n HT20 2472MHz(ANT a)



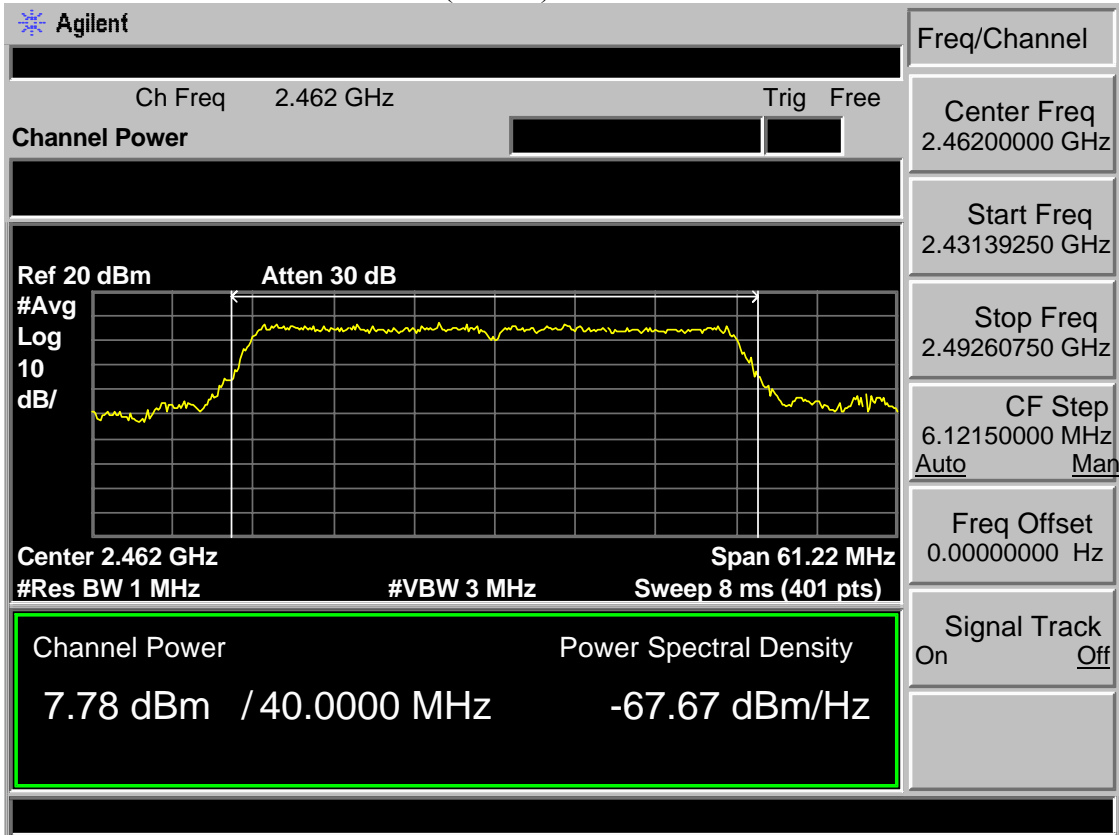
Test Mode: IEEE 802.11 n HT40 2422MHz(ANT a)



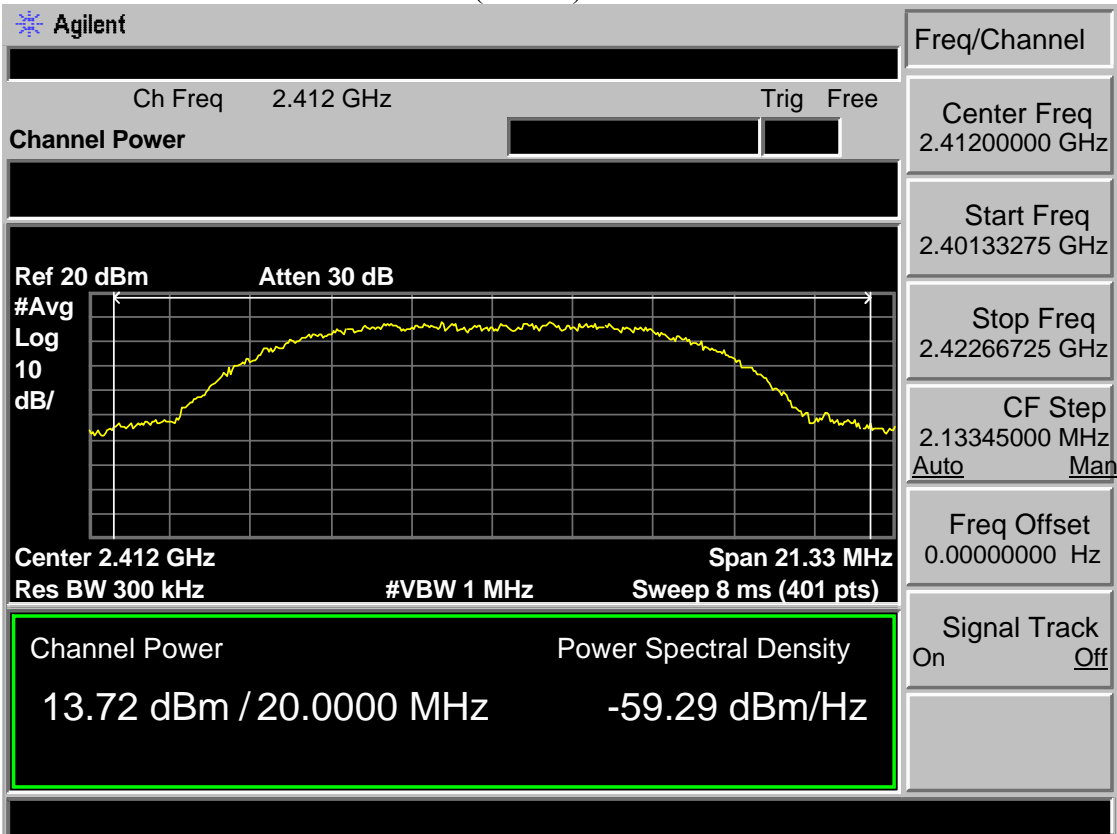
Test Mode: IEEE 802.11 n HT40 2442MHz(ANT a)



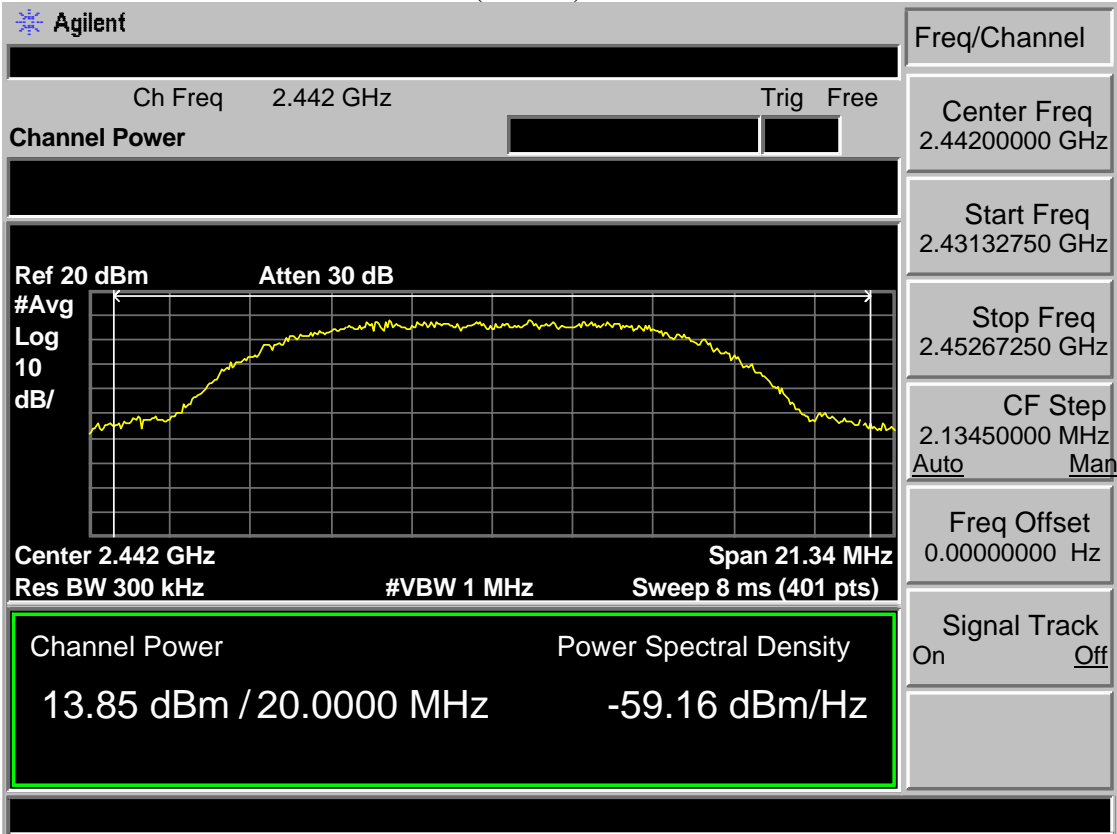
Test Mode: IEEE 802.11 n HT40 2462MHz(ANT a)



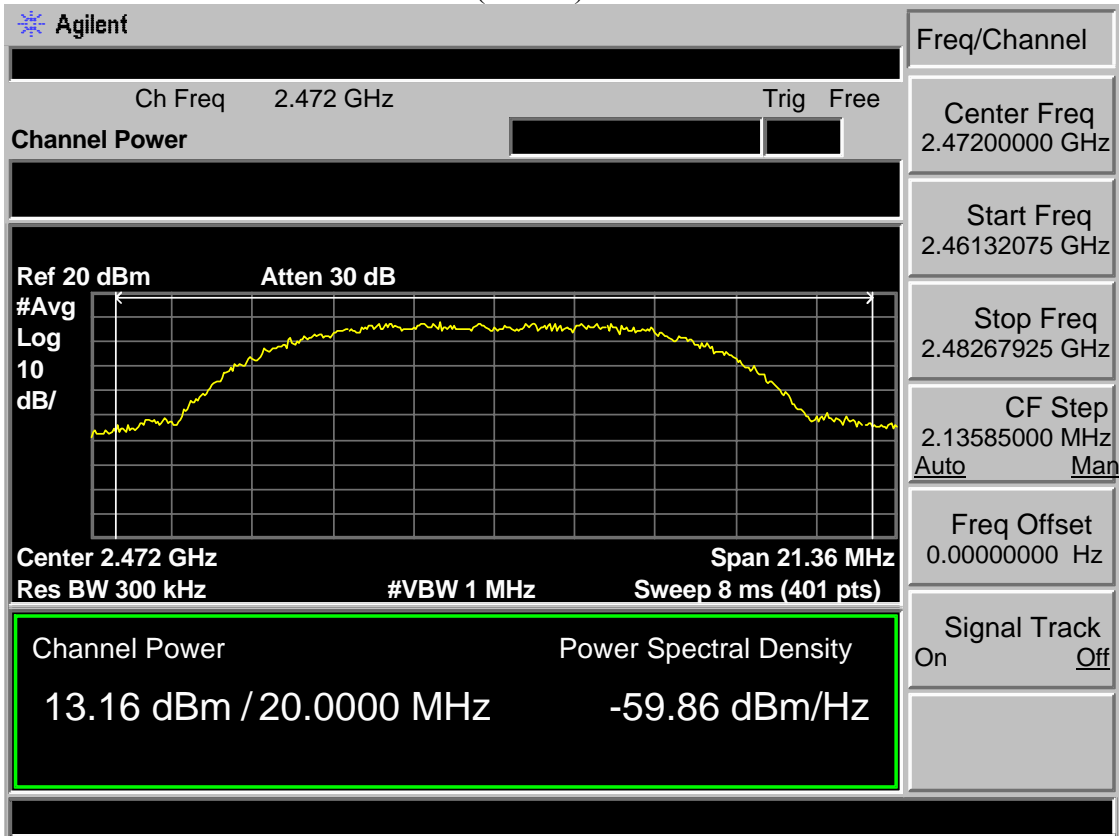
Test Mode: IEEE 802.11b 2412MHz(ANT b)



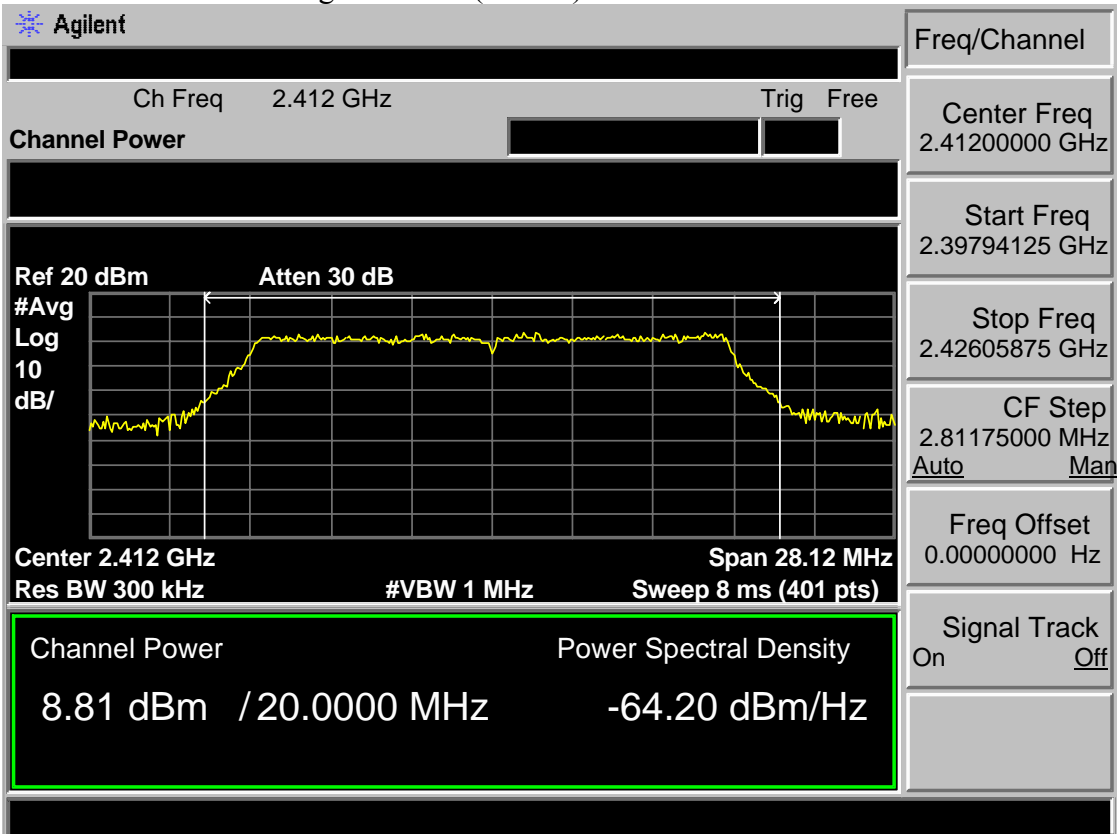
Test Mode: IEEE 802.11b 2442MHz(ANT b)



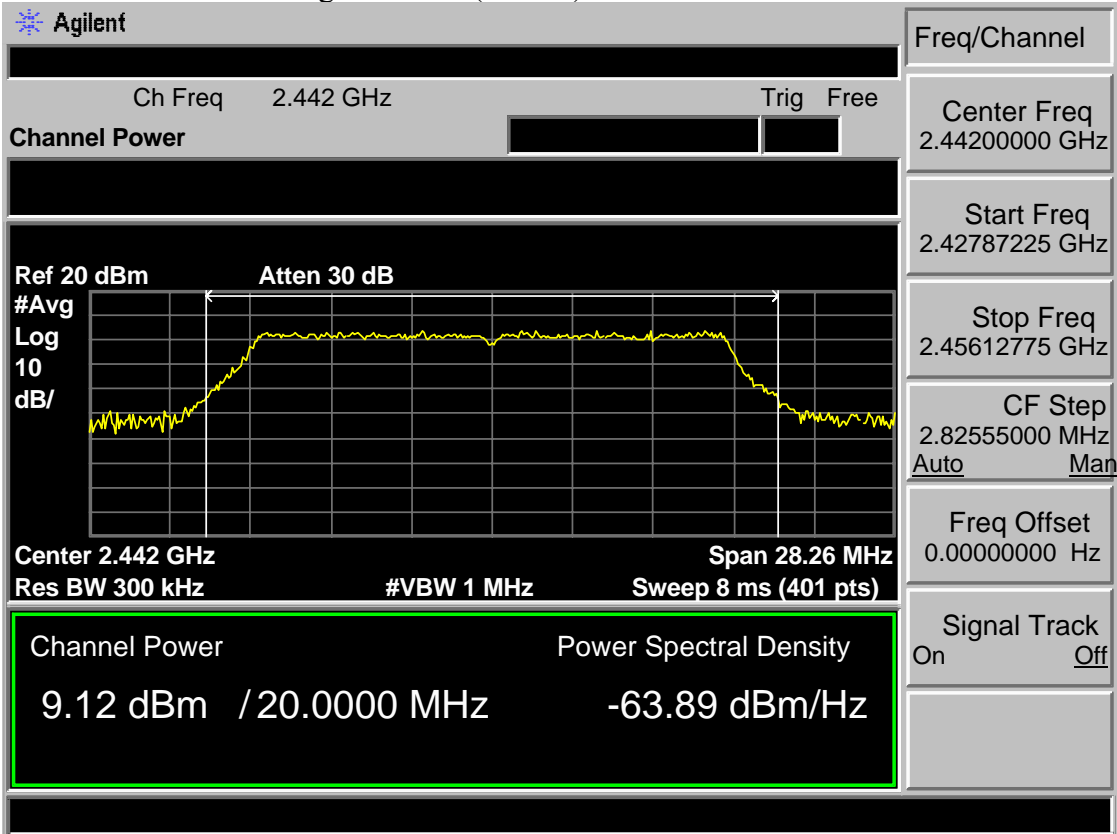
Test Mode: IEEE 802.11b 2472MHz(ANT b)



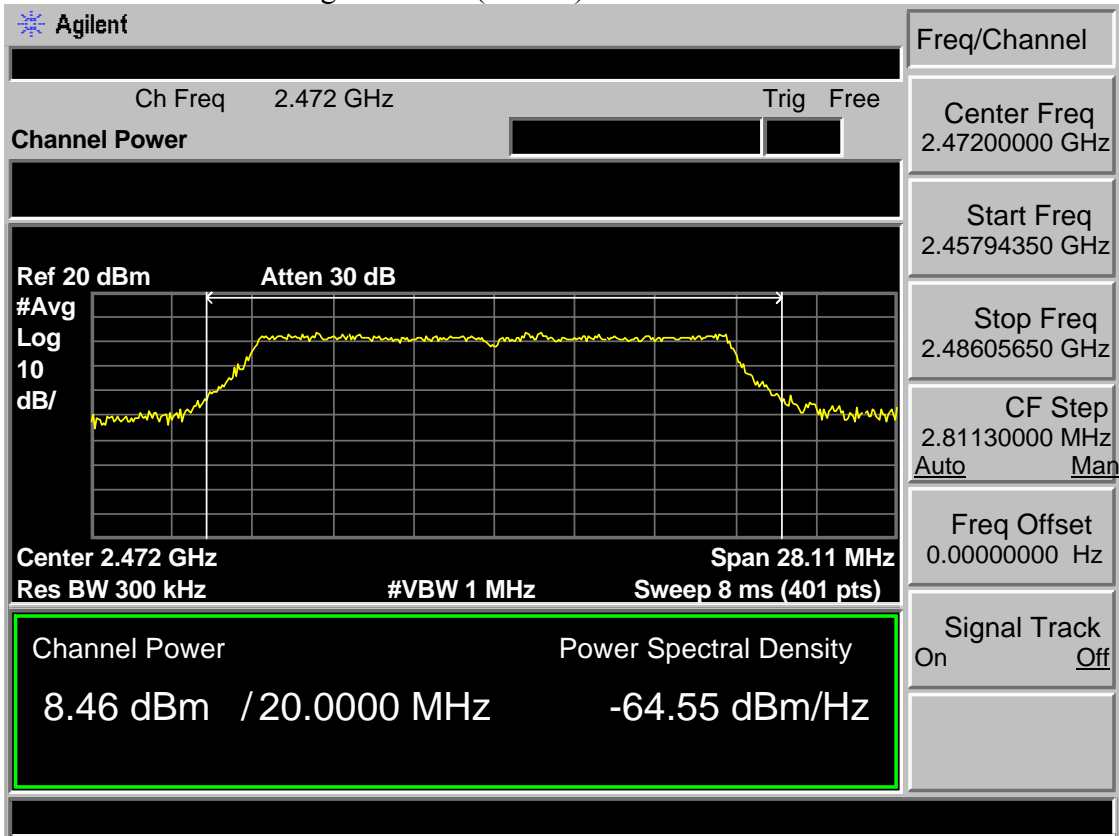
Test Mode: IEEE 802.11g 2412MHz(ANT b)



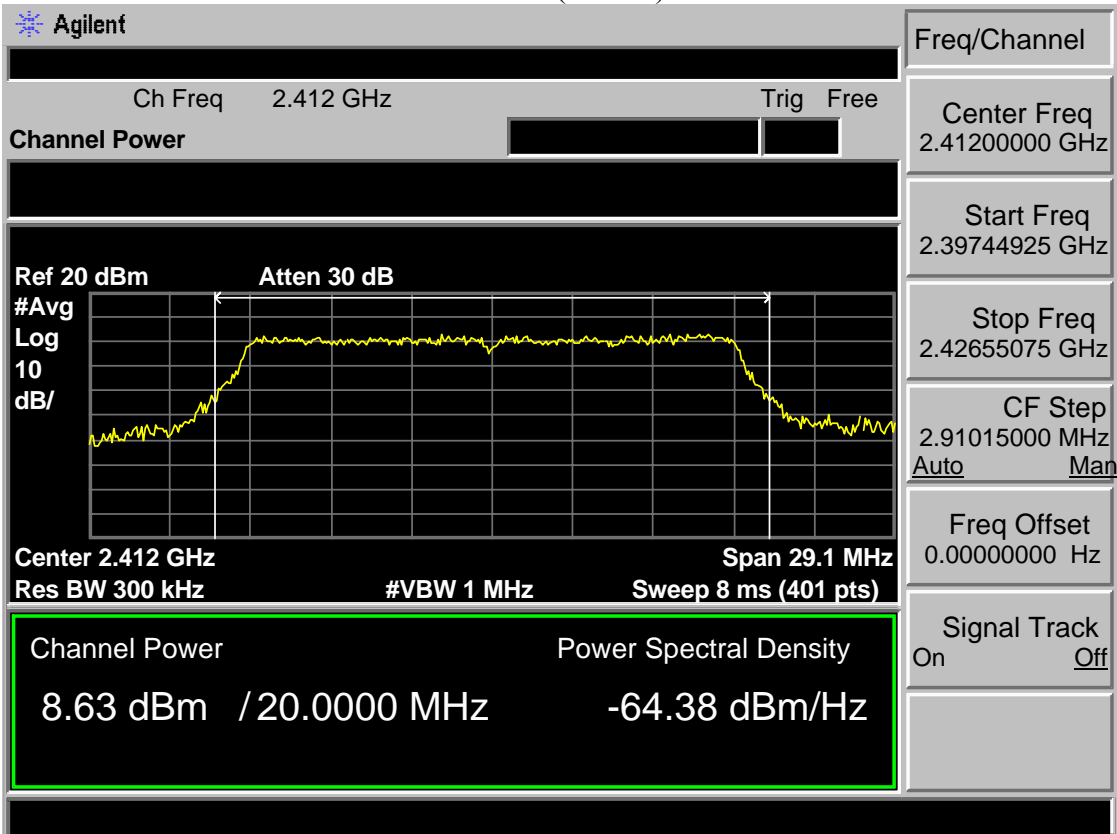
Test Mode: IEEE 802.11g 2442MHz(ANT b)



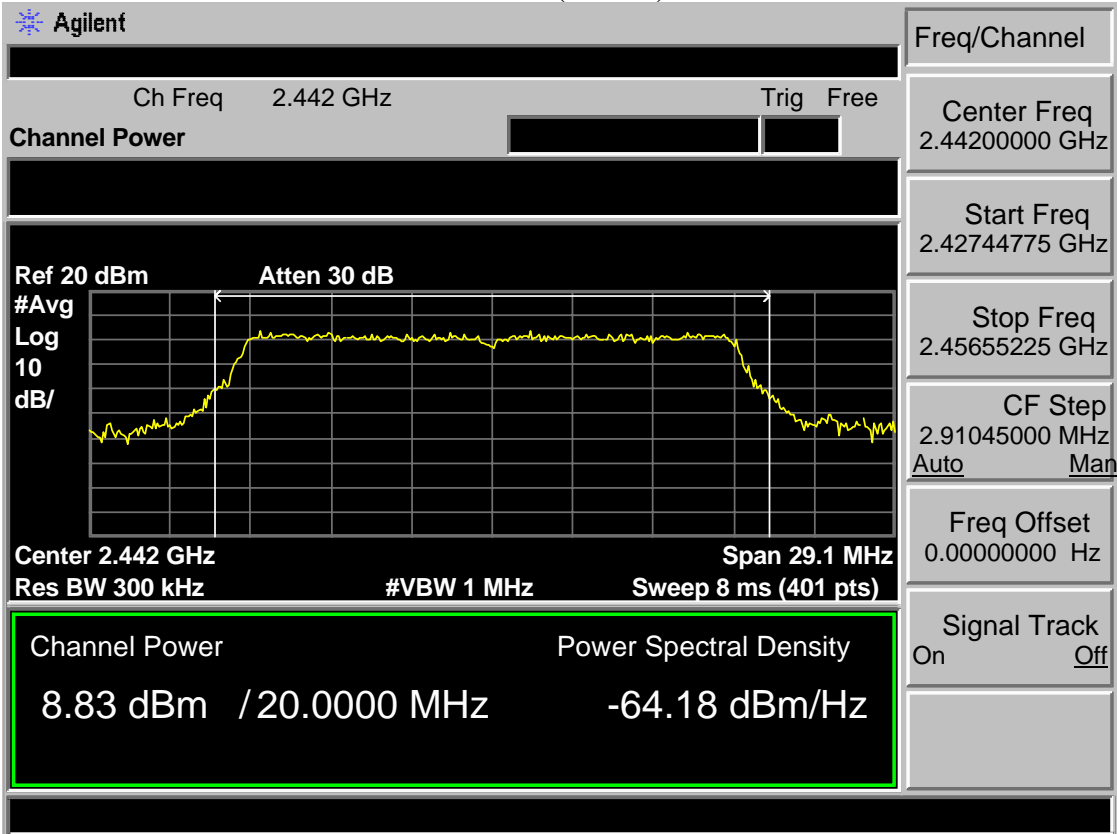
Test Mode: IEEE 802.11g 2472MHz(ANT b)



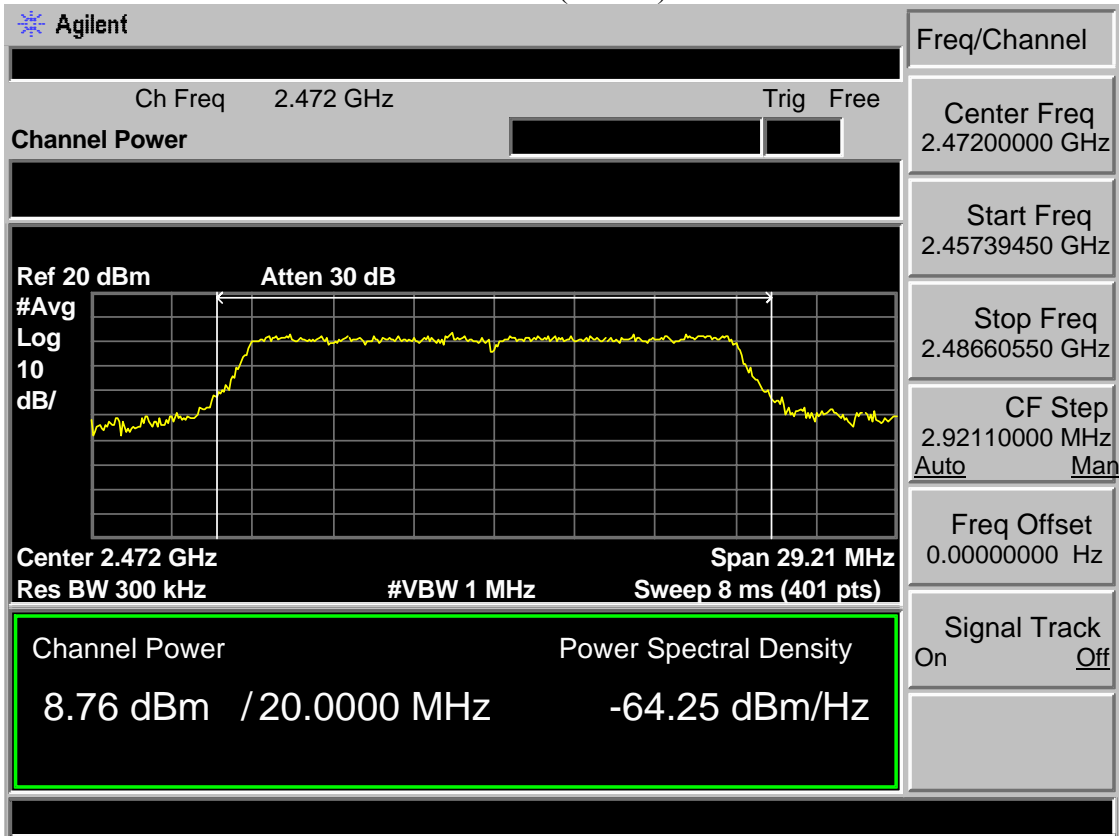
Test Mode: IEEE 802.11n HT20 2412MHz(ANT b)



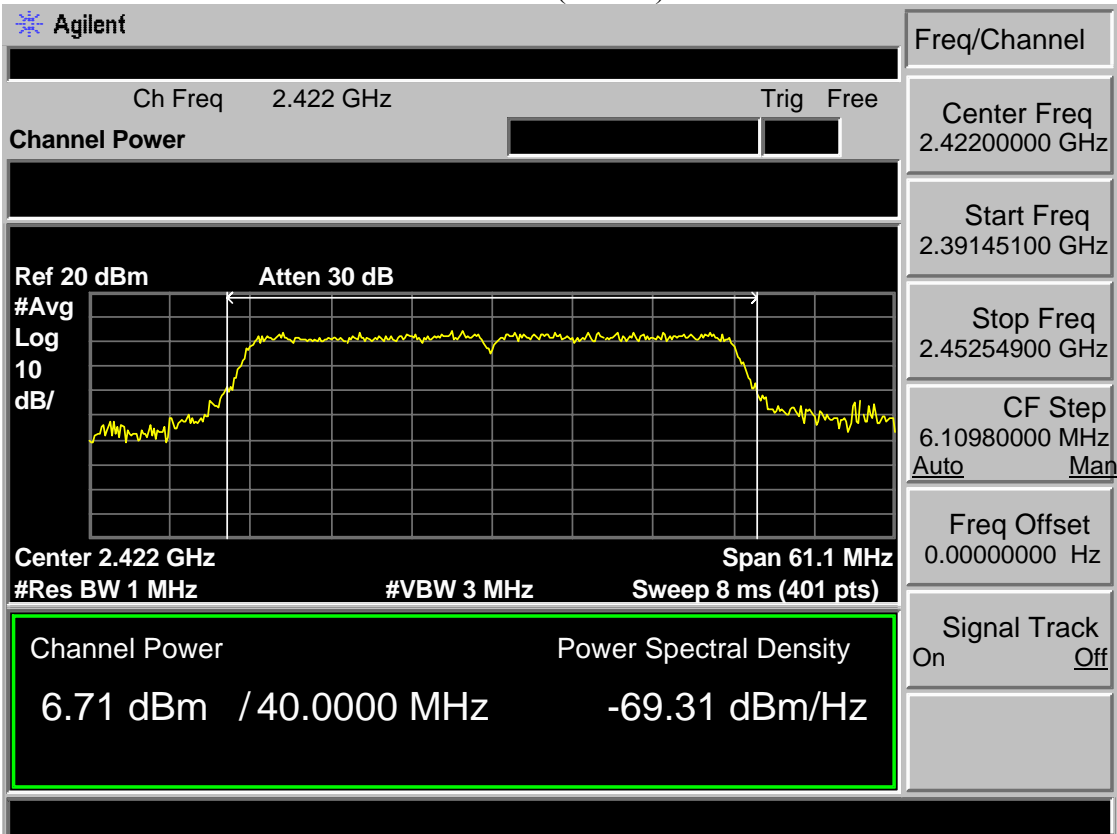
Test Mode: IEEE 802.11n HT20 2442MHz(ANT b)



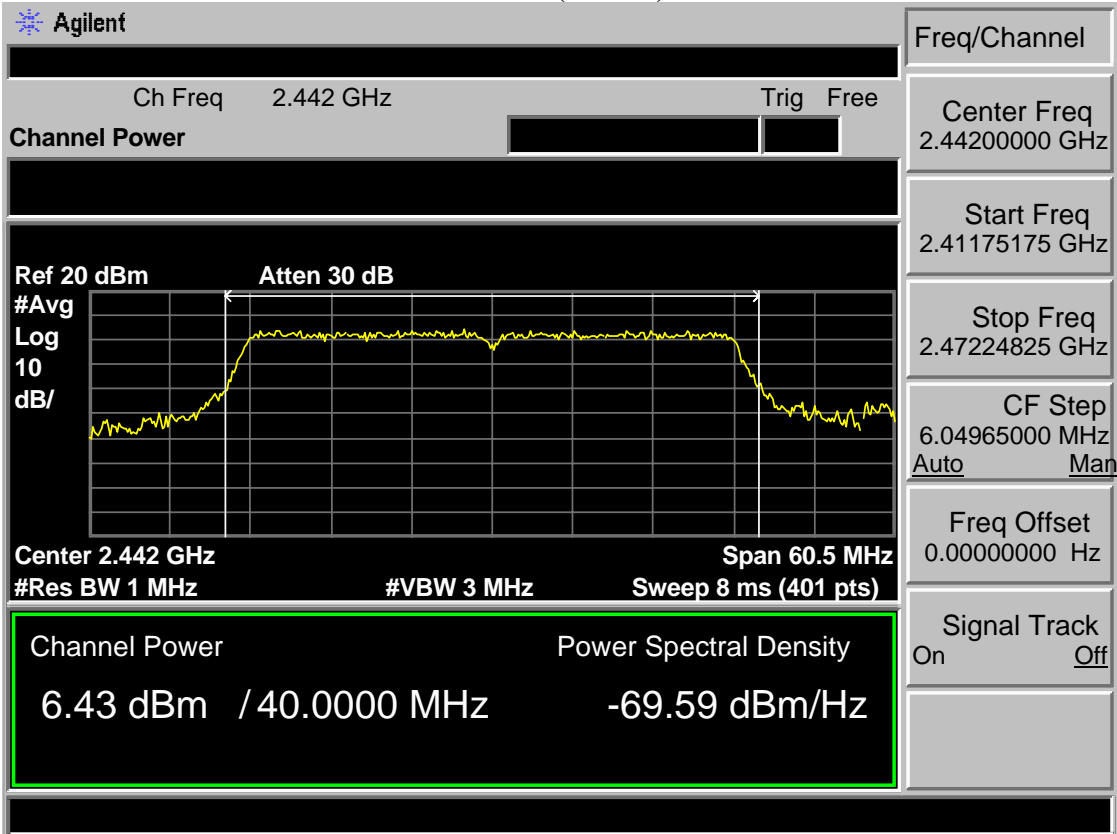
Test Mode: IEEE 802.11n HT20 2472MHz(ANT b)



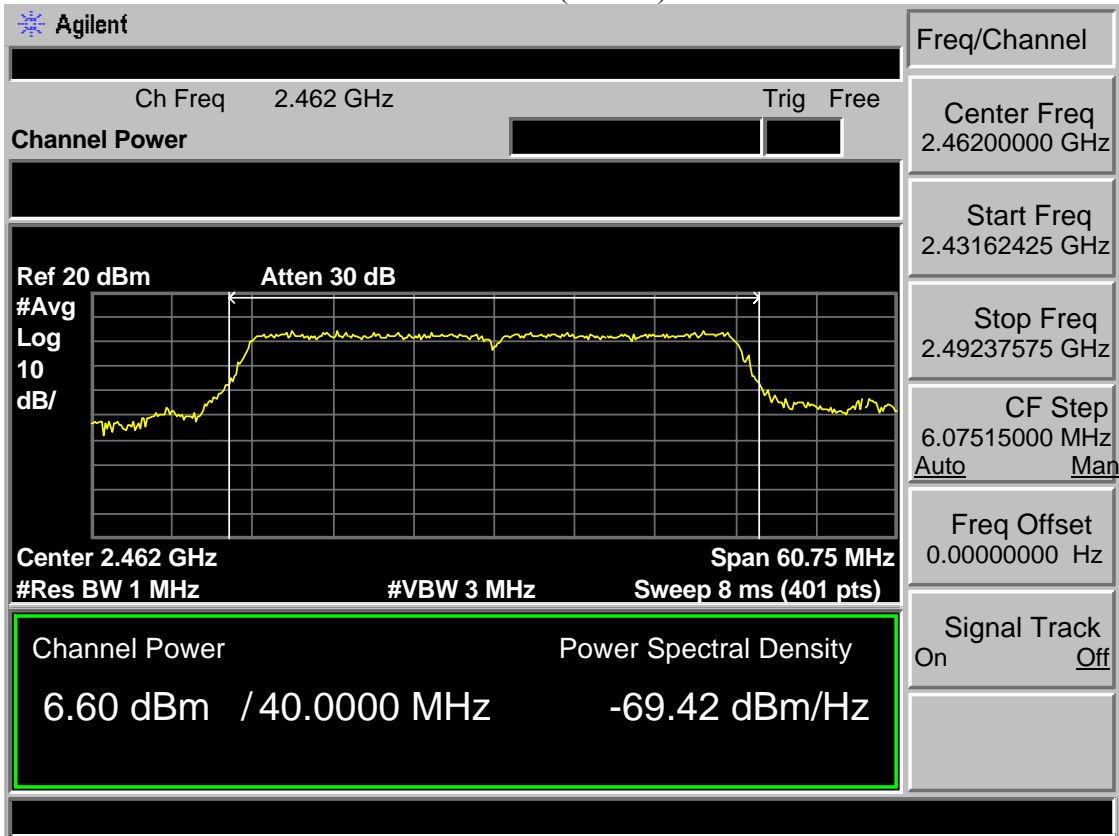
Test Mode: IEEE 802.11n HT40 2422MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2442MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2462MHz(ANT b)



8 POWER SPECTRAL DENSITY TEST

8.1 Limit

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

8.2 Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device.

- 2, Follow the test procedure as described in KDB 558074
 - (1). Set analyzer center frequency to DTS channel center frequency.
 - (2). Set the span to 1.5 times the DTS bandwidth.
 - (3). Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
 - (4). Set the VBW $\geq 3 \text{ RBW}$.
 - (5). Detector = peak.
 - (6). Sweep time = auto couple.
 - (7). Trace mode = max hold.
 - (8). Allow trace to fully stabilize.
 - (9). Use the peak marker function to determine the maximum amplitude level.
 - (10). If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

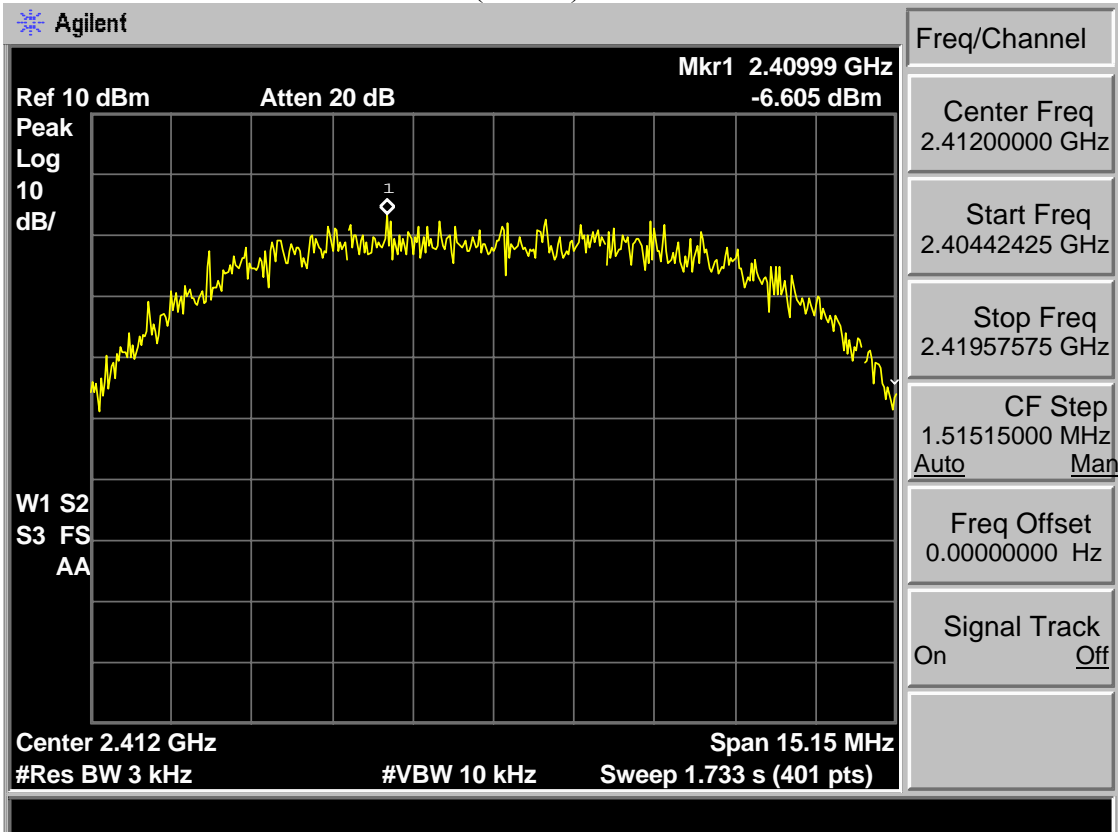
8.3 Test Result

EUT: LED TV			
M/N: WD65NC4190			
Test date: 2015-07-01		Tested by: Tony Tang	Test site: RF site
Pass			
Test Mode	CH	Power density (dBm/3kHz)	Limit (dBm/3kHz)
IEEE 802.11 b (ANT a)	CH1	-6.605	8
	CH7	-7.373	8
	CH13	-7.179	8
IEEE 802.11 g (ANT a)	CH1	-11.49	8
	CH7	-12.80	8
	CH13	-13.38	8
IEEE 802.11 b (ANT b)	CH1	-8.572	8
	CH7	-9.209	8
	CH13	-8.726	8
IEEE 802.11 g (ANT b)	CH1	-14.38	8
	CH7	-14.21	8
	CH13	-14.38	8
Conclusion: PASS			

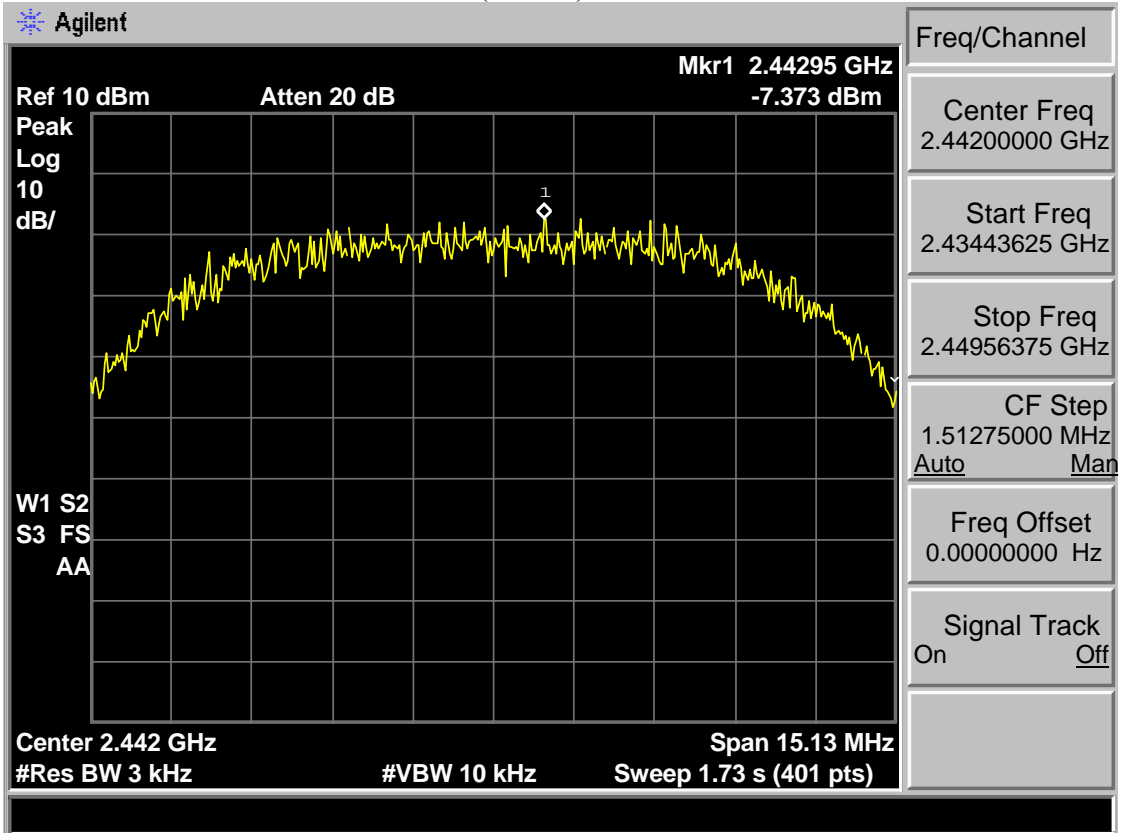
EUT:LED TV						
M/N: WD65NC4190						
Test Date:2015-07-01				Tested by: Tony		
Test site: RF site				Test result: Pass		
Test Mode	CH				Limit (dBm/3kHz)	Result
		ANT 1	ANT 2	Power density (dBm/3 kHz)		
IEEE 802.11n (HT20)	CH1	-11.96	-15.08	-10.24	8	Pass
	CH7	-13.63	-14.73	-11.14		Pass
	CH13	-13.38	-13.36	-10.36		Pass
IEEE 802.11n (HT40)	CH1	-15.55	-18.07	-13.62		Pass
	CH5	-16.74	-17.71	-14.19		Pass
	CH9	-15.59	-18.93	-13.94		Pass

8.4 Test Data

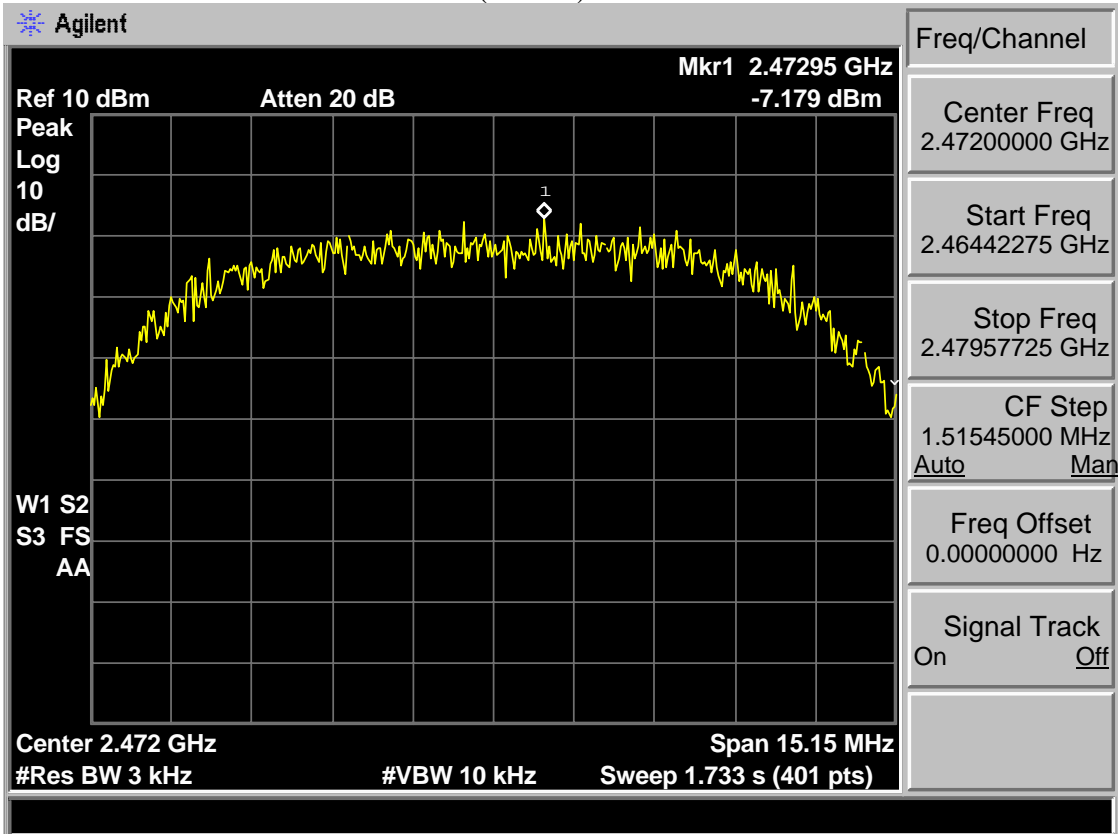
Test Mode: IEEE 802.11b 2412MHz(ANT a)



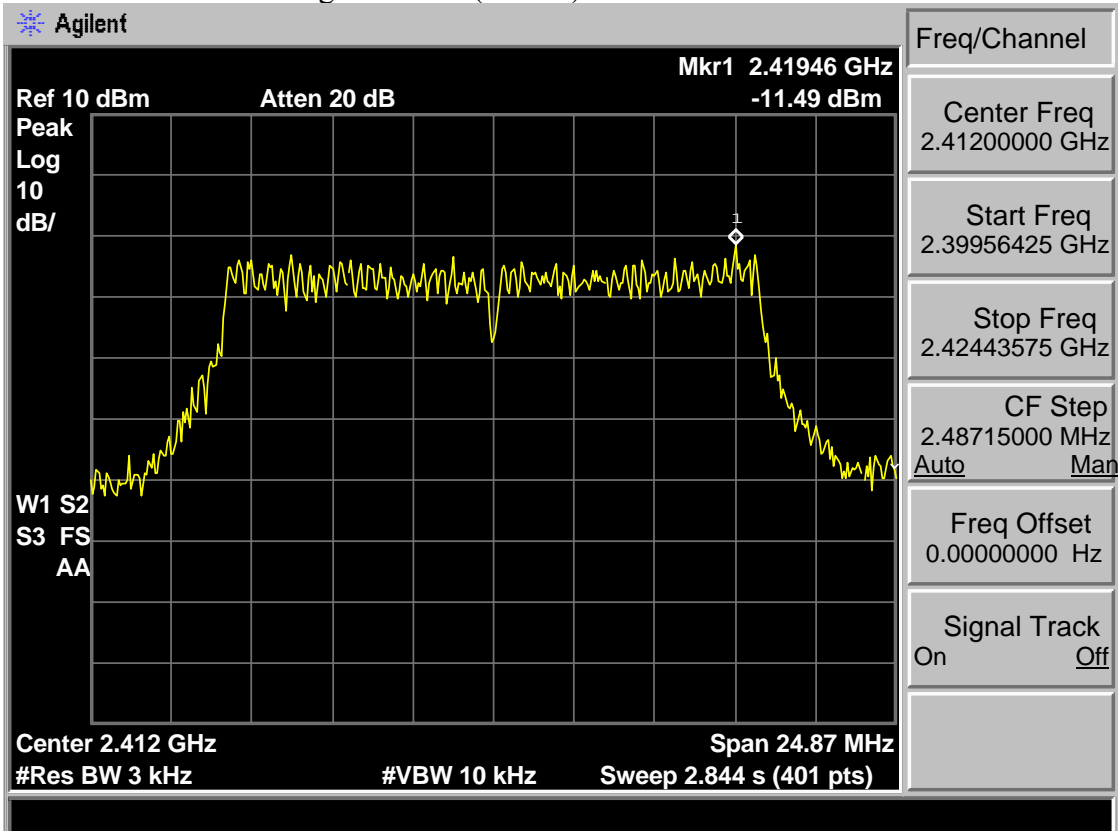
Test Mode: IEEE 802.11b 2442MHz(ANT a)



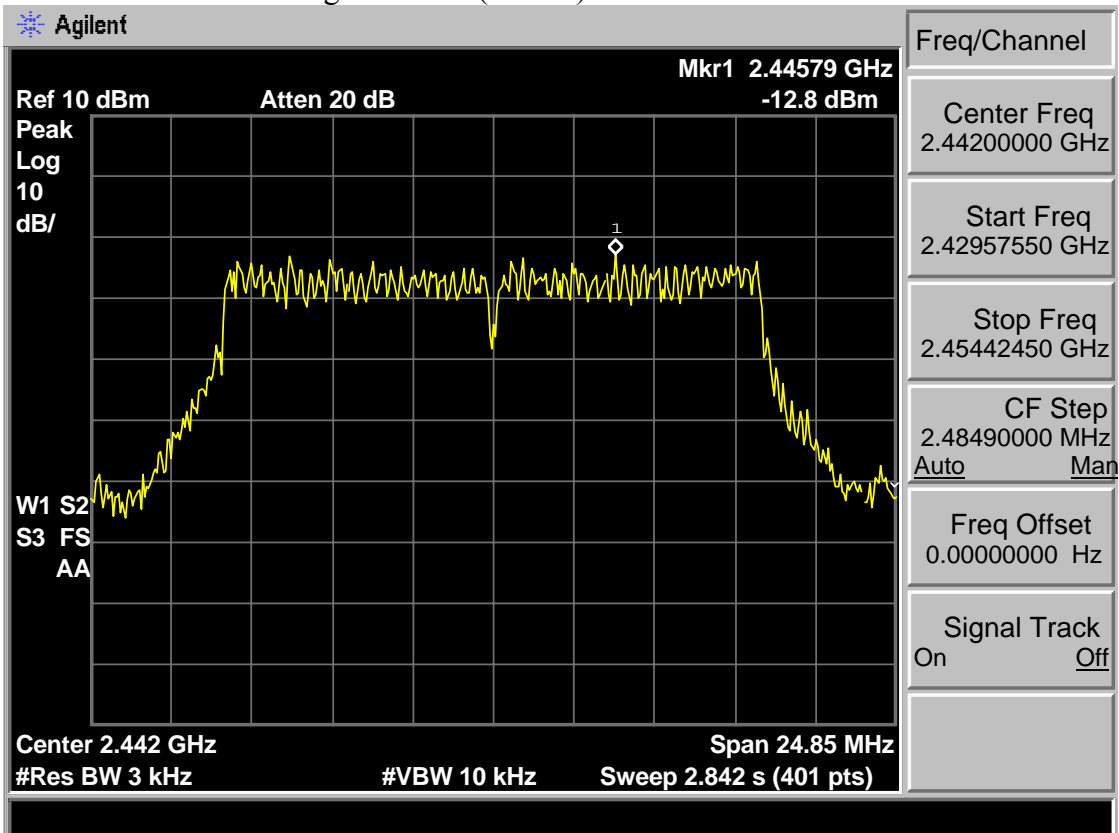
Test Mode: IEEE 802.11b 2472MHz(ANT a)



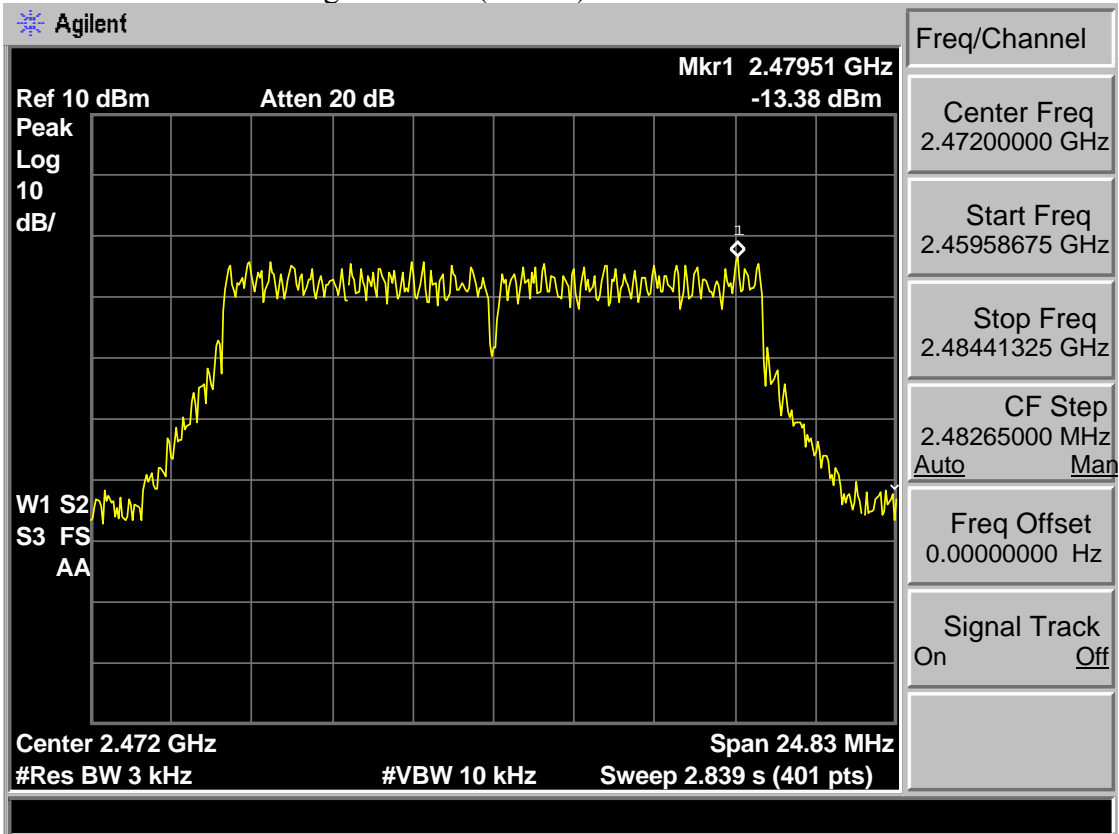
Test Mode: IEEE 802.11g 2412MHz(ANT a)



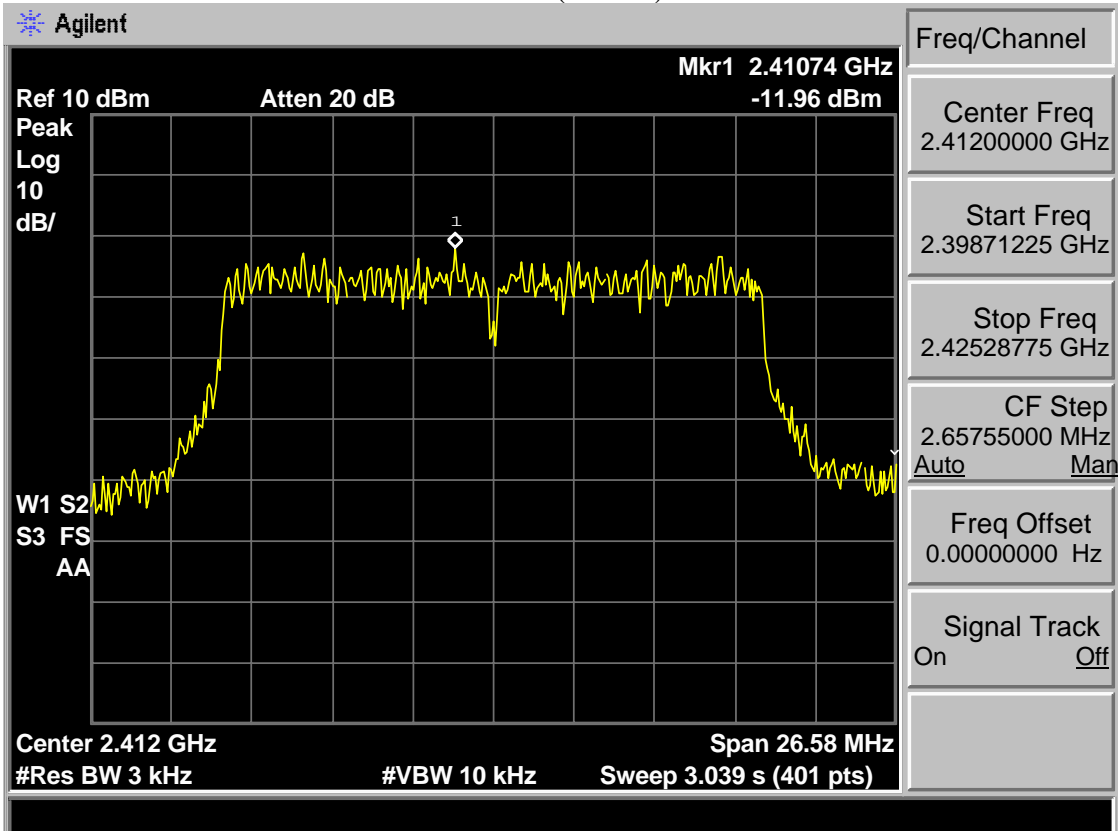
Test Mode: IEEE 802.11g 2442MHz(ANT a)



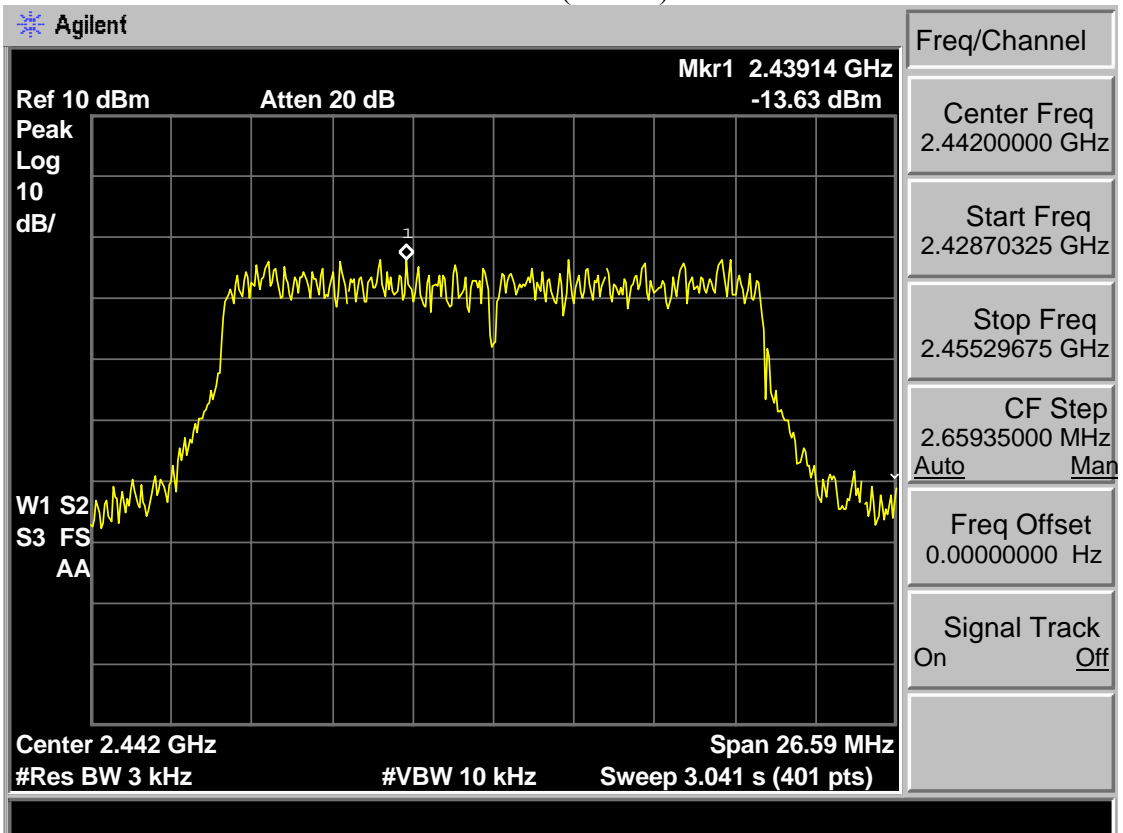
Test Mode: IEEE 802.11g 2472MHz(ANT a)



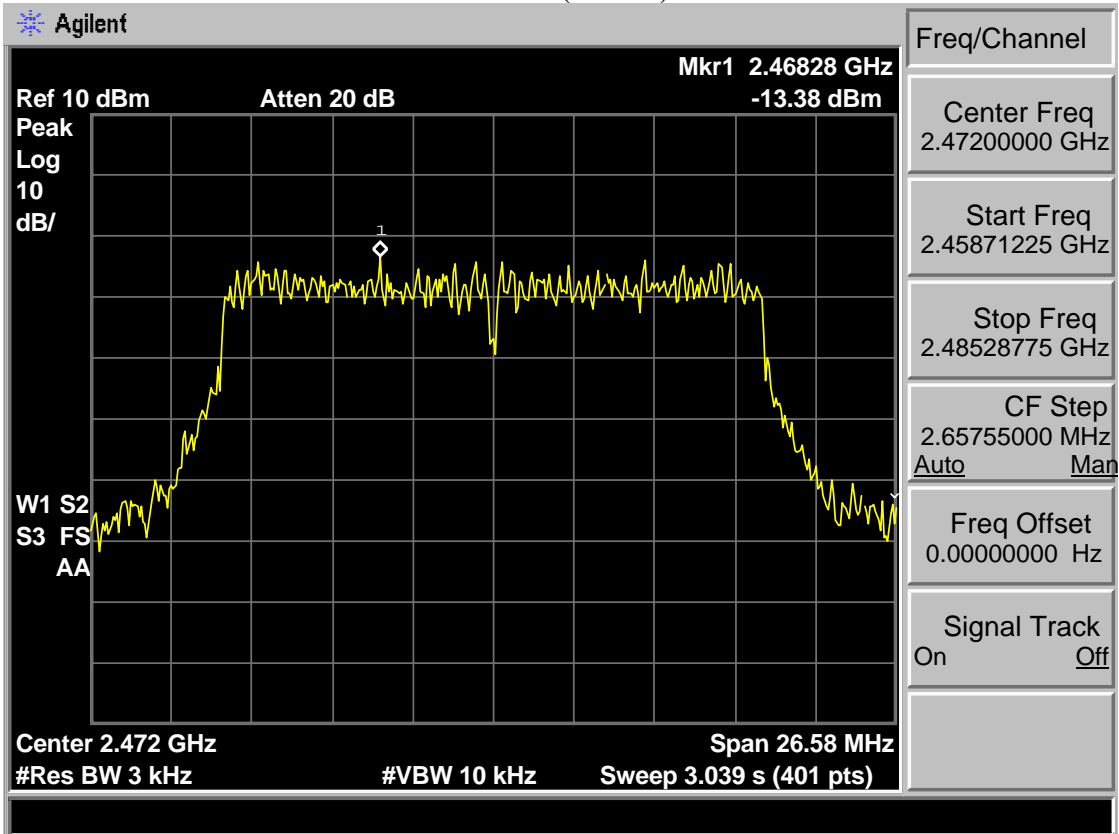
Test Mode: IEEE 802.11n HT20 2412MHz(ANT a)



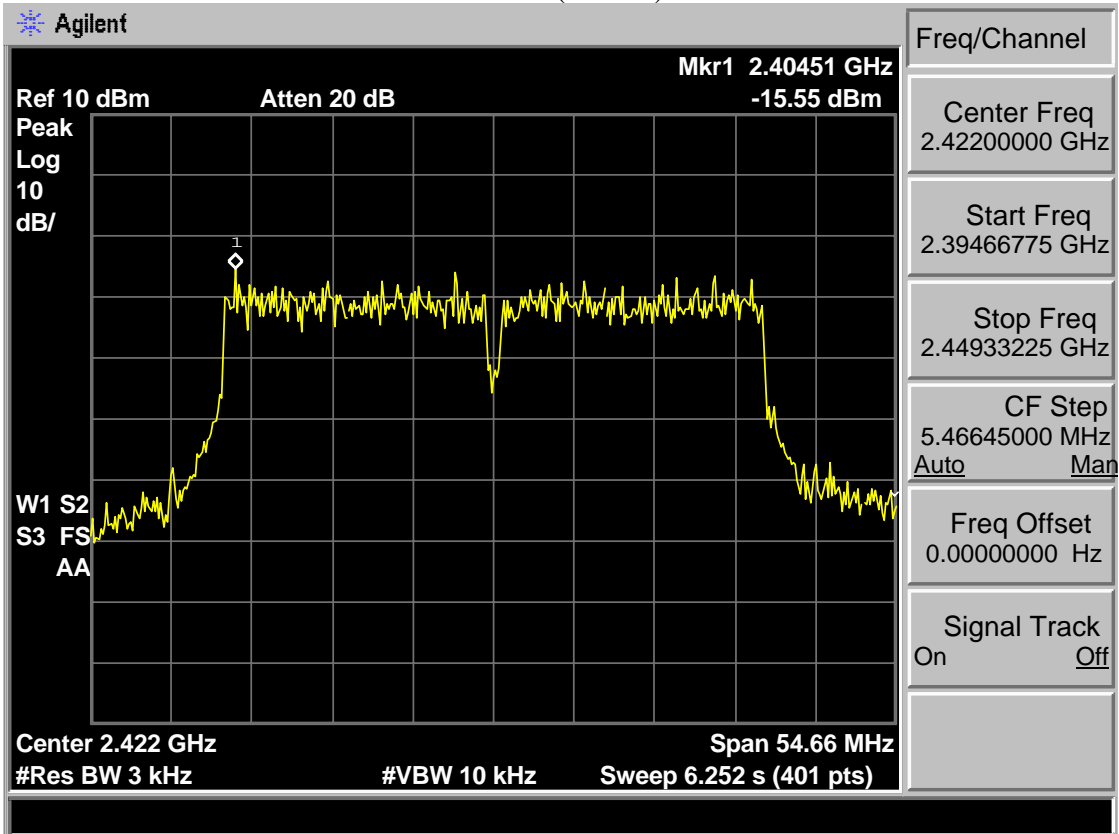
Test Mode: IEEE 802.11n HT20 2442MHz(ANT a)



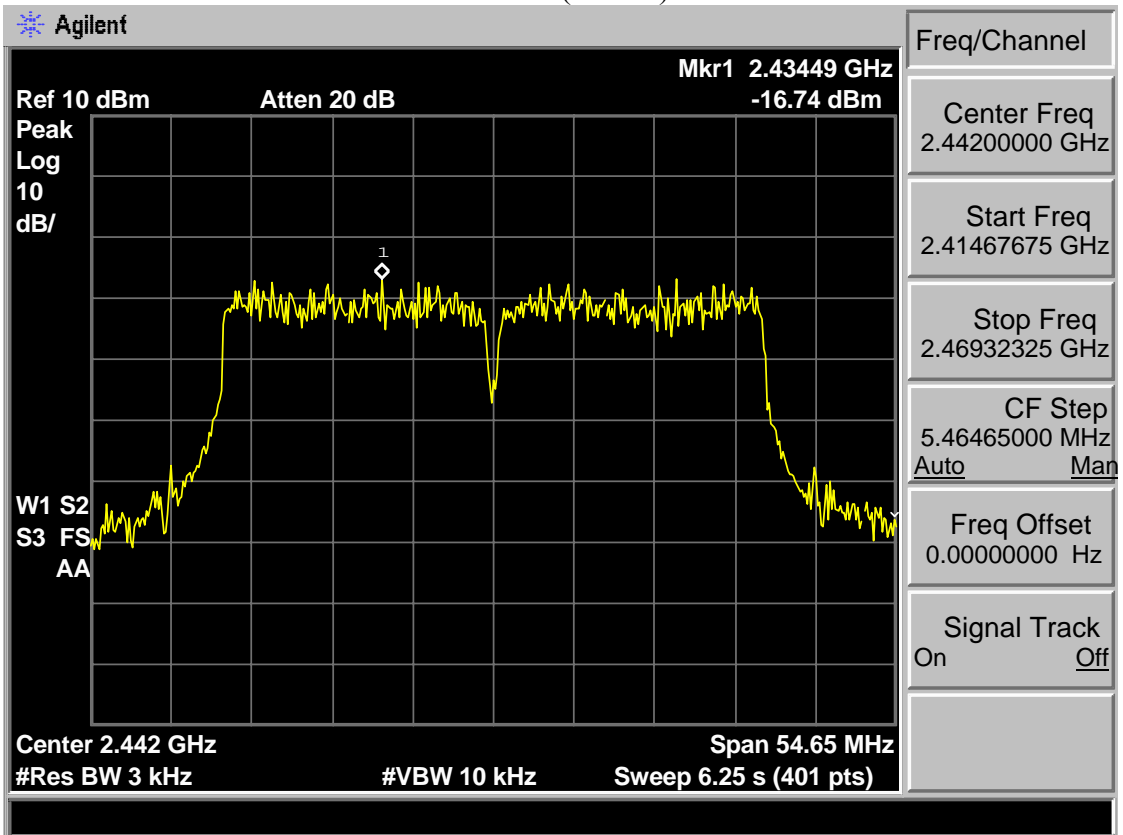
Test Mode: IEEE 802.11n HT20 2472MHz(ANT a)



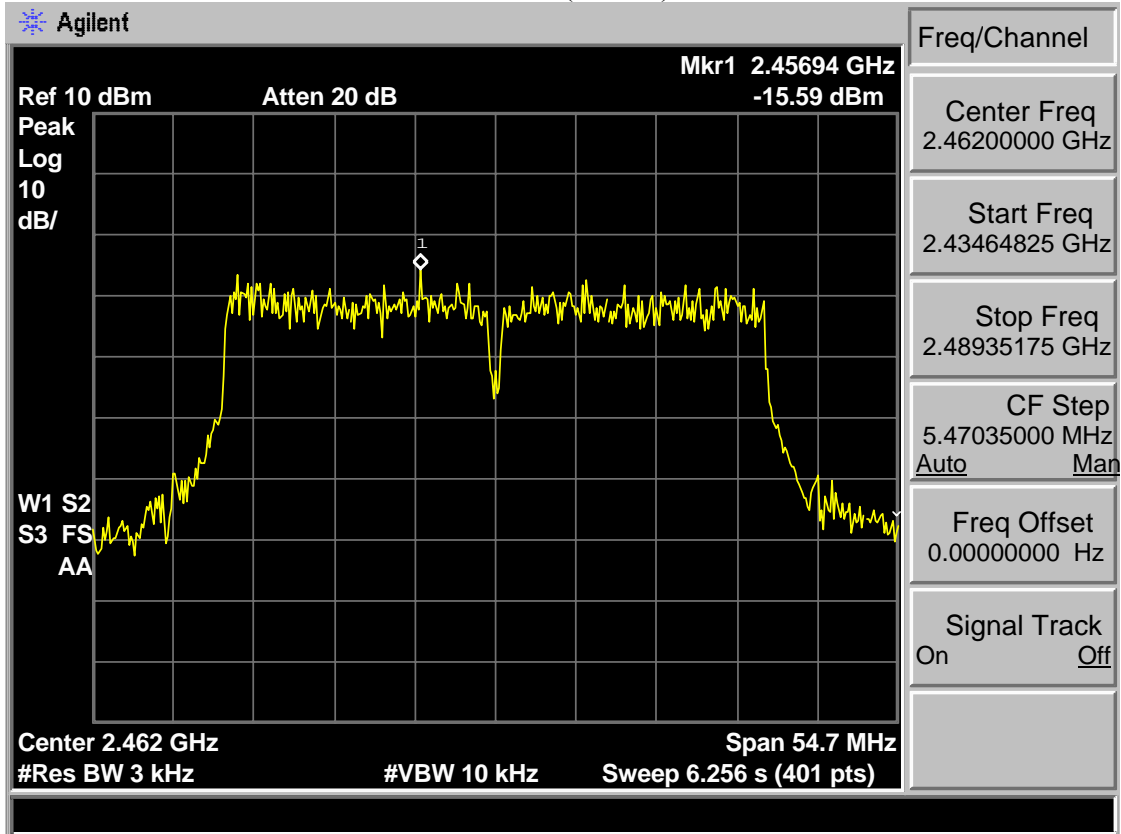
Test Mode: IEEE 802.11n HT40 2422MHz(ANT a)



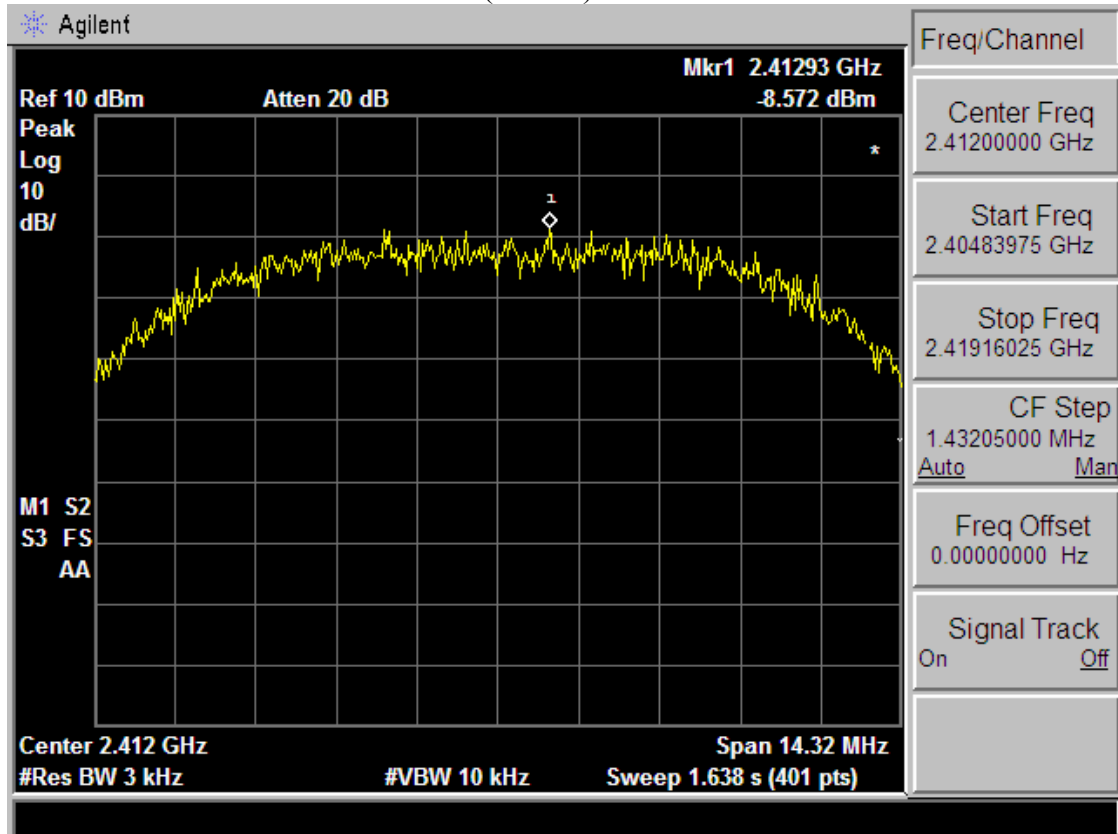
Test Mode: IEEE 802.11n HT40 2442MHz(ANT a)



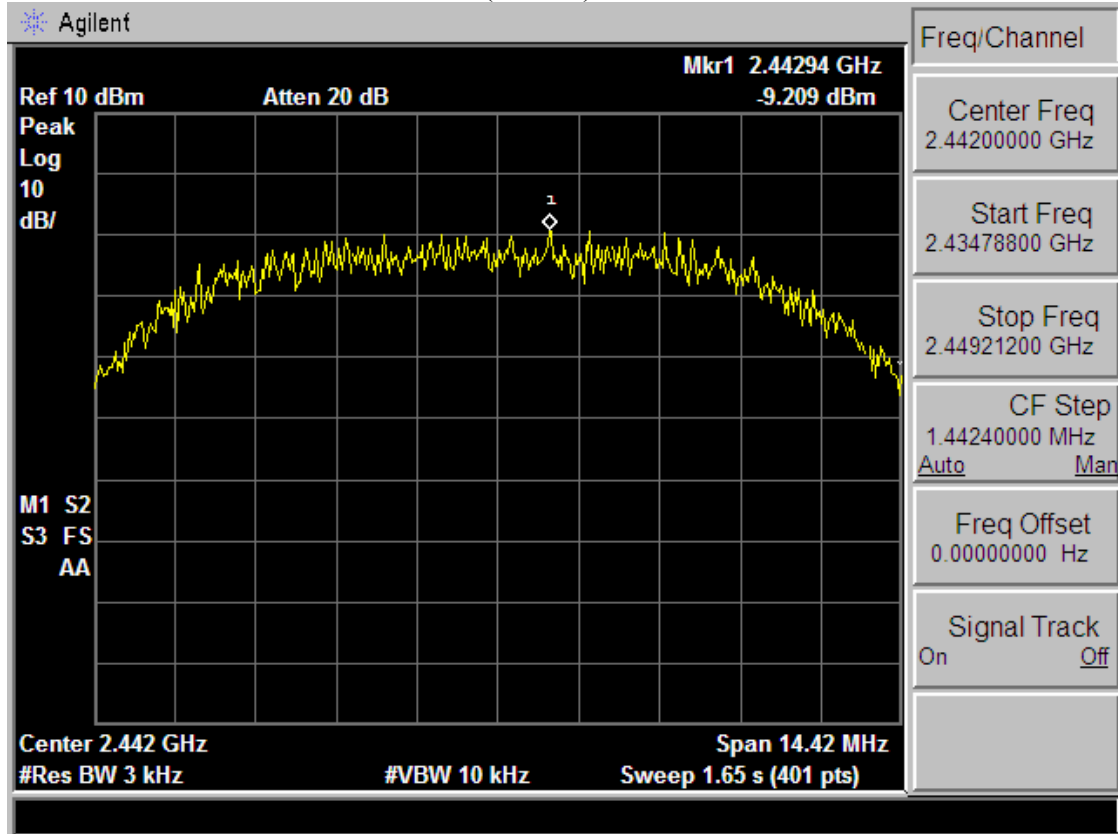
Test Mode: IEEE 802.11n HT40 2462MHz(ANT a)



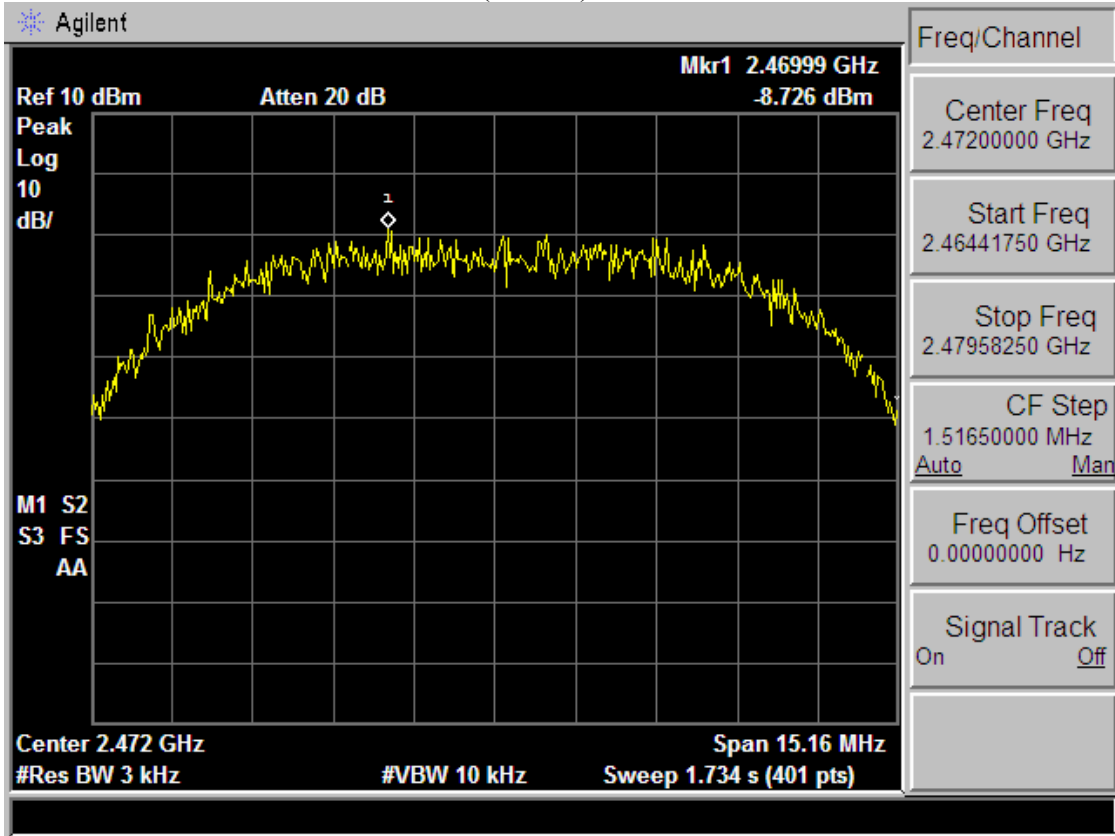
Test Mode: IEEE 802.11b 2412MHz(ANT b)



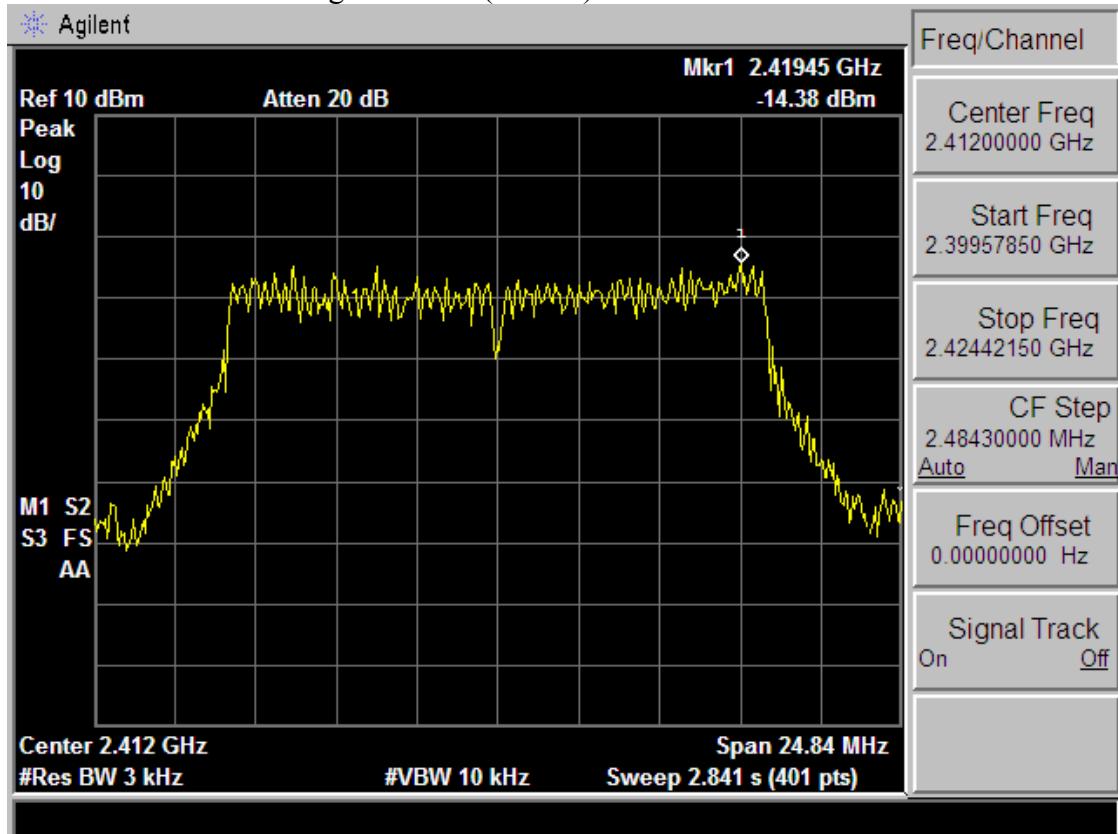
Test Mode: IEEE 802.11b 2442MHz(ANT b)



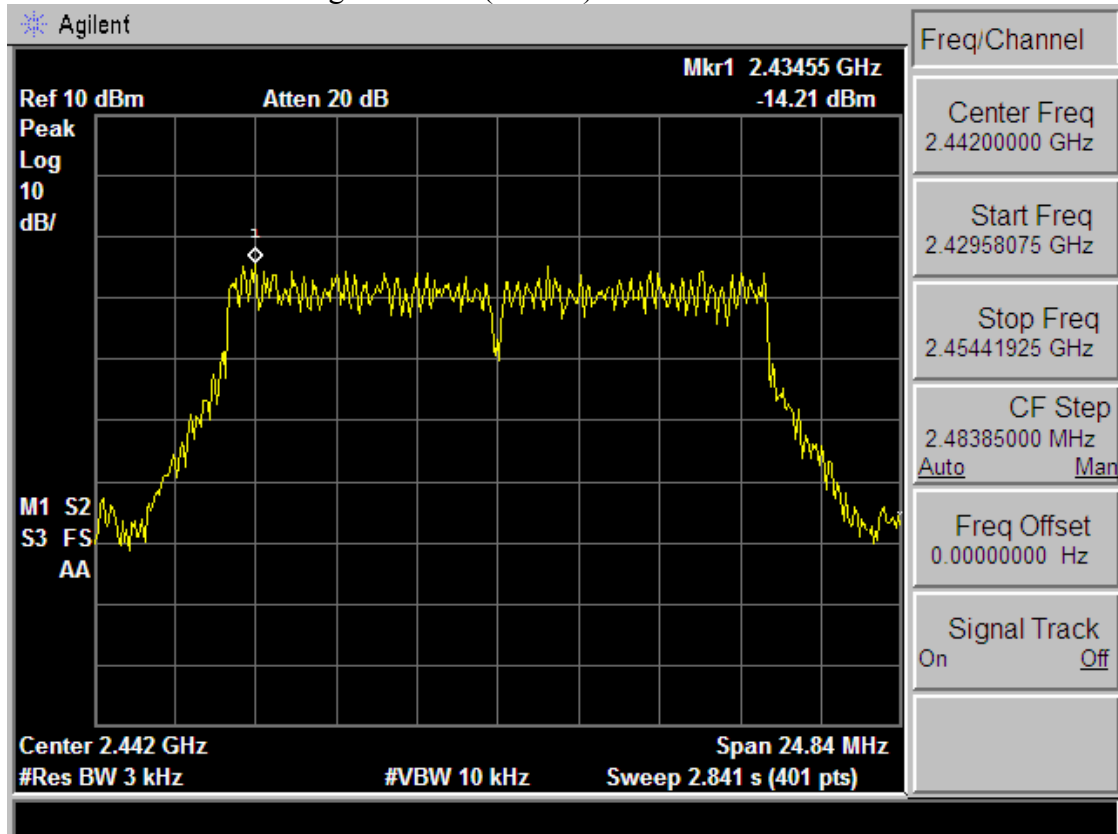
Test Mode: IEEE 802.11b 2472MHz(ANT b)



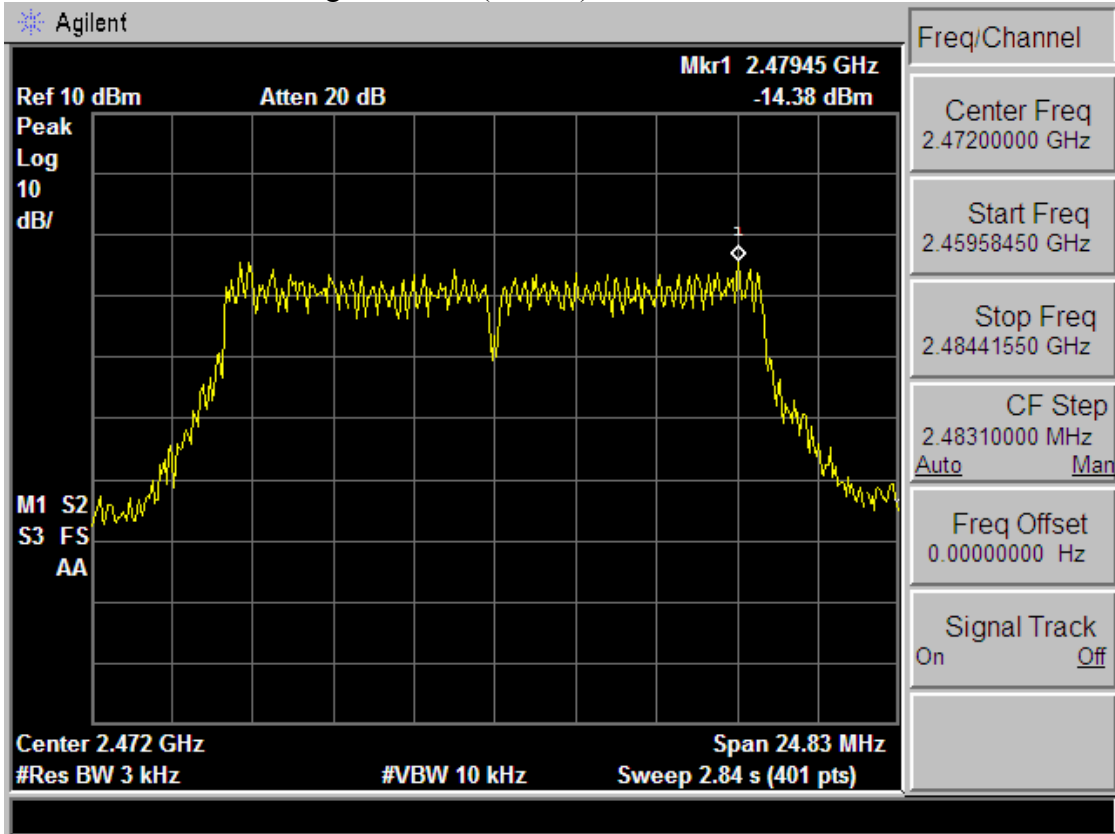
Test Mode: IEEE 802.11g 2412MHz(ANT b)



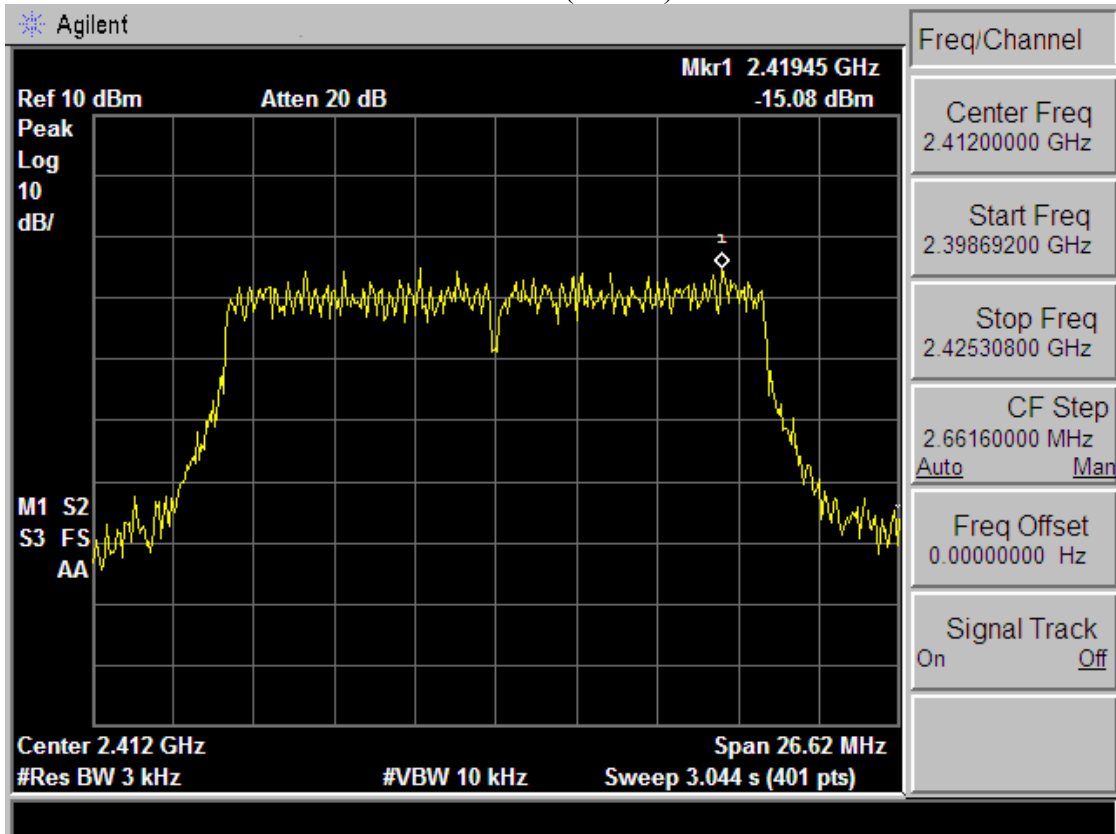
Test Mode: IEEE 802.11g 2442MHz(ANT b)



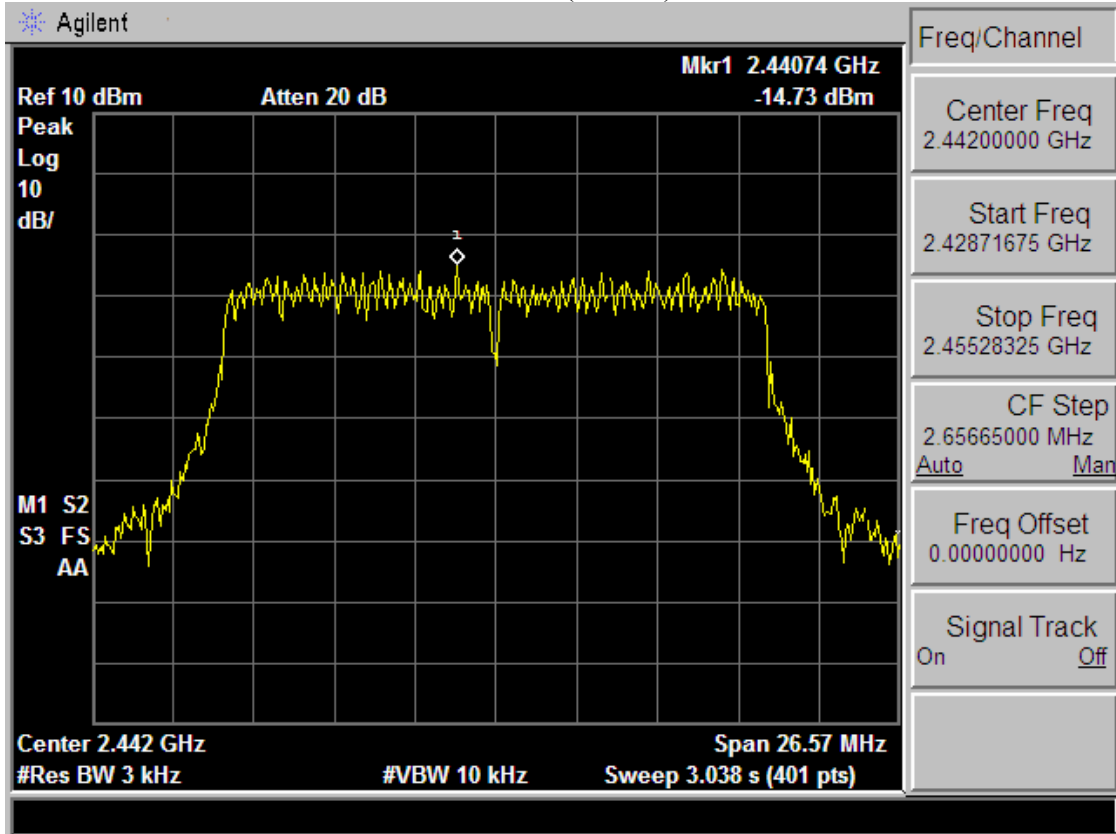
Test Mode: IEEE 802.11g 2472MHz(ANT b)



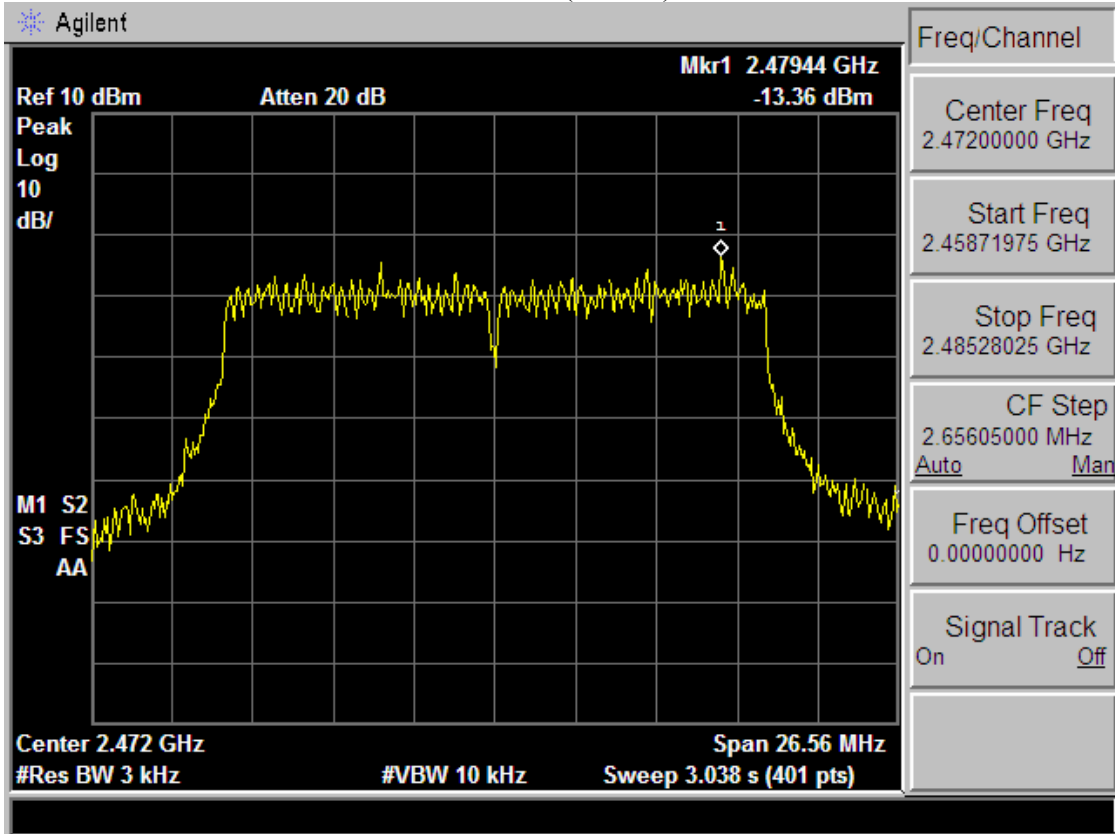
Test Mode: IEEE 802.11n HT20 2412MHz(ANT b)



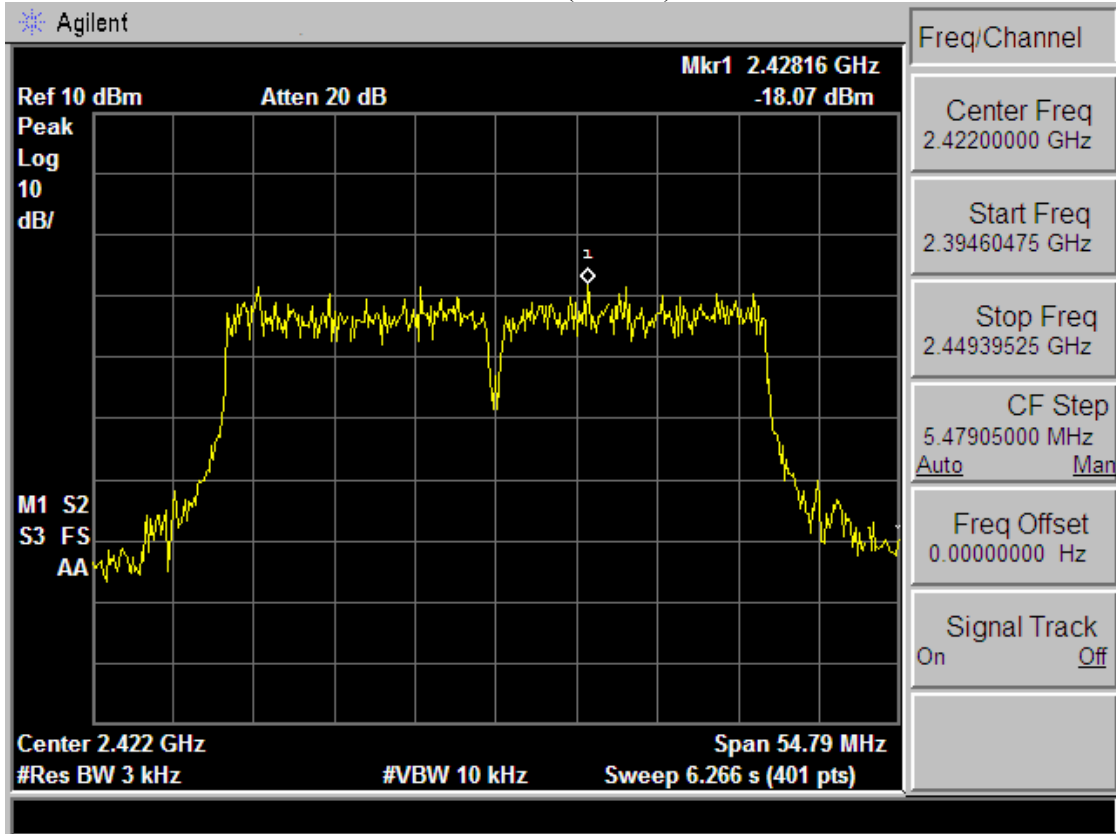
Test Mode: IEEE 802.11n HT20 2442MHz(ANT b)



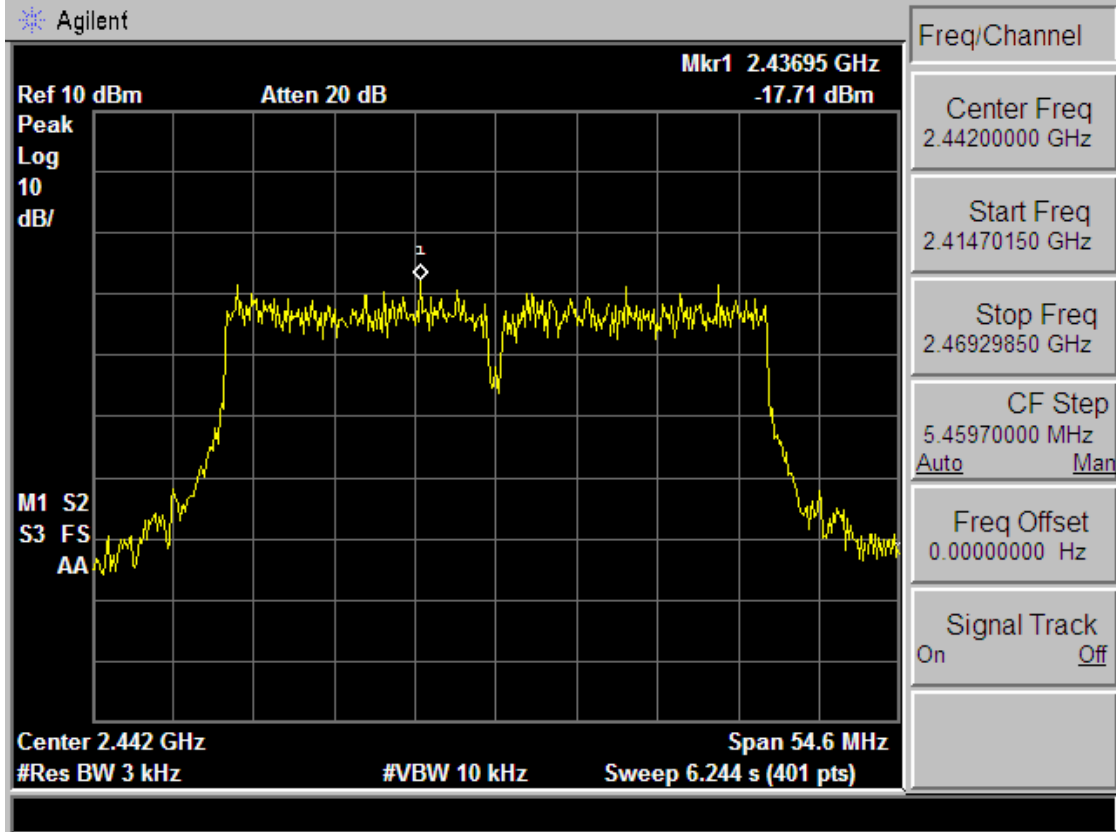
Test Mode: IEEE 802.11n HT20 2472MHz(ANT b)



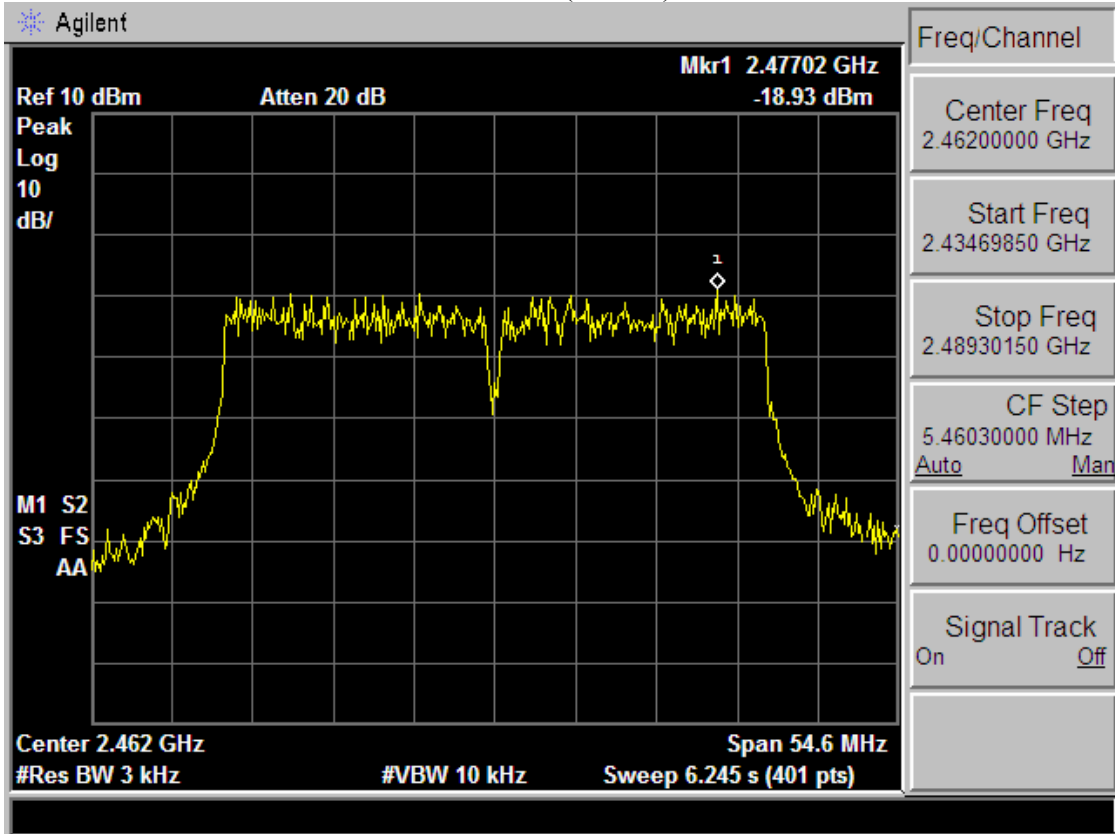
Test Mode: IEEE 802.11n HT40 2422MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2442MHz(ANT b)



Test Mode: IEEE 802.11n HT40 2462MHz(ANT b)



9 ANTENNA REQUIREMENTS

9.1 Limit

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

9.2 Result

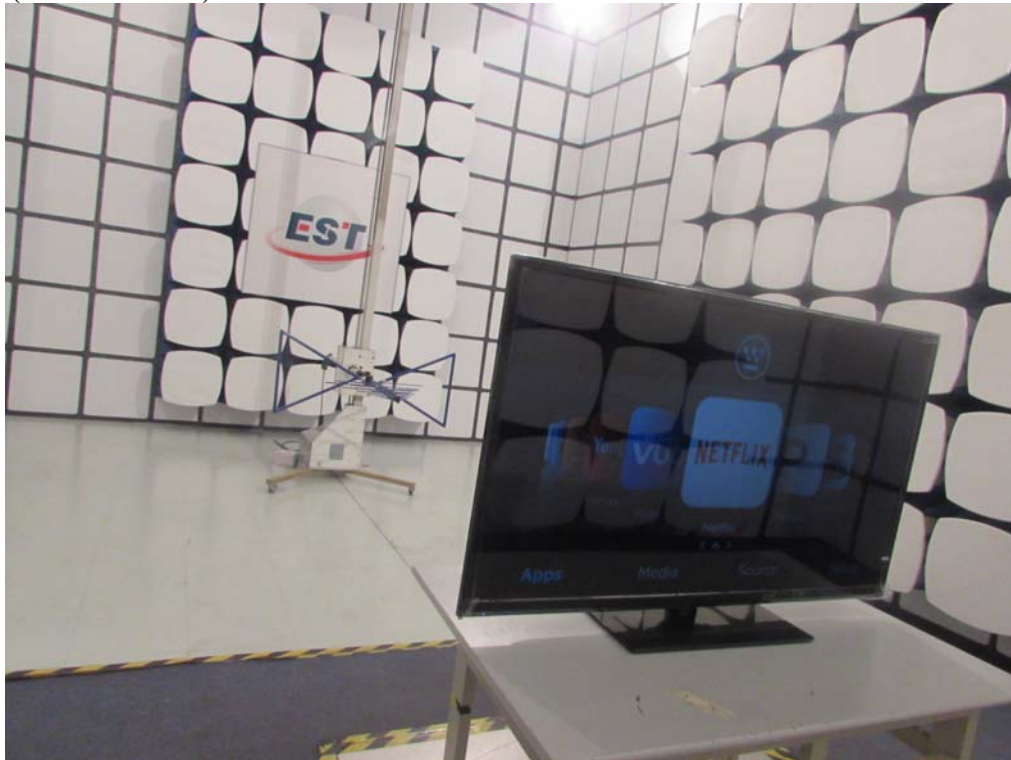
The antennas used for this product are Integral antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2 dBi.

10 TEST SETUP PHOTO

Conducted Test



Radiated Test (30-1000 MHz)



Radiated Test (1000-25000 MHz)



11 PHOTOS OF EUT

External Photos
M/N: WD65NC4190



External Photos
M/N: WD65NC4190



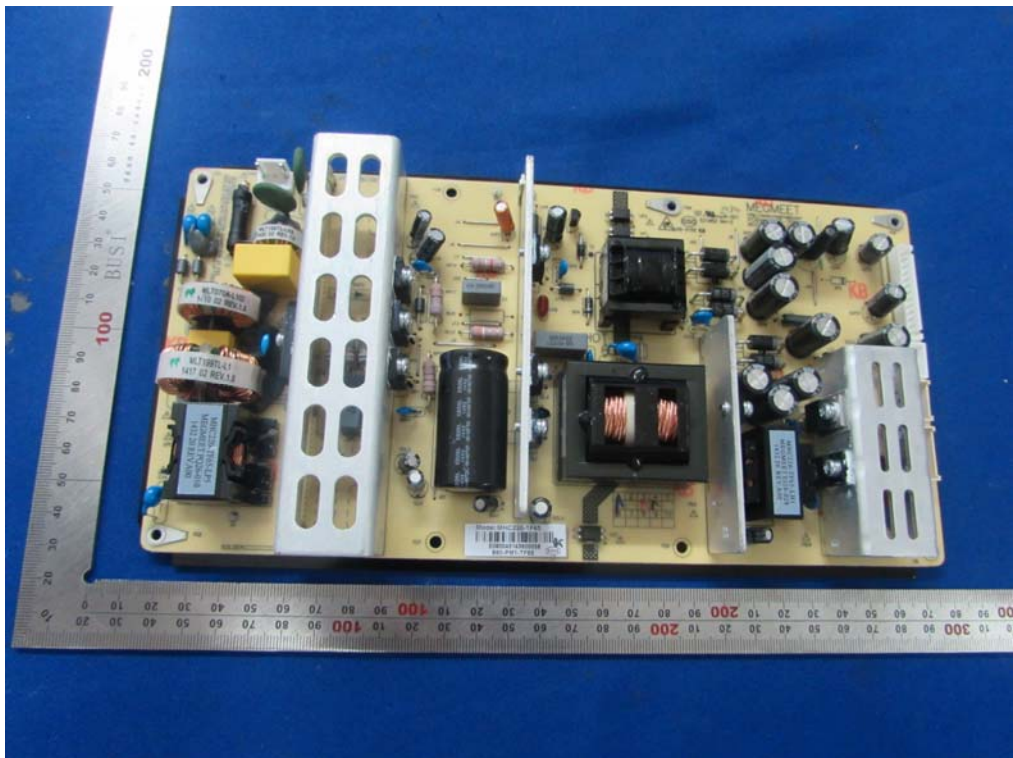
External Photos
M/N: WD65NC4190



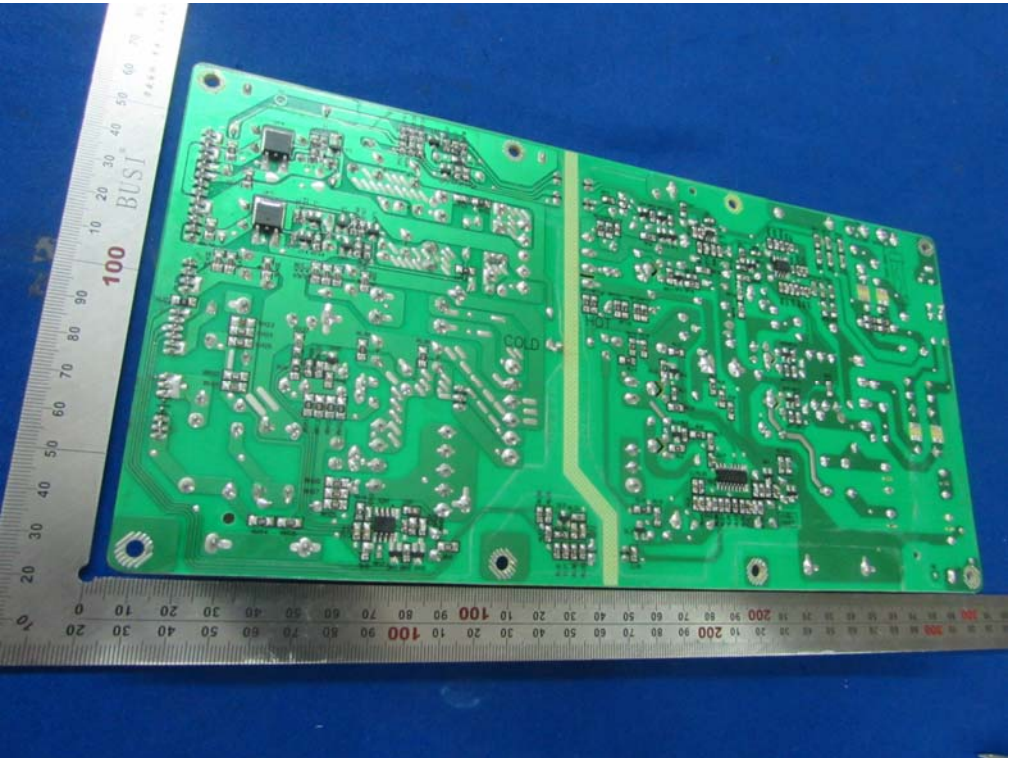
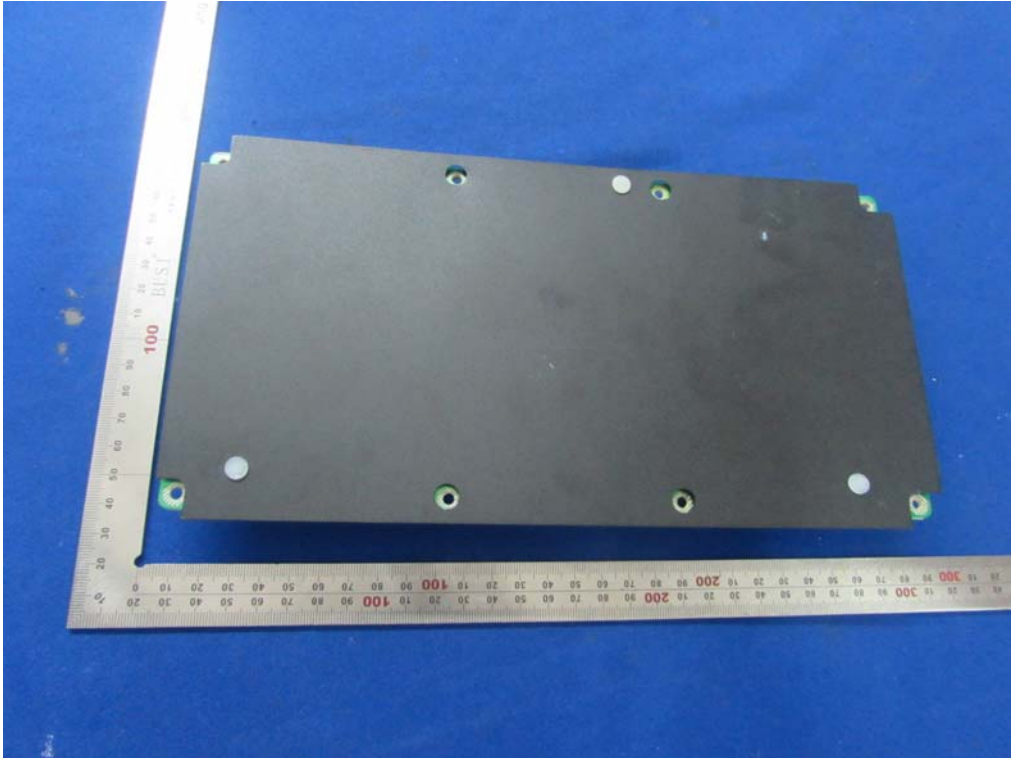
External Photos
M/N: WD65NC4190



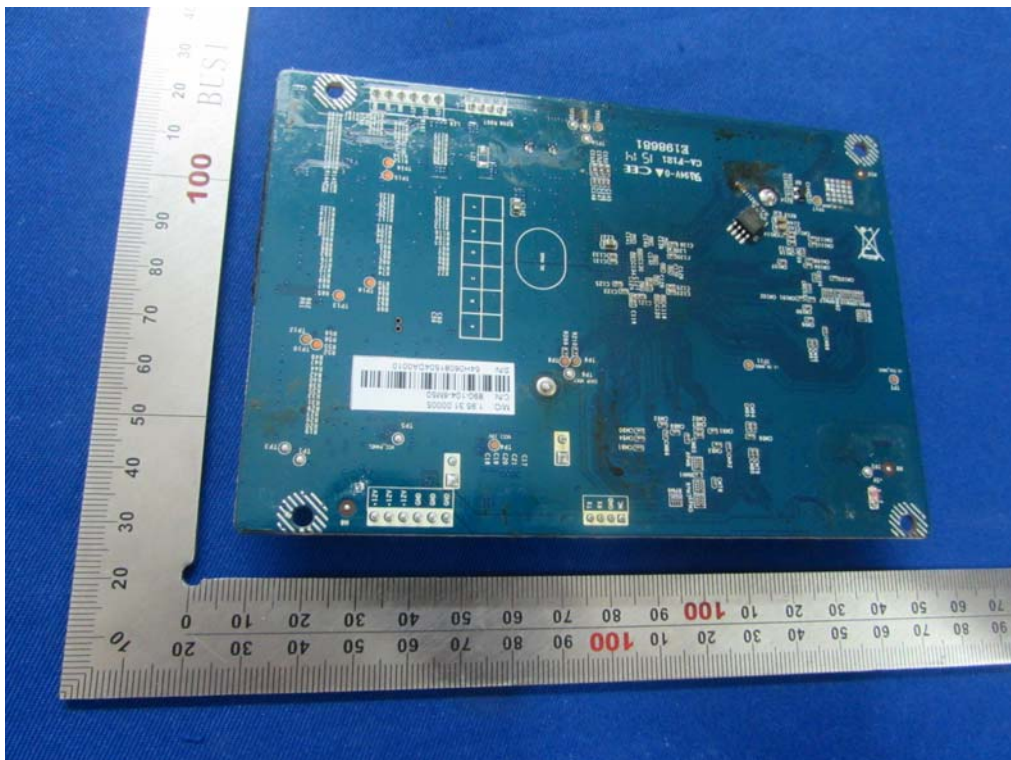
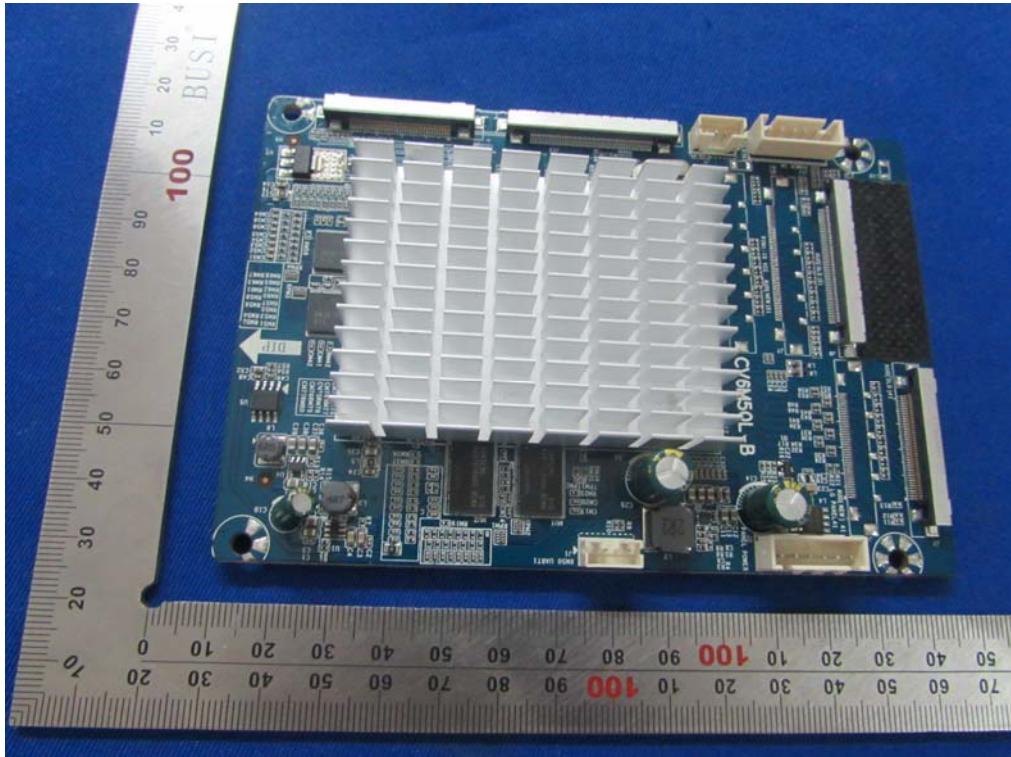
Internal Photos
M/N: WD65NC4190



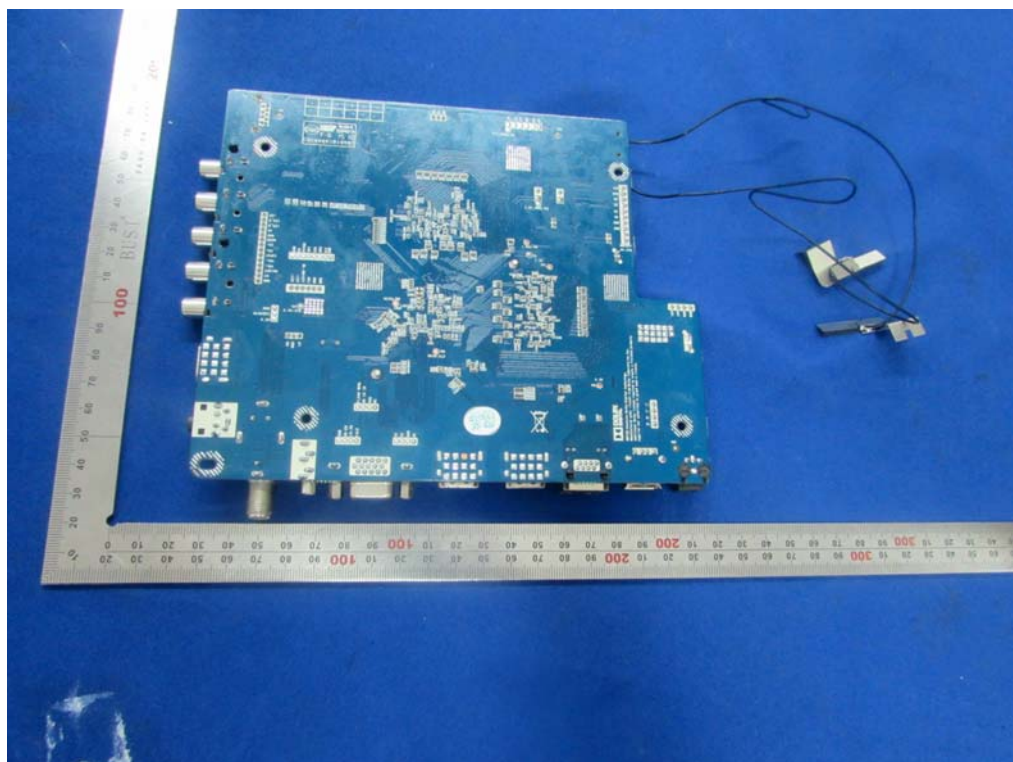
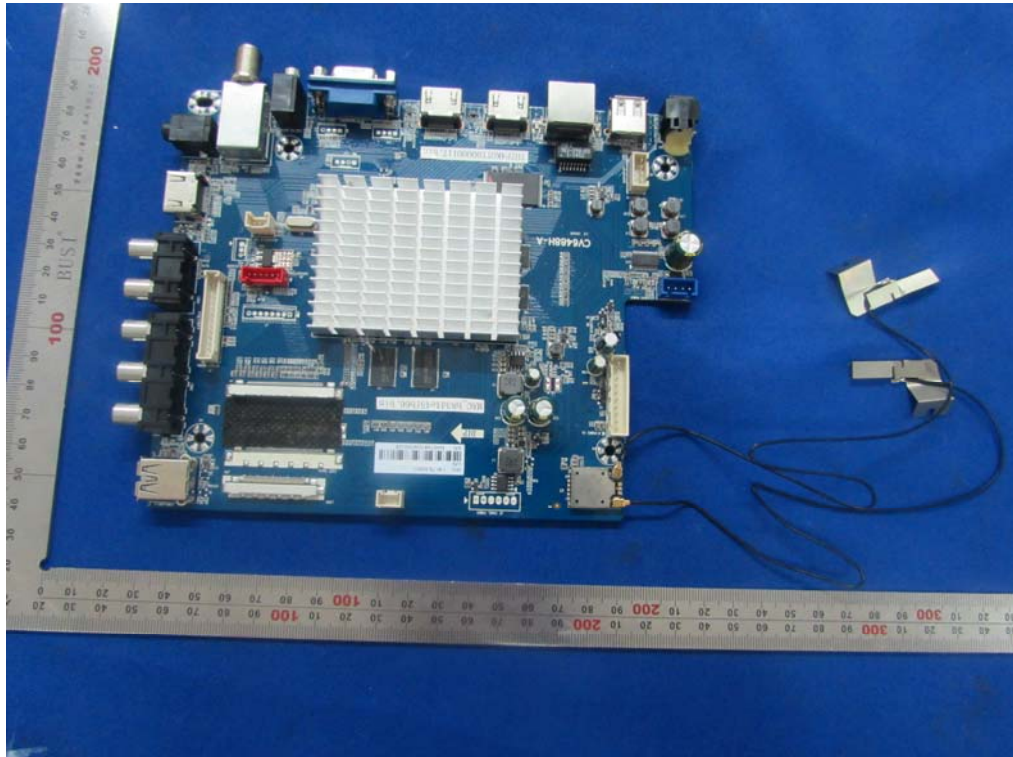
Internal Photos
M/N: WD65NC4190



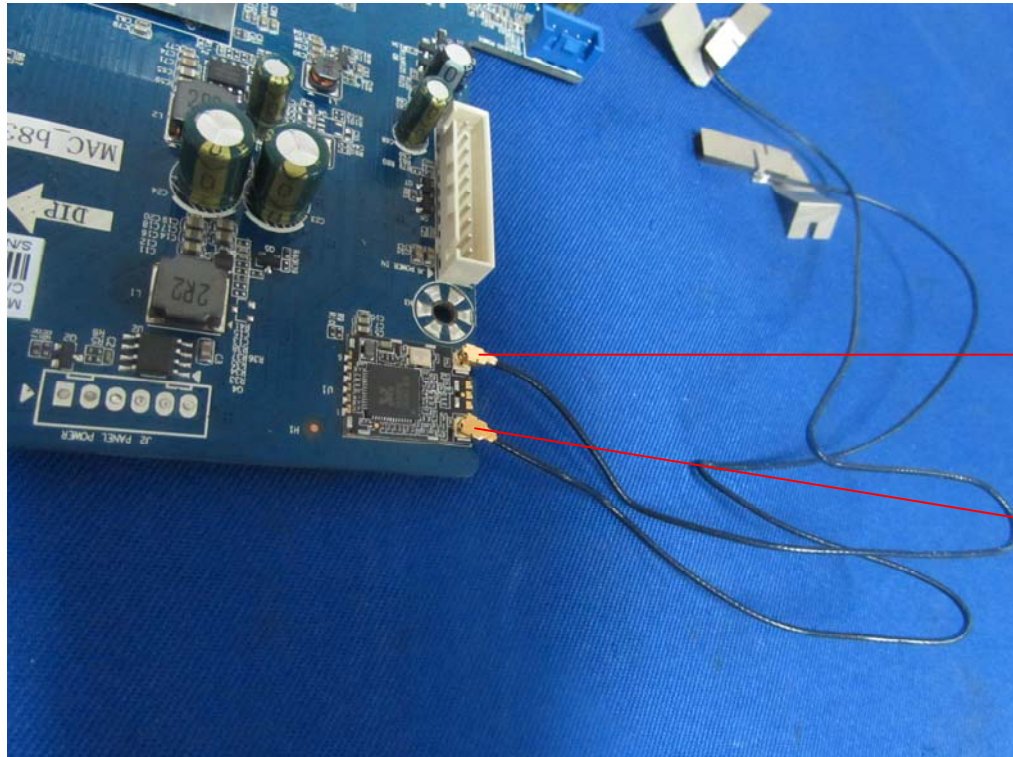
Internal Photos
M/N: WD65NC4190



Internal Photos
M/N: WD65NC4190



Internal Photos
M/N: WD65NC4190



Antenna
b

Antenna
a



Internal Photos
M/N: WD65NC4190

