

FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

Avi-on Labs, Inc.

Avi-on Remote Access Bridge

Model Number: 2001RAB

FCC ID: 2AFZI-2001RAB

Prepared for : Avi-on Labs, Inc.

2750 Rasmussen, Suite 206, Park City, Utah, 84098 United States.

Prepared By : EST Technology Co., Ltd.

San Tun Management Zone, Houjie District, Dongguan, China

Tel: 86-769-83081888-808

Report Number: ESTE-R1607041

Date of Test : July 01 ~ 16, 2016

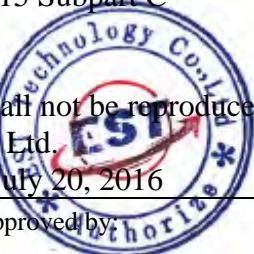
Date of Report : July 20, 2016

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Test Report Verification

Applicant:	Avi-on Labs, Inc.	
Address:	2750 Rasmussen, Suite 206, Park City, Utah, 84098 United States.	
Manufacturer	TCL Technoly Electronics(Huizhou) Co.,Ltd	
Address:	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China, 516006.	
E.U.T:	Avi-on Remote Access Bridge	
Model Number:	2001RAB	
Power Supply:	AC 100-240V ~ 50/60Hz	
Test Voltage:	AC 120V/60Hz AC 240V/60Hz	
Trade Name:	AVI-ON	Serial No.: -----
Date of Receipt:	June 15, 2016	Date of Test: July 01~ 16, 2016
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2015 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.</p>	
		Date: July 20, 2016
Prepared by:	Tested by:	Approved by:
		
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu
Other Aspects: None.		
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested		
<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	:	Avi-on Remote Access Bridge
Model Number	:	2001RAB
FCC ID	:	2AFZI-2001RAB
Wi-Fi		
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 2412 ~ 2472 MHz: 13 Channels IEEE 802.11g 2412 ~ 2472 MHz: 13 Channels IEEE 802.11n HT20 2412 ~ 2472 MHz: 13 Channels IEEE 802.11n HT40 2422 ~ 2462 MHz: 9 Channels
Antenna and Gain	:	Internal Antenna with 1.00dBi 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
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: KDB 558074 D01 DTS Meas Guidance v03r05		

2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA
Registration No.: L5288
Date of registration: December 07, 2015

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

Certificated by Industry Canada
Registration No.: 9405A-1
Date of registration: December 30, 2015

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

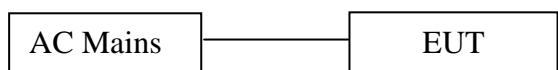
2.3. Assistant equipment used for test

2.3.1. Notebook

Manufacturer : DELL
M/N : Latitude E6420
Adapter : M/N: DA90PM111

2.4. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 or 1.5 meter high above ground. EUT was set into Wifi test mode by software before test.



(EUT: Avi-on Remote Access Bridge)

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 25,16	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	101260	June 25,16	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June 25,16	1 Year

2.7.2. For radiated emission test(9 kHz-30MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI	100435	June 25,16	1 Year
Loop Antenna	ETS-LINDGREN	6502	00071730	June 25,16	3 Year
RF Cable	MIYAZAKI	5D-2W	966 Chamber No.1	June 25,16	1 Year

2.7.3. For radiated emissions test (30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June 25,16	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	June 25,16	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June 28,15	3 Year
Signal Amplifier	Agilent	310N	187037	June 25,16	1 Year
RF Cable	MIYAZAKI	5D-2W	966 Chamber No.1	June 25,16	1 Year

2.7.4. 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	3 Year
Board-Band Horn Antenna	SCHWARZB ECK	BBHA 9170	9170-497	June 28,15	3 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	June 25,16	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June 25,16	1 Year
Spectrum Analyzer	Rohde &Schwarz	FSV	103173	June 25,16	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June 25,16	1 Year

3 POWER LINE CONDUCTED EMISSION TEST

3.1 Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.2 Test Procedure

The EUT was placed on a non-metallic table, 80 cm 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.

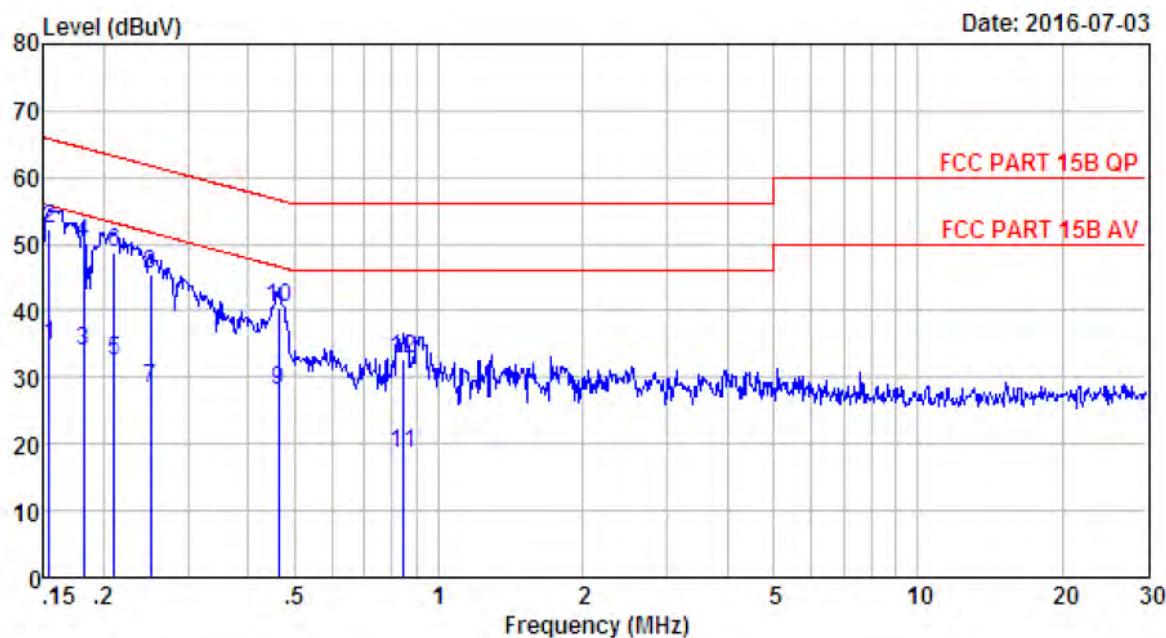
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

3.3. Test Result

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

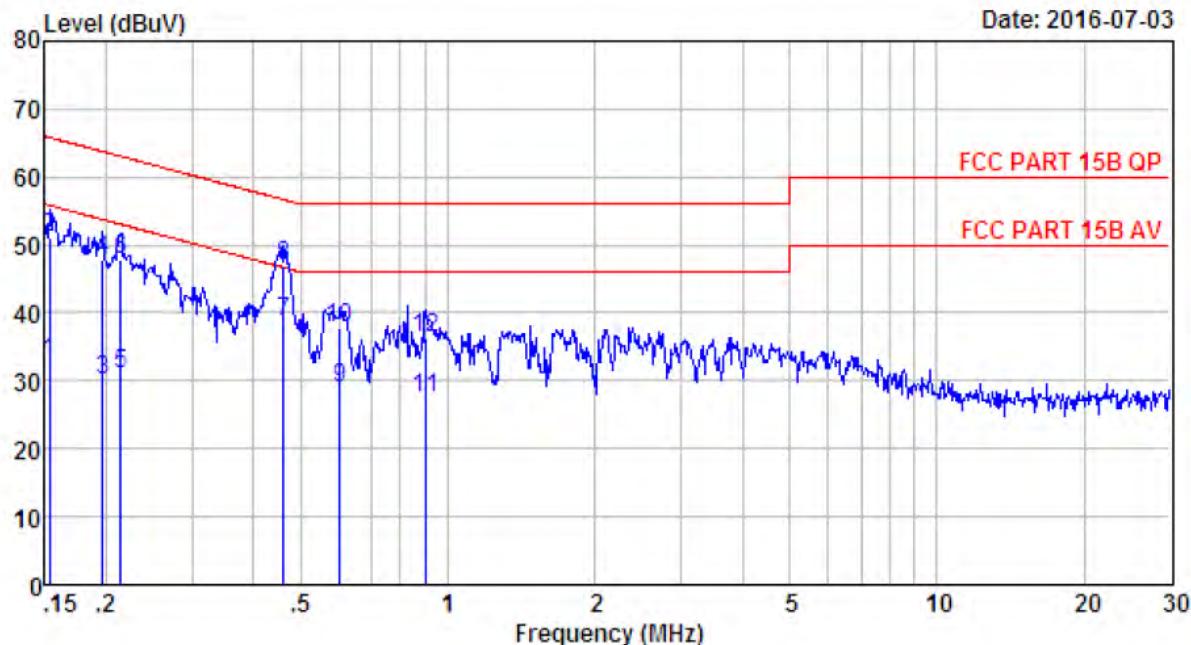
3.4. Test data



Site no : 844 Shield Room Data no. : 170
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : TX Mode

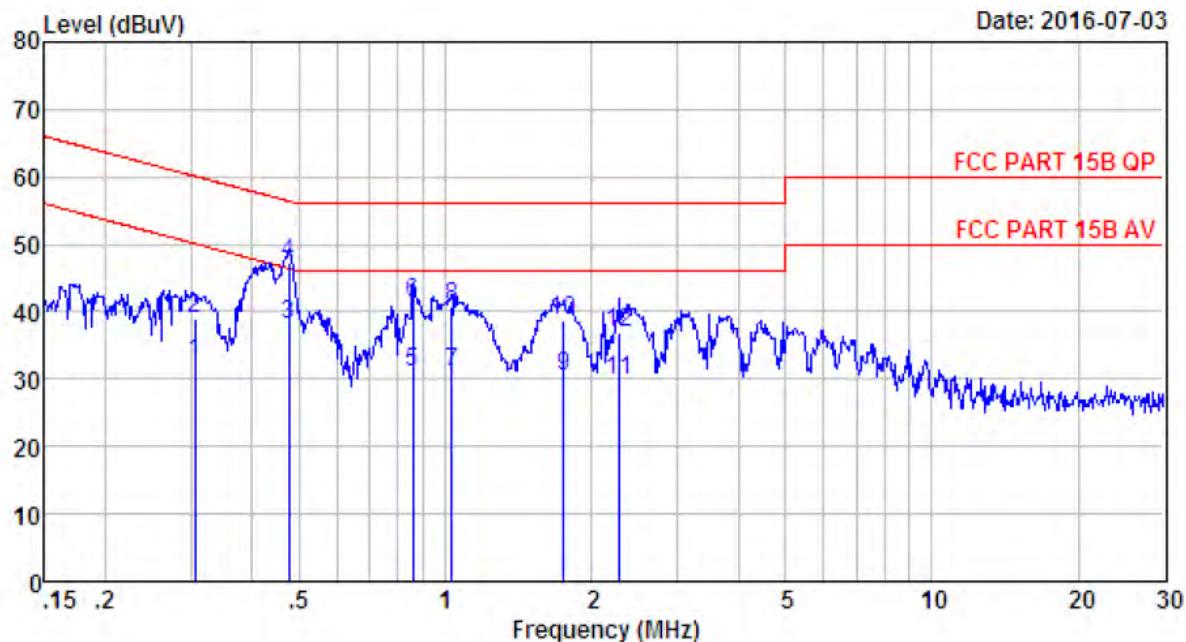
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	9.47	9.81	15.63	34.91	55.78	20.87	Average
2	0.15	9.47	9.81	33.00	52.28	65.78	13.50	Peak
3	0.18	9.55	9.80	14.68	34.03	54.42	20.39	Average
4	0.18	9.55	9.80	30.96	50.31	64.42	14.11	QP
5	0.21	9.60	9.80	13.21	32.61	53.18	20.57	Average
6	0.21	9.60	9.80	29.32	48.72	63.18	14.46	QP
7	0.25	9.60	9.82	8.98	28.40	51.73	23.33	Average
8	0.25	9.60	9.82	26.02	45.44	61.73	16.29	Peak
9	0.46	9.59	9.81	8.54	27.94	46.63	18.69	Average
10	0.46	9.59	9.81	20.93	40.33	56.63	16.30	QP
11	0.84	9.62	9.82	-0.72	18.72	46.00	27.28	Average
12	0.84	9.62	9.82	13.27	32.71	56.00	23.29	QP

Date: 2016-07-03



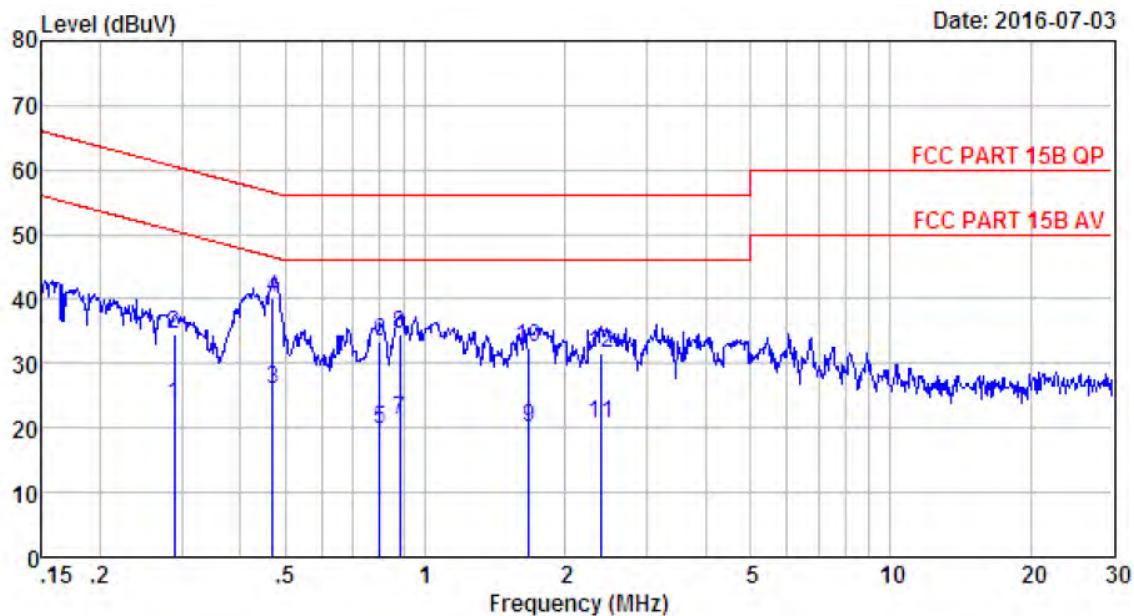
Site no : 844 Shield Room Data no. : 172
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	9.61	9.81	32.71	55.82	23.11	Average
2	0.15	9.61	9.81	31.66	65.82	14.74	QP
3	0.20	9.61	9.80	10.67	53.76	23.68	Average
4	0.20	9.61	9.80	28.56	63.76	15.79	QP
5	0.21	9.61	9.80	11.44	53.05	22.20	Average
6	0.21	9.61	9.80	28.37	63.05	15.27	QP
7	0.46	9.61	9.81	19.16	46.67	8.09	Average
8	0.46	9.61	9.81	27.41	56.67	9.84	QP
9	0.60	9.60	9.82	9.61	46.00	16.97	Average
10	0.60	9.60	9.82	18.33	56.00	18.25	QP
11	0.90	9.63	9.82	8.11	46.00	18.44	Average
12	0.90	9.63	9.82	16.98	56.00	19.57	QP



Site no : 844 Shield Room Data no. : 174
 Env. / Ins. : Temp:25.3'C Humi:58% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 240V/60Hz
 M/N : 2001RAB
 Test Mode : TX Mode

	LISN	Cable	Emission				
Freq. (MHz)	Factor (dB)	Loss (dB)	Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.31	9.61	9.83	13.09	32.53	50.10	Average
2	0.31	9.61	9.83	19.56	39.00	60.10	QP
3	0.48	9.61	9.81	18.64	38.06	46.41	Average
4	0.48	9.61	9.81	27.77	47.19	56.41	QP
5	0.86	9.62	9.82	11.58	31.02	46.00	Average
6	0.86	9.62	9.82	21.96	41.40	56.00	QP
7	1.03	9.64	9.85	11.40	30.89	46.00	Average
8	1.03	9.64	9.85	21.15	40.64	56.00	QP
9	1.75	9.62	9.82	10.85	30.29	46.00	Average
10	1.75	9.62	9.82	19.21	38.65	56.00	QP
11	2.27	9.62	9.84	10.36	29.82	46.00	Average
12	2.27	9.62	9.84	17.47	36.93	56.00	QP



Site no : 844 Shield Room Data no. : 176
 Env. / Ins. : Temp:25.3°C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 240V/60Hz
 M/N : 2001RAB
 Test Mode : TX Mode

Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission				Remark
			Reading (dBuV)	Level (dBuV)	Limits (dBuV)	Margin (dB)	
1	0.29	9.60	9.83	4.04	23.47	50.54	Average
2	0.29	9.60	9.83	14.98	34.41	60.54	QP
3	0.47	9.59	9.81	6.71	26.11	46.49	Average
4	0.47	9.59	9.81	20.61	40.01	56.49	QP
5	0.80	9.62	9.81	0.27	19.70	46.00	Average
6	0.80	9.62	9.81	13.91	33.34	56.00	QP
7	0.88	9.62	9.82	1.73	21.17	46.00	Average
8	0.88	9.62	9.82	15.18	34.62	56.00	QP
9	1.67	9.62	9.83	0.59	20.04	46.00	Average
10	1.67	9.62	9.83	12.98	32.43	56.00	QP
11	2.38	9.63	9.83	1.16	20.62	46.00	Average
12	2.38	9.63	9.83	12.22	31.68	56.00	QP

4 RADIATED EMISSION TEST

4.1 Limit

4.1.1 15.209 limits

Frequency (MHz)	Field strength (μ V/m)	Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

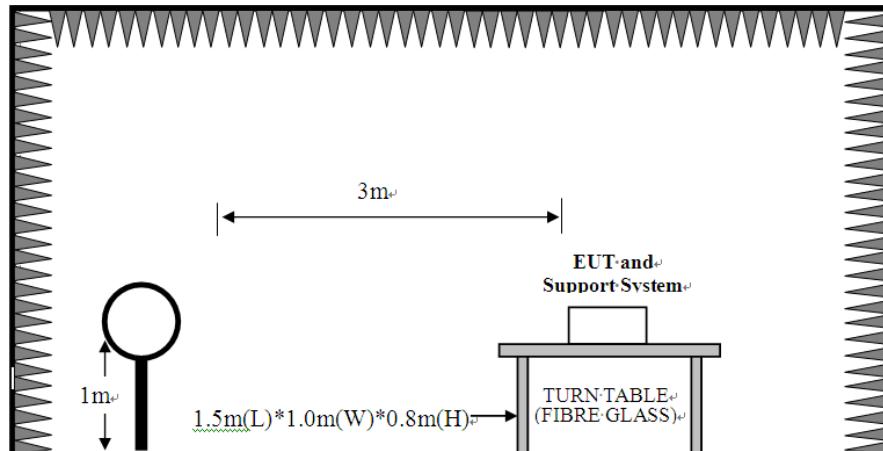
4.1.2 15.205 Restricted bands of operation

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)

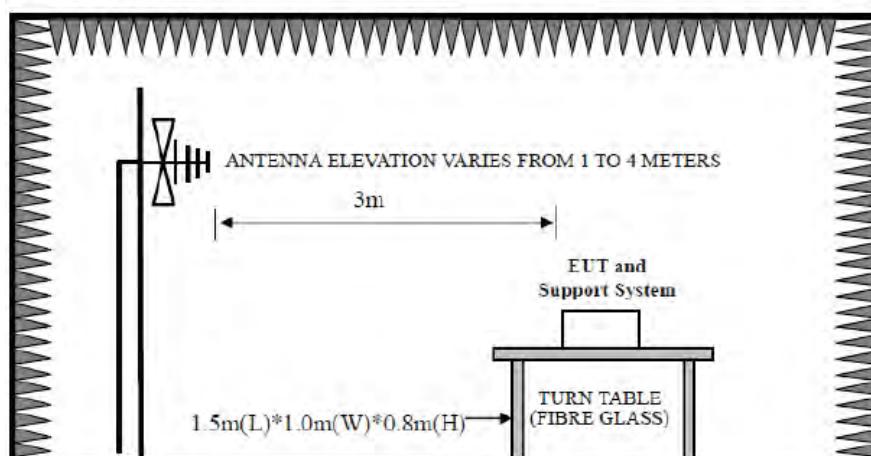
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.2. Block Diagram of Test setup

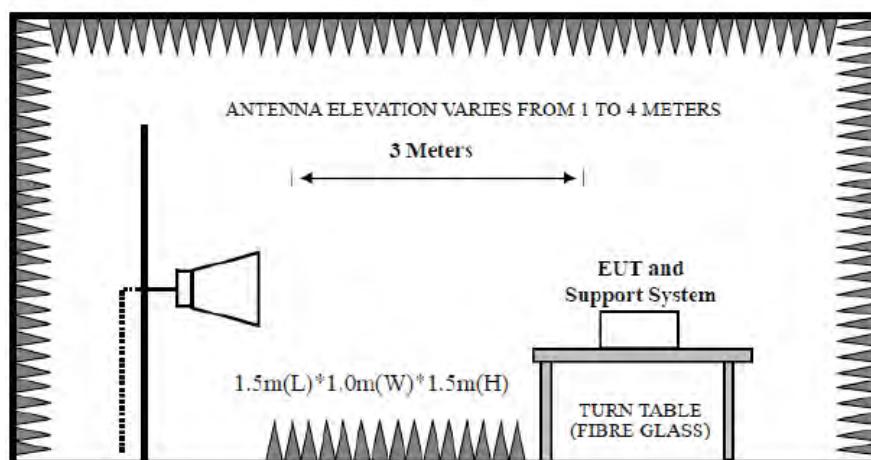
9kHz~30MHz



30~1000MHz



Above 1GHz



4.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 9kHz~1000MHz test, and which is 1.5 meter high above ground for above 1GHz test. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it work 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. Both horizontal and vertical polarization of the antenna are set on test.

The test frequency analyzer system was set to Peak Detect (300Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

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

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

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.

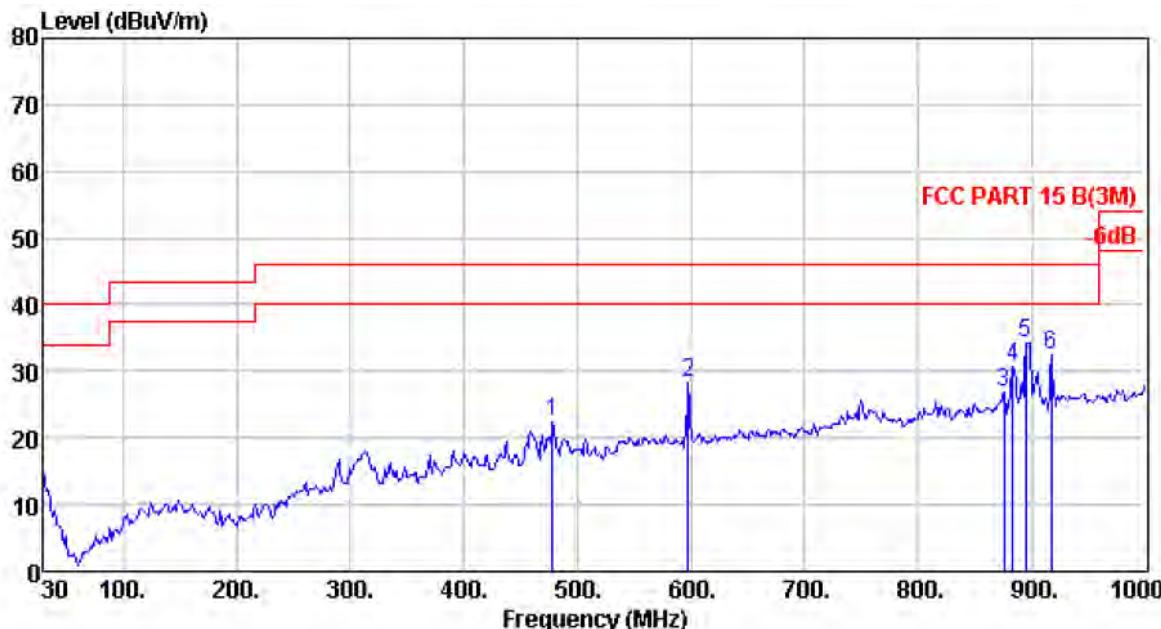
4.5. Test Data

9 kHz – 30 MHz

Pass

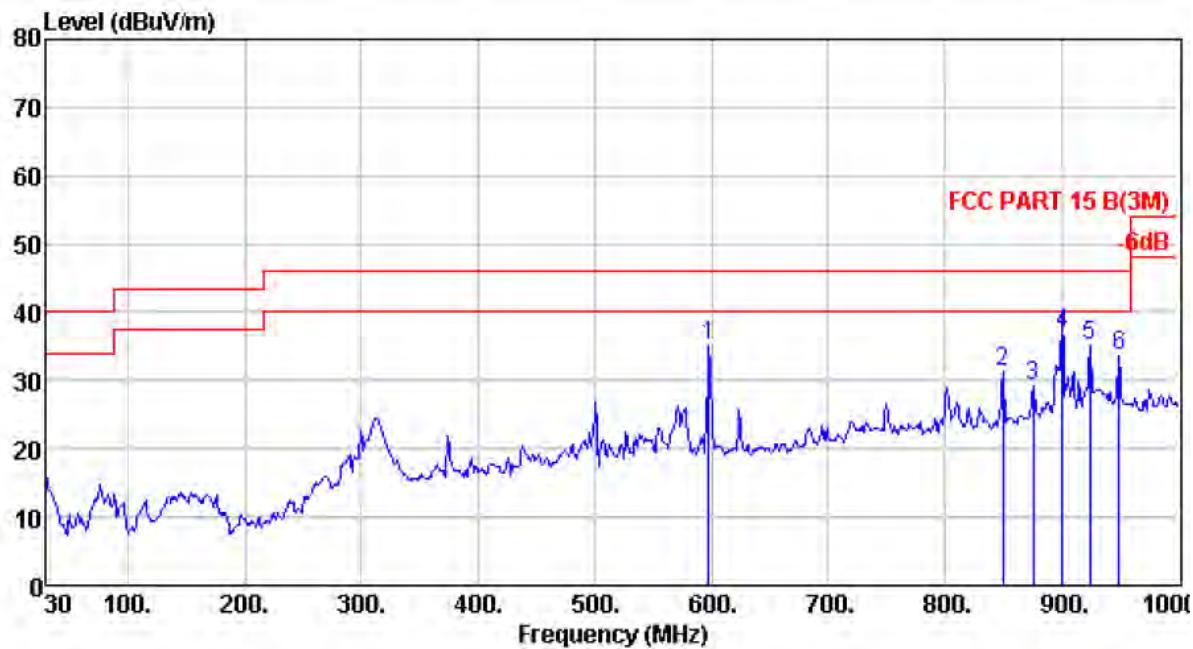
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

30-1000 MHz



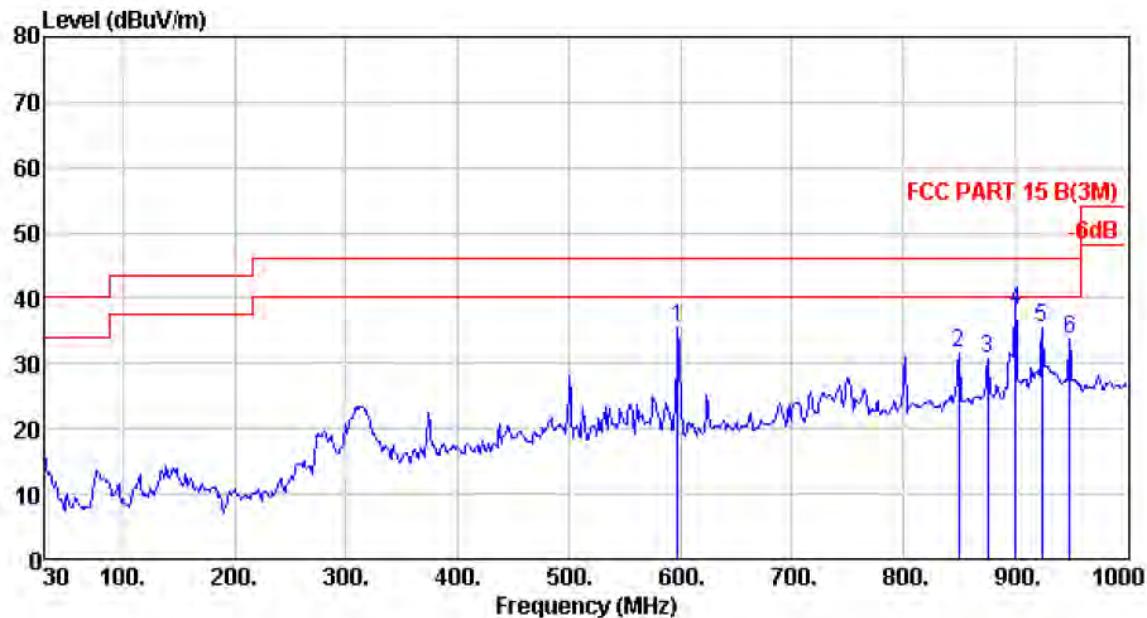
Site no. : 966 1# chamber Data no. : 297
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

	ANT	Cable	Emission				Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 478.14	17.40	3.07	1.91	22.38	46.00	23.62	QP
2 597.45	19.55	3.39	5.32	28.26	46.00	17.74	QP
3 875.84	22.72	3.94	0.15	26.81	46.00	19.19	QP
4 883.60	22.72	3.99	3.87	30.58	46.00	15.42	QP
5 895.24	23.05	4.07	7.15	34.27	46.00	11.73	QP
6 917.55	23.84	4.38	4.38	32.60	46.00	13.40	QP



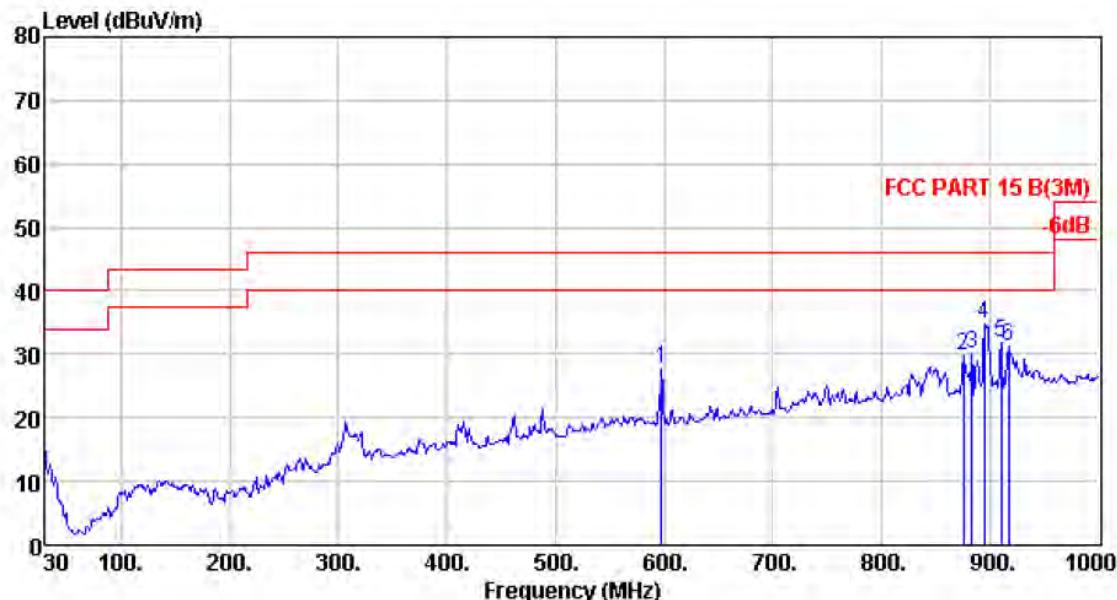
Site no. : 966 1# chamber Data no. : 298
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.31	35.25	46.00	10.75	QP
2 849.65	22.95	3.73	4.48	31.16	46.00	14.84	QP
3 875.84	22.72	3.94	2.64	29.30	46.00	16.70	QP
4 901.06	23.28	4.16	9.40	36.84	46.00	9.16	QP
5 924.34	24.13	4.50	6.43	35.06	46.00	10.94	QP
6 949.56	24.54	4.63	4.47	33.64	46.00	12.36	QP



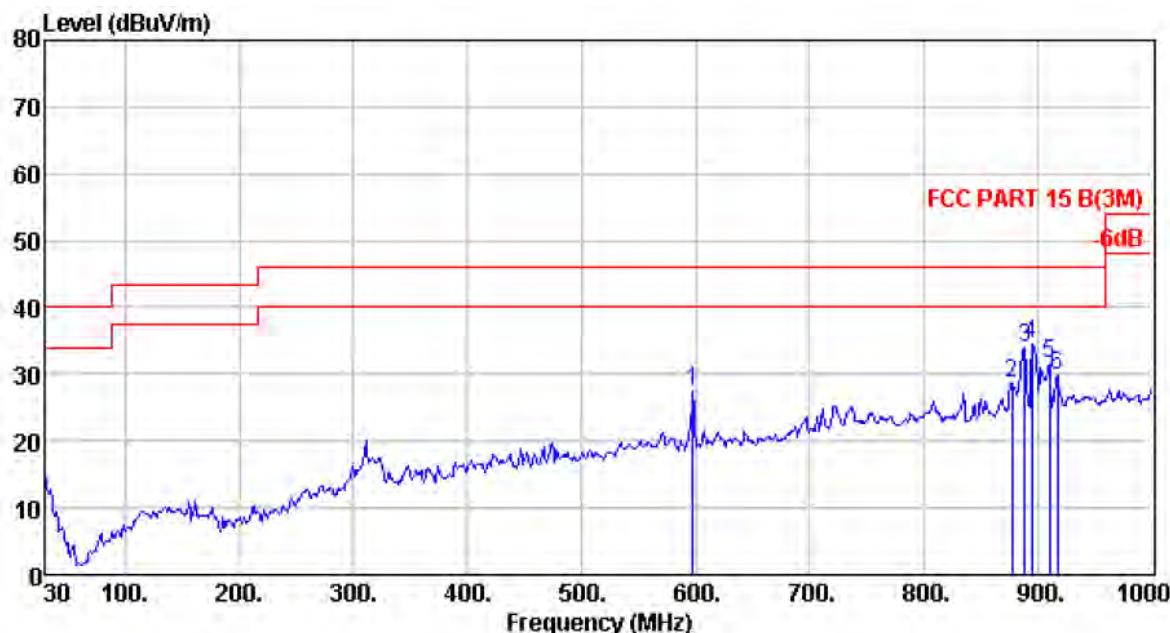
Site no. : 966 1# chamber Data no. : 299
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH7 2442TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.43	35.37	46.00	10.63	QP
2 849.65	22.95	3.73	5.00	31.68	46.00	14.32	QP
3 875.84	22.72	3.94	4.10	30.76	46.00	15.24	QP
4 901.06	23.28	4.16	10.66	38.10	46.00	7.90	QP
5 924.34	24.13	4.50	6.74	35.37	46.00	10.63	QP
6 949.56	24.54	4.63	4.38	33.55	46.00	12.45	QP



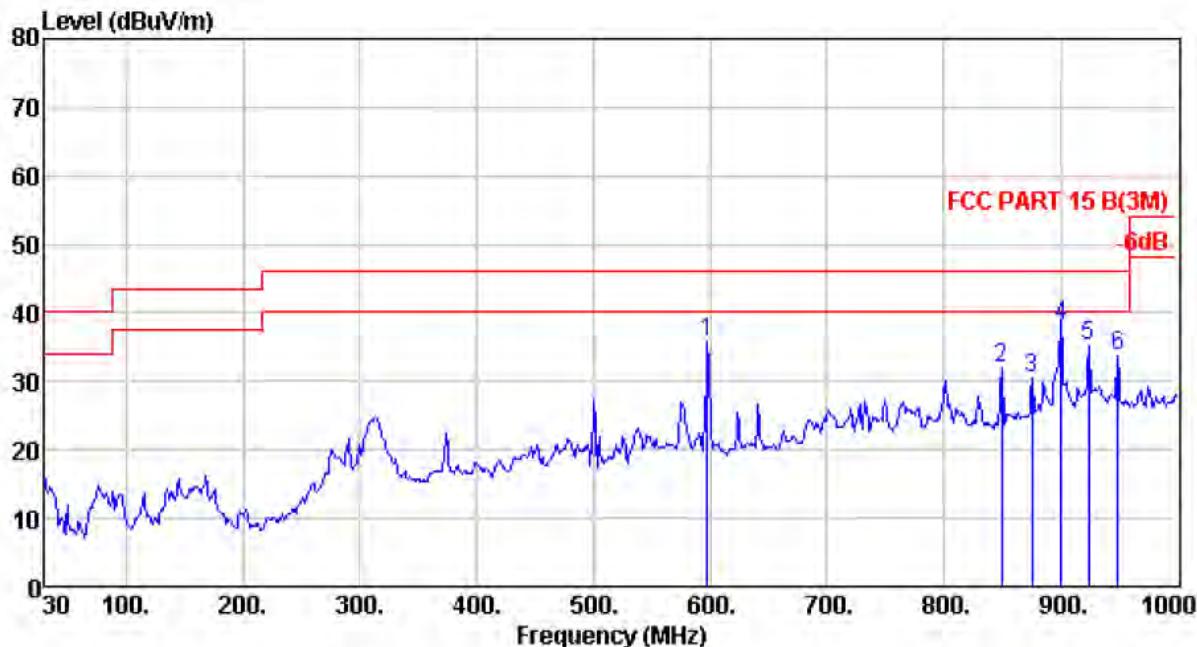
Site no. : 966 1# chamber Data no. : 300
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humid:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH7 2442TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	4.75	27.69	46.00	18.31	QP
2 875.84	22.72	3.94	3.13	29.79	46.00	16.21	QP
3 883.60	22.72	3.99	3.54	30.25	46.00	15.75	QP
4 895.24	23.05	4.07	7.66	34.78	46.00	11.22	QP
5 910.76	23.58	4.12	4.07	31.77	46.00	14.23	QP
6 917.55	23.84	4.38	3.14	31.36	46.00	14.64	QP



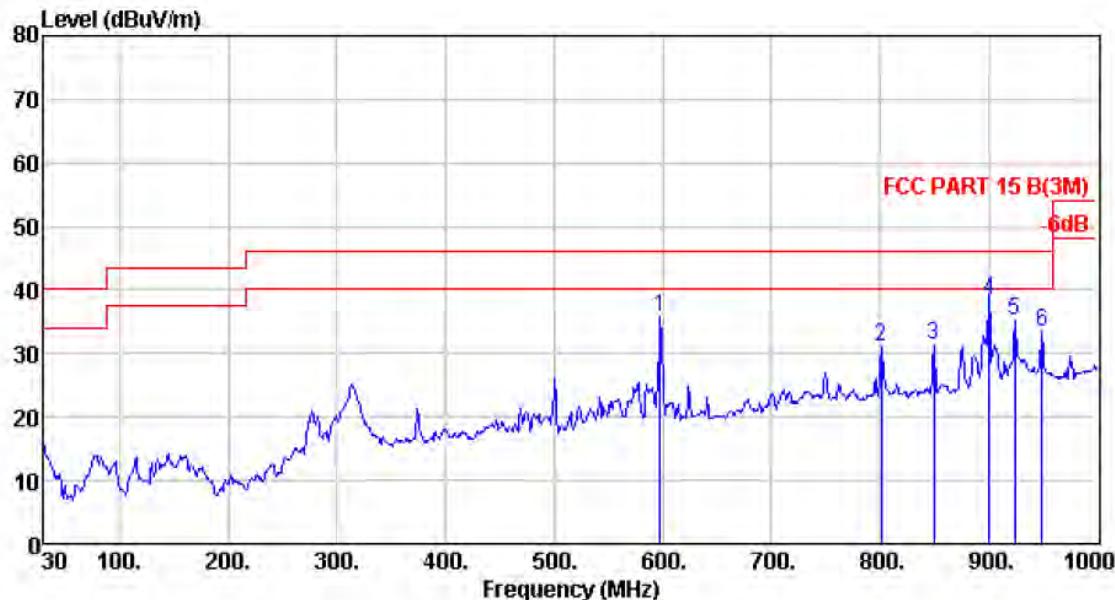
Site no. : 966 1# chamber Data no. : 301
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : Temp:23.6';Humid:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	4.63	27.57	46.00	18.43	QP
2 877.78	22.68	3.99	2.05	28.72	46.00	17.28	QP
3 888.45	22.81	3.94	7.10	33.85	46.00	12.15	QP
4 895.24	23.05	4.07	7.51	34.63	46.00	11.37	QP
5 910.76	23.58	4.12	4.03	31.73	46.00	14.27	QP
6 917.55	23.84	4.38	1.74	29.96	46.00	16.04	QP



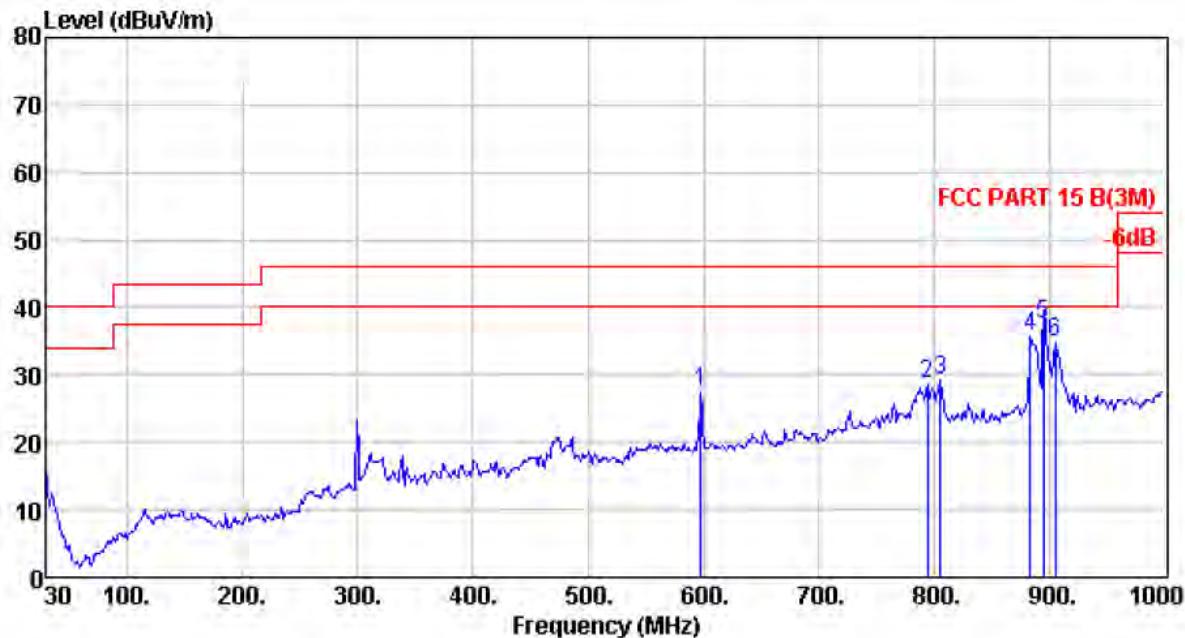
Site no. : 966 1# chamber Data no. : 302
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

	ANT	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	12.67	35.61	46.00	10.39	QP
2 849.65	22.95	3.73	5.26	31.94	46.00	14.06	QP
3 875.84	22.72	3.94	3.85	30.51	46.00	15.49	QP
4 901.06	23.28	4.16	10.65	38.09	46.00	7.91	QP
5 924.34	24.13	4.50	6.40	35.03	46.00	10.97	QP
6 949.56	24.54	4.63	4.53	33.70	46.00	12.30	QP



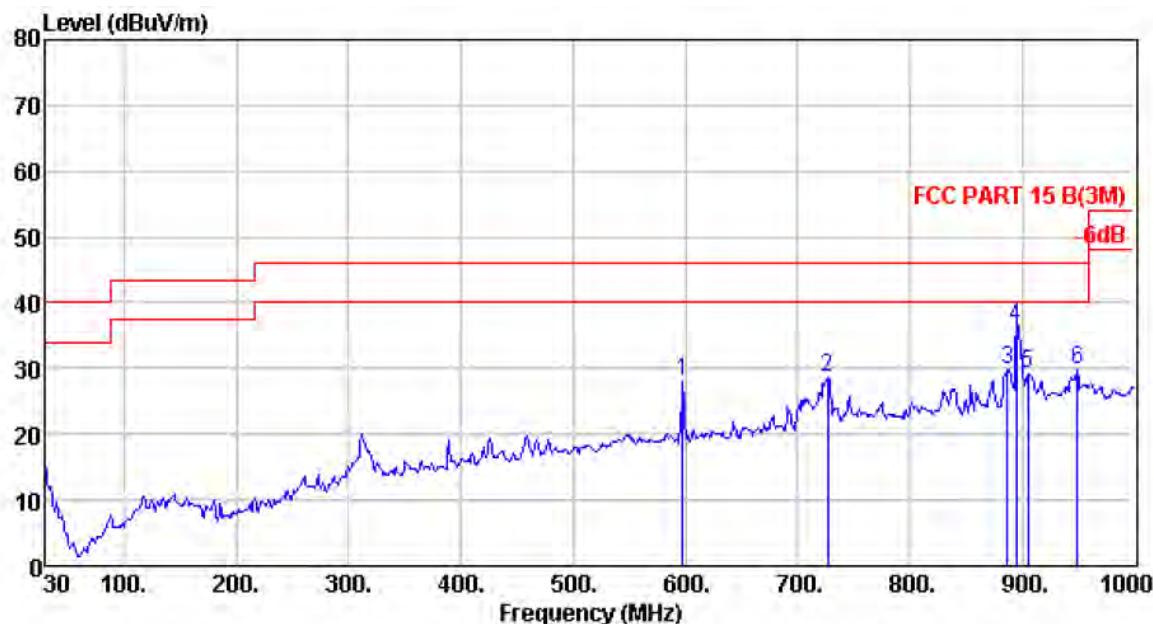
Site no. : 966 1# chamber Data no. : 303
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.83	35.77	46.00	10.23	QP
2 801.15	22.07	3.83	5.24	31.14	46.00	14.86	QP
3 849.65	22.95	3.73	4.57	31.25	46.00	14.75	QP
4 901.06	23.28	4.16	10.92	38.36	46.00	7.64	QP
5 924.34	24.13	4.50	6.45	35.08	46.00	10.92	QP
6 949.56	24.54	4.63	4.05	33.22	46.00	12.78	QP



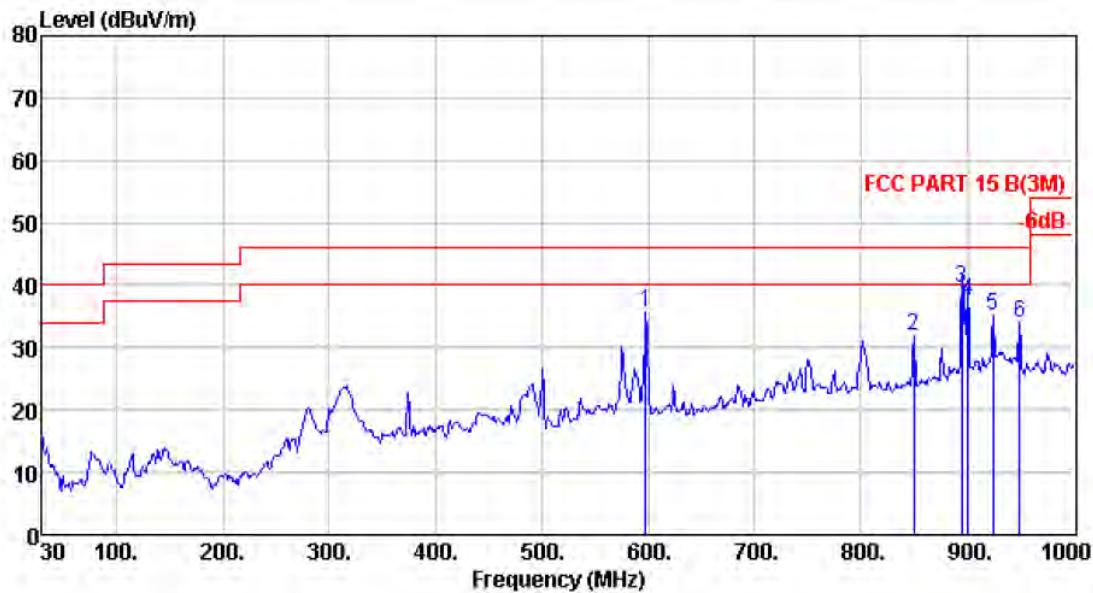
Site no. : 966 1# chamber Data no. : 304
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				Remark
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	4.52	27.46	46.00	18.54	QP
2 794.36	22.04	3.89	2.71	28.64	46.00	17.36	QP
3 806.00	22.24	3.84	3.08	29.16	46.00	16.84	QP
4 883.60	22.72	3.99	8.88	35.59	46.00	10.41	QP
5 895.24	23.05	4.07	10.35	37.47	46.00	8.53	QP
6 904.94	23.40	4.10	7.37	34.87	46.00	11.13	QP



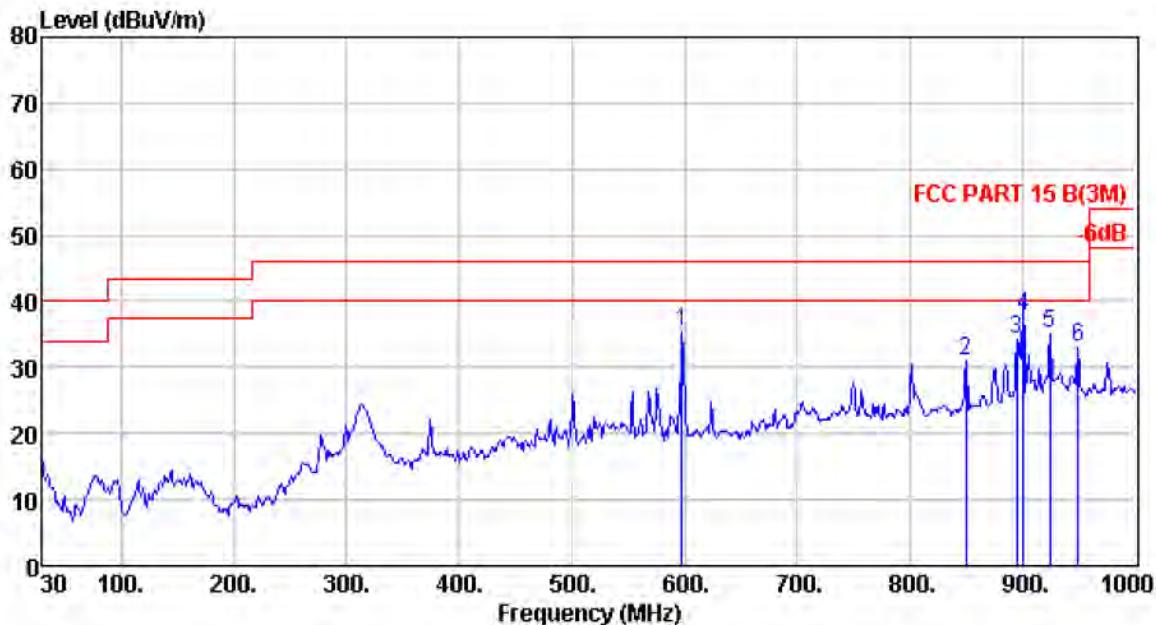
Site no. : 966 1# chamber Data no. : 305
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH7 2442TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	5.03	27.97	46.00	18.03	QP
2 726.46	21.91	3.74	2.84	28.49	46.00	17.51	QP
3 887.48	22.80	3.98	2.97	29.75	46.00	16.25	QP
4 895.24	23.05	4.07	9.32	36.44	46.00	9.56	QP
5 904.94	23.40	4.10	1.85	29.35	46.00	16.65	QP
6 949.56	24.54	4.63	0.63	29.80	46.00	16.20	QP



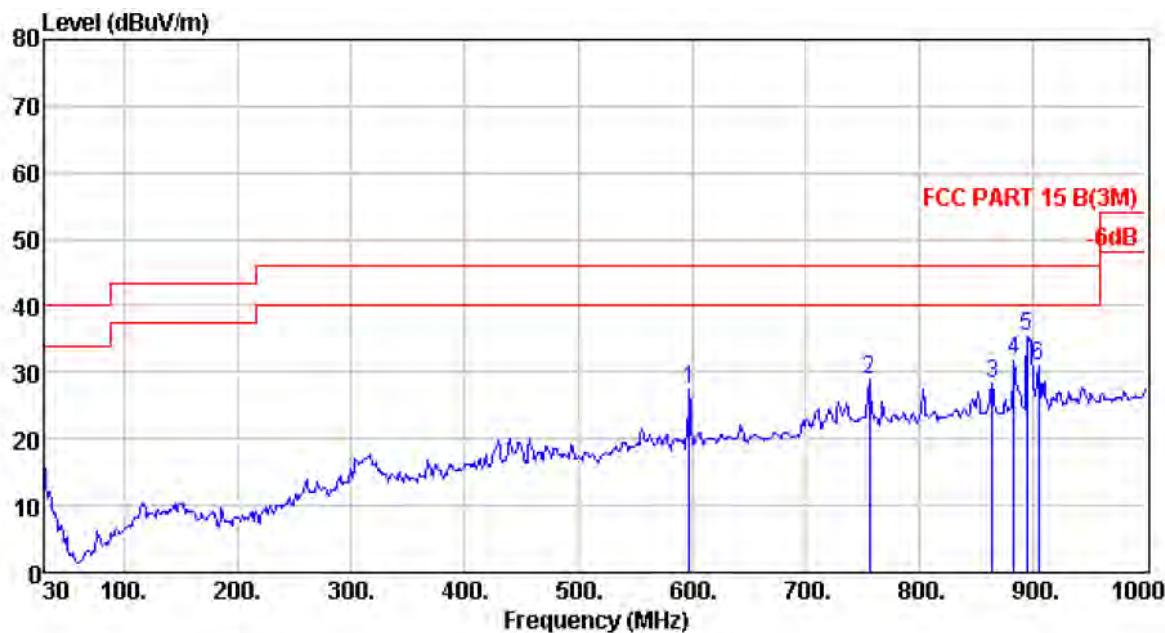
Site no. : 966 1# chamber Data no. : 306
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH7 2442TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Margin (dB)	Remark
				Level (dBuV/m)	Limit (dBuV/m)			
1 597.45	19.55	3.39	12.84	35.78	46.00	10.22	QP	
2 849.65	22.95	3.73	5.06	31.74	46.00	14.26	QP	
3 895.24	23.05	4.07	12.43	39.55	46.00	6.45	QP	
4 901.06	23.28	4.16	10.12	37.56	46.00	8.44	QP	
5 924.34	24.13	4.50	6.60	35.23	46.00	10.77	QP	
6 949.56	24.54	4.63	4.83	34.00	46.00	12.00	QP	



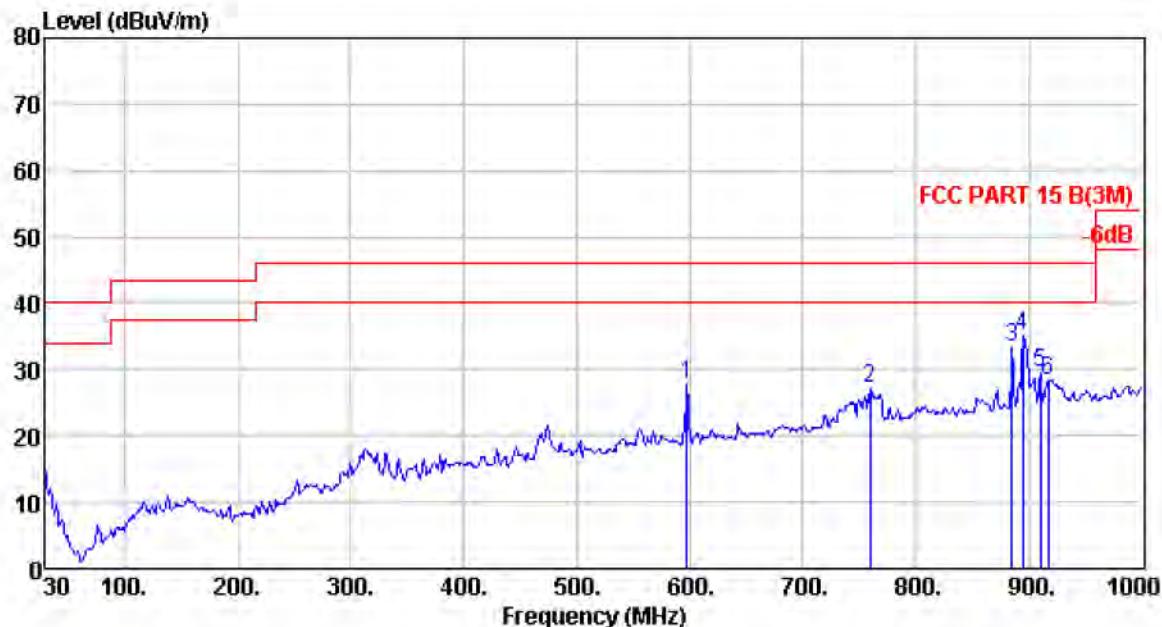
Site no. : 966 1# chamber Data no. : 307
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	12.51	35.45	46.00	10.55	QP
2 849.65	22.95	3.73	4.27	30.95	46.00	15.05	QP
3 895.24	23.05	4.07	7.24	34.36	46.00	11.64	QP
4 901.06	23.28	4.16	10.30	37.74	46.00	8.26	QP
5 924.34	24.13	4.50	6.37	35.00	46.00	11.00	QP
6 949.56	24.54	4.63	3.99	33.16	46.00	12.84	QP



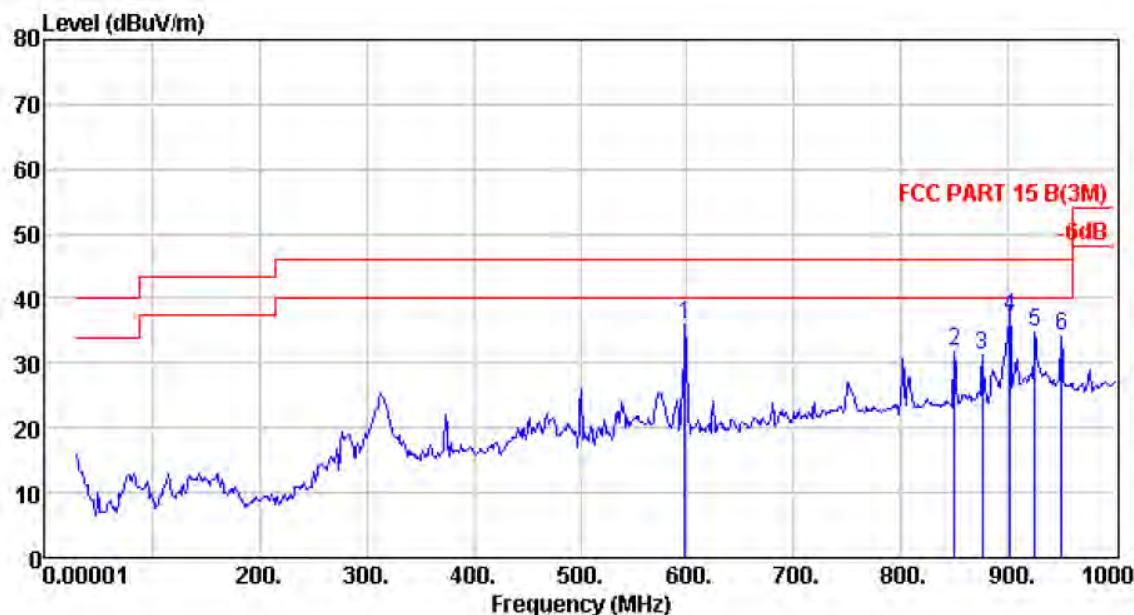
Site no. : 966 1# chamber Data no. : 308
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	4.52	27.46	46.00	18.54	QP
2 756.53	22.09	3.82	2.94	28.85	46.00	17.15	QP
3 864.20	22.90	3.78	1.71	28.39	46.00	17.61	QP
4 883.60	22.72	3.99	5.26	31.97	46.00	14.03	QP
5 895.24	23.05	4.07	8.19	35.31	46.00	10.69	QP
6 904.94	23.40	4.10	3.45	30.95	46.00	15.05	QP



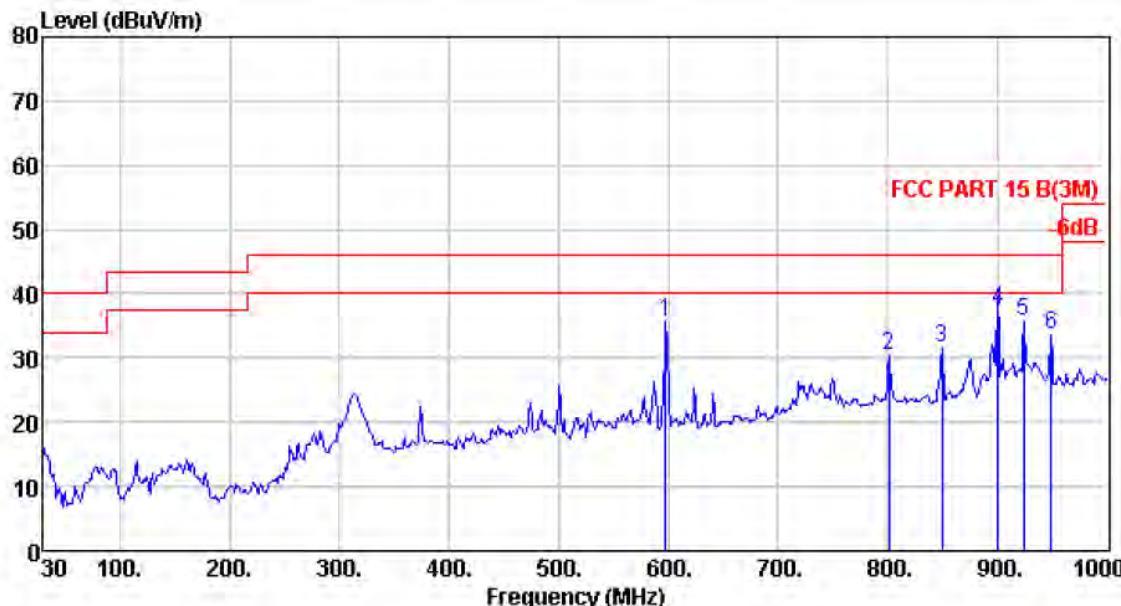
Site no. : 966 1# chamber Data no. : 309
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	4.78	27.72	46.00	18.28	QP
2 759.44	22.04	3.91	1.34	27.29	46.00	18.71	QP
3 885.54	22.76	3.78	6.93	33.47	46.00	12.53	QP
4 895.24	23.05	4.07	8.10	35.22	46.00	10.78	QP
5 910.76	23.58	4.12	1.78	29.48	46.00	16.52	QP
6 917.55	23.84	4.38	0.22	28.44	46.00	17.56	QP



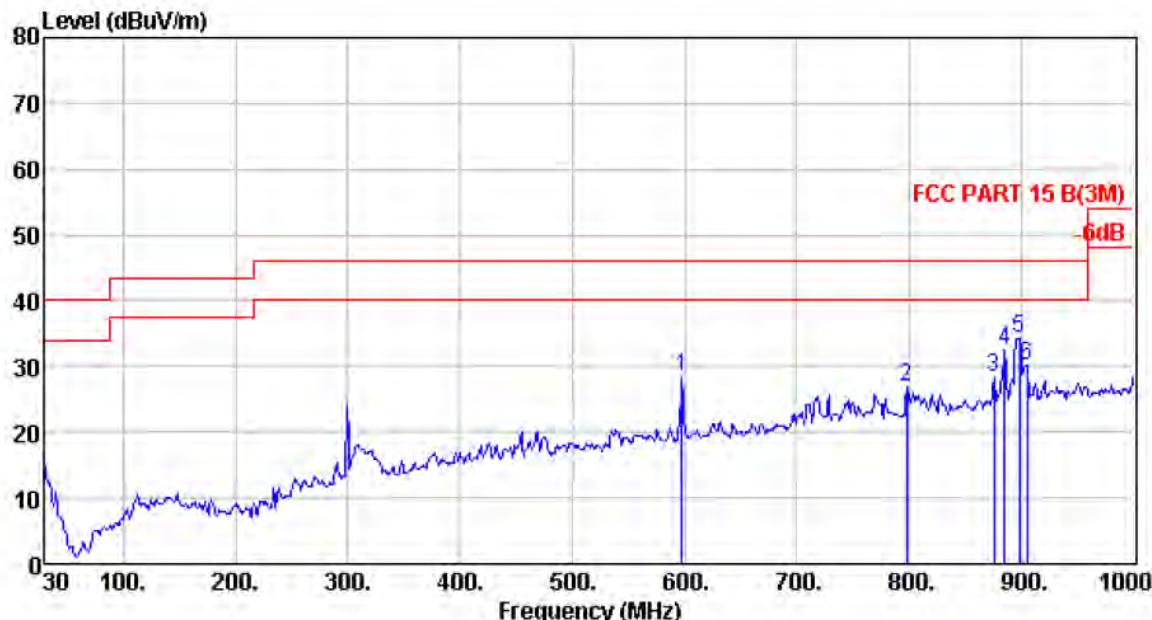
Site no. : 966 1# chamber Data no. : 310
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humid:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	13.10	36.04	46.00	9.96	QP
2 849.65	22.95	3.73	5.11	31.79	46.00	14.21	QP
3 875.84	22.72	3.94	4.50	31.16	46.00	14.84	QP
4 901.06	23.28	4.16	9.61	37.05	46.00	8.95	QP
5 924.34	24.13	4.50	6.28	34.91	46.00	11.09	QP
6 949.56	24.54	4.63	4.96	34.13	46.00	11.87	QP



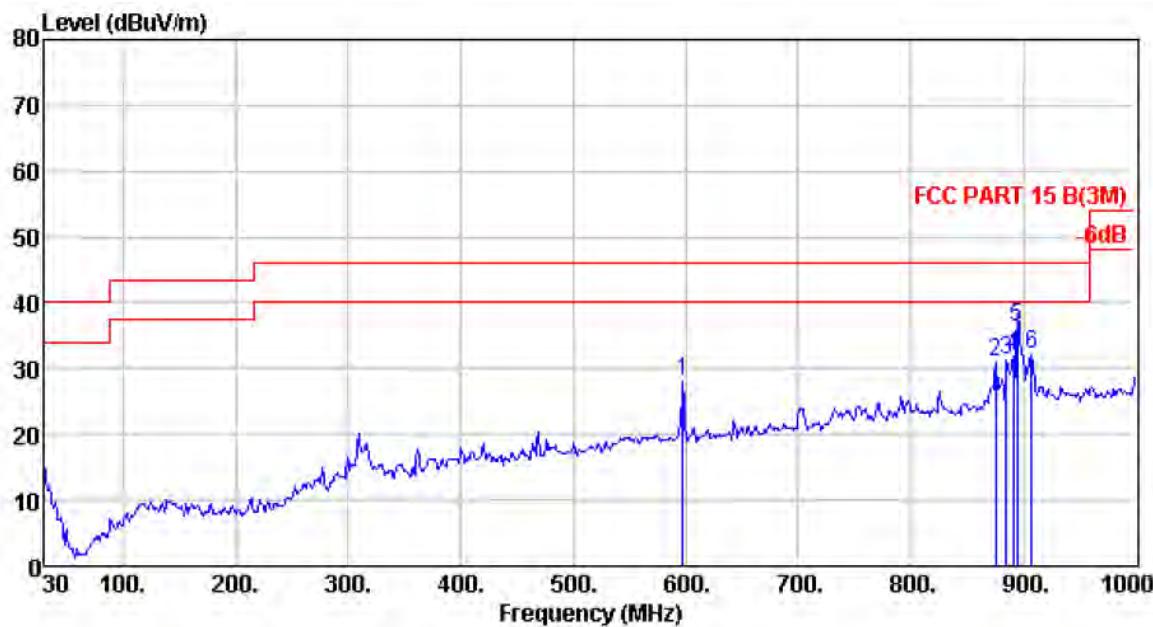
Site no. : 966 1# chamber Data no. : 311
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH7 2442TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				Remark
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.73	35.67	46.00	10.33	QP
2 801.15	22.07	3.83	4.57	30.47	46.00	15.53	QP
3 849.65	22.95	3.73	4.79	31.47	46.00	14.53	QP
4 901.06	23.28	4.16	10.00	37.44	46.00	8.56	QP
5 924.34	24.13	4.50	6.98	35.61	46.00	10.39	QP
6 949.56	24.54	4.63	4.38	33.55	46.00	12.45	QP



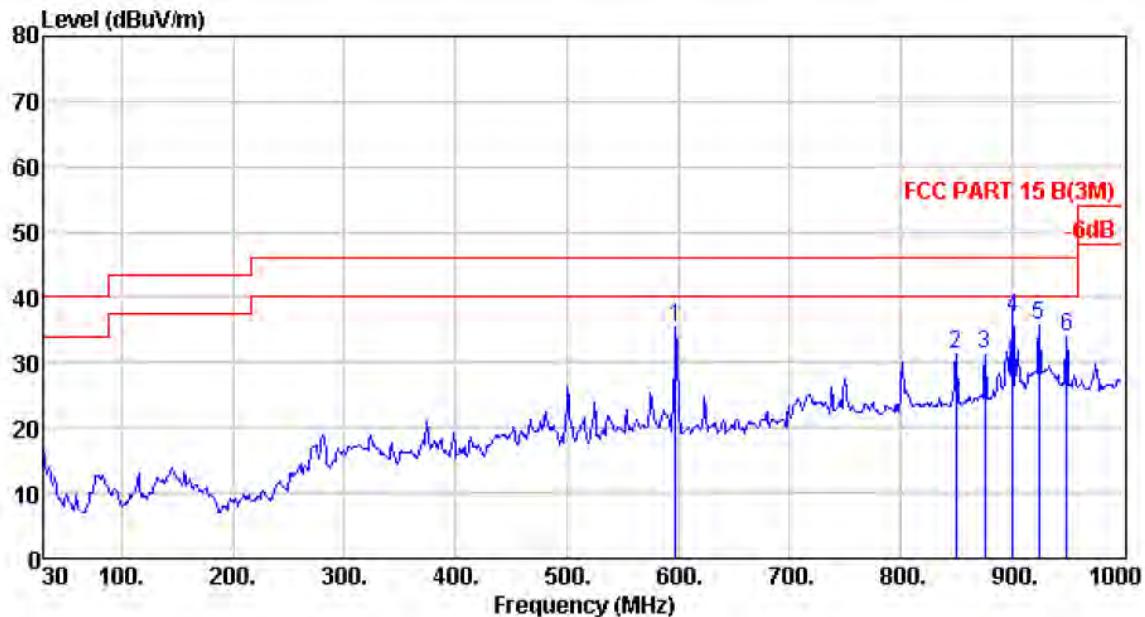
Site no. : 966 1# chamber Data no. : 312
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH7 2442TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	5.30	28.24	46.00	17.76	QP
2 798.24	22.03	3.92	1.00	26.95	46.00	19.05	QP
3 875.84	22.72	3.94	1.78	28.44	46.00	17.56	QP
4 885.54	22.76	3.78	5.82	32.36	46.00	13.64	QP
5 898.15	23.17	4.12	7.03	34.32	46.00	11.68	QP
6 904.94	23.40	4.10	2.63	30.13	46.00	15.87	QP



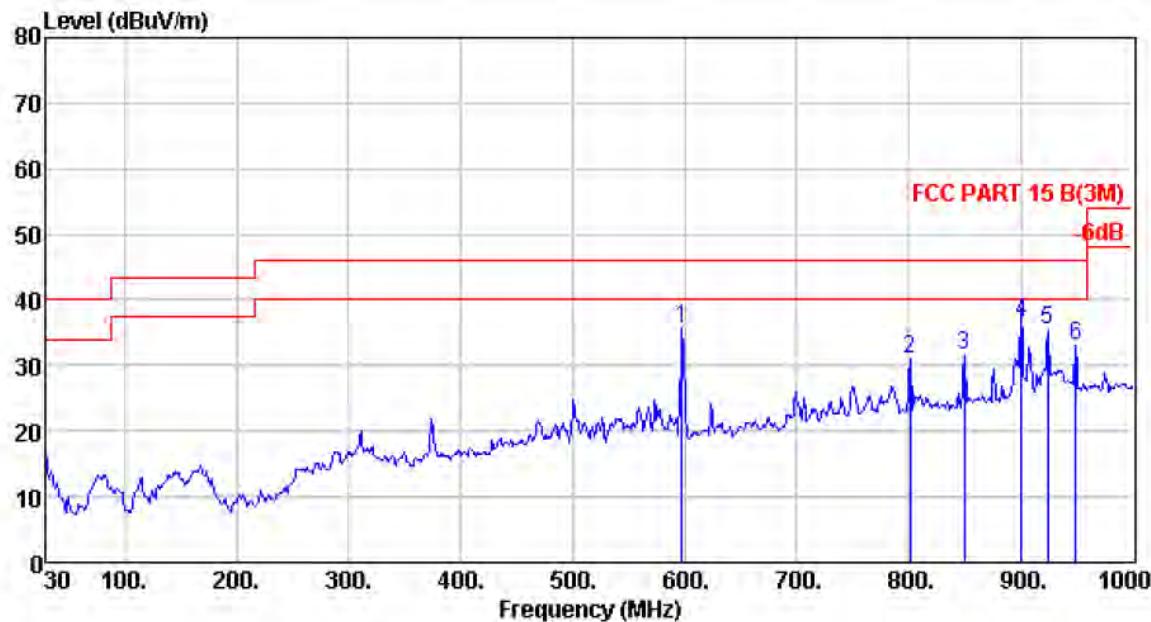
Site no. : 966 1# chamber Data no. : 313
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humid:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				Remark
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	5.14	28.08	46.00	17.92	QP
2 875.84	22.72	3.94	4.31	30.97	46.00	15.03	QP
3 885.54	22.76	3.78	4.82	31.36	46.00	14.64	QP
4 891.36	22.89	3.91	5.13	31.93	46.00	14.07	QP
5 895.24	23.05	4.07	9.19	36.31	46.00	9.69	QP
6 907.85	23.48	4.08	4.69	32.25	46.00	13.75	QP



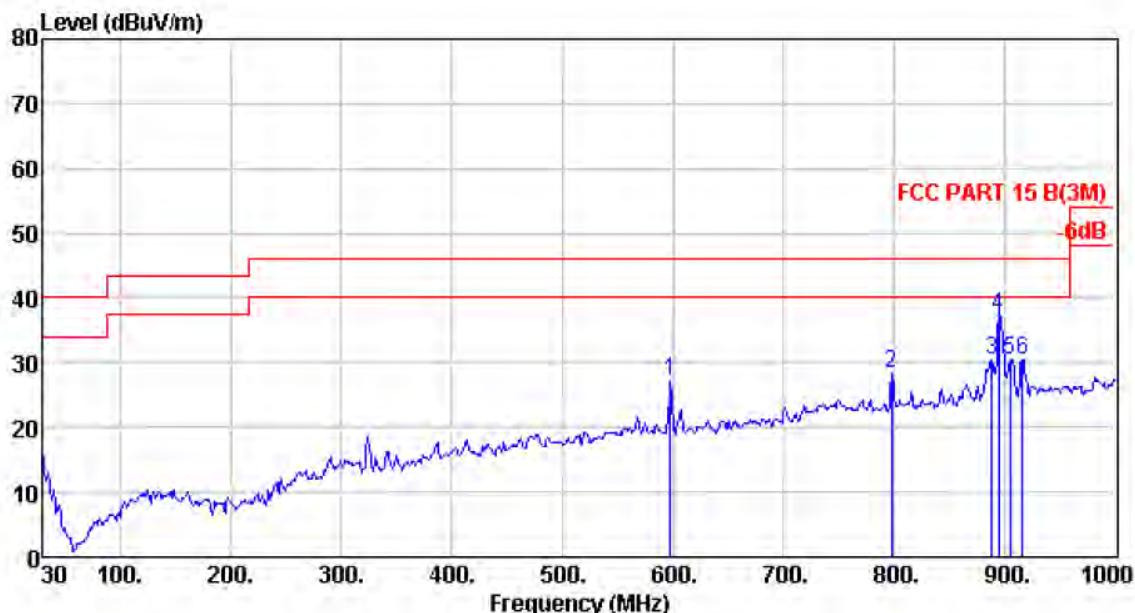
Site no. : 966 1# chamber Data no. : 314
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.44	35.38	46.00	10.62	QP
2 849.65	22.95	3.73	4.69	31.37	46.00	14.63	QP
3 875.84	22.72	3.94	4.65	31.31	46.00	14.69	QP
4 901.06	23.28	4.16	9.36	36.80	46.00	9.20	QP
5 924.34	24.13	4.50	7.08	35.71	46.00	10.29	QP
6 949.56	24.54	4.63	4.85	34.02	46.00	11.98	QP



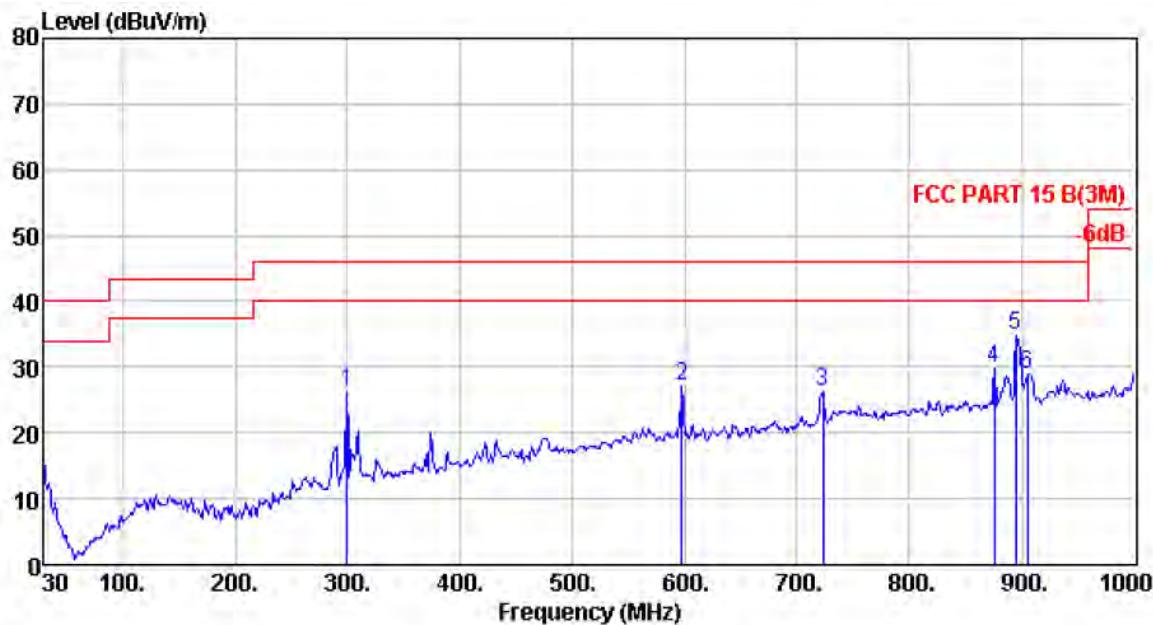
Site no. : 966 1# chamber Data no. : 315
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	12.91	35.85	46.00	10.15	QP
2 801.15	22.07	3.83	4.96	30.86	46.00	15.14	QP
3 849.65	22.95	3.73	4.85	31.53	46.00	14.47	QP
4 901.06	23.28	4.16	9.18	36.62	46.00	9.38	QP
5 924.34	24.13	4.50	6.75	35.38	46.00	10.62	QP
6 949.56	24.54	4.63	3.95	33.12	46.00	12.88	QP



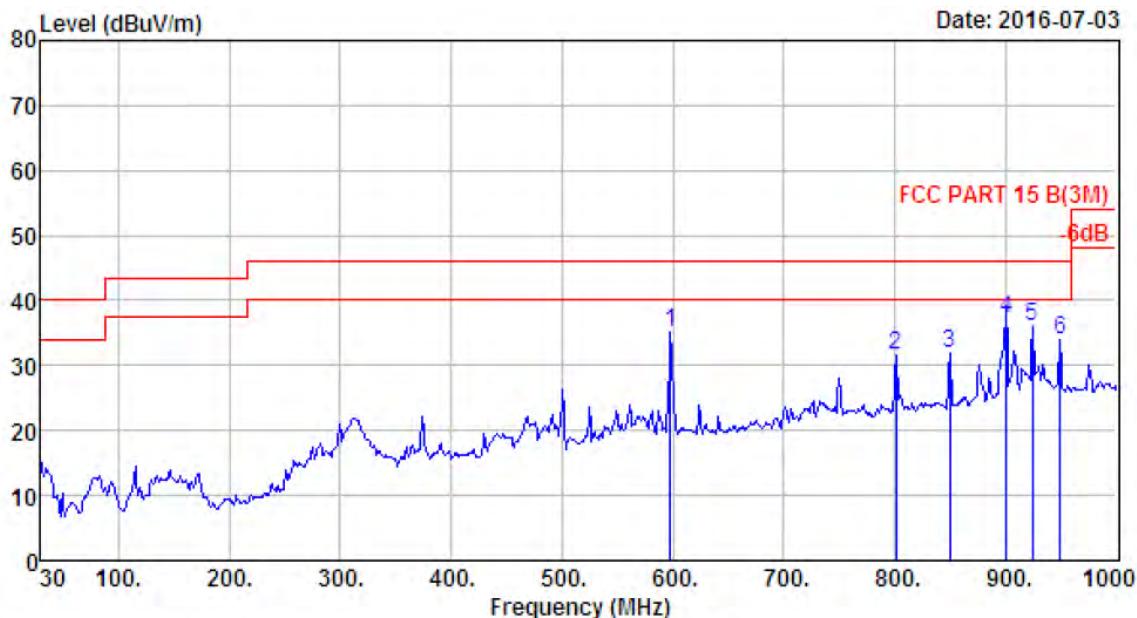
Site no. : 966 1# chamber Data no. : 316
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humid:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

Freq. (MHz)	ANT	Cable	Emission				Remark
	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	4.08	27.02	46.00	18.98	QP
2 798.24	22.03	3.92	2.35	28.30	46.00	17.70	QP
3 888.45	22.81	3.94	3.54	30.29	46.00	15.71	QP
4 895.24	23.05	4.07	10.02	37.14	46.00	8.86	QP
5 904.94	23.40	4.10	3.01	30.51	46.00	15.49	QP
6 916.58	23.80	4.35	2.14	30.29	46.00	15.71	QP



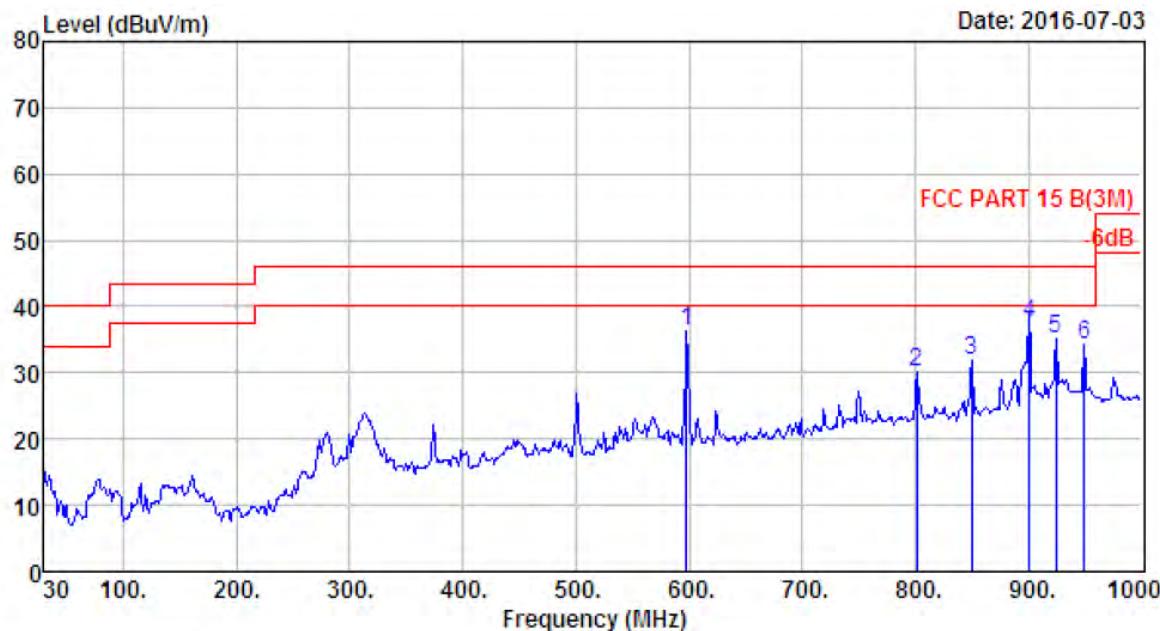
Site no. : 966 1# chamber Data no. : 317
 Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH7 2442TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 299.66	13.01	2.38	10.83	26.22	46.00	19.78	QP
2 597.45	19.55	3.39	4.24	27.18	46.00	18.82	QP
3 723.55	21.73	3.77	0.86	26.36	46.00	19.64	QP
4 875.84	22.72	3.94	3.30	29.96	46.00	16.04	QP
5 895.24	23.05	4.07	7.61	34.73	46.00	11.27	QP
6 904.94	23.40	4.10	1.51	29.01	46.00	16.99	QP



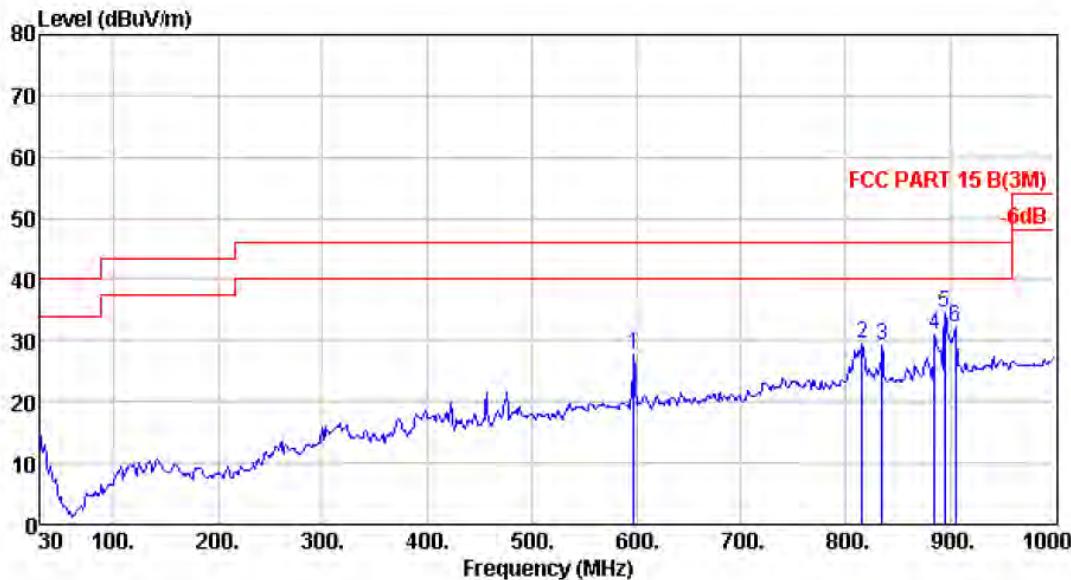
Site no. : 966 1# chamber Data no. : 318
 Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Tony
 EUT : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH7 2442TX

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				Remark
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	
1 597.45	19.55	3.39	12.30	35.24	46.00	10.76	QP
2 801.15	22.07	3.83	5.81	31.71	46.00	14.29	QP
3 849.65	22.95	3.73	5.31	31.99	46.00	14.01	QP
4 901.06	23.28	4.16	9.69	37.13	46.00	8.87	QP
5 924.34	24.13	4.50	7.38	36.01	46.00	9.99	QP
6 949.56	24.54	4.63	4.71	33.88	46.00	12.12	QP



Site no. : 966 1# chamber Data no. : 319
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

	ANT	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 597.45	19.55	3.39	13.25	36.19	46.00	9.81	QP
2 801.15	22.07	3.83	4.17	30.07	46.00	15.93	QP
3 849.65	22.95	3.73	5.07	31.75	46.00	14.25	QP
4 901.06	23.28	4.16	9.96	37.40	46.00	8.60	QP
5 924.34	24.13	4.50	6.43	35.06	46.00	10.94	QP
6 949.56	24.54	4.63	5.04	34.21	46.00	11.79	QP



Site no. : 966 1# chamber Data no. : 320
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

	ANT Freq. (MHz)	Cable Factor (dB/m)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	597.45	19.55	3.39	4.79	27.73	46.00	QP
2	815.70	22.36	3.85	3.34	29.55	46.00	QP
3	835.10	22.55	3.77	2.85	29.17	46.00	QP
4	885.54	22.76	3.78	4.38	30.92	46.00	QP
5	895.24	23.05	4.07	7.35	34.47	46.00	QP
6	904.94	23.40	4.10	4.53	32.03	46.00	QP

Above 1000MHz

Site no. : 966 1# chamber Data no. : 165
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant.			Cable		Amp		Emission			Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)						
1 2412.00	27.60	6.64	34.64	94.90	94.50	74.00	-20.50				Peak	
2 4824.00	31.28	11.84	35.66	38.39	45.85	74.00	28.15				Peak	
3 7236.00	36.53	11.55	33.99	28.84	42.93	74.00	31.07				Peak	
4 10996.00	39.52	11.29	34.11	28.64	45.34	74.00	28.66				Peak	
5 14090.00	41.54	10.91	33.13	27.94	47.26	74.00	26.74				Peak	
6 17864.00	45.12	11.22	30.66	22.81	48.49	74.00	25.51				Peak	

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

Site no. : 966 1# chamber Data no. : 166
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuW)	(dBuV/m)	(dBuV/m)	(dB)		
<hr/>									
1	2412.00	27.60	6.64	34.64	100.52	100.12	74.00	-26.12	Peak
2	4824.00	31.28	11.84	35.66	40.76	48.22	74.00	25.78	Peak
3	7236.00	36.53	11.55	33.99	36.34	50.43	74.00	23.57	Peak
4	9670.00	38.01	11.67	35.09	32.44	47.03	74.00	26.97	Peak
5	13325.00	39.66	11.48	32.94	28.75	46.95	74.00	27.05	Peak
6	17847.00	44.95	11.20	30.52	26.11	51.74	74.00	22.26	Peak
<hr/>									

Remarks: 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. : 966 1# chamber Data no. : 167
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH7 2442TX

Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2442.00	27.60	6.67	34.85	100.15	99.57	74.00	-25.57	Peak	
2 4884.00	31.37	12.07	35.82	43.15	50.77	74.00	23.23	Peak	
3 7326.00	36.55	11.57	34.14	35.61	49.59	74.00	24.41	Peak	
4 10826.00	39.33	11.30	34.00	28.52	45.15	74.00	28.85	Peak	
5 14005.00	41.46	10.90	33.01	27.58	46.93	74.00	27.07	Peak	
6 17898.00	45.45	11.26	30.94	23.94	49.71	74.00	24.29	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. : 966 1# chamber Data no. : 168
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH7 2442TX

Freq. (MHz)	Ant.	Cable	Amp	Emission			Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 2442.00	27.60	6.67	34.85	94.58	94.00	74.00	-20.00	Peak
2 4884.00	31.37	12.07	35.82	43.37	50.99	74.00	23.01	Peak
3 7326.00	36.55	11.57	34.14	29.97	43.95	74.00	30.05	Peak
4 11064.00	39.48	11.24	33.83	28.85	45.74	74.00	28.26	Peak
5 14056.00	41.51	10.90	33.06	27.21	46.56	74.00	27.44	Peak
6 17966.00	46.12	11.34	31.76	26.00	51.70	74.00	22.30	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. : 966 1# chamber Data no. : 169
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2472.00	27.58	6.71	35.11	94.70	93.88	74.00	-19.88	Peak	
2 4944.00	31.47	12.37	35.96	40.33	48.21	74.00	25.79	Peak	
3 7416.00	36.56	11.60	34.23	30.53	44.46	74.00	29.54	Peak	
4 8684.00	37.32	11.45	33.66	31.05	46.16	74.00	27.84	Peak	
5 14056.00	41.51	10.90	33.06	27.27	46.62	74.00	27.38	Peak	
6 17898.00	45.45	11.26	30.94	25.16	50.93	74.00	23.07	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. : 966 1# chamber Data no. : 170
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2472.00	27.58	6.71	35.11	98.59	97.77	74.00	-23.77	Peak	
2 4944.00	31.47	12.37	35.96	41.88	49.76	74.00	24.24	Peak	
3 7416.00	36.56	11.60	34.23	32.68	46.61	74.00	27.39	Peak	
4 9874.00	38.15	11.62	35.01	30.25	45.01	74.00	28.99	Peak	
5 13920.00	41.26	11.00	33.00	26.88	46.14	74.00	27.86	Peak	
6 17796.00	44.45	11.14	30.45	24.65	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. : 966 1# chamber Data no. : 171
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2412.00	27.60	6.64	34.64	94.60	94.20	74.00	-20.20	Peak	
2 4824.00	31.28	11.84	35.66	41.37	48.83	74.00	25.17	Peak	
3 7236.00	36.53	11.55	33.99	32.71	46.80	74.00	27.20	Peak	
4 10894.00	39.41	11.29	34.05	28.21	44.86	74.00	29.14	Peak	
5 14056.00	41.51	10.90	33.06	26.17	45.52	74.00	28.48	Peak	
6 17966.00	46.12	11.34	31.76	23.01	48.71	74.00	25.29	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. : 966 1# chamber Data no. : 172
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2412.00	27.60	6.64	34.64	88.41	88.01	74.00	-14.01	Peak	
2 4824.00	31.28	11.84	35.66	41.61	49.07	74.00	24.93	Peak	
3 7236.00	36.53	11.55	33.99	29.06	43.15	74.00	30.85	Peak	
4 11064.00	39.48	11.24	33.83	28.96	45.85	74.00	28.15	Peak	
5 14056.00	41.51	10.90	33.06	27.92	47.27	74.00	26.73	Peak	
6 17915.00	45.62	11.28	31.26	23.02	48.66	74.00	25.34	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. : 966 1# chamber Data no. : 173
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH7 2442TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2442.00	27.60	6.67	34.85	87.44	86.86	74.00	-12.86	Peak	
2 4884.00	31.37	12.07	35.82	41.40	49.02	74.00	24.98	Peak	
3 7326.00	36.55	11.57	34.14	28.84	42.82	74.00	31.18	Peak	
4 10996.00	39.52	11.29	34.11	27.97	44.67	74.00	29.33	Peak	
5 13240.00	39.46	11.46	32.88	28.56	46.60	74.00	27.40	Peak	
6 17915.00	45.62	11.28	31.26	23.96	49.60	74.00	24.40	Peak	

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

Site no. : 966 1# chamber Data no. : 174
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH7 2442TX

	Freq. (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	96.14	95.56	74.00	-21.56	Peak
2	4884.00	31.37	12.07	35.82	42.46	50.08	74.00	23.92	Peak
3	7326.00	36.55	11.57	34.14	31.98	45.96	74.00	28.04	Peak
4	11200.00	39.39	11.14	33.24	26.72	44.01	74.00	29.99	Peak
5	13954.00	41.35	10.96	32.99	26.53	45.85	74.00	28.15	Peak
6	18000.00	46.45	11.38	32.12	22.03	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. : 966 1# chamber Data no. : 175
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2472.00	27.58	6.71	35.11	95.41	94.59	74.00	-20.59	Peak	
2 4944.00	31.47	12.37	35.96	42.50	50.38	74.00	23.62	Peak	
3 7416.00	36.56	11.60	34.23	35.42	49.35	74.00	24.65	Peak	
4 11200.00	39.39	11.14	33.24	26.62	43.91	74.00	30.09	Peak	
5 14056.00	41.51	10.90	33.06	27.84	47.19	74.00	26.81	Peak	
6 17830.00	44.78	11.18	30.50	24.03	49.49	74.00	24.51	Peak	

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

Site no. : 966 1# chamber Data no. : 176
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2472.00	27.58	6.71	35.11	88.59	87.77	74.00	-13.77	Peak	
2 4944.00	31.47	12.37	35.96	38.87	46.75	74.00	27.25	Peak	
3 7416.00	36.56	11.60	34.23	25.98	39.91	74.00	34.09	Peak	
4 11676.00	39.00	11.09	33.24	27.48	44.33	74.00	29.67	Peak	
5 14005.00	41.46	10.90	33.01	27.89	47.24	74.00	26.76	Peak	
6 17830.00	44.78	11.18	30.50	22.66	48.12	74.00	25.88	Peak	

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

Site no. : 966 1# chamber Data no. : 177
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
<hr/>									
1	2412.00	27.60	6.64	34.64	91.62	91.22	74.00	-17.22	Peak
2	4824.00	31.28	11.84	35.66	40.18	47.64	74.00	26.36	Peak
3	7236.00	36.53	11.55	33.99	26.75	40.84	74.00	33.16	Peak
4	11404.00	39.25	10.99	33.57	28.55	45.22	74.00	28.78	Peak
5	13580.00	40.31	11.40	32.64	27.55	46.62	74.00	27.38	Peak
6	17405.00	41.23	10.84	31.14	29.12	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. : 966 1# chamber Data no. : 178
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

Freq. (MHz)	Ant. Factor	Cable Loss	Amp Factor	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2412.00	27.60	6.64	34.64	98.52	98.12	74.00	-24.12	Peak	
2 4824.00	31.28	11.84	35.66	42.78	50.24	74.00	23.76	Peak	
3 7326.00	36.55	11.57	34.14	27.45	41.43	74.00	32.57	Peak	
4 11064.00	39.48	11.24	33.83	25.75	42.64	74.00	31.36	Peak	
5 15365.00	38.50	11.03	33.13	29.49	45.89	74.00	28.11	Peak	
6 17286.00	40.78	10.88	31.41	28.53	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.

Site no. : 966 1# chamber Data no. : 179
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH7 2442TX

Freq. (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	99.31	98.73	74.00	-24.73	Peak
2 4884.00	31.37	12.07	35.82	43.50	51.12	74.00	22.88	Peak
3 7326.00	36.55	11.57	34.14	34.43	48.41	74.00	25.59	Peak
4 11370.00	39.28	11.02	33.51	27.97	44.76	74.00	29.24	Peak
5 13954.00	41.35	10.96	32.99	27.30	46.62	74.00	27.38	Peak
6 17966.00	46.12	11.34	31.76	24.50	50.20	74.00	23.80	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. : 966 1# chamber Data no. : 180
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH7 2442TX

		Ant.	Cable	Amp	Emission			Margin	Remark
Freq.	Factor	Loss	Factor	Reading	Level	Limits	(dBuV/m)	(dB)	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)			
1	2442.00	27.60	6.67	34.85	90.26	89.68	74.00	-15.68	Peak
2	4884.00	31.37	12.07	35.82	42.64	50.26	74.00	23.74	Peak
3	7326.00	36.55	11.57	34.14	31.59	45.57	74.00	28.43	Peak
4	11200.00	39.39	11.14	33.24	29.48	46.77	74.00	27.23	Peak
5	14226.00	41.66	10.91	33.41	28.48	47.64	74.00	26.36	Peak
6	18000.00	46.45	11.38	32.12	25.55	51.26	74.00	22.74	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. : 966 1# chamber Data no. : 181
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2472.00	27.58	6.71	35.11	92.89	92.07	74.00	-18.07	Peak	
2 4944.00	31.47	12.37	35.96	42.36	50.24	74.00	23.76	Peak	
3 7416.00	36.56	11.60	34.23	30.71	44.64	74.00	29.36	Peak	
4 11200.00	39.39	11.14	33.24	29.48	46.77	74.00	27.23	Peak	
5 14175.00	41.61	10.91	33.35	28.07	47.24	74.00	26.76	Peak	
6 17966.00	46.12	11.34	31.76	23.01	48.71	74.00	25.29	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. : 966 1# chamber Data no. : 182
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

	Freq. (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	96.56	95.74	74.00	-21.74	Peak
2	4944.00	31.47	12.37	35.96	40.82	48.70	74.00	25.30	Peak
3	7416.00	36.56	11.60	34.23	34.03	47.96	74.00	26.04	Peak
4	11404.00	39.25	10.99	33.57	27.52	44.19	74.00	29.81	Peak
5	14056.00	41.51	10.90	33.06	26.75	46.10	74.00	27.90	Peak
6	17983.00	46.28	11.36	31.94	22.93	48.63	74.00	25.37	Peak

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

Site no. : 966 1# chamber Data no. : 183
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2422.00	27.60	6.66	34.74	94.70	94.22	74.00	-20.22	Peak	
2 4844.00	31.31	11.92	35.68	41.27	48.82	74.00	25.18	Peak	
3 7266.00	36.54	11.56	34.05	35.16	49.21	74.00	24.79	Peak	
4 8735.00	37.40	11.45	33.76	31.38	46.47	74.00	27.53	Peak	
5 14566.00	41.71	10.92	33.66	29.34	48.31	74.00	25.69	Peak	
6 17847.00	44.95	11.20	30.52	27.28	52.91	74.00	21.09	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. : 966 1# chamber Data no. : 184
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2422.00	27.60	6.66	34.74	89.66	89.18	74.00	-15.18	Peak	
2 4844.00	31.31	11.92	35.68	44.24	51.79	74.00	22.21	Peak	
3 7266.00	36.54	11.56	34.05	30.28	44.33	74.00	29.67	Peak	
4 11234.00	39.37	11.12	33.25	27.47	44.71	74.00	29.29	Peak	
5 14175.00	41.61	10.91	33.35	26.38	45.55	74.00	28.45	Peak	
6 17966.00	46.12	11.34	31.76	25.30	51.00	74.00	23.00	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. : 966 1# chamber Data no. : 185
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH7 2442TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2442.00	27.60	6.67	34.85	89.74	89.16	74.00	-15.16	Peak	
2 4884.00	31.37	12.07	35.82	41.76	49.38	74.00	24.62	Peak	
3 7326.00	36.55	11.57	34.14	30.06	44.04	74.00	29.96	Peak	
4 11200.00	39.39	11.14	33.24	27.59	44.88	74.00	29.12	Peak	
5 13886.00	41.16	11.04	33.03	27.24	46.41	74.00	27.59	Peak	
6 18000.00	46.45	11.38	32.12	25.24	50.95	74.00	23.05	Peak	

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

Site no. : 966 1# chamber Data no. : 186
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH7 2442TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2442.00	27.60	6.67	34.85	93.75	93.17	74.00	-19.17	Peak	
2 4884.00	31.37	12.07	35.82	41.32	48.94	74.00	25.06	Peak	
3 7326.00	36.55	11.57	34.14	32.95	46.93	74.00	27.07	Peak	
4 8684.00	37.32	11.45	33.66	28.41	43.52	74.00	30.48	Peak	
5 14600.00	41.59	10.92	33.80	27.13	45.84	74.00	28.16	Peak	
6 17966.00	46.12	11.34	31.76	24.30	50.00	74.00	24.00	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. : 966 1# chamber Data no. : 187
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuW)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.58	6.69	34.98	94.12	93.41	74.00	-19.41	Peak
2	4924.00	31.45	12.29	35.91	41.83	49.66	74.00	24.34	Peak
3	7386.00	36.57	11.59	34.23	30.57	44.50	74.00	29.50	Peak
4	10316.00	38.65	11.41	34.51	27.17	42.72	74.00	31.28	Peak
5	14090.00	41.54	10.91	33.13	26.61	45.93	74.00	28.07	Peak
6	18000.00	46.45	11.38	32.12	25.12	50.83	74.00	23.17	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. : 966 1# chamber Data no. : 188
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2462.00	27.58	6.69	34.98	88.67	87.96	74.00	-13.96	Peak	
2 4924.00	31.45	12.29	35.91	40.23	48.06	74.00	25.94	Peak	
3 7386.00	36.57	11.59	34.23	29.31	43.24	74.00	30.76	Peak	
4 11234.00	39.37	11.12	33.25	27.51	44.75	74.00	29.25	Peak	
5 14464.00	41.85	10.93	33.45	26.92	46.25	74.00	27.75	Peak	
6 17864.00	45.12	11.22	30.66	23.40	49.08	74.00	24.92	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.

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

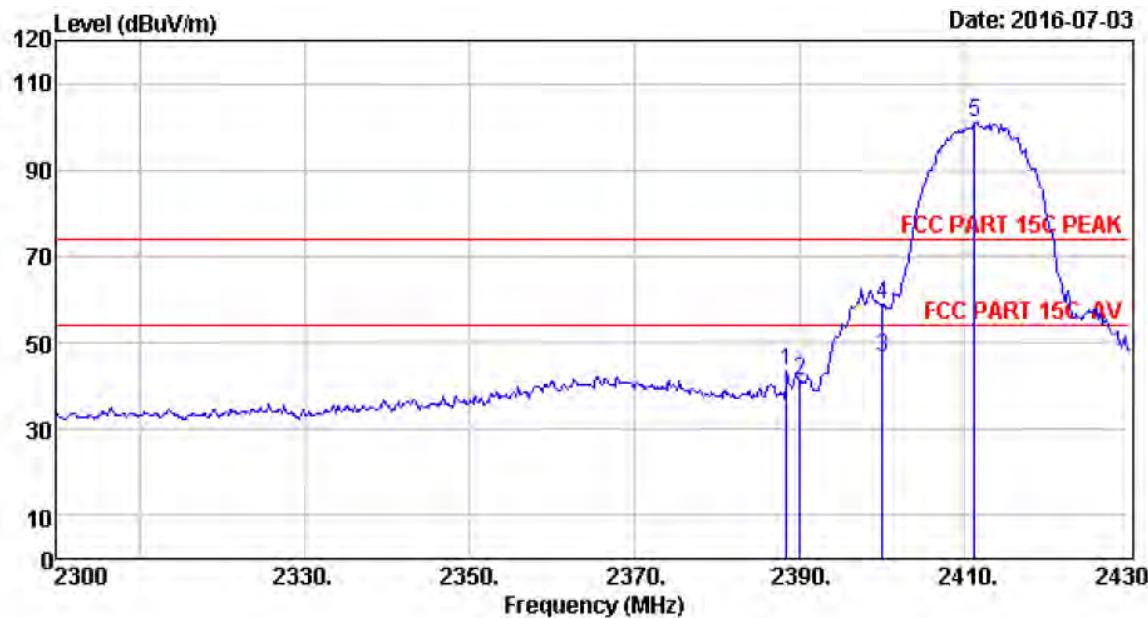
1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out 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.

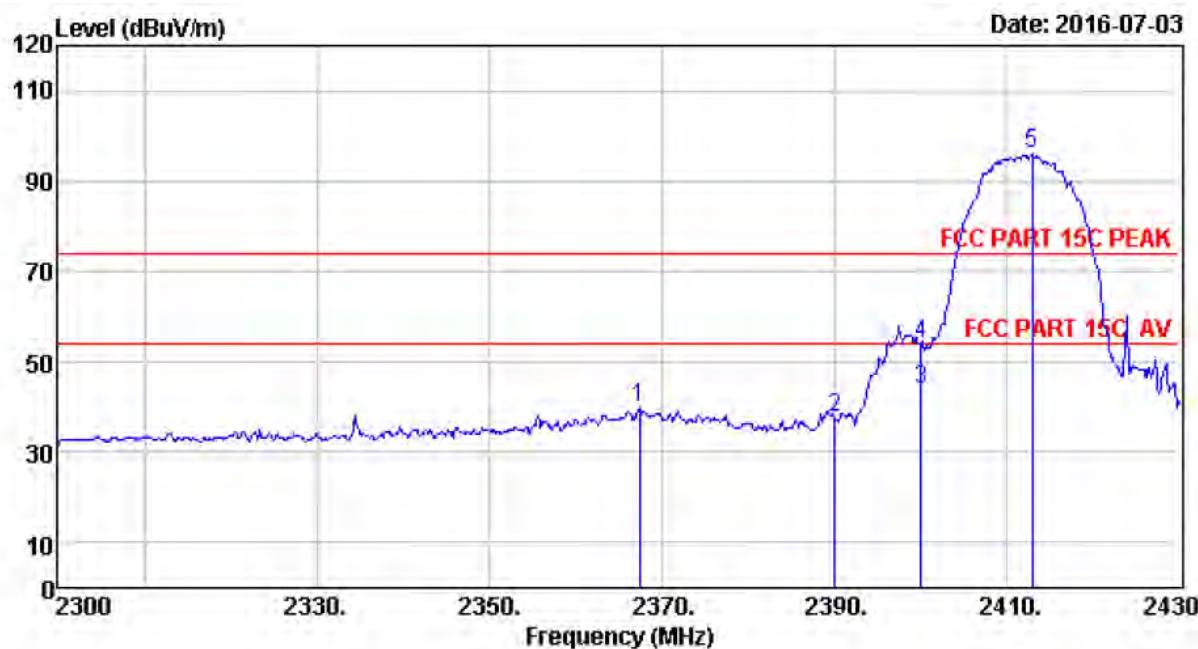
5.4 Test Data



Site no. : site Data no. : 265
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2388.40	27.64	6.62	34.19	43.15	43.22	74.00	30.78	Peak	
2 2390.00	27.64	6.62	34.19	41.15	41.22	74.00	32.78	Peak	
3 2400.00	27.61	6.62	34.18	46.35	46.40	54.00	7.60	Average	
4 2400.00	27.61	6.62	34.18	58.74	58.79	74.00	15.21	Peak	
5 2411.15	27.60	6.64	34.15	100.96	101.05	74.00	-27.05	Peak	

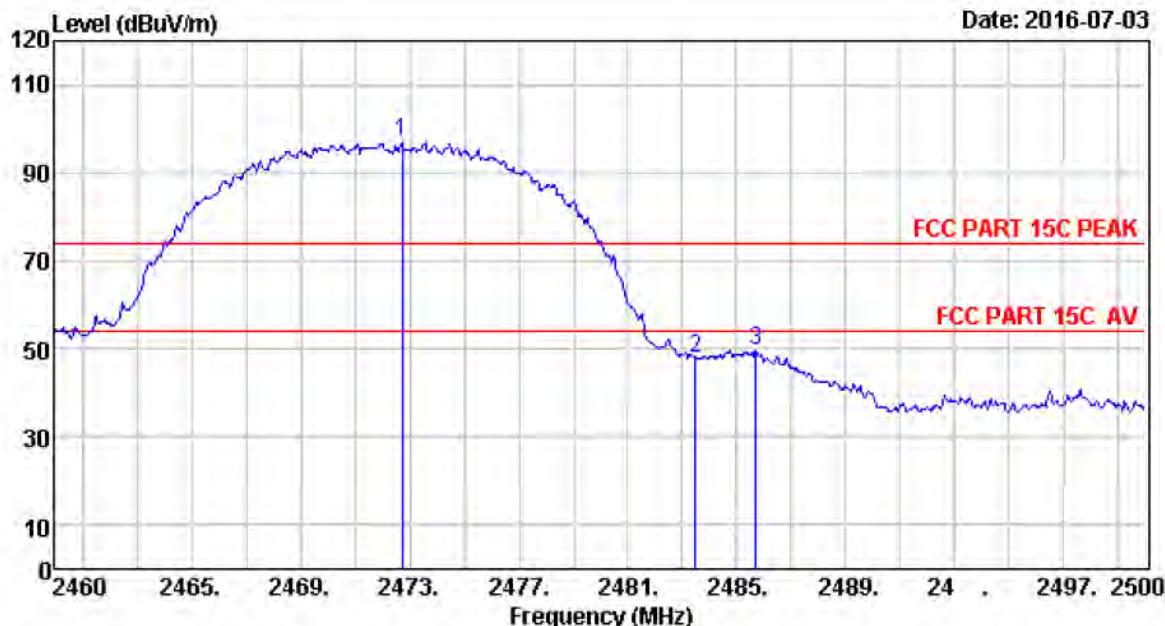
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 266
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH1 2412TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2367.34	27.67	6.58	34.20	39.86	39.91	74.00	34.09	Peak	
2 2390.00	27.64	6.62	34.19	37.42	37.49	74.00	36.51	Peak	
3 2400.00	27.61	6.62	34.18	43.85	43.90	54.00	10.10	Average	
4 2400.00	27.61	6.62	34.18	54.06	54.11	74.00	19.89	Peak	
5 2412.84	27.60	6.64	34.15	95.84	95.93	74.00	-21.93	Peak	

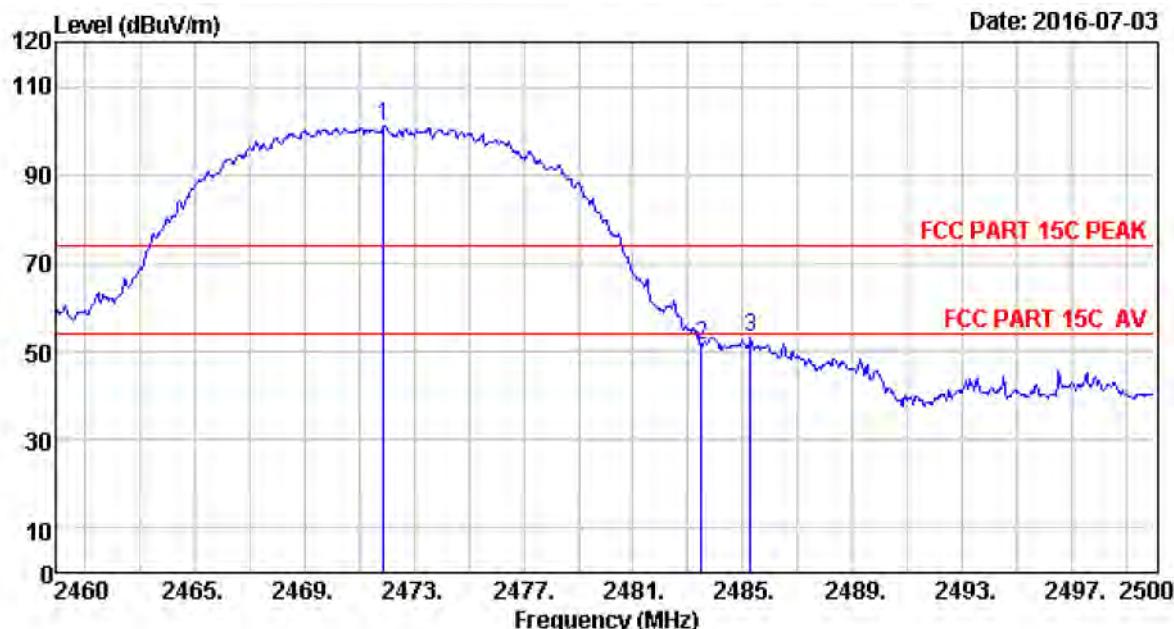
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 267
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2472.72	27.58	6.71	34.06	96.79	97.02	74.00	-23.02	Peak
2	2483.50	27.58	6.71	34.03	47.57	47.83	74.00	26.17	Peak
3	2485.68	27.58	6.71	34.03	49.38	49.64	74.00	24.36	Peak

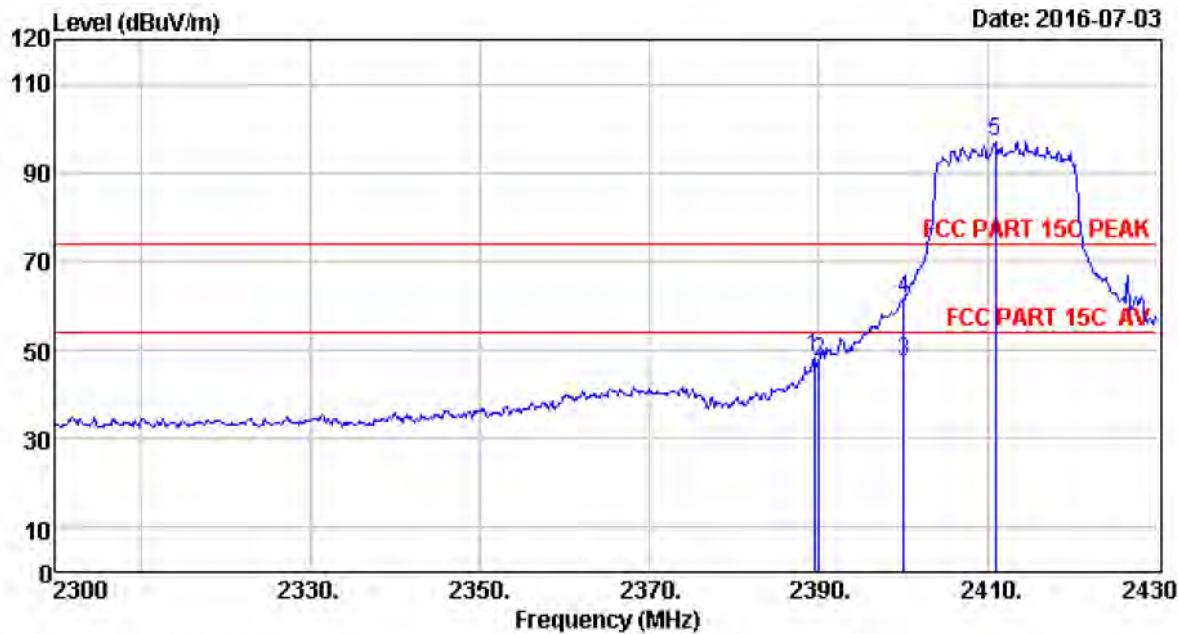
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 268
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11b CH13 2472TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2471.92	27.58	6.71	34.06	100.70	100.93	74.00	-26.93	Peak
2	2483.50	27.58	6.71	34.03	50.95	51.21	74.00	22.79	Peak
3	2485.28	27.58	6.71	34.03	53.03	53.29	74.00	20.71	Peak

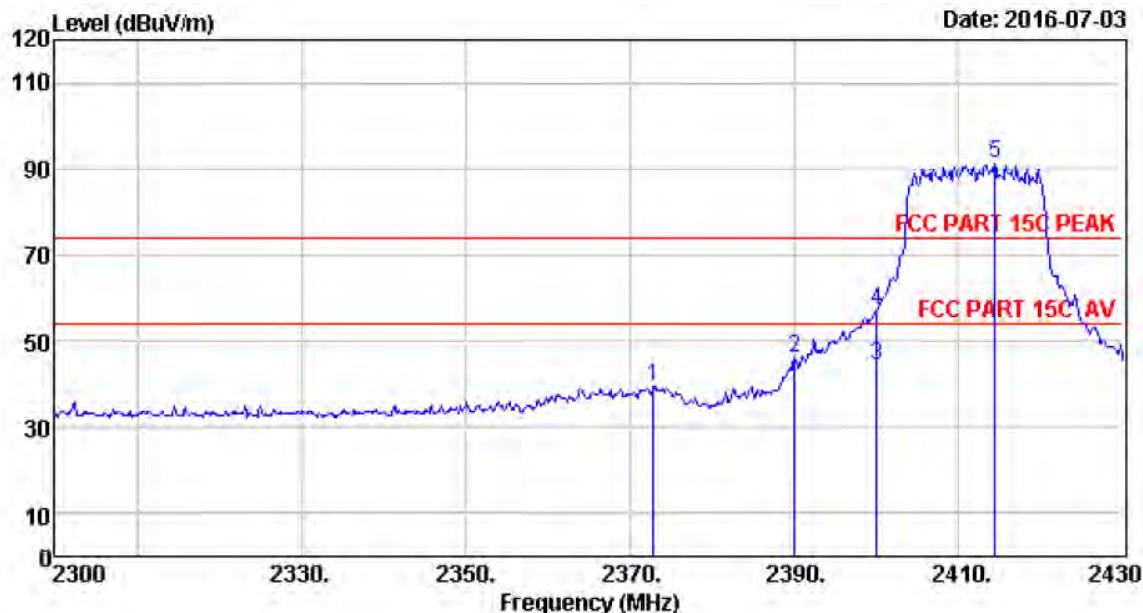
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 269
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

	Ant.	Cable	Amp	Emission					
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2389.44	27.64	6.62	34.19	48.30	48.37	74.00	25.63	Peak
2	2390.00	27.64	6.62	34.19	47.31	47.38	74.00	26.62	Peak
3	2400.00	27.61	6.62	34.18	47.21	47.26	54.00	6.74	Average
4	2400.00	27.61	6.62	34.18	61.46	61.51	74.00	12.49	Peak
5	2410.76	27.60	6.64	34.15	96.88	96.97	74.00	-22.97	Peak

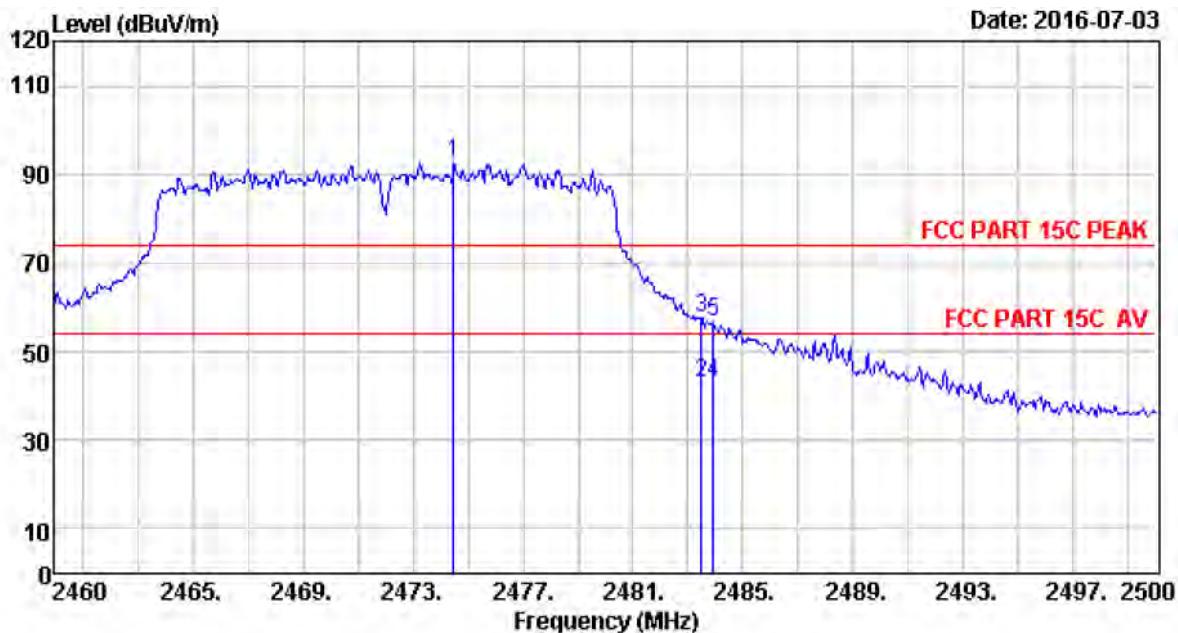
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 270
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH1 2412TX

	Freq. (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	34.20	39.52	39.59	74.00	34.41	Peak
2	2390.00	27.64	6.62	34.19	45.96	46.03	74.00	27.97	Peak
3	2400.00	27.61	6.62	34.18	44.39	44.44	54.00	9.56	Average
4	2400.00	27.61	6.62	34.18	57.26	57.31	74.00	16.69	Peak
5	2414.40	27.60	6.64	34.15	91.18	91.27	74.00	-17.27	Peak

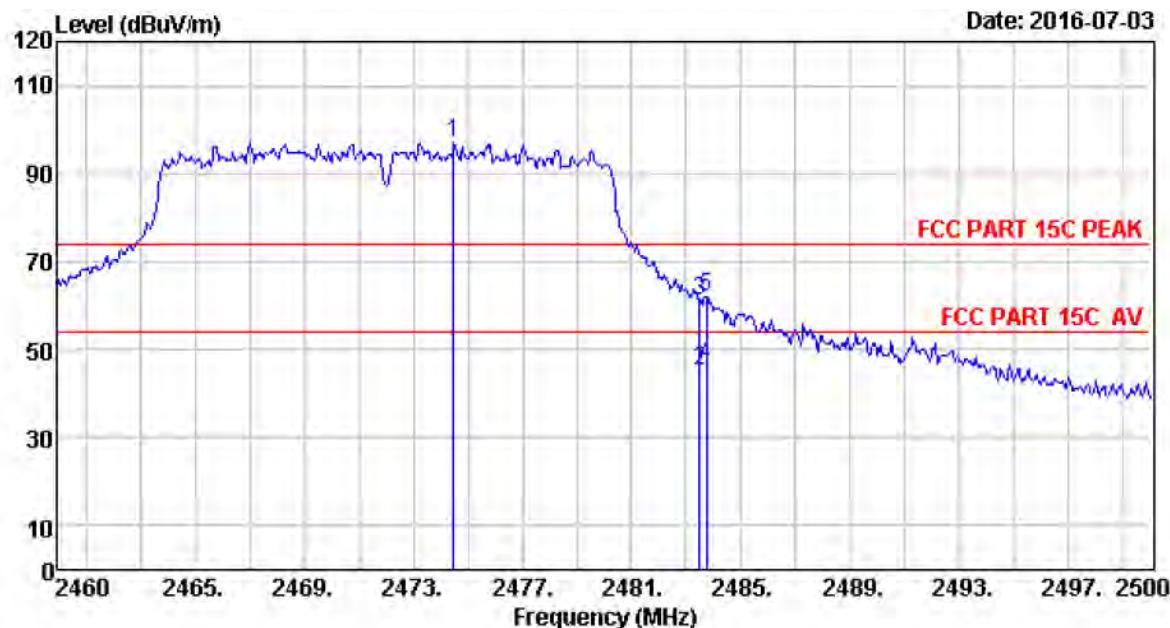
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : site Data no. : 271
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2474.48	27.58	6.71	34.06	92.39	92.62	74.00	-18.62	Peak	
2 2483.50	27.58	6.71	34.03	42.77	43.03	54.00	10.97	Average	
3 2483.50	27.58	6.71	34.03	57.30	57.56	74.00	16.44	Peak	
4 2483.92	27.58	6.71	34.03	42.74	43.00	54.00	11.00	Average	
5 2483.92	27.58	6.71	34.03	56.20	56.46	74.00	17.54	Peak	

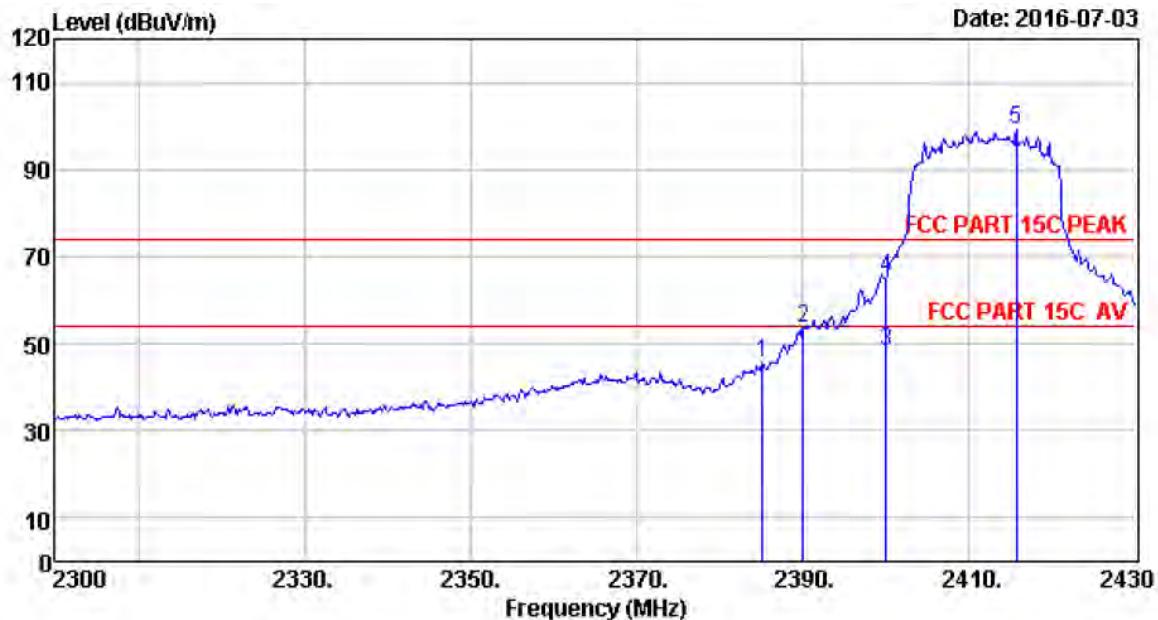
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 272
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11g CH13 2472TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2474.48	27.58	6.71	34.06	96.88	97.11	74.00	-23.11	Peak	
2 2483.50	27.58	6.71	34.03	44.76	45.02	54.00	8.98	Average	
3 2483.50	27.58	6.71	34.03	60.96	61.22	74.00	12.78	Peak	
4 2483.72	27.58	6.71	34.03	46.26	46.52	54.00	7.48	Average	
5 2483.72	27.58	6.71	34.03	61.58	61.84	74.00	12.16	Peak	

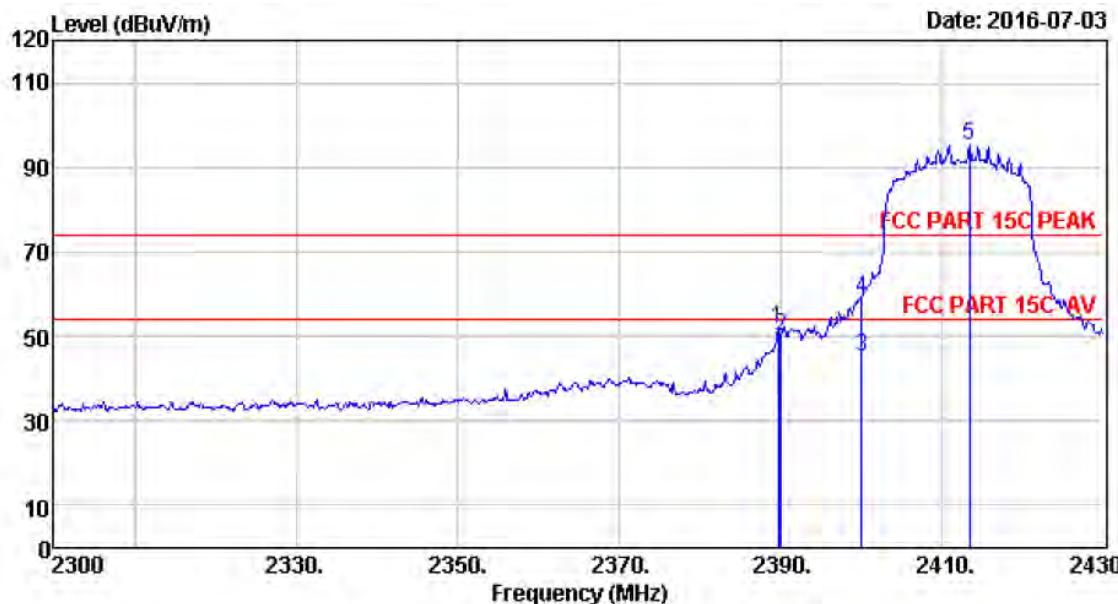
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 273
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

		Ant.	Cable	Amp	Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2385.15	27.64	6.60	34.19	45.69	45.74	74.00	28.26	Peak
2	2390.00	27.64	6.62	34.19	53.52	53.59	74.00	20.41	Peak
3	2400.00	27.61	6.62	34.18	48.30	48.35	54.00	5.65	Average
4	2400.00	27.61	6.62	34.18	64.96	65.01	74.00	8.99	Peak
5	2415.70	27.60	6.64	34.15	99.13	99.22	74.00	-25.22	Peak

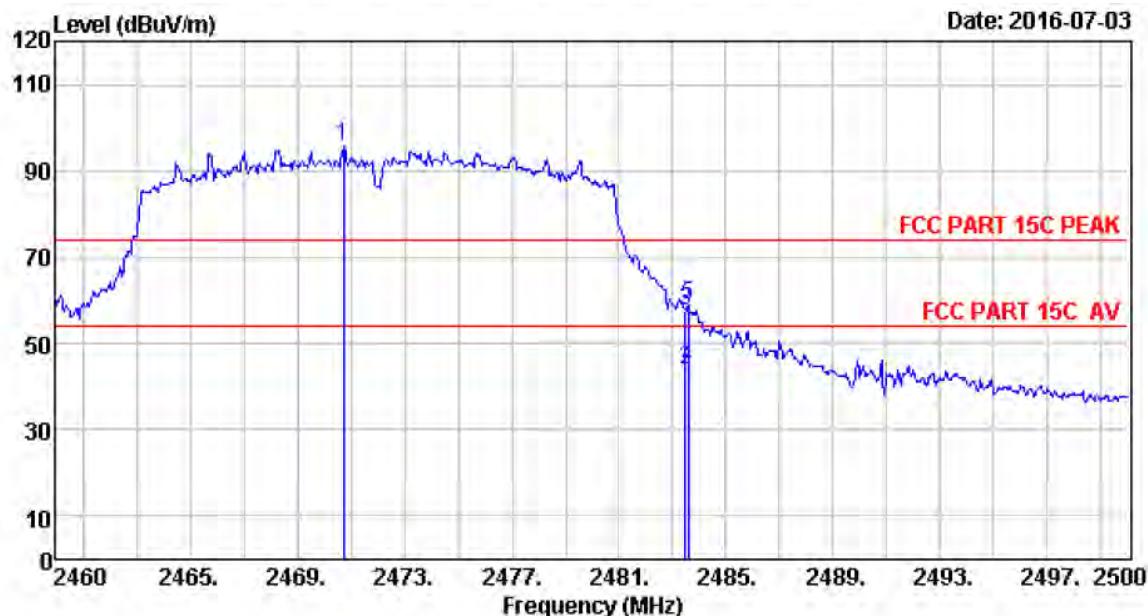
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 274
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH1 2412TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.70	27.64	6.62	34.19	51.87	51.94	74.00	22.06	Peak
2	2390.00	27.64	6.62	34.19	50.05	50.12	74.00	23.88	Peak
3	2400.00	27.61	6.62	34.18	44.95	45.00	54.00	9.00	Average
4	2400.00	27.61	6.62	34.18	58.78	58.83	74.00	15.17	Peak
5	2413.36	27.60	6.64	34.15	95.26	95.35	74.00	-21.35	Peak

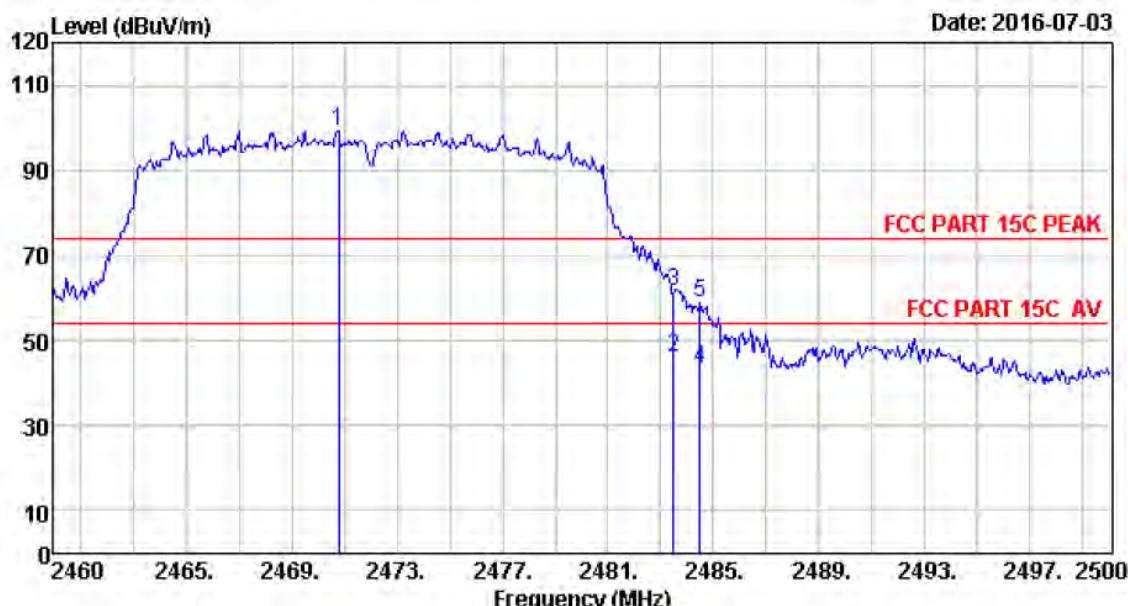
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 275
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

	Ant.	Cable	Amp	Emission					Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2470.72	27.58	6.71	34.06	95.22	95.45	74.00	-21.45	Peak	
2 2483.50	27.58	6.71	34.03	43.76	44.02	54.00	9.98	Average	
3 2483.50	27.58	6.71	34.03	57.29	57.55	74.00	16.45	Peak	
4 2483.60	27.58	6.71	34.03	43.91	44.17	54.00	9.83	Average	
5 2483.60	27.58	6.71	34.03	58.76	59.02	74.00	14.98	Peak	

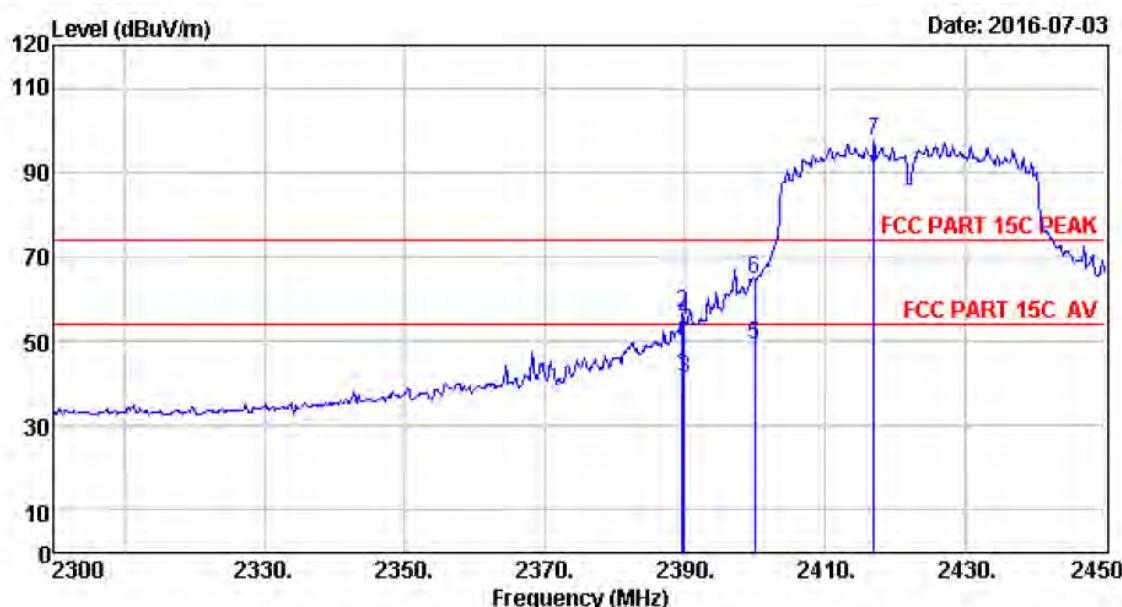
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 276
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT20 CH13 2472TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2470.80	27.58	6.71	34.06	99.17	99.40	74.00	-25.40	Peak
2	2483.50	27.58	6.71	34.03	45.77	46.03	54.00	7.97	Average
3	2483.50	27.58	6.71	34.03	61.16	61.42	74.00	12.58	Peak
4	2484.48	27.58	6.71	34.03	43.12	43.38	54.00	10.62	Average
5	2484.48	27.58	6.71	34.03	58.45	58.71	74.00	15.29	Peak

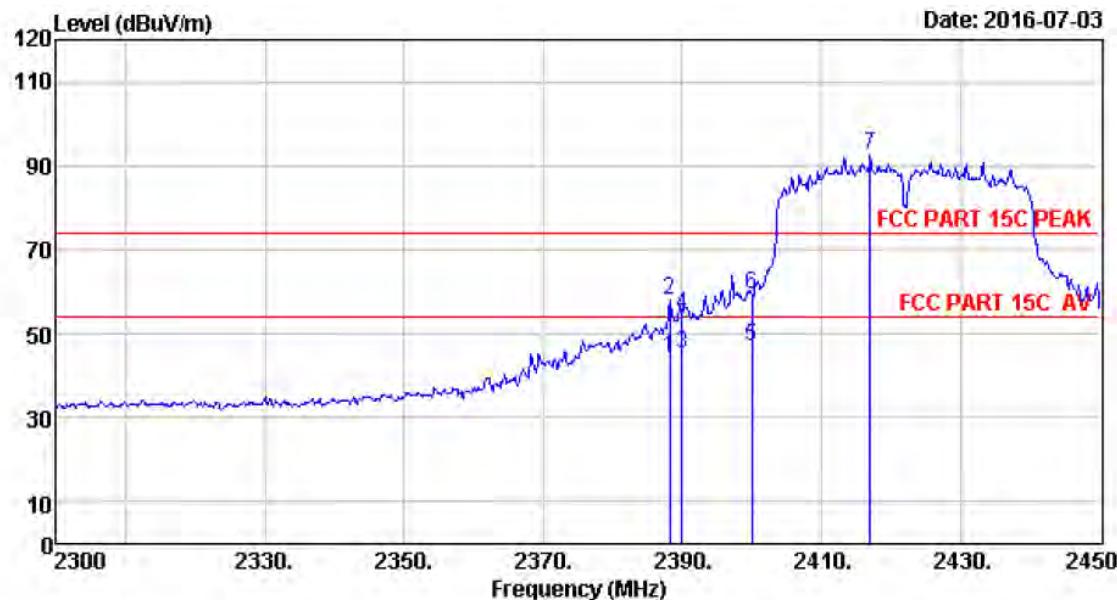
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 277
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.70	27.64	6.62	34.19	41.84	41.91	54.00	12.09	Average
2	2389.70	27.64	6.62	34.19	56.72	56.79	74.00	17.21	Peak
3	2390.00	27.64	6.62	34.19	41.18	41.25	54.00	12.75	Average
4	2390.00	27.64	6.62	34.19	55.03	55.10	74.00	18.90	Peak
5	2400.00	27.61	6.62	34.18	49.05	49.10	54.00	4.90	Average
6	2400.00	27.61	6.62	34.18	64.68	64.73	74.00	9.27	Peak
7	2417.00	27.60	6.64	34.15	97.34	97.43	74.00	-23.43	Peak

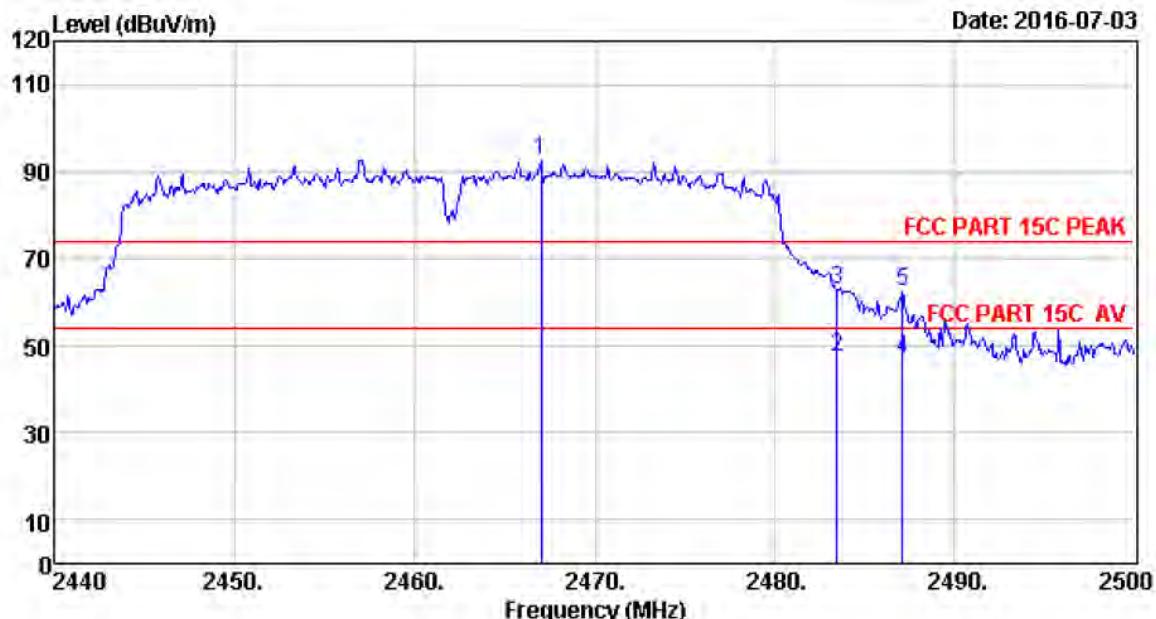
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : site Data no. : 278
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH3 2422TX

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2388.20	27.64	6.62	34.19	44.34	44.41	54.00	9.59	Average
2	2388.20	27.64	6.62	34.19	57.99	58.06	74.00	15.94	Peak
3	2390.00	27.64	6.62	34.19	45.32	45.39	54.00	8.61	Average
4	2390.00	27.64	6.62	34.19	54.34	54.41	74.00	19.59	Peak
5	2400.00	27.61	6.62	34.18	47.02	47.07	54.00	6.93	Average
6	2400.00	27.61	6.62	34.18	59.25	59.30	74.00	14.70	Peak
7	2417.00	27.60	6.64	34.15	92.42	92.51	74.00	-18.51	Peak

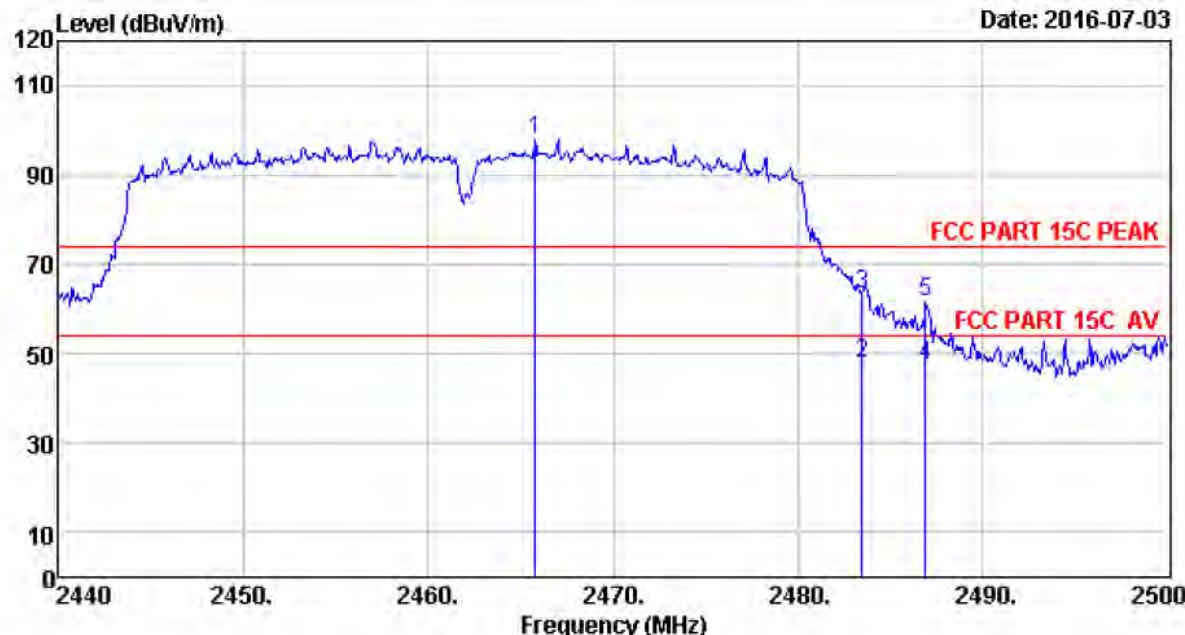
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 966 1# chamber Data no. : 279
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2467.00	27.58	6.69	34.06	92.43	92.64	74.00	-18.64	Peak	
2 2483.50	27.58	6.71	34.03	47.27	47.53	54.00	6.47	Average	
3 2483.50	27.58	6.71	34.03	62.45	62.71	74.00	11.29	Peak	
4 2487.10	27.58	6.71	34.03	46.71	46.97	54.00	7.03	Average	
5 2487.10	27.58	6.71	34.03	62.05	62.31	74.00	11.69	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. : 966 1# chamber Data no. : 280
 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 : Avi-on Remote Access Bridge
 Power : AC 120V/60Hz
 M/N : 2001RAB
 Test Mode : IEEE 802.11n HT40 CH9 2462TX

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2465.80	27.58	6.69	34.06	97.69	97.90	74.00	-23.90	Peak	
2 2483.50	27.58	6.71	34.03	47.69	47.95	54.00	6.05	Average	
3 2483.50	27.58	6.71	34.03	63.05	63.31	74.00	10.69	Peak	
4 2486.92	27.58	6.71	34.03	47.08	47.34	54.00	6.66	Average	
5 2486.92	27.58	6.71	34.03	61.36	61.62	74.00	12.38	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.

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, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 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.

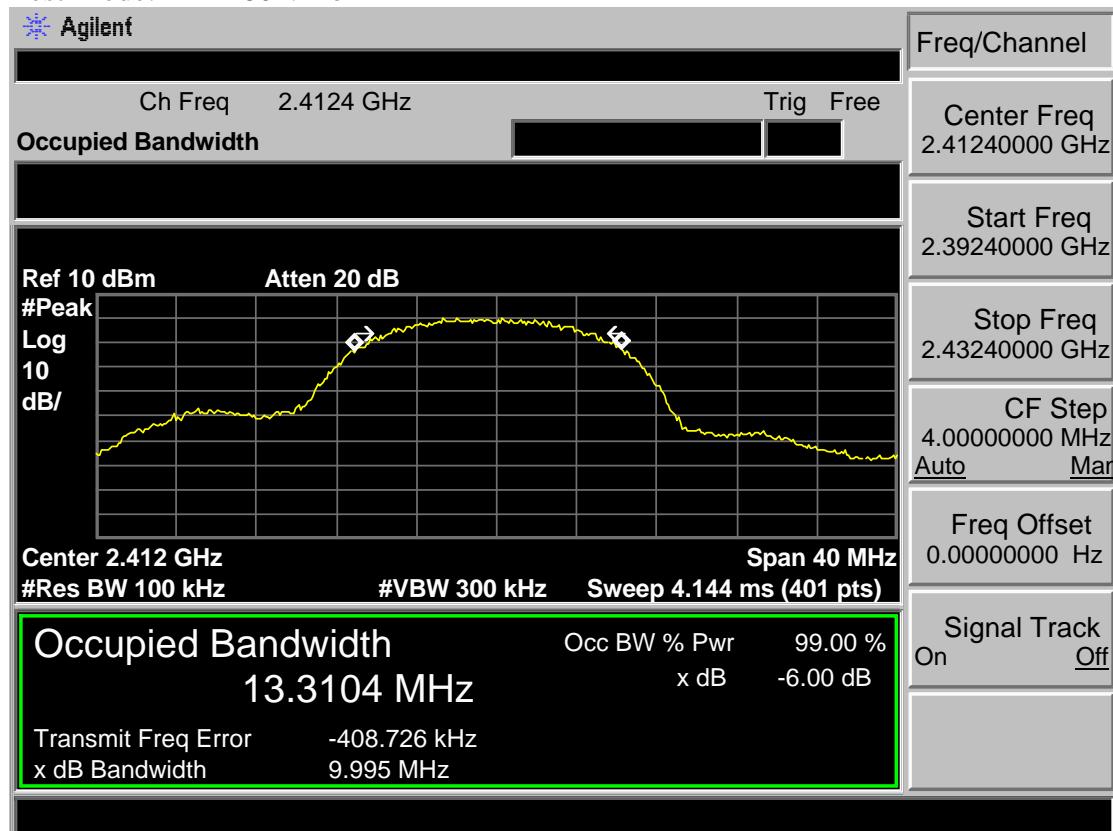
6.3 Test Result

EUT: Avi-on Remote Access Bridge			
M/N: 2001RAB			
Test date: 2016-07-10		Tested by: Tony.Tang	Test site: RF Site
Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
IEEE 802.11 b	CH1	9.995	>500
	CH7	9.679	>500
	CH13	9.706	>500
IEEE 802.11 g	CH1	16.434	>500
	CH7	16.381	>500
	CH13	16.436	>500
IEEE 802.11 n HT 20	CH1	15.147	>500
	CH7	15.217	>500
	CH13	15.143	>500
IEEE 802.11 n HT 40	CH1	33.876	>500
	CH5	33.868	>500
	CH9	33.899	>500
Conclusion : PASS			

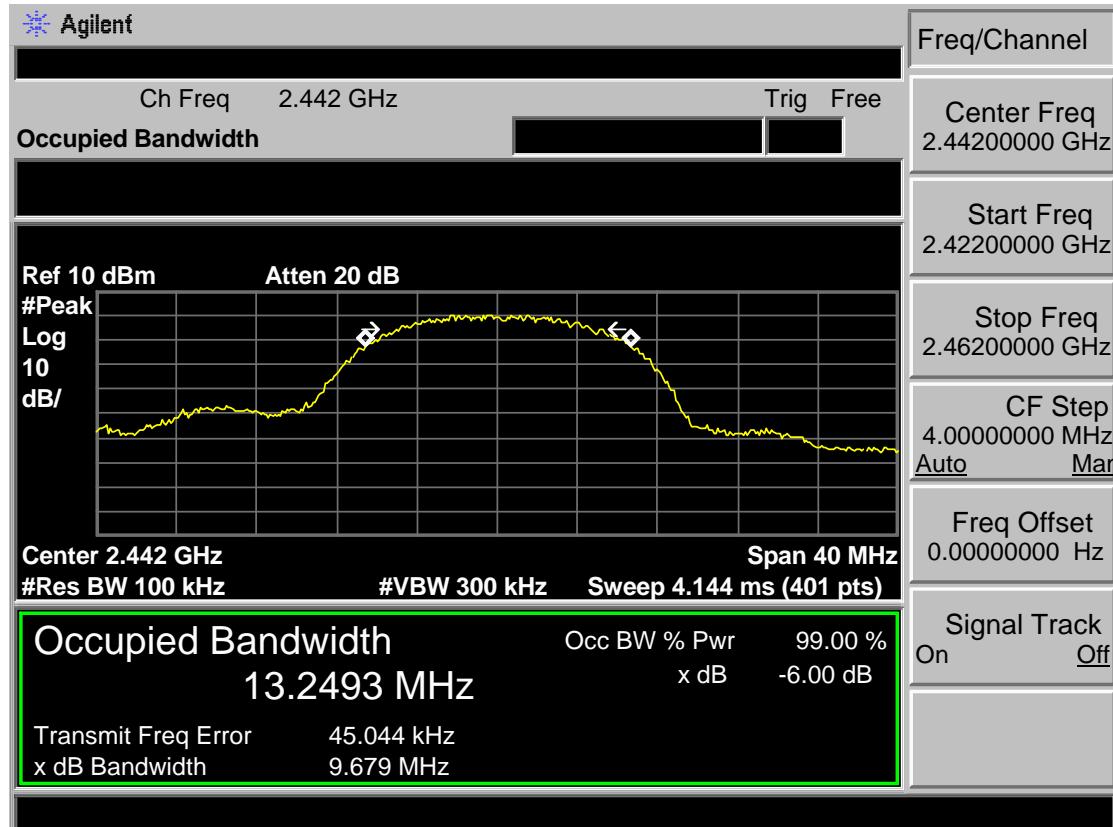
EUT: Avi-on Remote Access Bridge			
M/N: 2001RAB			
Test date: 2016-07-10		Tested by: Tony.Tang	Test site: RF Site
Test Mode	CH	20dB bandwidth (MHz)	Limit (KHz)
IEEE 802.11 b	CH1	15.436	/
	CH7	15.463	/
	CH13	15.505	/
IEEE 802.11 g	CH1	18.781	/
	CH7	19.078	/
	CH13	19.351	/
IEEE 802.11 n HT 20	CH1	18.958	/
	CH7	18.837	/
	CH13	18.820	/
IEEE 802.11 n HT 40	CH1	40.114	/
	CH5	39.931	/
	CH9	40.082	/
Conclusion : PASS			

6.4 6dB Test Data

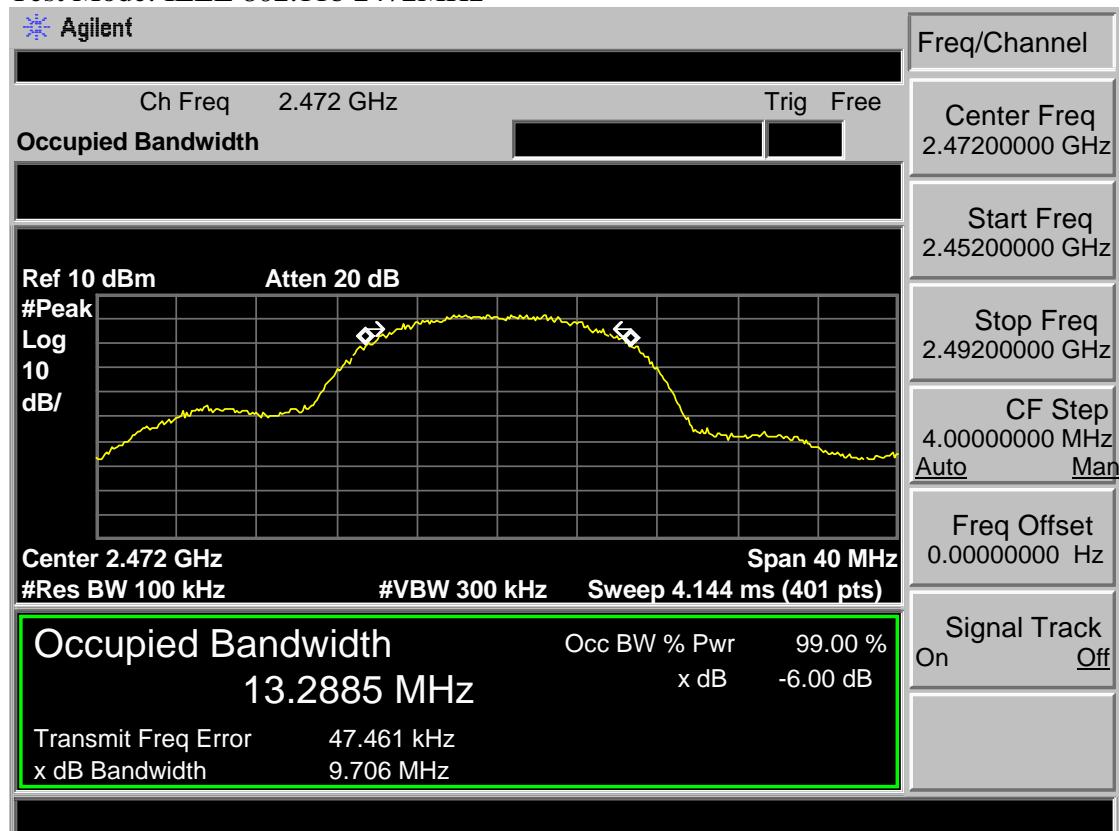
Test Mode: IEEE 802.11b 2412MHz



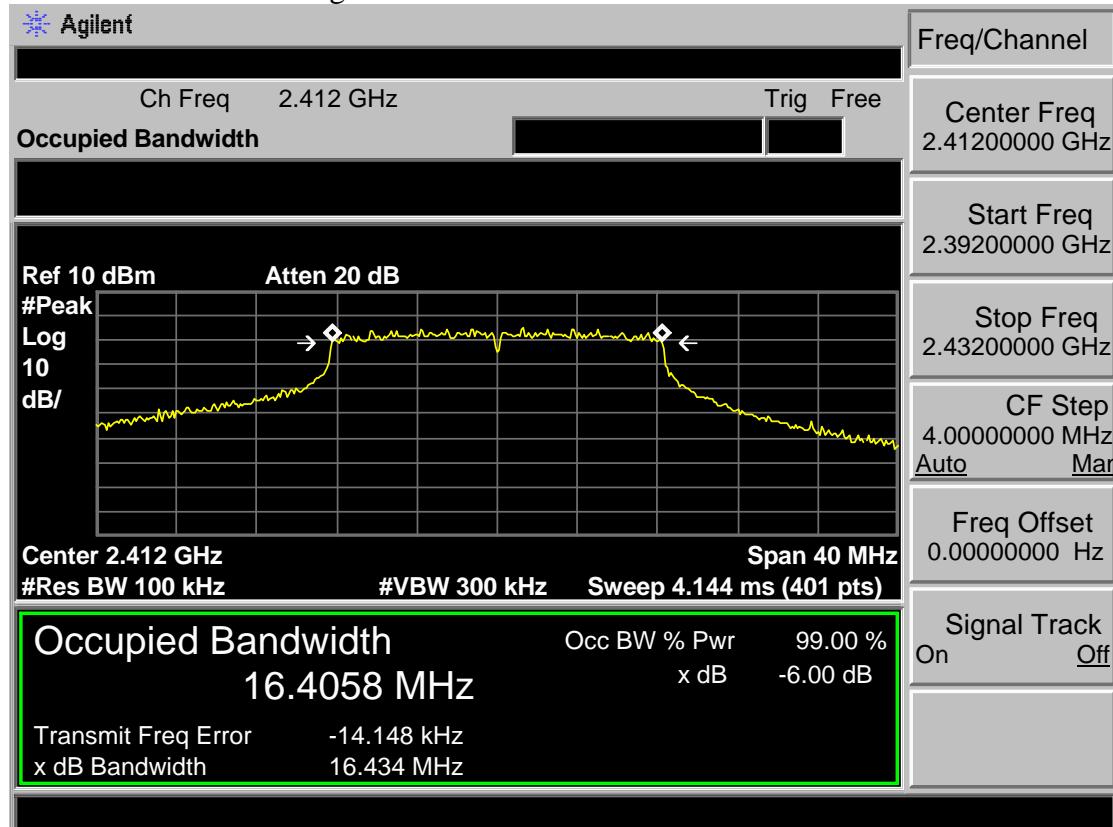
Test Mode: IEEE 802.11b 2442MHz



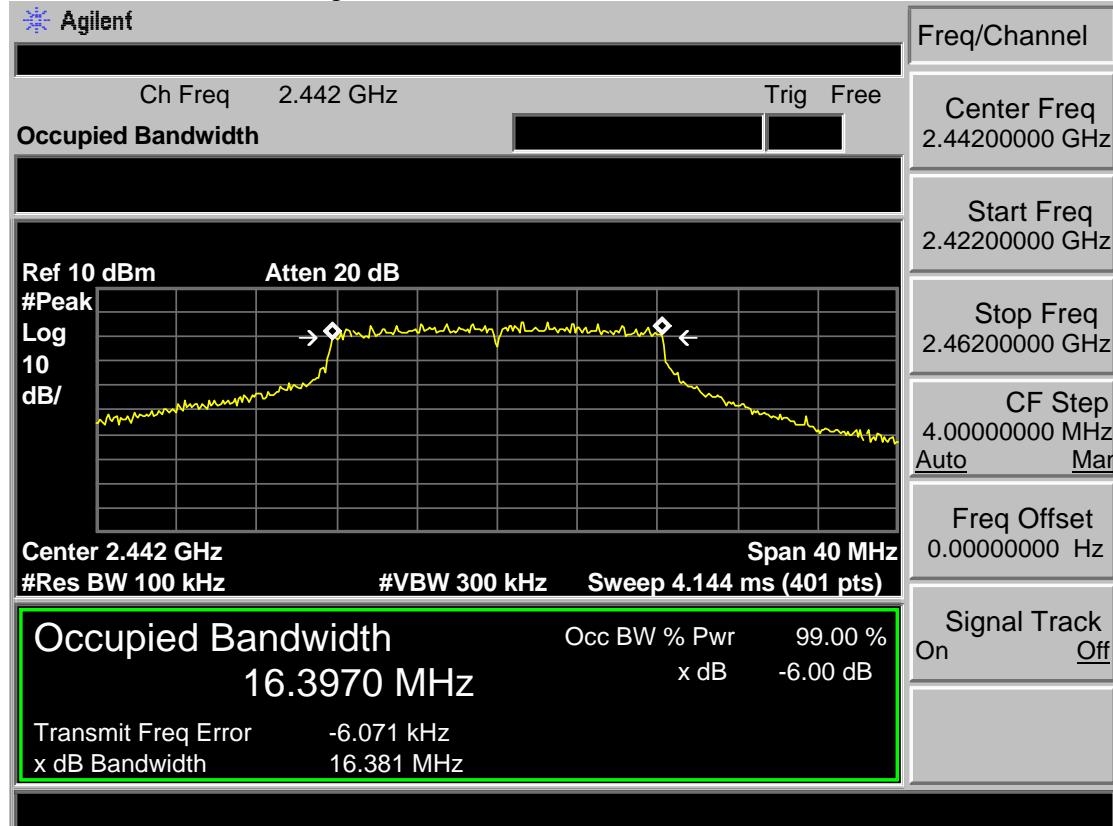
Test Mode: IEEE 802.11b 2472MHz



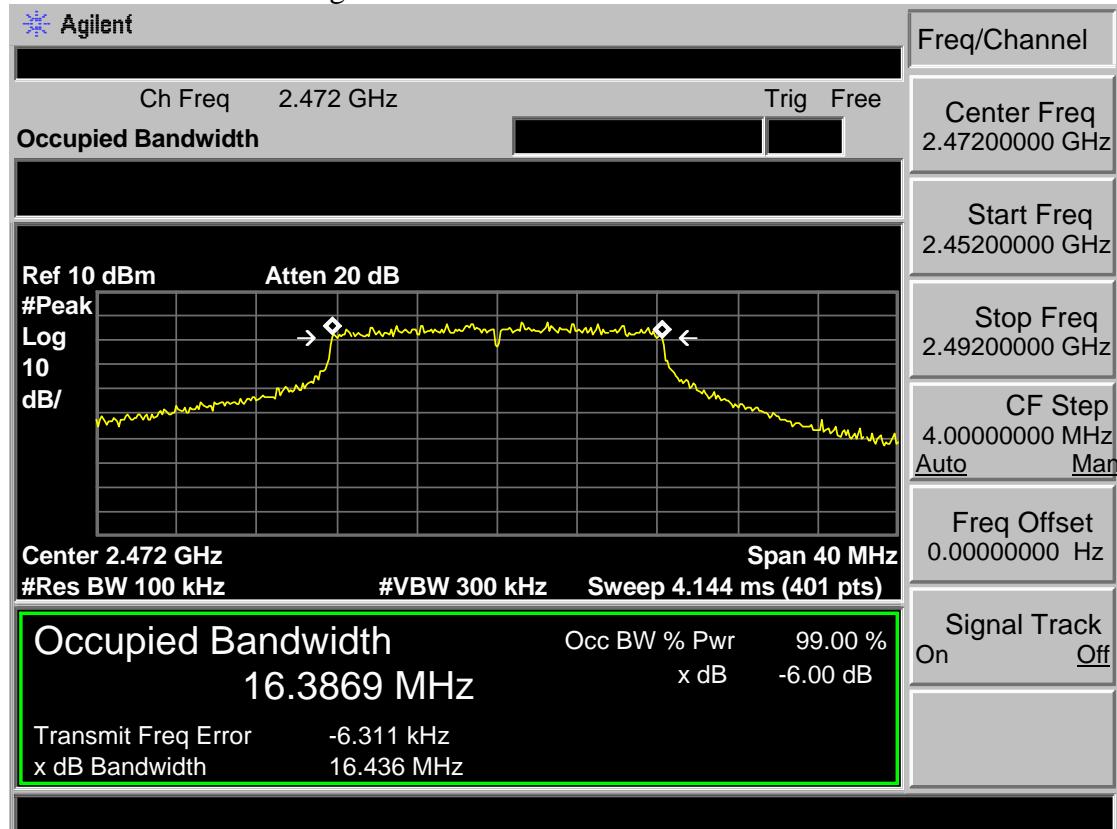
Test Mode: IEEE 802.11g 2412MHz



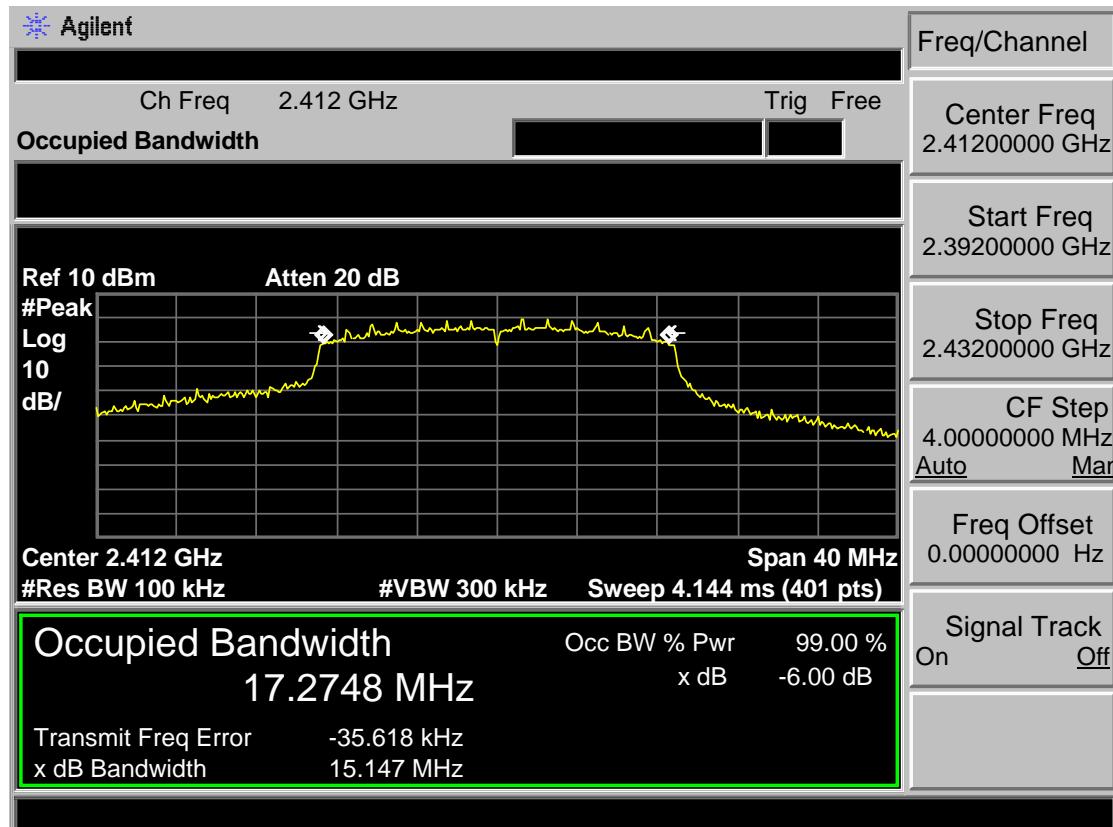
Test Mode: IEEE 802.11g 2442MHz



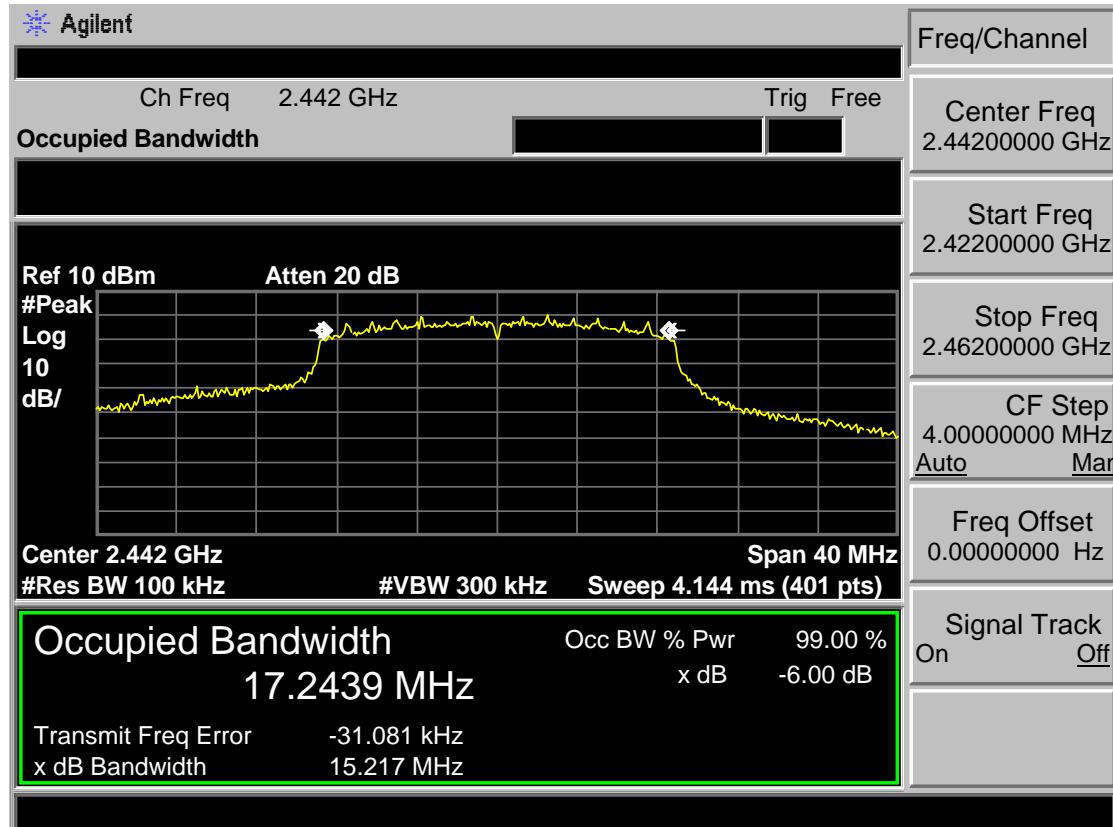
Test Mode: IEEE 802.11g 2472MHz



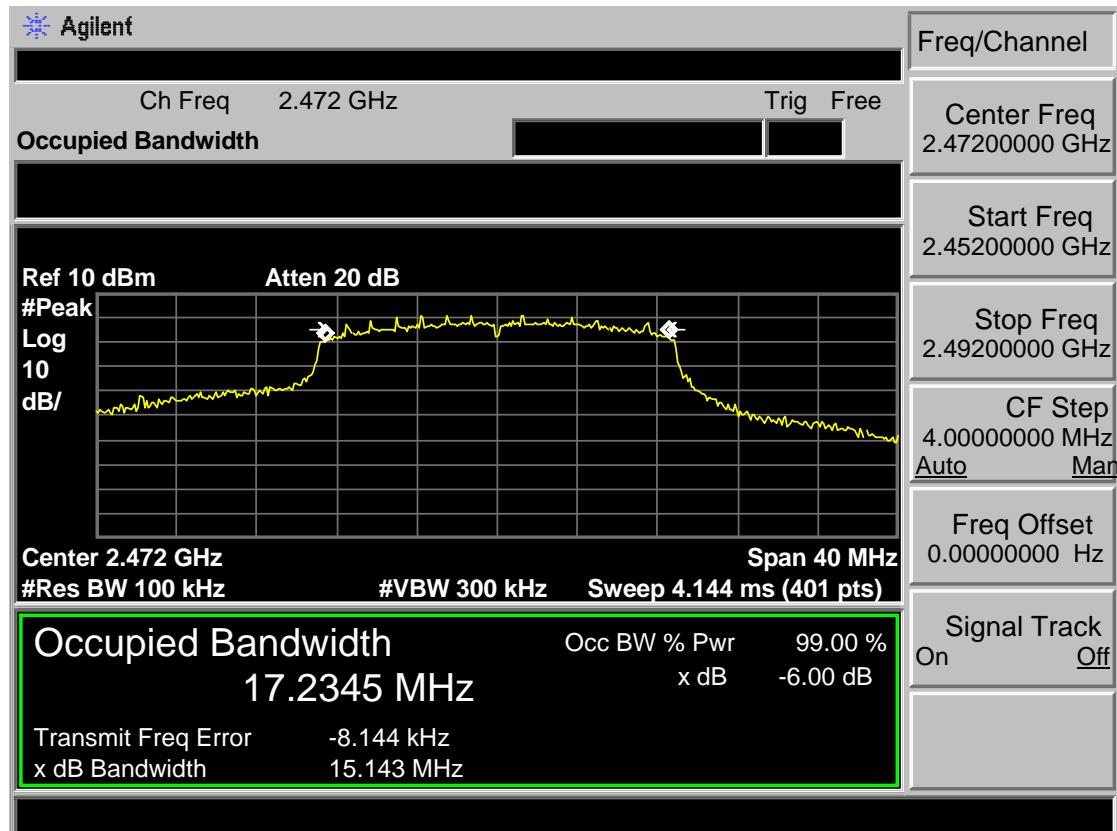
Test Mode: IEEE 802.11n HT20 2412MHz



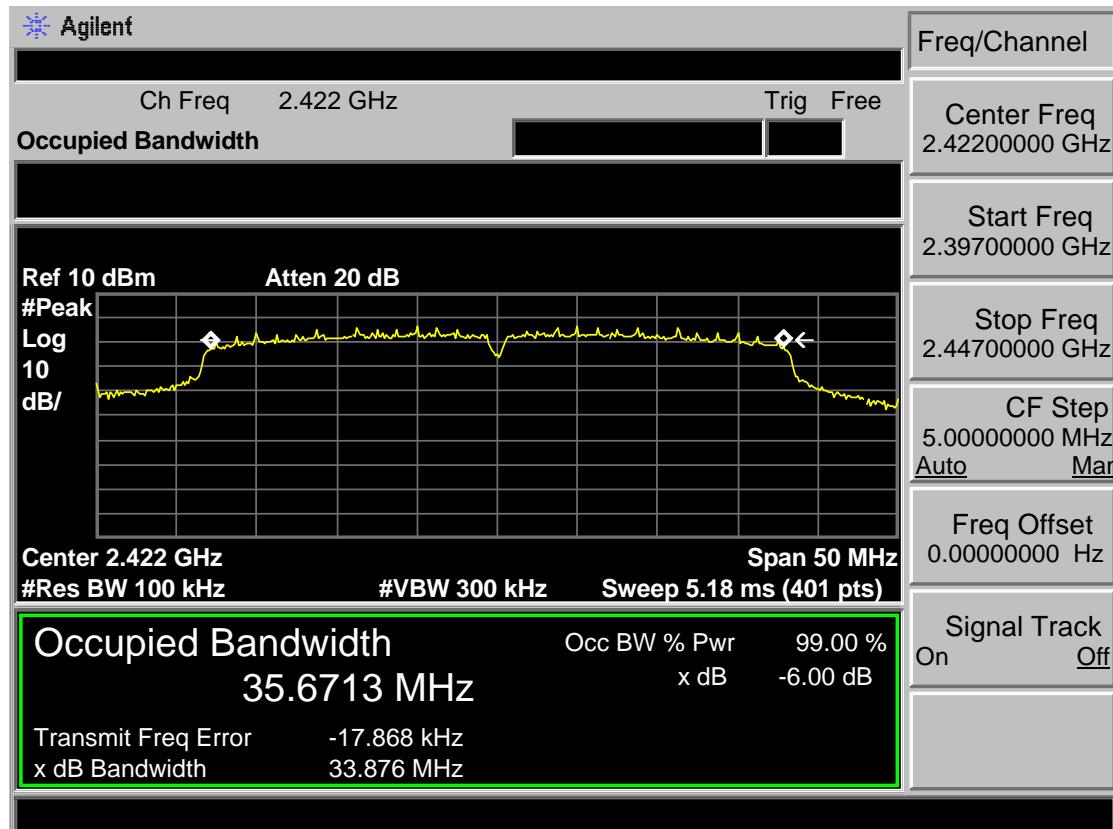
Test Mode: IEEE 802.11n HT20 2442MHz



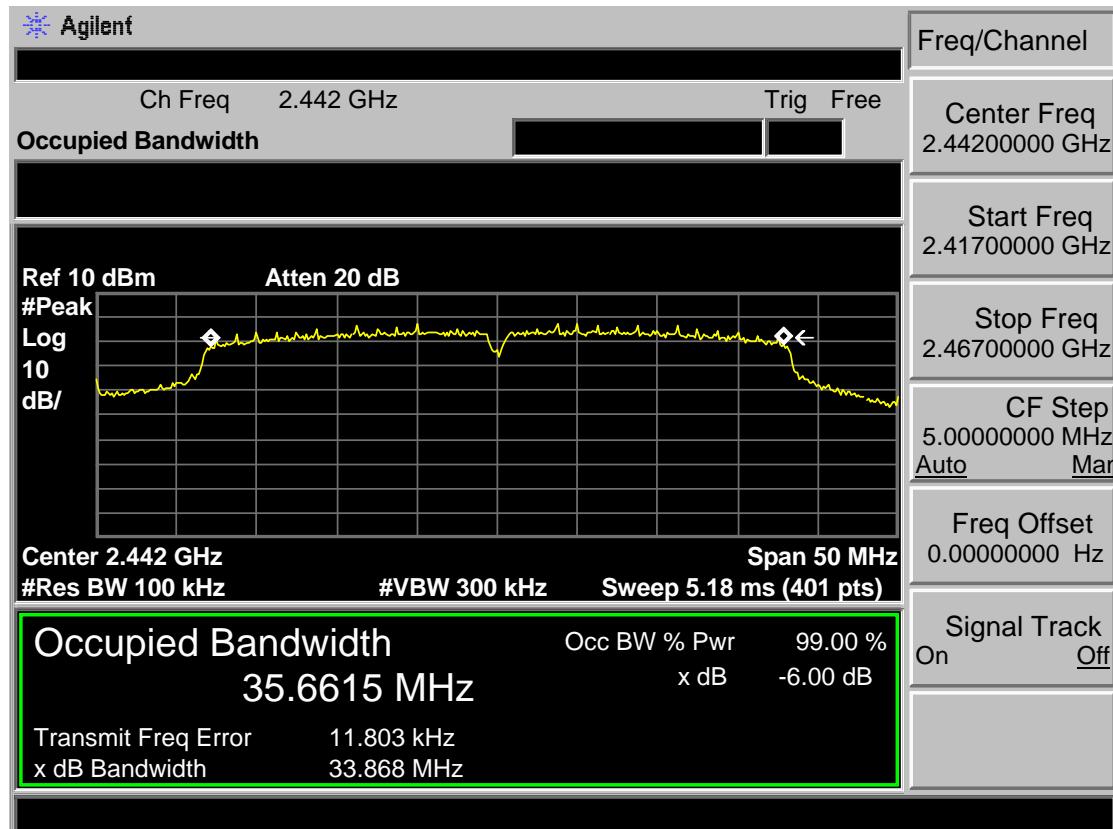
Test Mode: IEEE 802.11n HT20 2472MHz



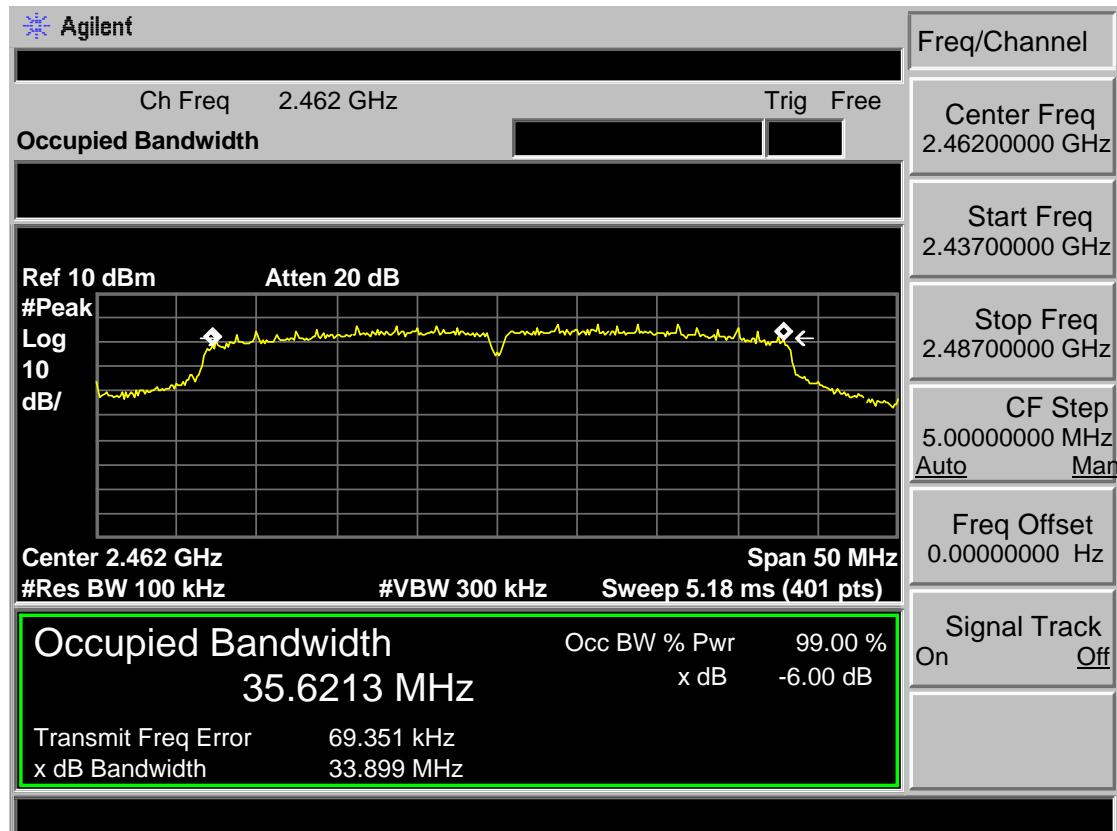
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2442MHz

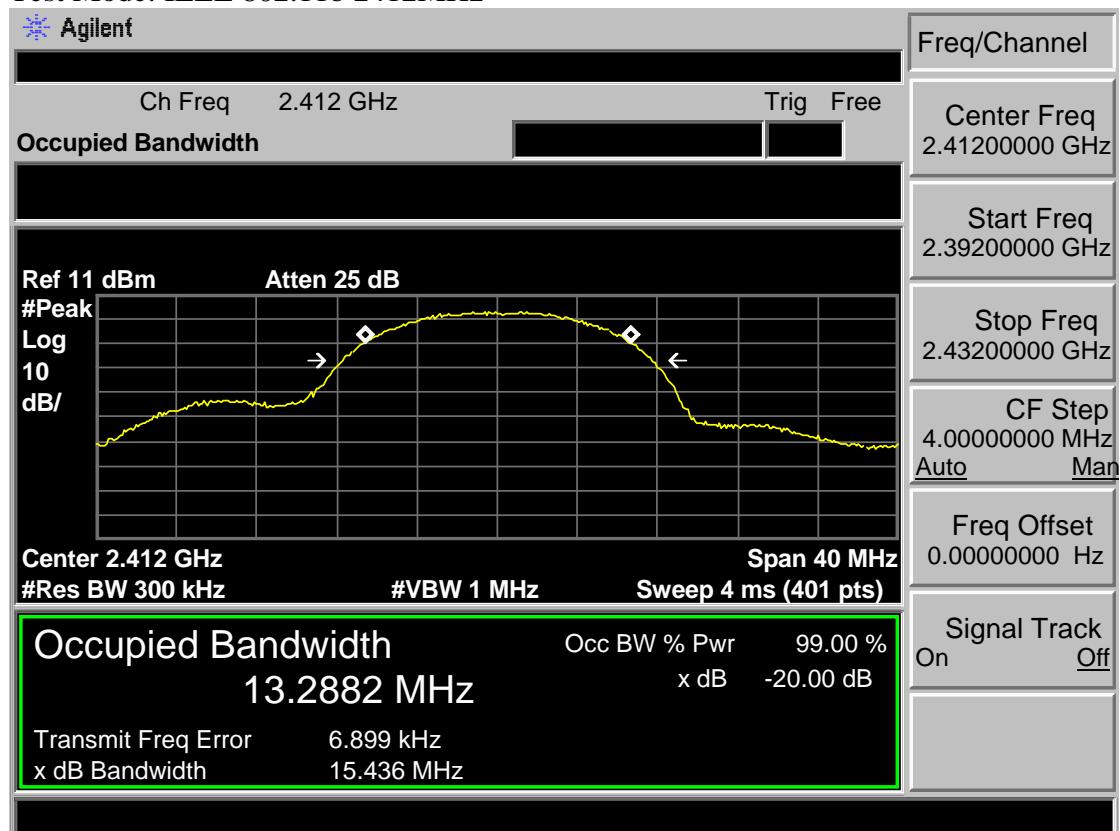


Test Mode: IEEE 802.11n HT40 2462MHz

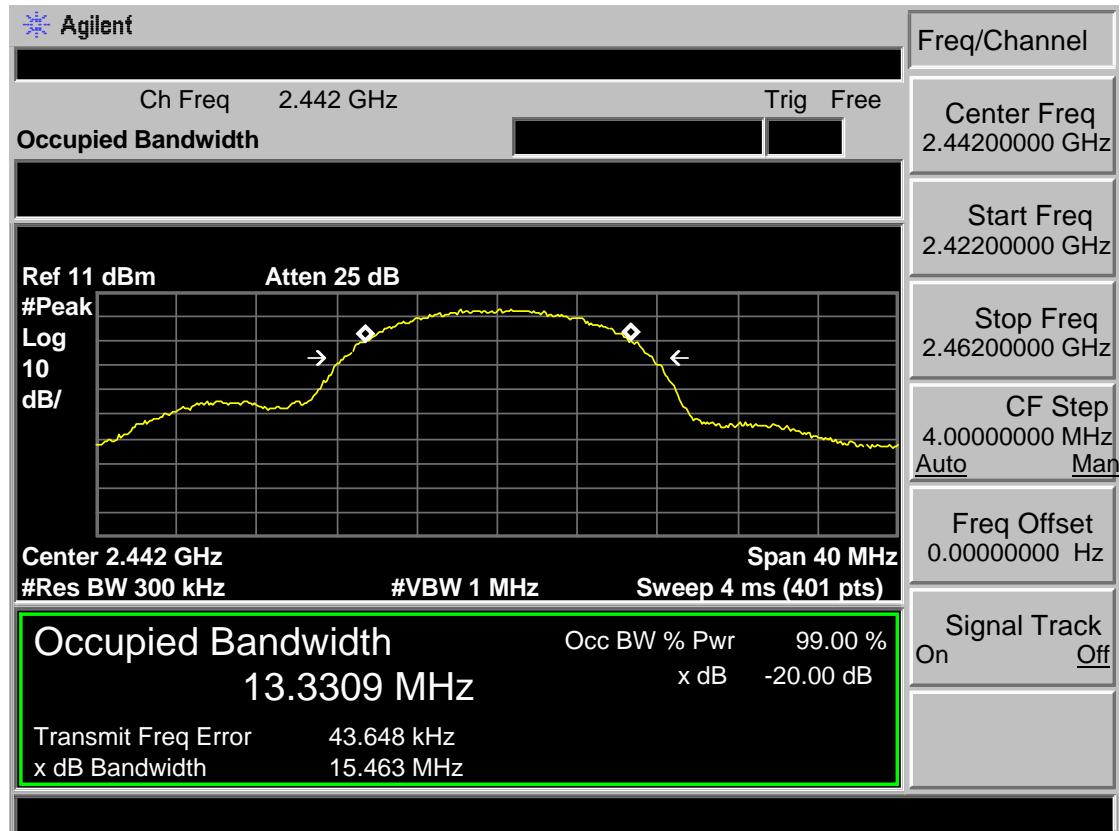


6.5 20dB Test Data

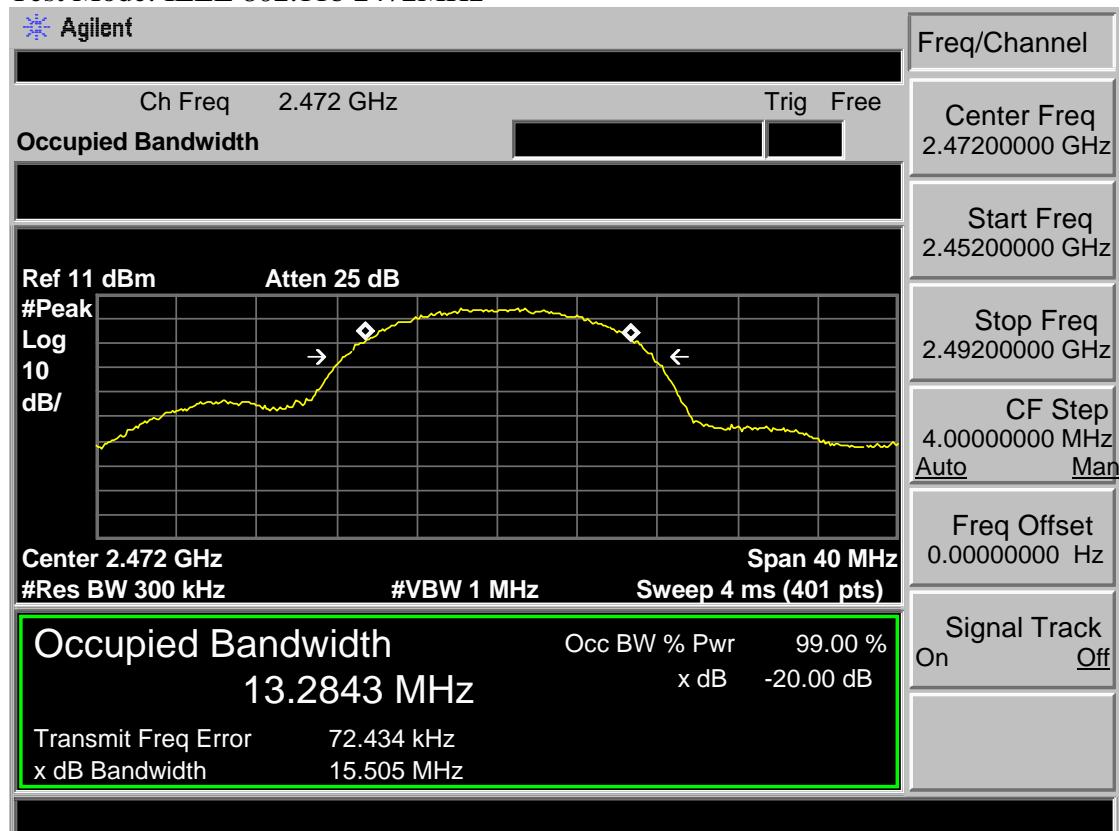
Test Mode: IEEE 802.11b 2412MHz



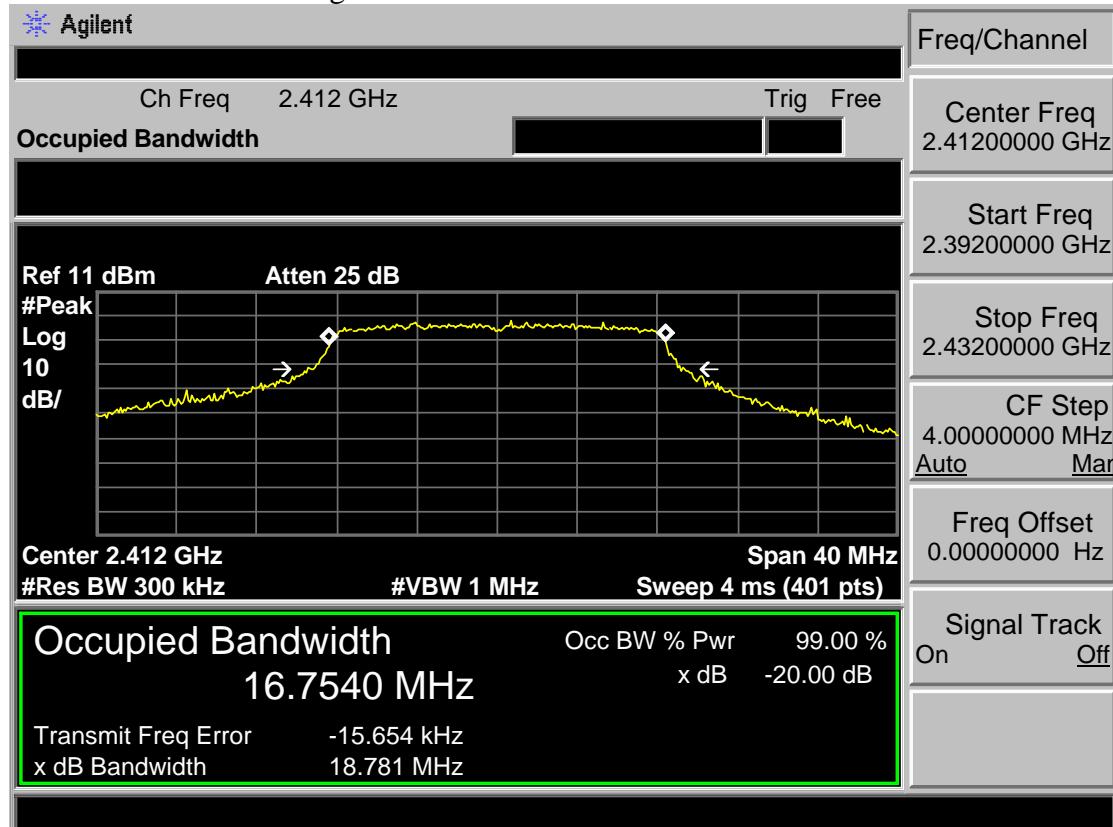
Test Mode: IEEE 802.11b 2442MHz



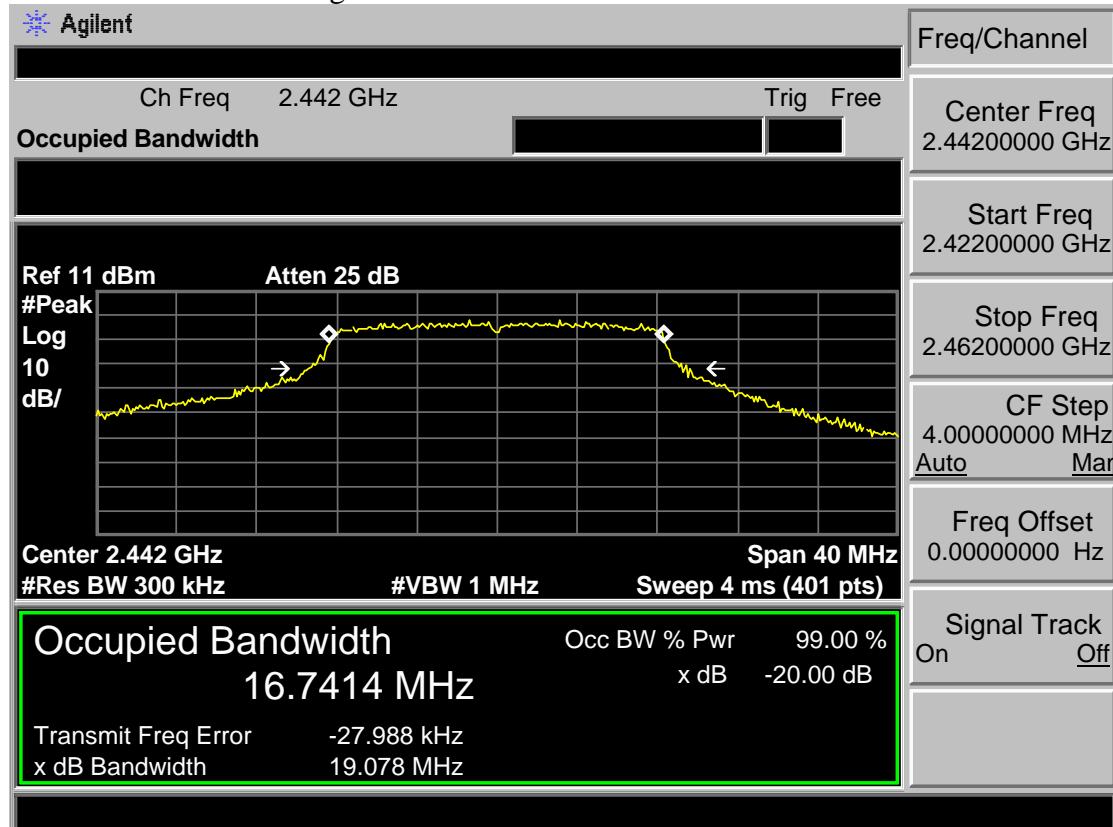
Test Mode: IEEE 802.11b 2472MHz



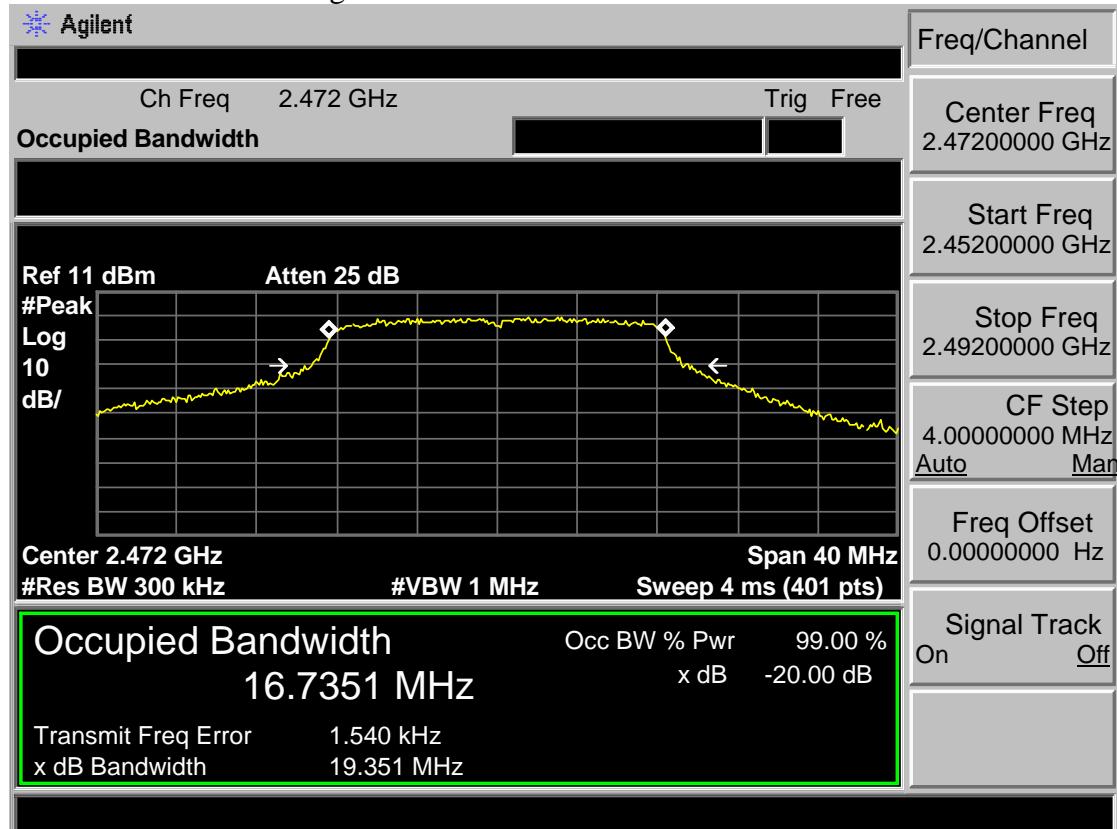
Test Mode: IEEE 802.11g 2412MHz



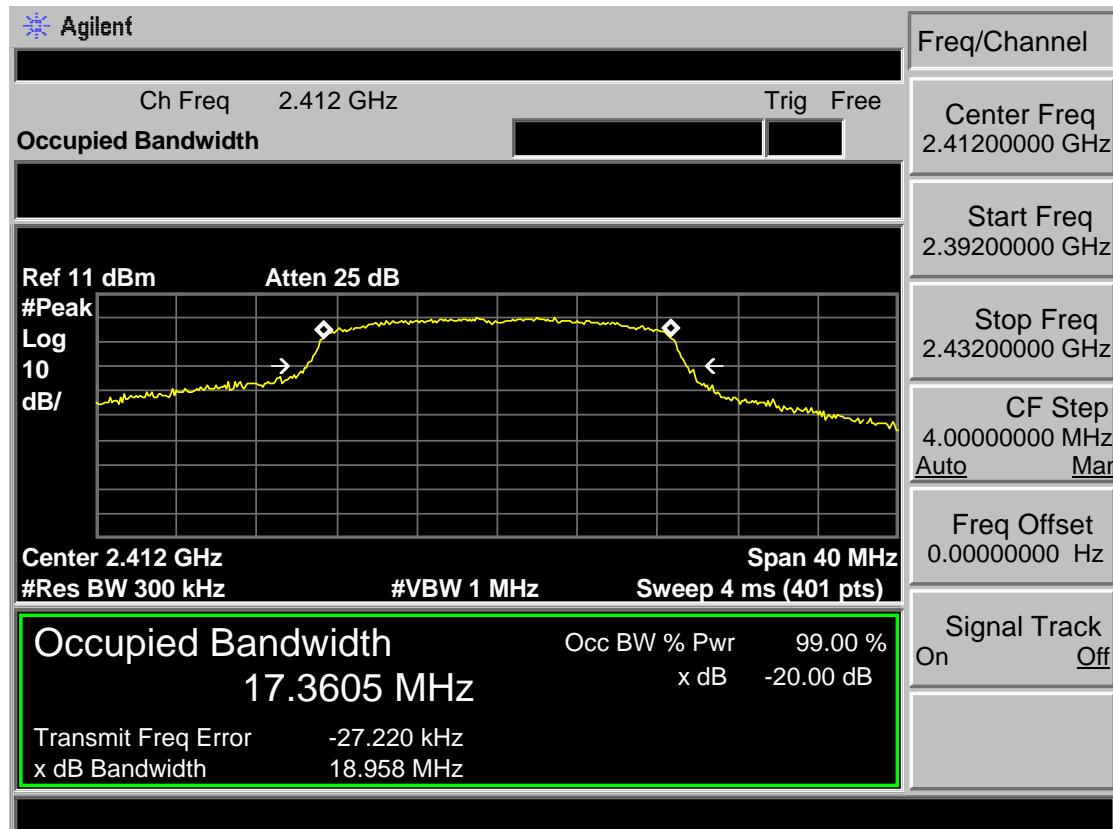
Test Mode: IEEE 802.11g 2442MHz



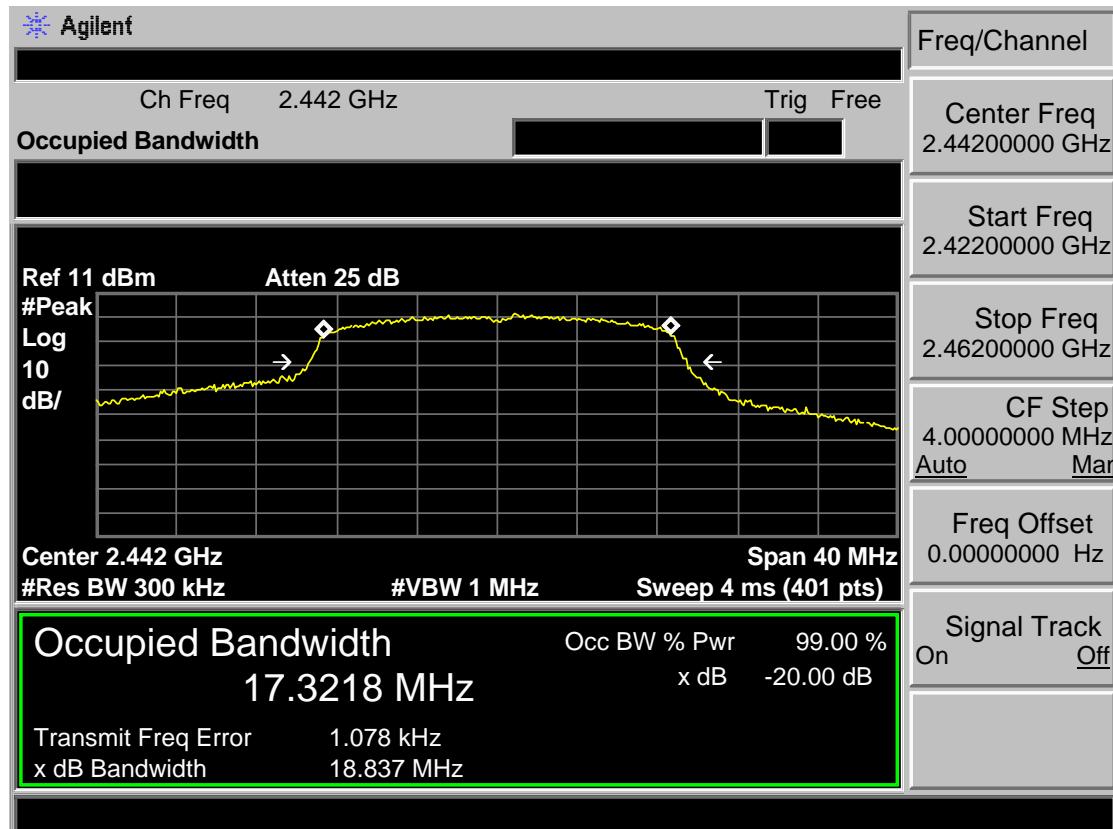
Test Mode: IEEE 802.11g 2472MHz



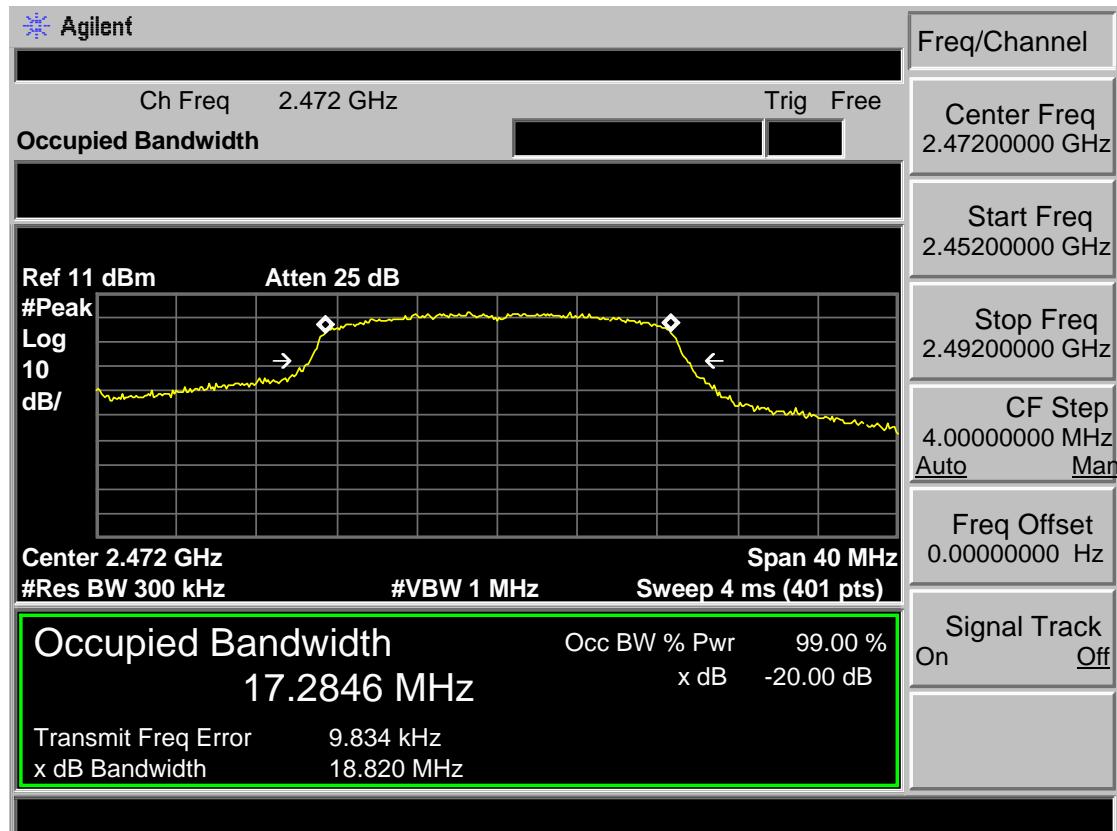
Test Mode: IEEE 802.11n HT20 2412MHz



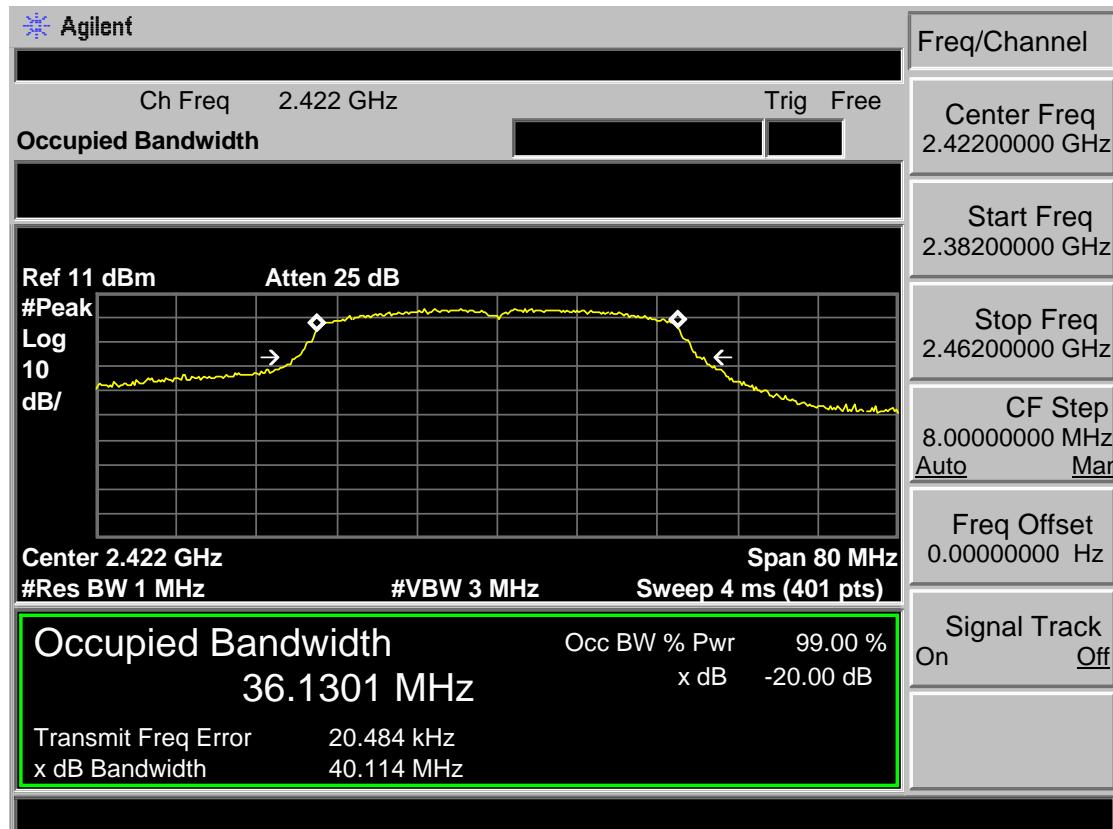
Test Mode: IEEE 802.11n HT20 2442MHz



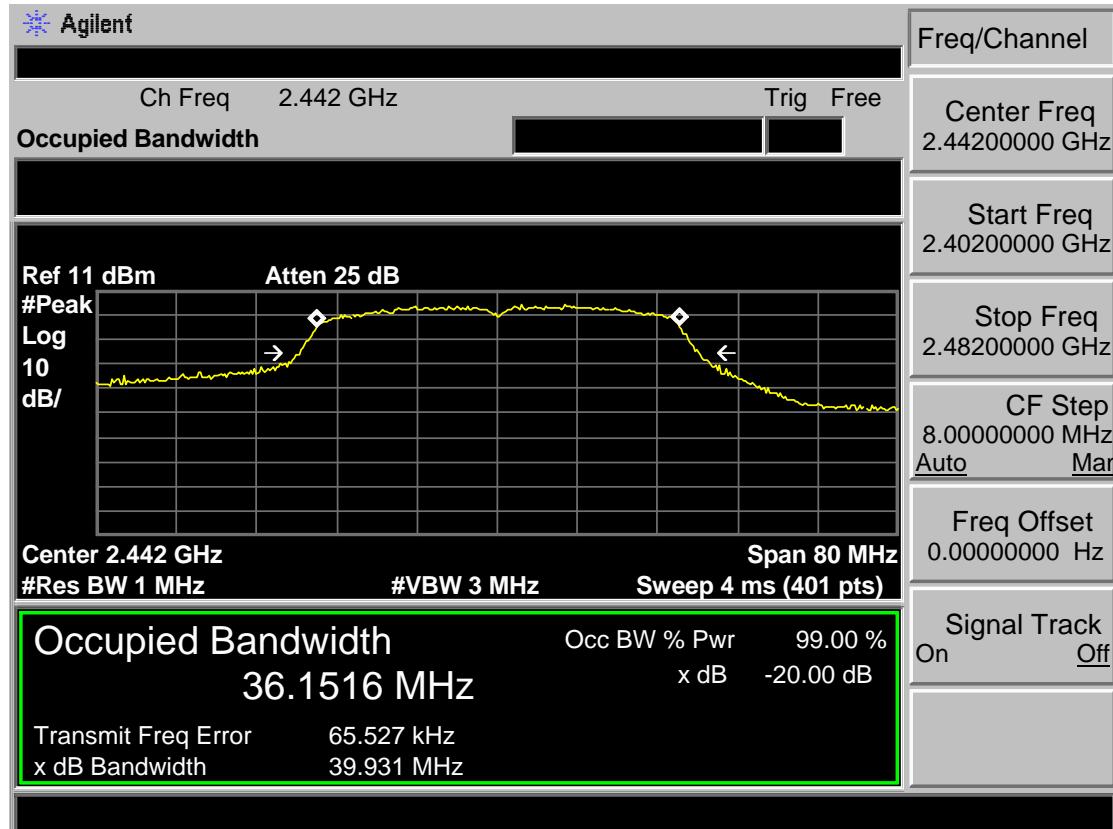
Test Mode: IEEE 802.11n HT20 2472MHz



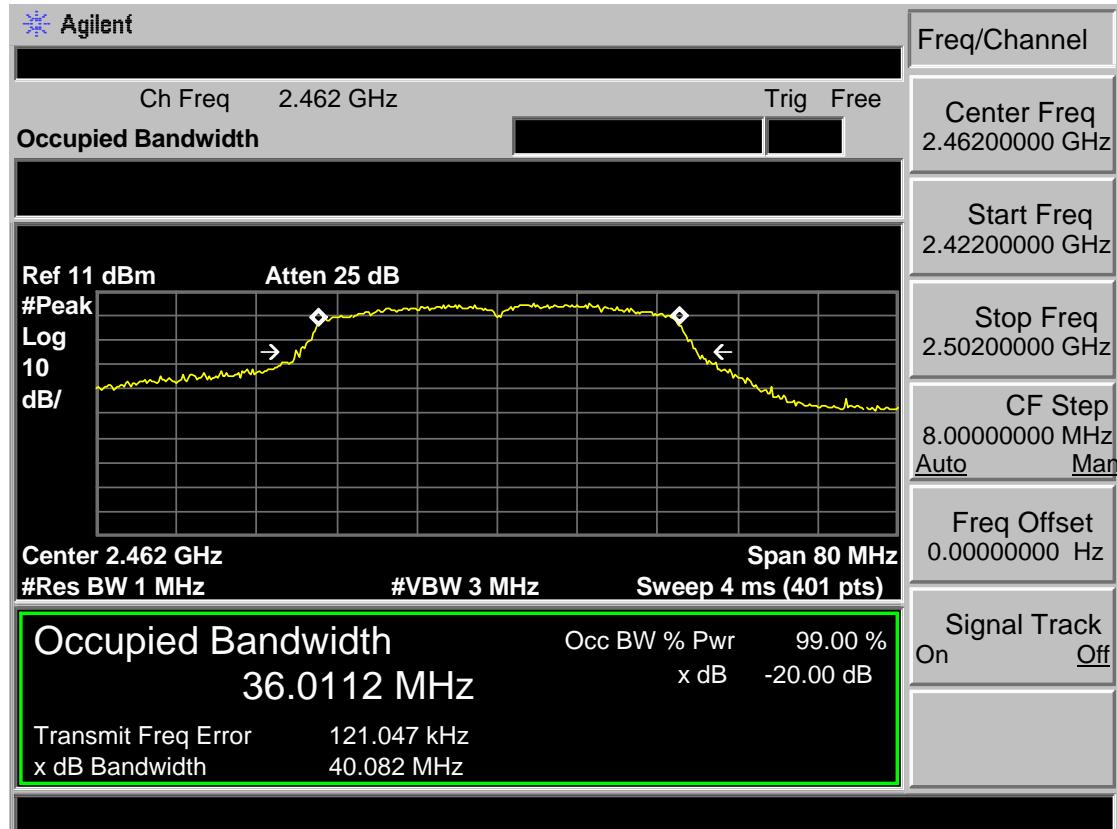
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2442MHz



Test Mode: IEEE 802.11n HT40 2462MHz



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, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 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 x 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.

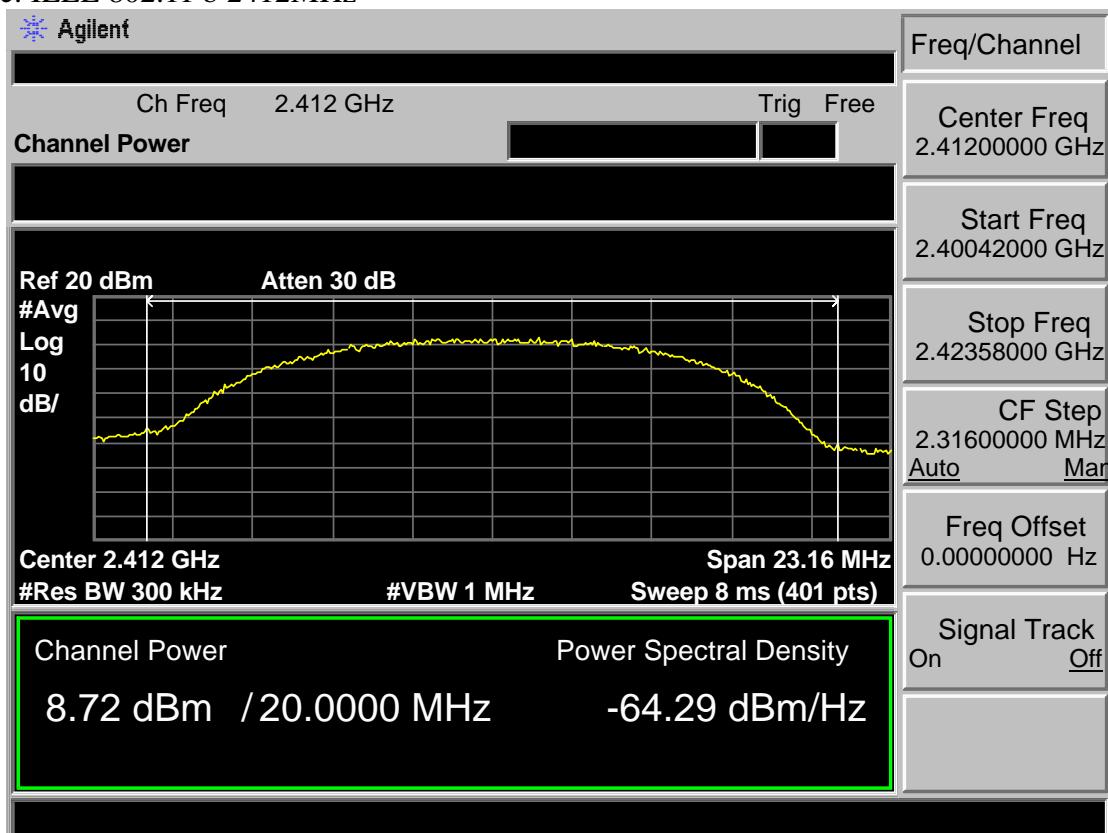
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

7.4 Test Result

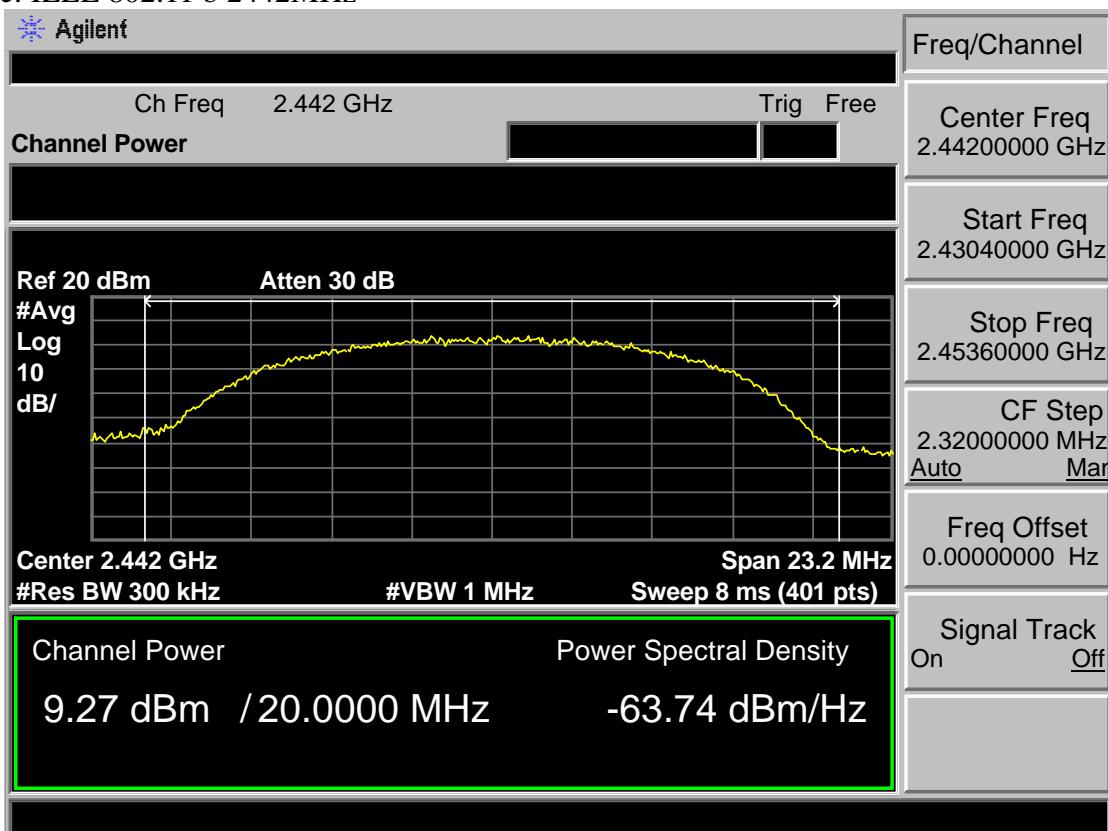
EUT: Avi-on Remote Access Bridge			
M/N: 2001RAB			
Test date: 2016-07-10		Tested by: Tony.Tang	Test site: RF Site
Pass			
Test Mode	CH	Conducted Power (dBm)	Limit (dBm)
IEEE 802.11 b	CH1	8.72	30
	CH7	9.27	30
	CH13	10.17	30
IEEE 802.11 g	CH1	4.48	30
	CH7	5.01	30
	CH13	6.39	30
IEEE 802.11 n HT 20	CH1	7.94	30
	CH7	8.74	30
	CH13	9.71	30
IEEE 802.11 n HT 40	CH1	7.96	30
	CH5	8.55	30
	CH9	9.58	30
Conclusion : PASS			

7.5 Test Data

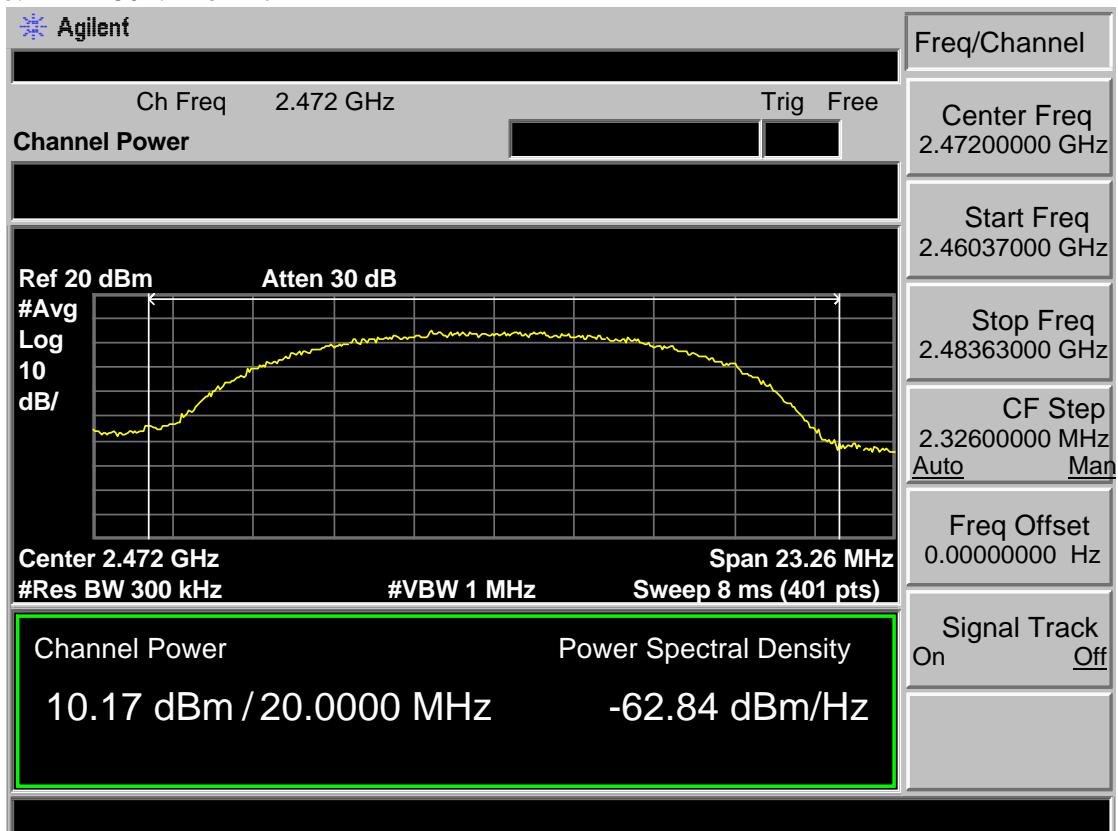
Test Mode: IEEE 802.11 b 2412MHz



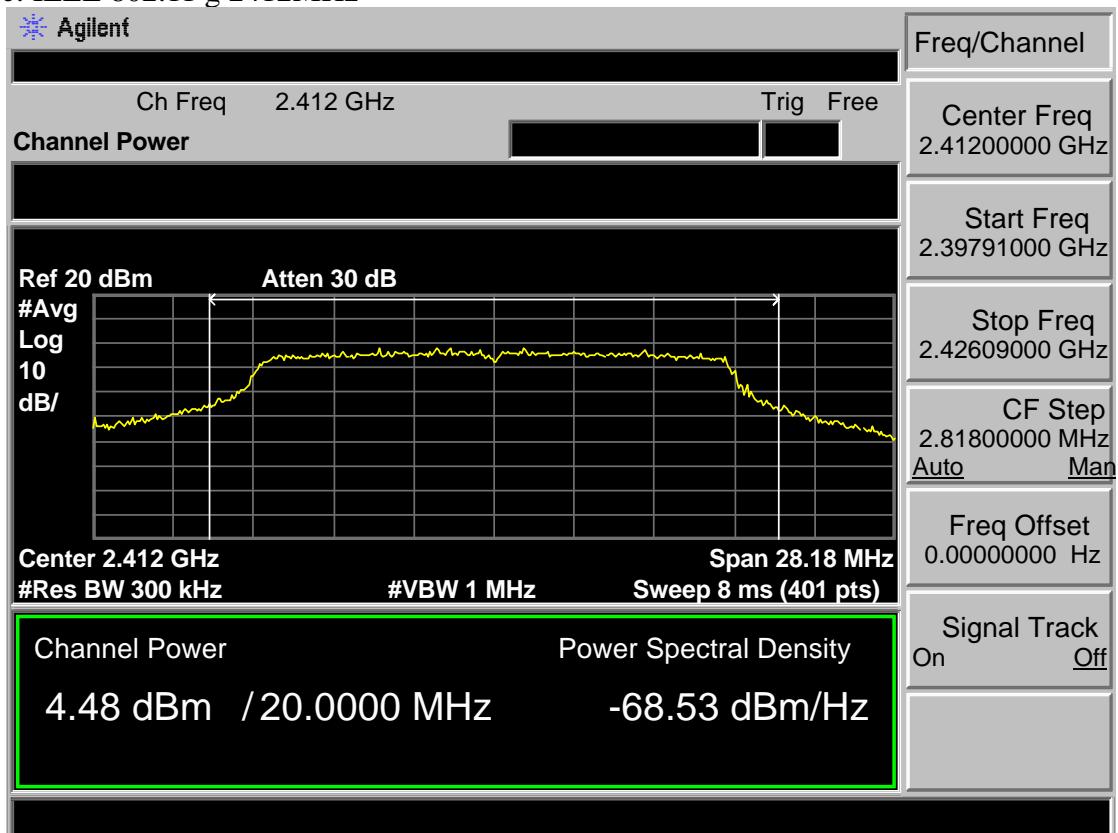
Test Mode: IEEE 802.11 b 2442MHz



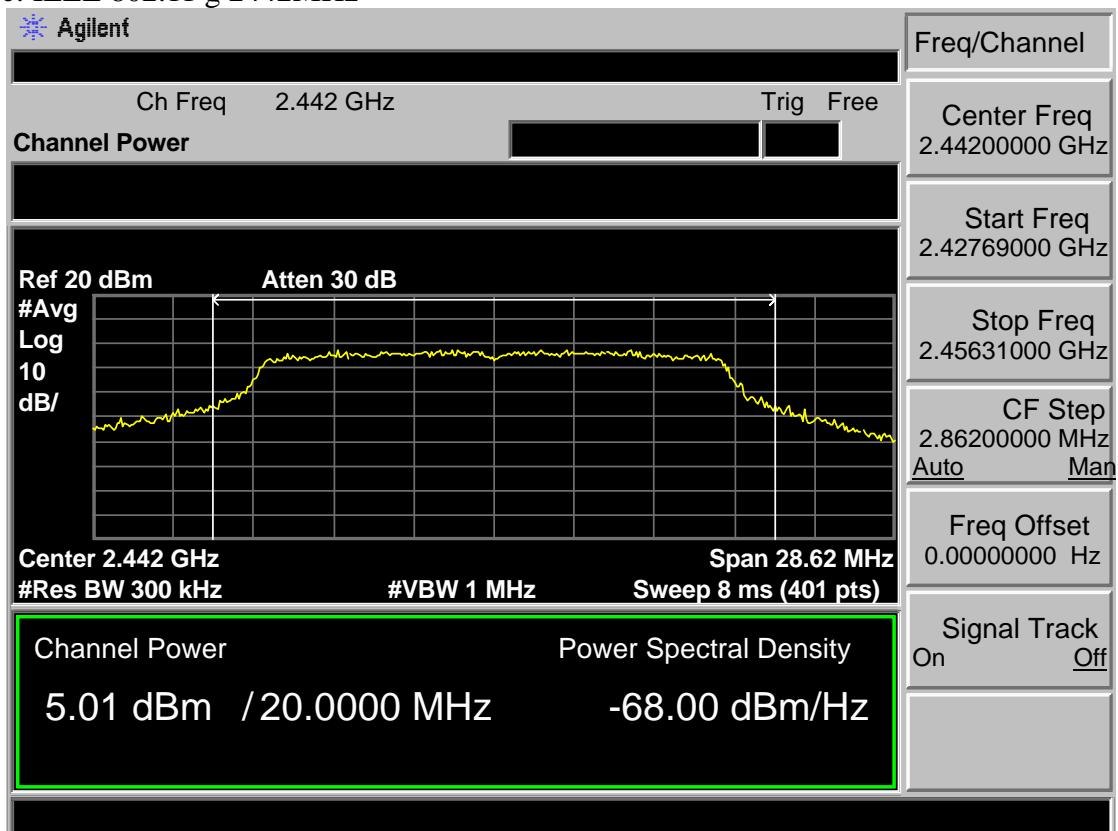
Test Mode: IEEE 802.11 b 2472MHz



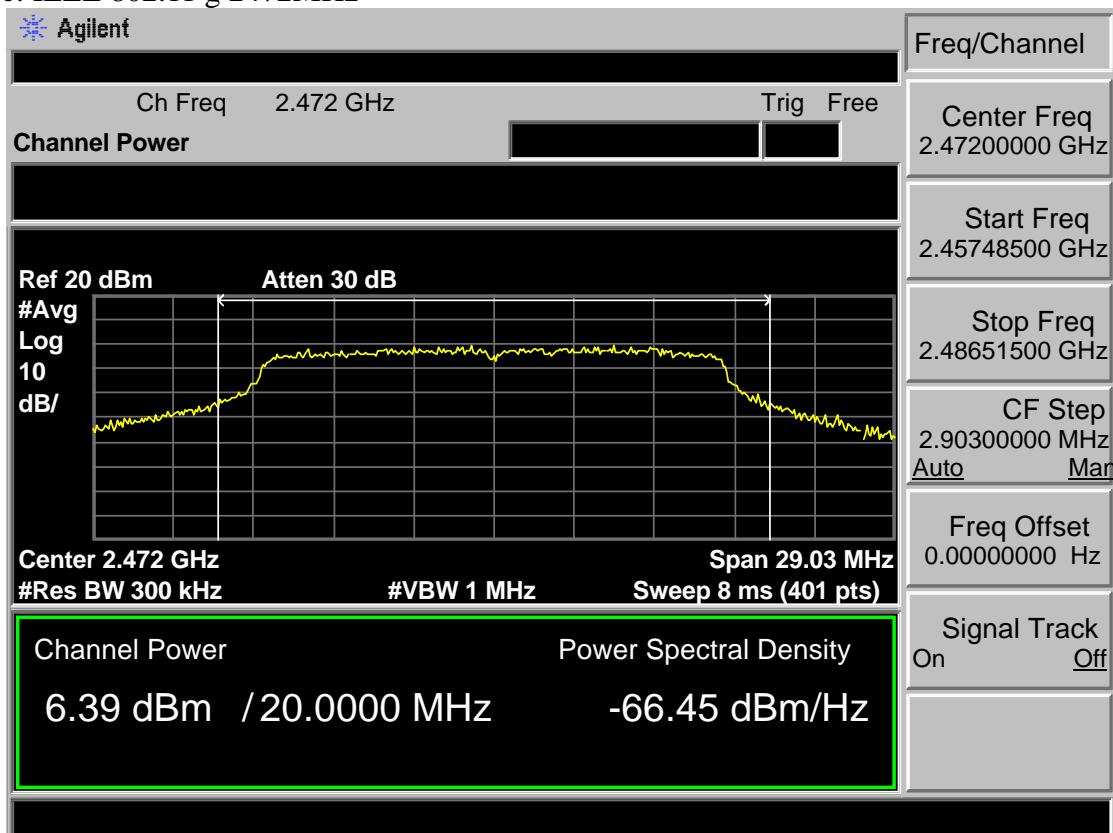
Test Mode: IEEE 802.11 g 2412MHz



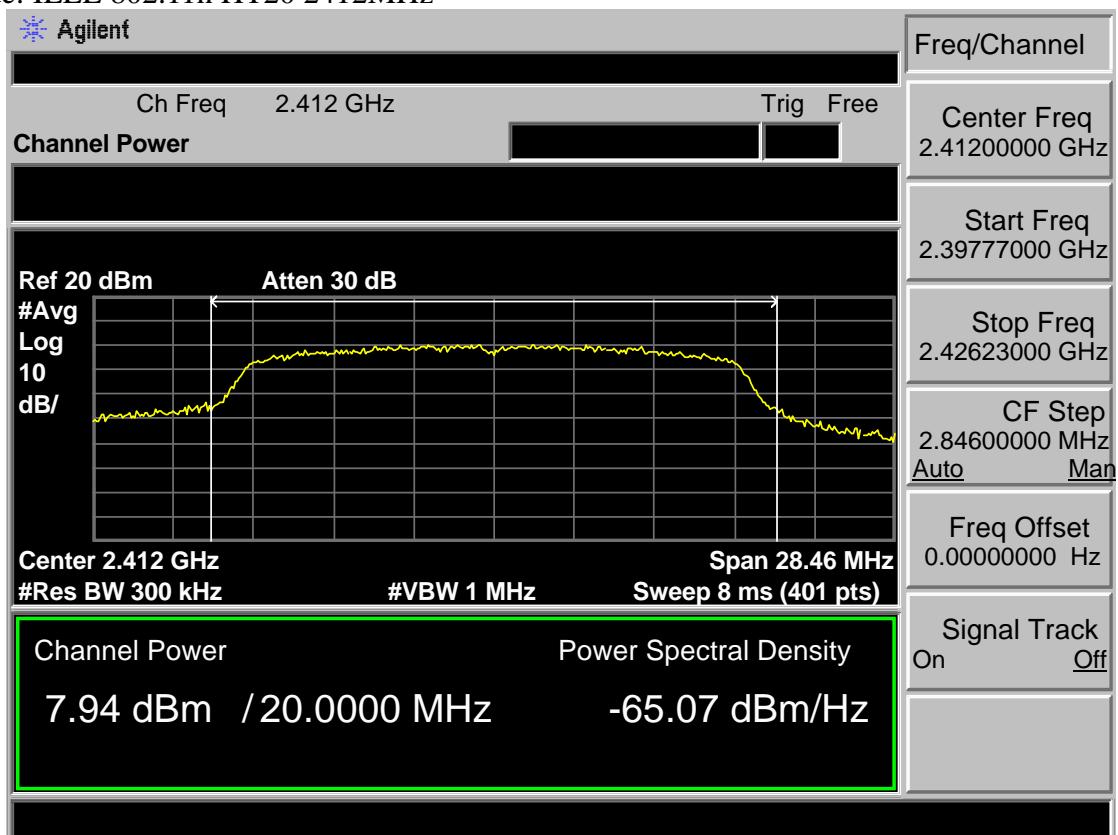
Test Mode: IEEE 802.11 g 2442MHz



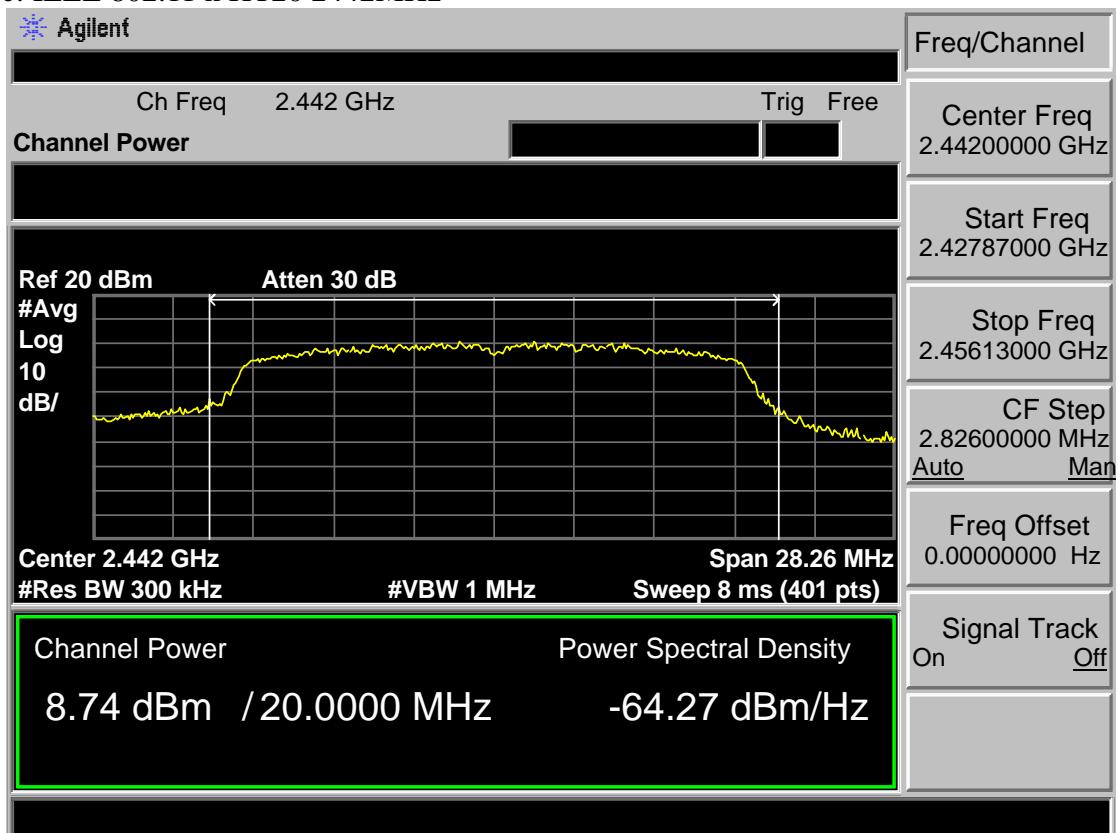
Test Mode: IEEE 802.11 g 2472MHz



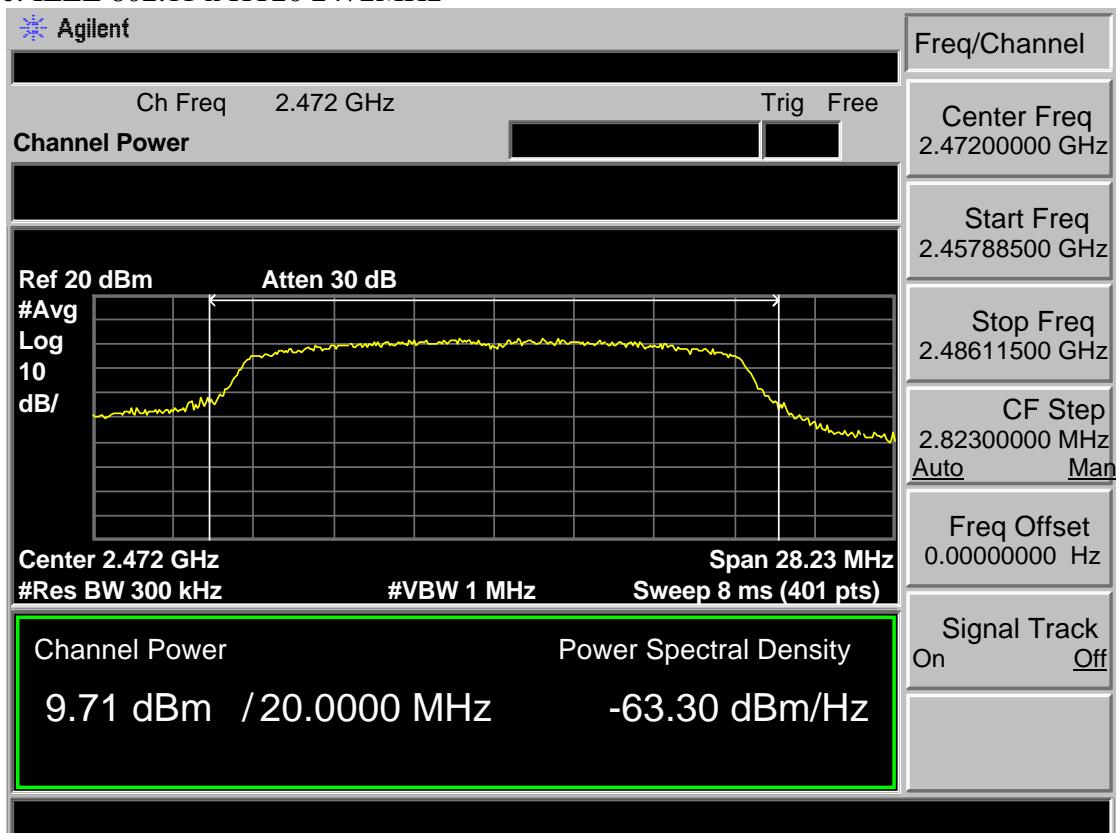
Test Mode: IEEE 802.11n HT20 2412MHz



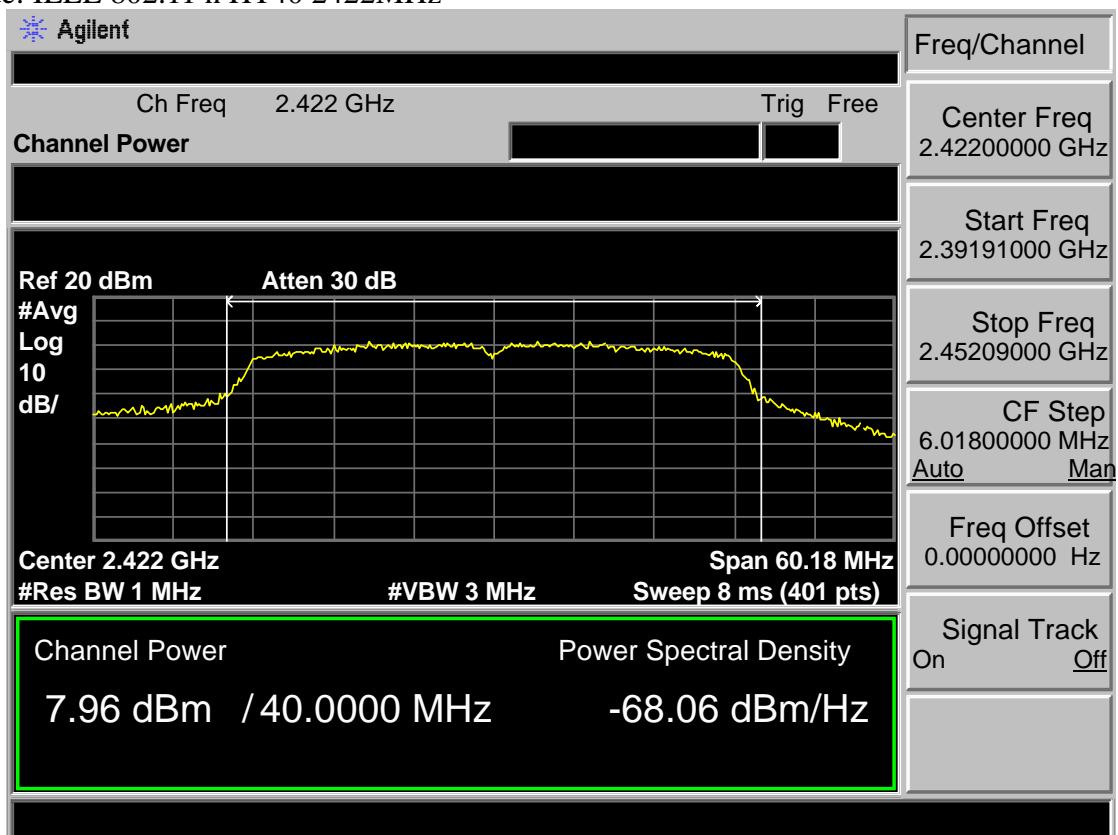
Test Mode: IEEE 802.11 n HT20 2442MHz



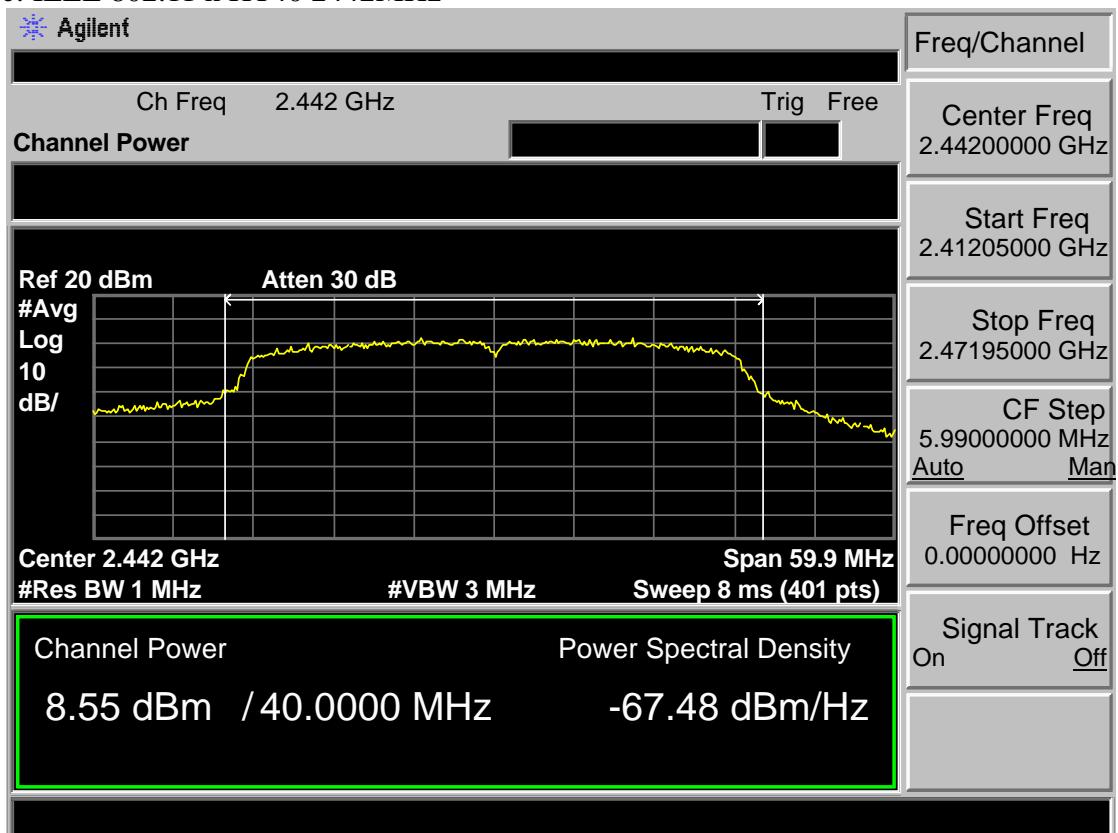
Test Mode: IEEE 802.11 n HT20 2472MHz



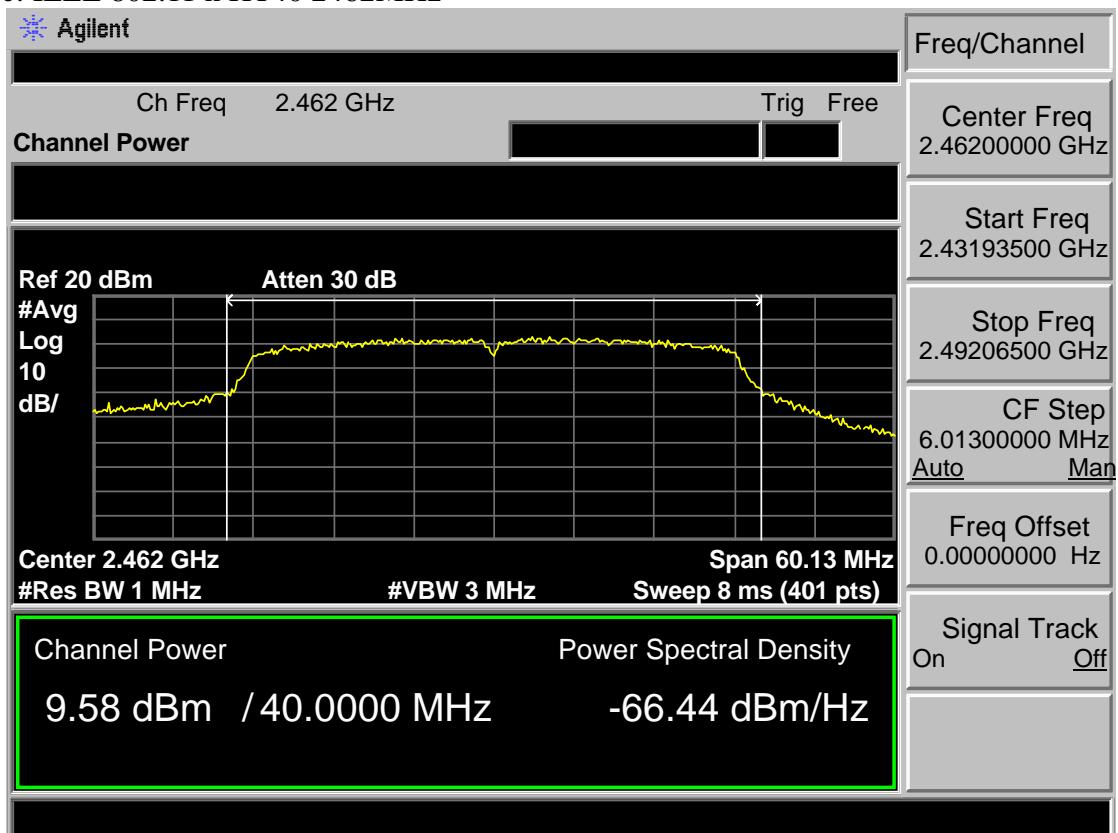
Test Mode: IEEE 802.11 n HT40 2422MHz



Test Mode: IEEE 802.11 n HT40 2442MHz



Test Mode: IEEE 802.11 n HT40 2462MHz



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

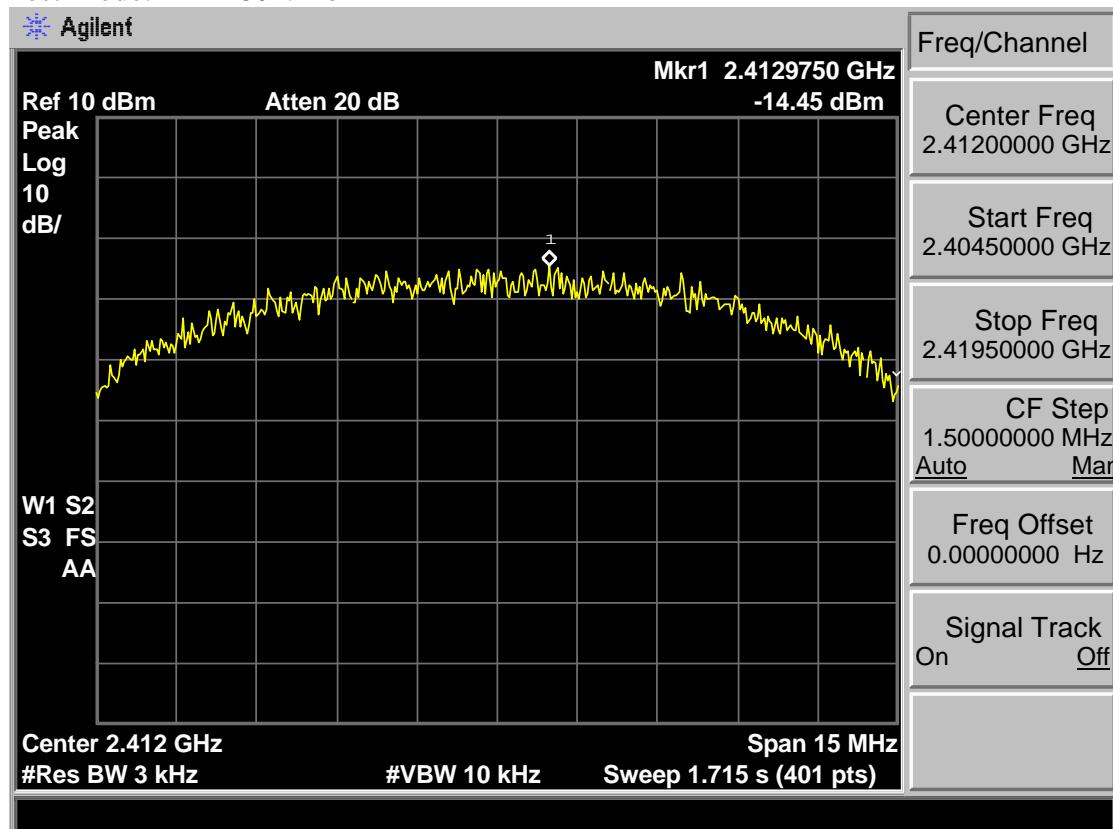
- 1, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set analyzer center frequency to DTS channel center frequency.
 - (2). Set the span to 1.5 times the DTS bandwidth.
 - (3). Set the RBW to: $3 \text{ kHz} \leqslant \text{RBW} \leqslant 100 \text{ kHz}$.
 - (4). Set the VBW $\geqslant 3 \text{ RBW}$.
 - (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

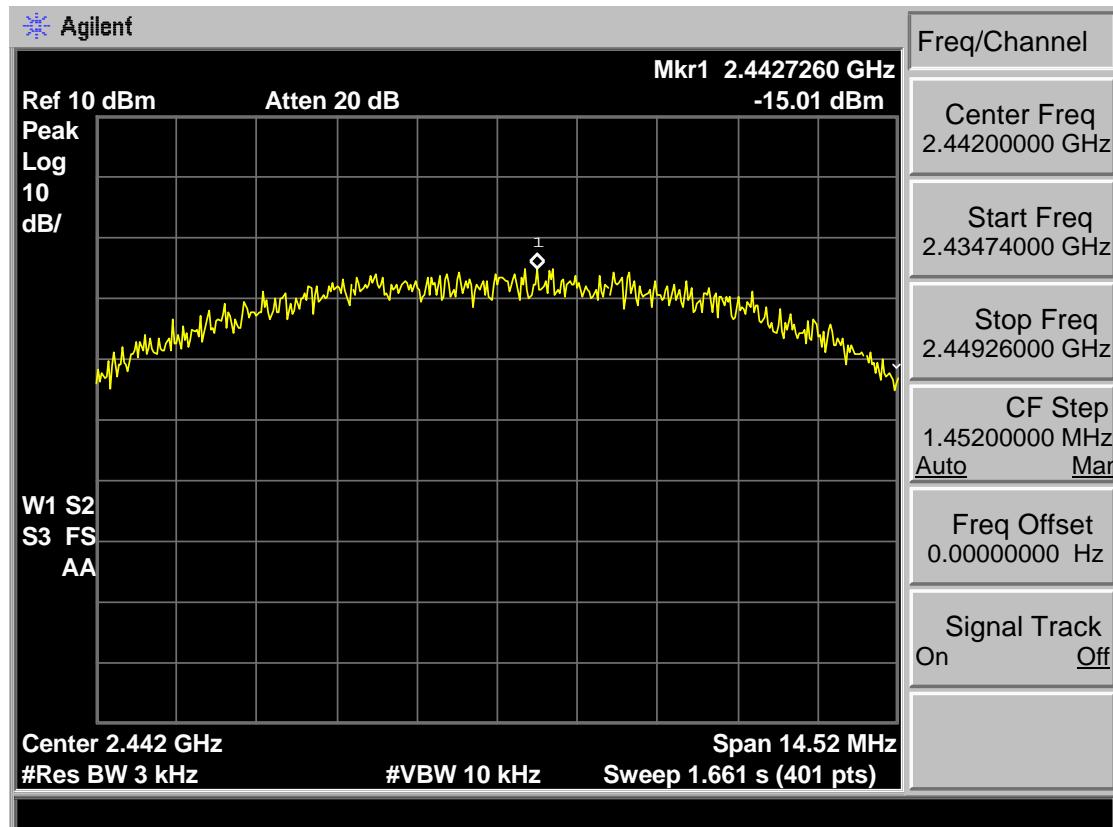
EUT: Avi-on Remote Access Bridge			
M/N: 2001RAB			
Test date: 2016-07-10		Tested by: Tony Tang	Test site: RF site
Pass			
Test Mode	CH	Power density (dBm/3kHz)	Limit (dBm/3kHz)
IEEE 802.11 b	CH1	-14.45	8
	CH7	-15.01	8
	CH13	-12.55	8
IEEE 802.11 g	CH1	-20.44	8
	CH7	-19.25	8
	CH13	-18.09	8
IEEE 802.11 n HT 20	CH1	-16.83	8
	CH7	-16.10	8
	CH13	-14.75	8
IEEE 802.11 n HT 40	CH1	-19.22	8
	CH5	-18.66	8
	CH9	-16.80	8
Conclusion: PASS			

8.4 Test Data

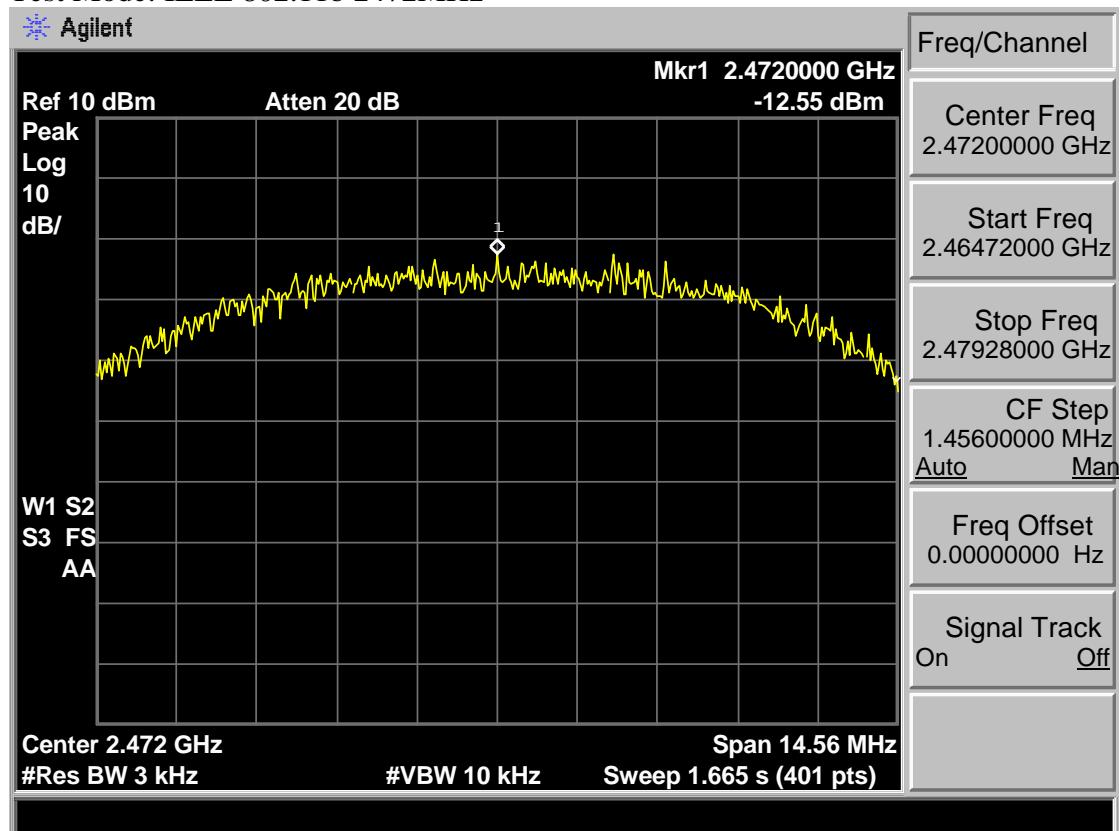
Test Mode: IEEE 802.11b 2412MHz



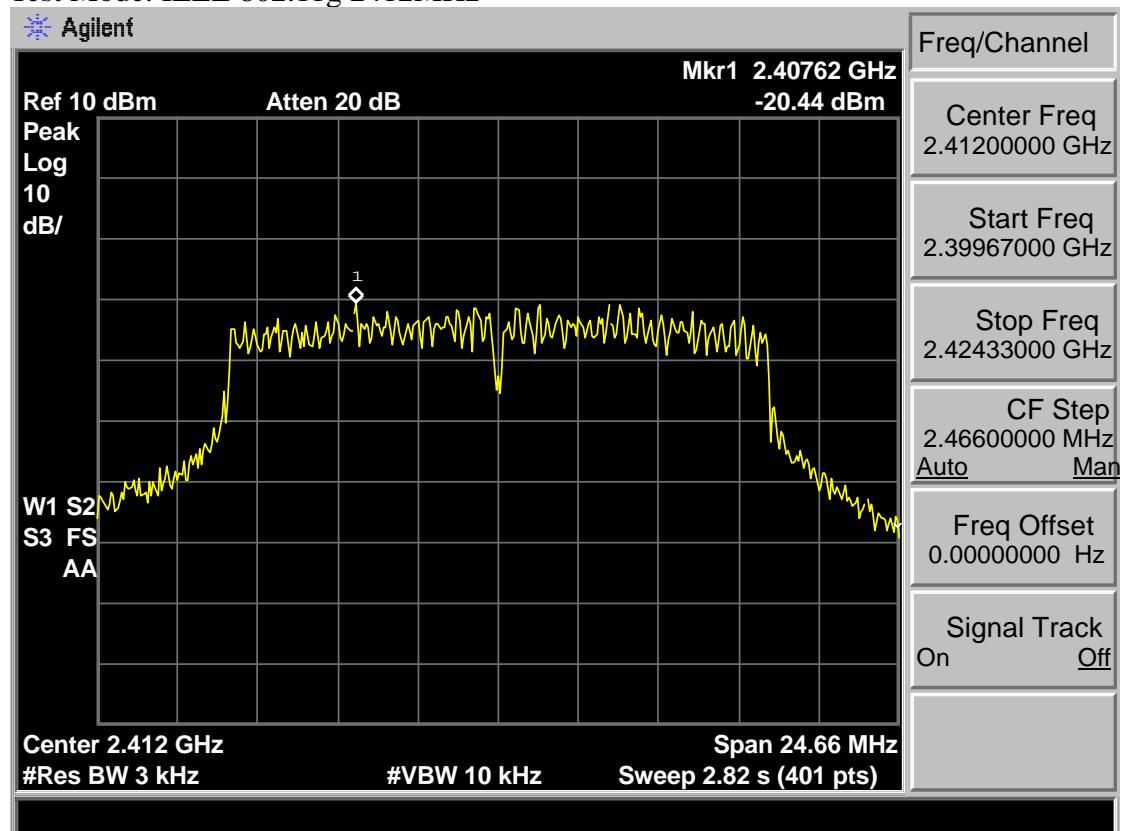
Test Mode: IEEE 802.11b 2442MHz



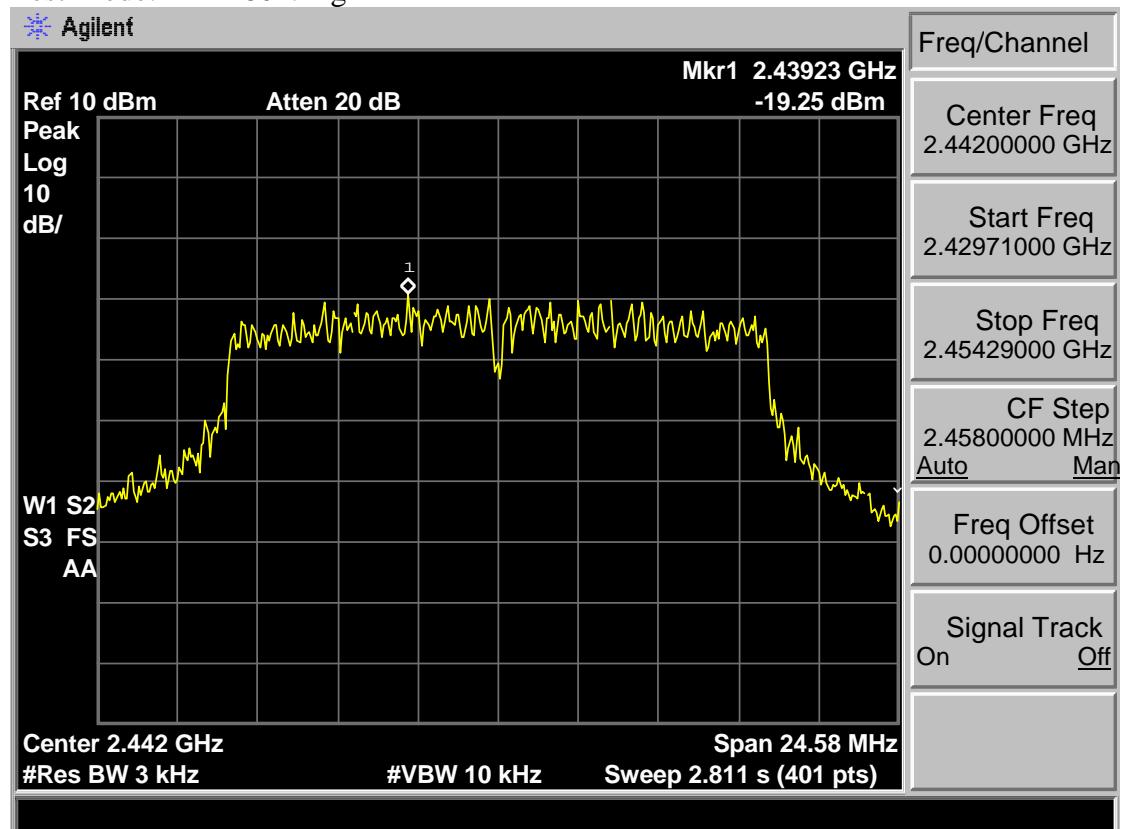
Test Mode: IEEE 802.11b 2472MHz



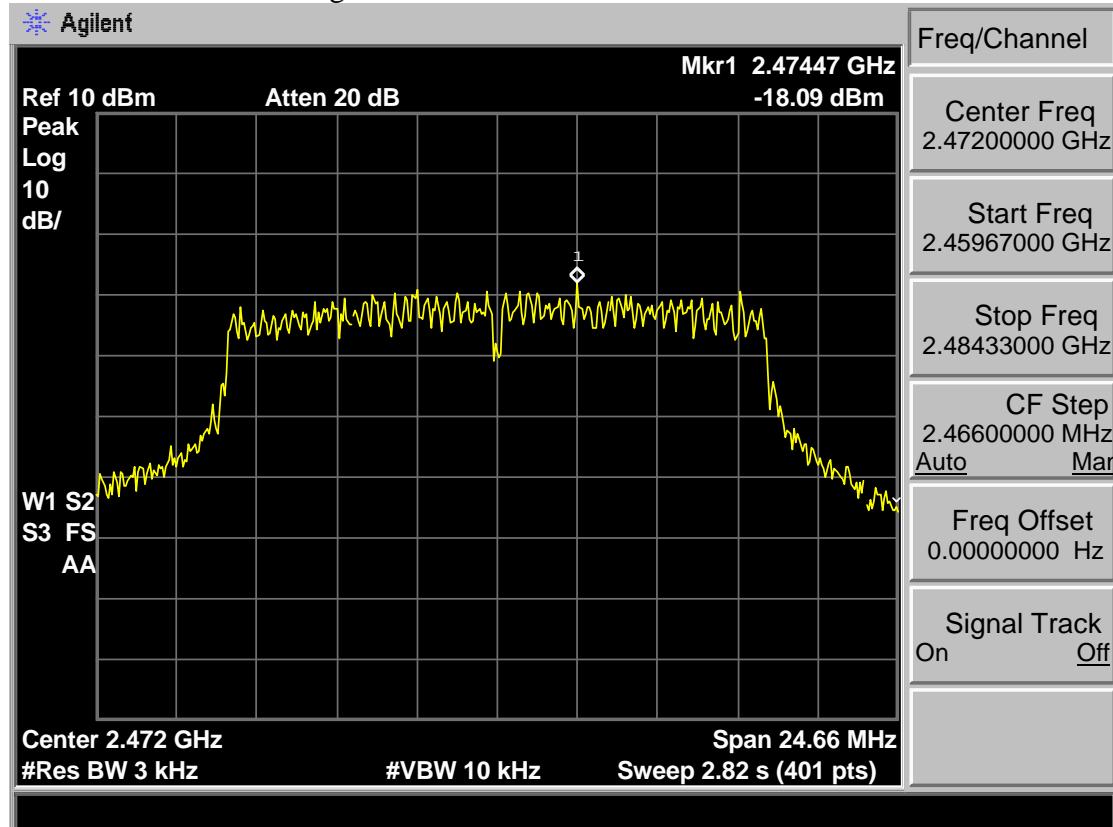
Test Mode: IEEE 802.11g 2412MHz



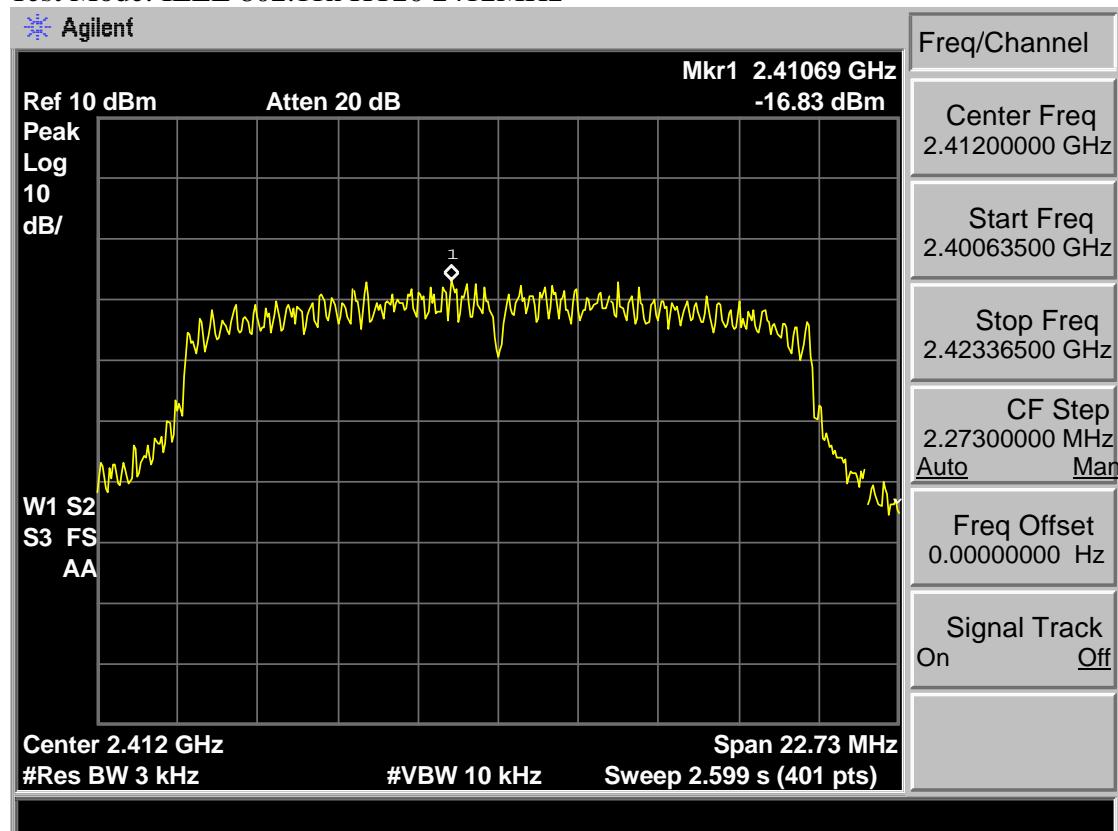
Test Mode: IEEE 802.11g 2442MHz



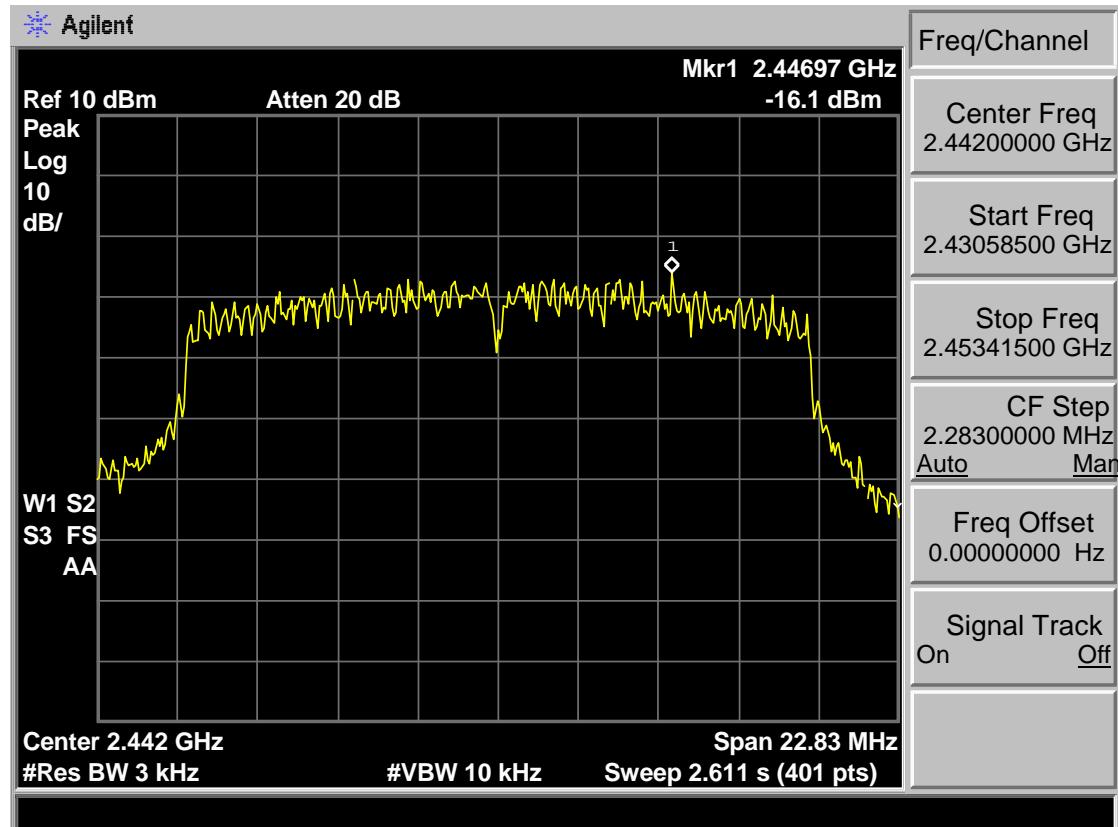
Test Mode: IEEE 802.11g 2472MHz



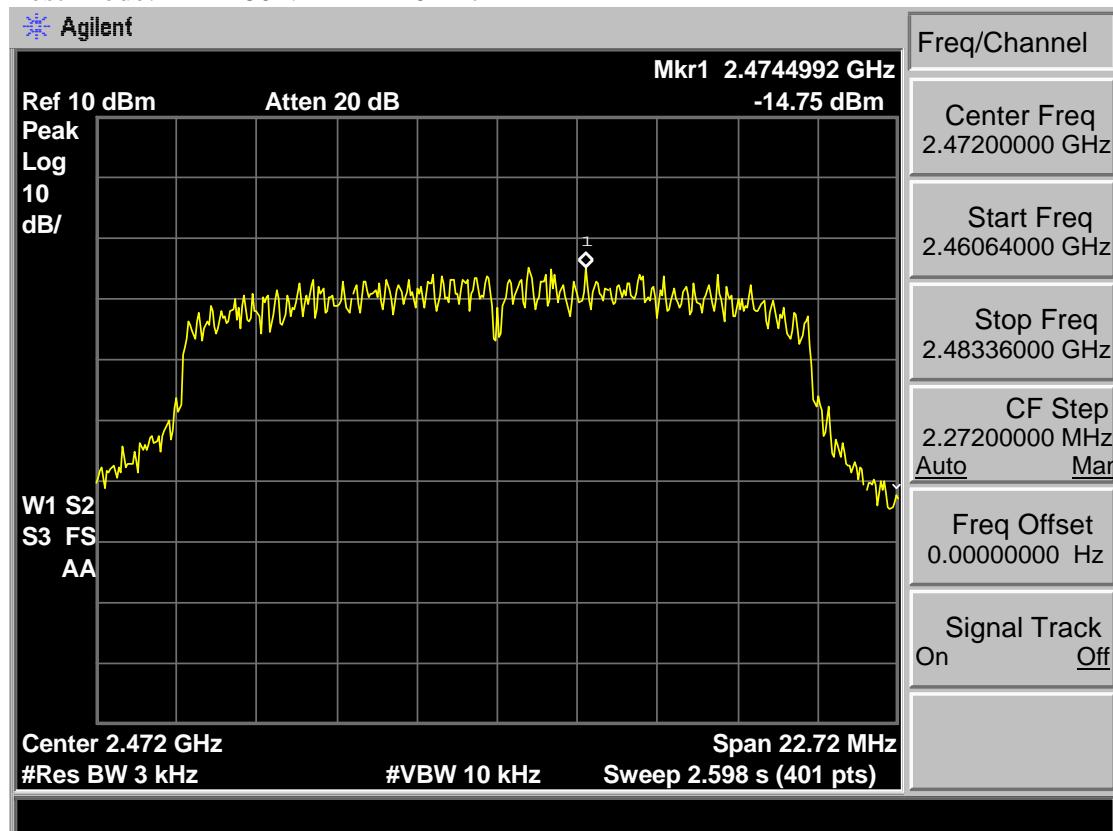
Test Mode: IEEE 802.11n HT20 2412MHz



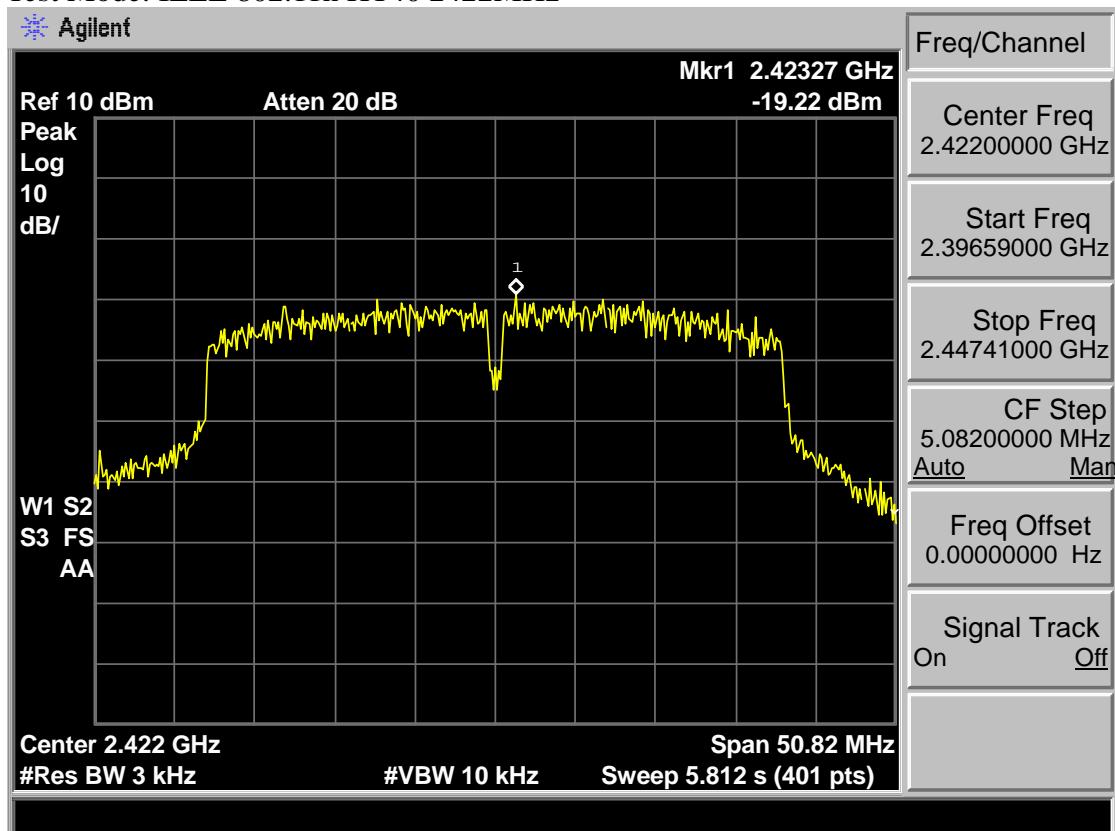
Test Mode: IEEE 802.11n HT20 2442MHz



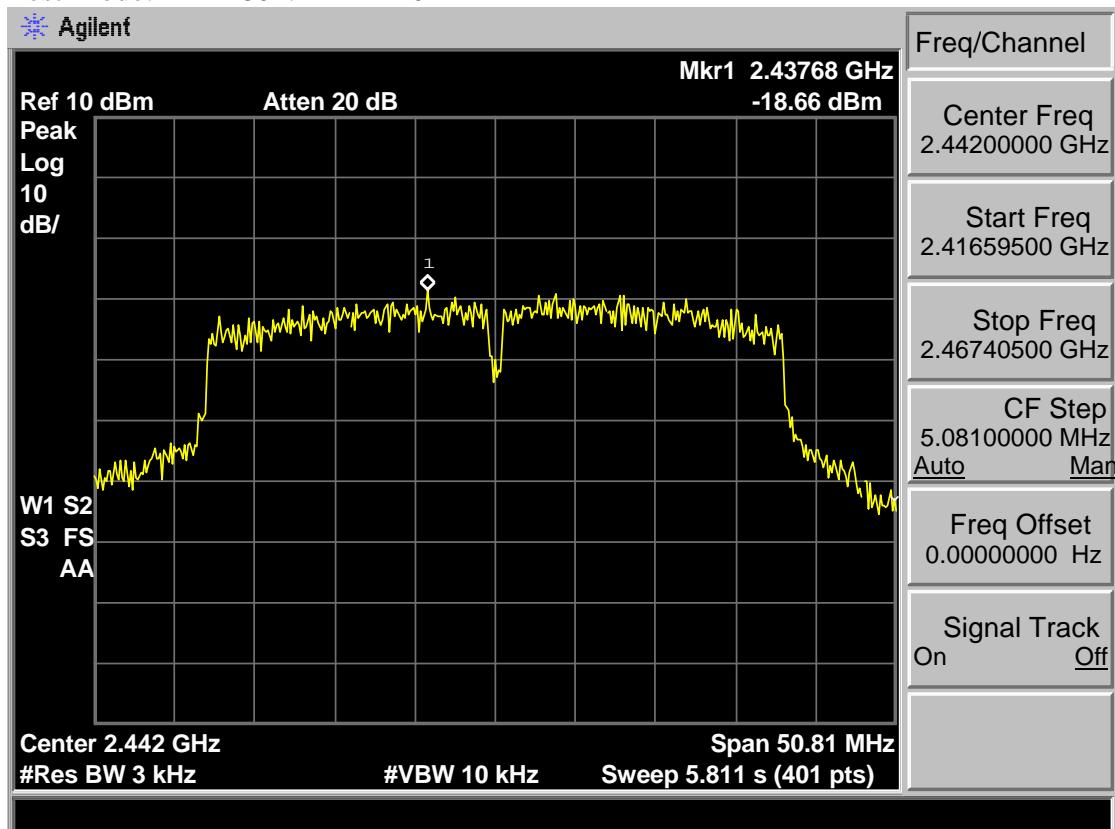
Test Mode: IEEE 802.11n HT20 2472MHz



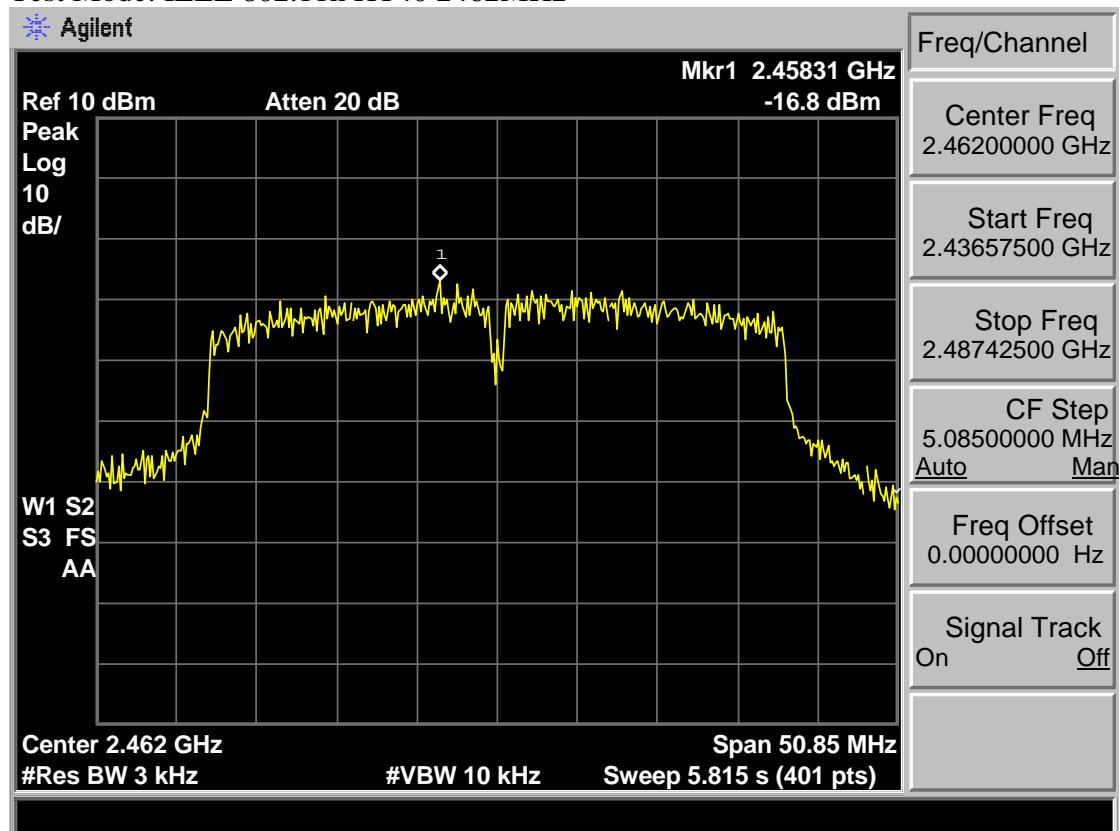
Test Mode: IEEE 802.11n HT40 2422MHz



Test Mode: IEEE 802.11n HT40 2442MHz



Test Mode: IEEE 802.11n HT40 2462MHz



9 ANTENNA REQUIREMENTS

9.1 Limit

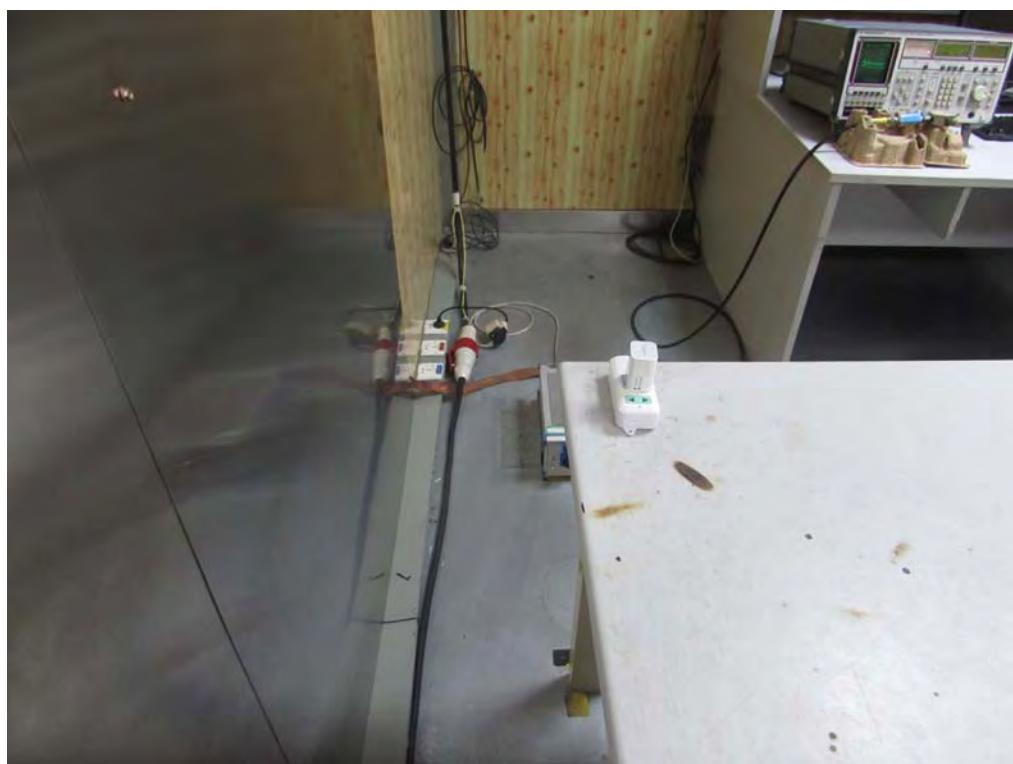
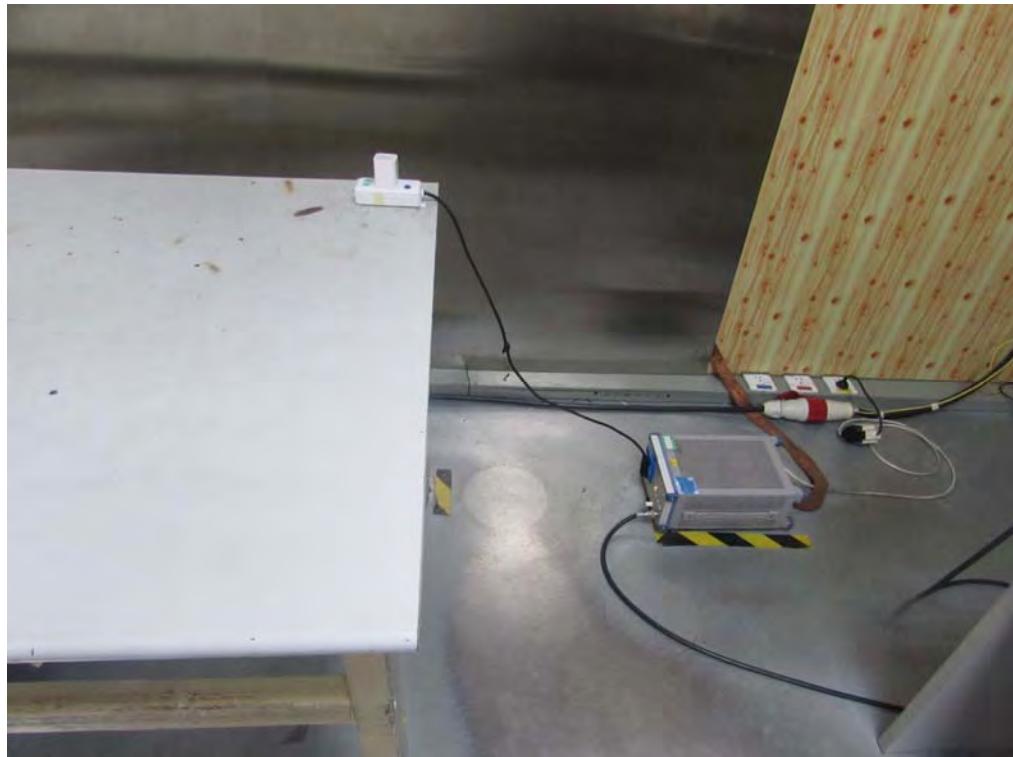
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional 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

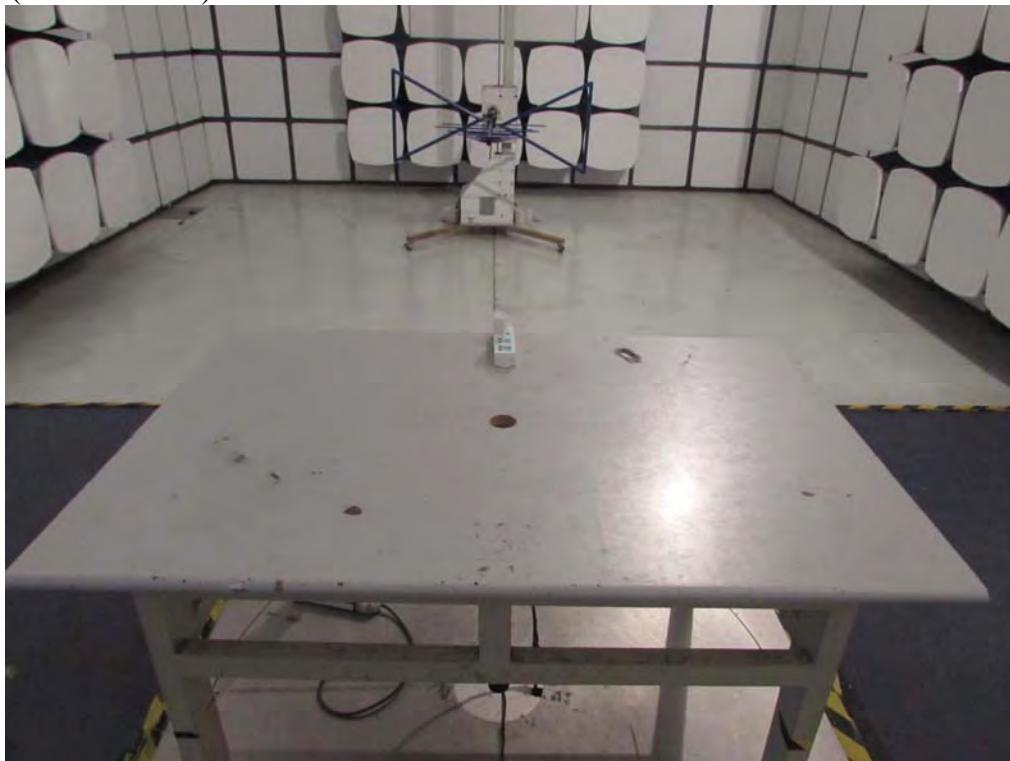
The antennas used for this product are Internal antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 1 dBi.

10 TEST SETUP PHOTO

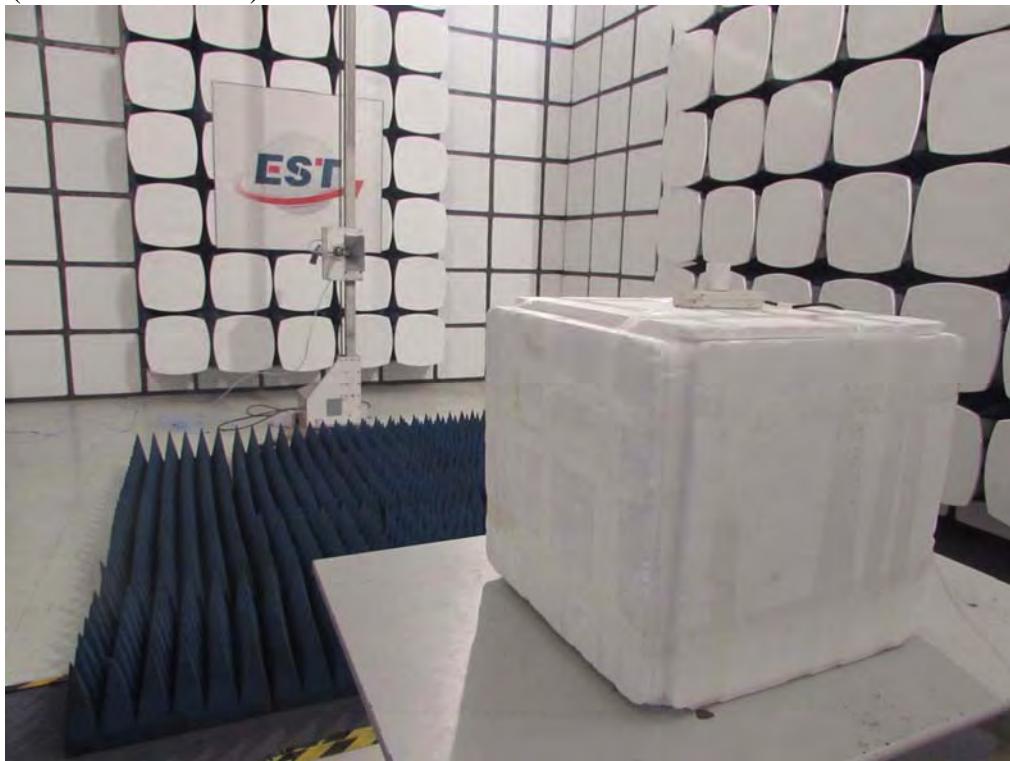
Conducted Test



Radiated Test (30-1000 MHz)



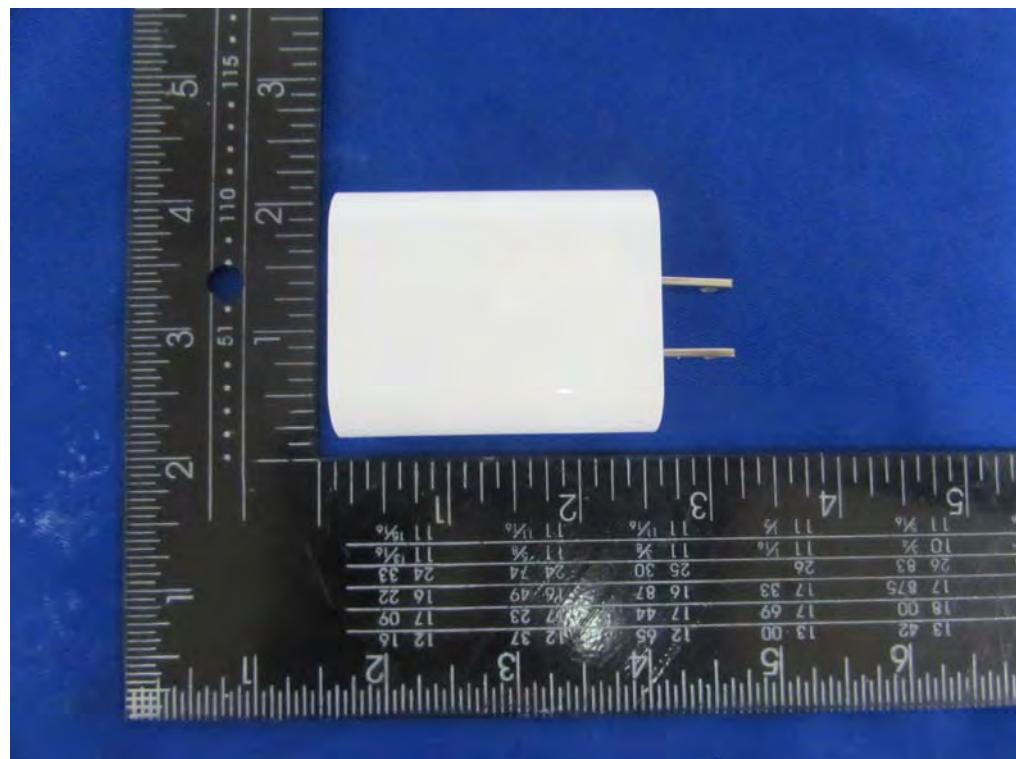
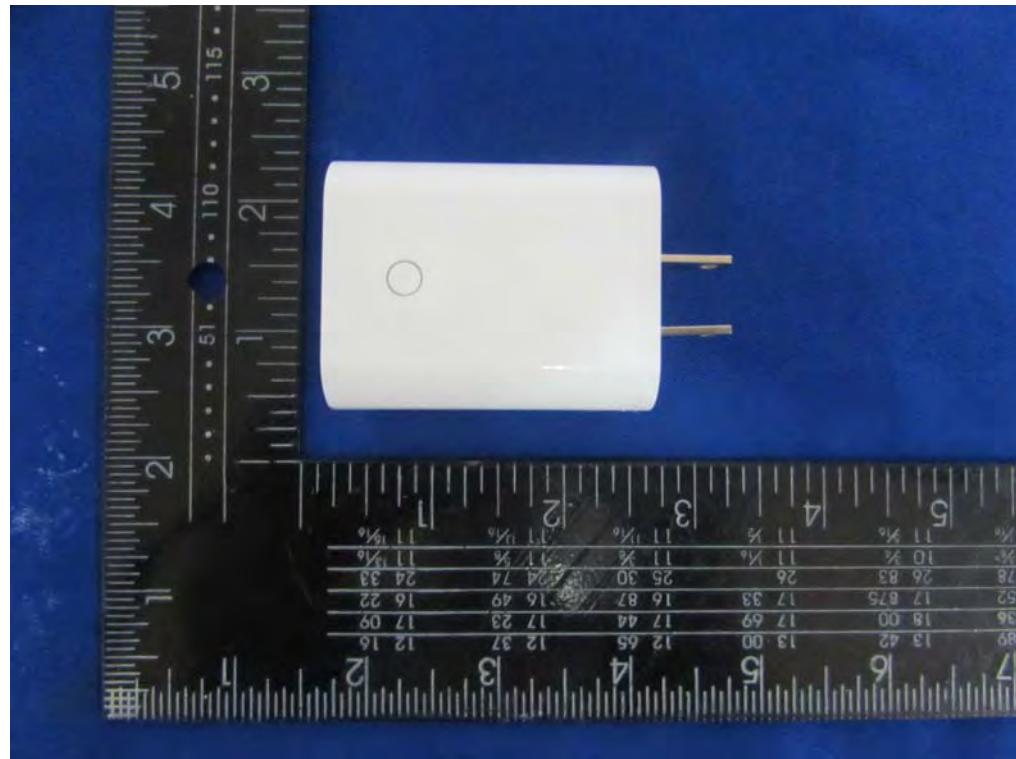
Radiated Test (1000-25000 MHz)



11 PHOTOS OF EUT

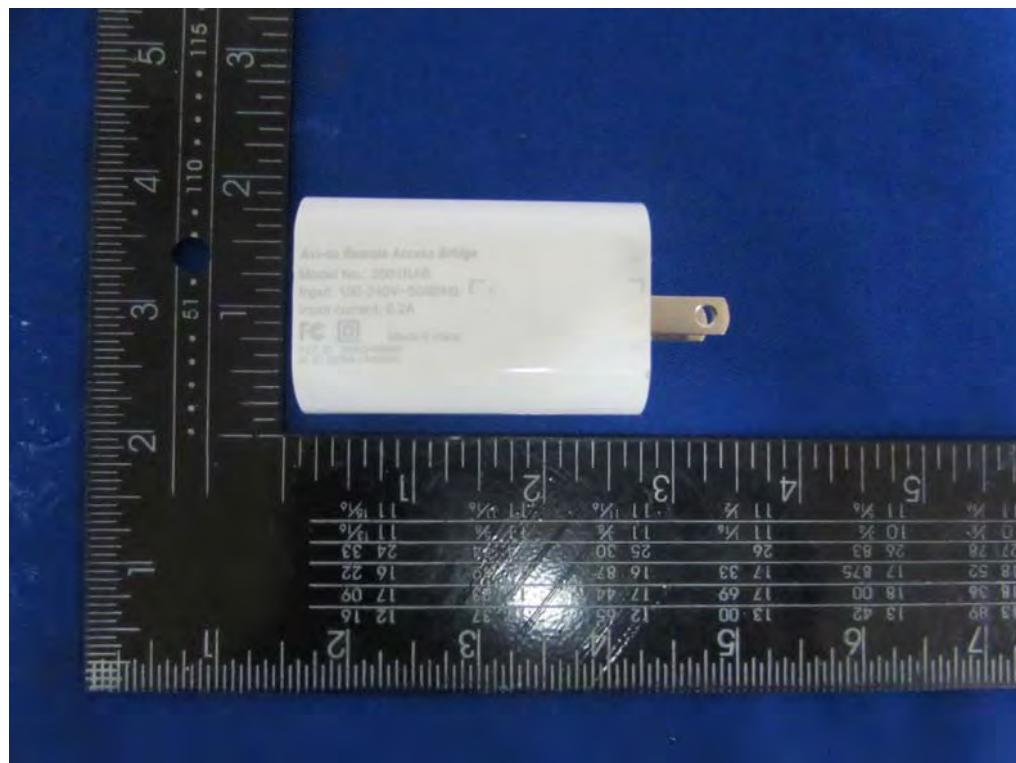
External Photos

M/N: 2001RAB

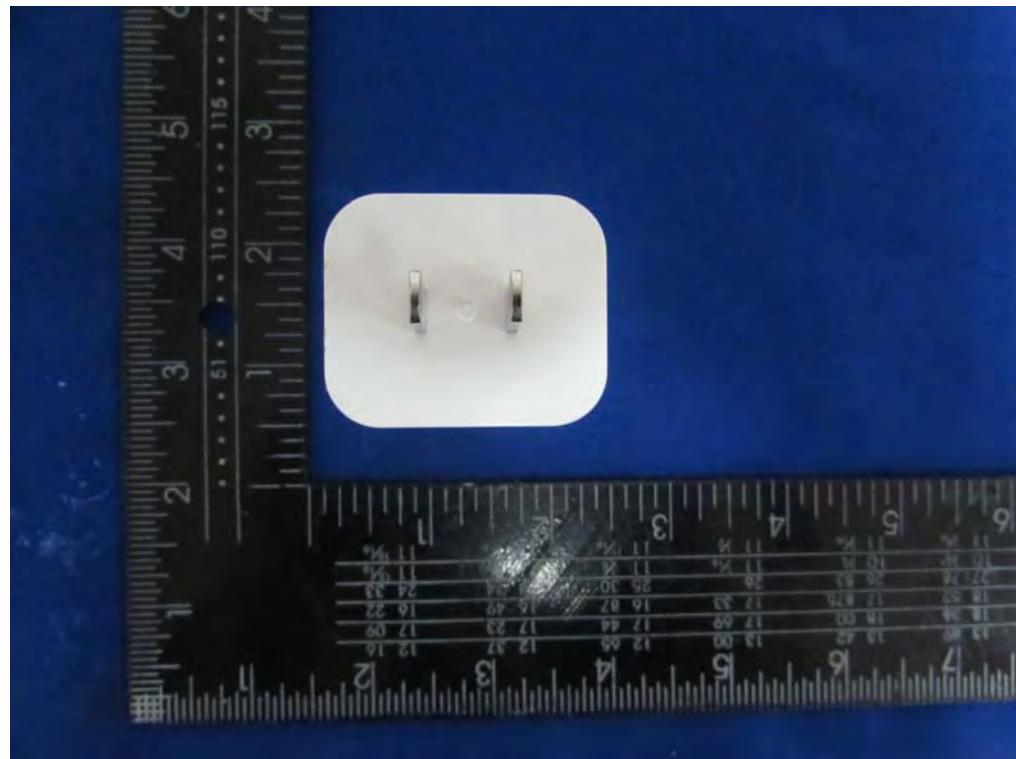


External Photos

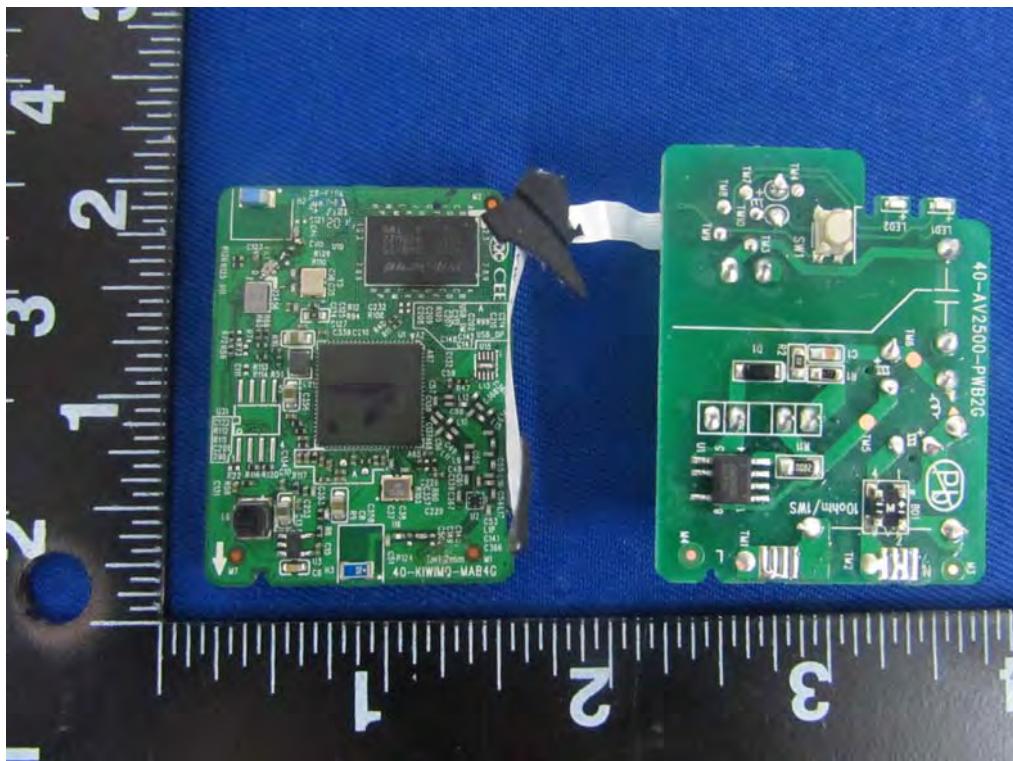
M/N: 2001RAB



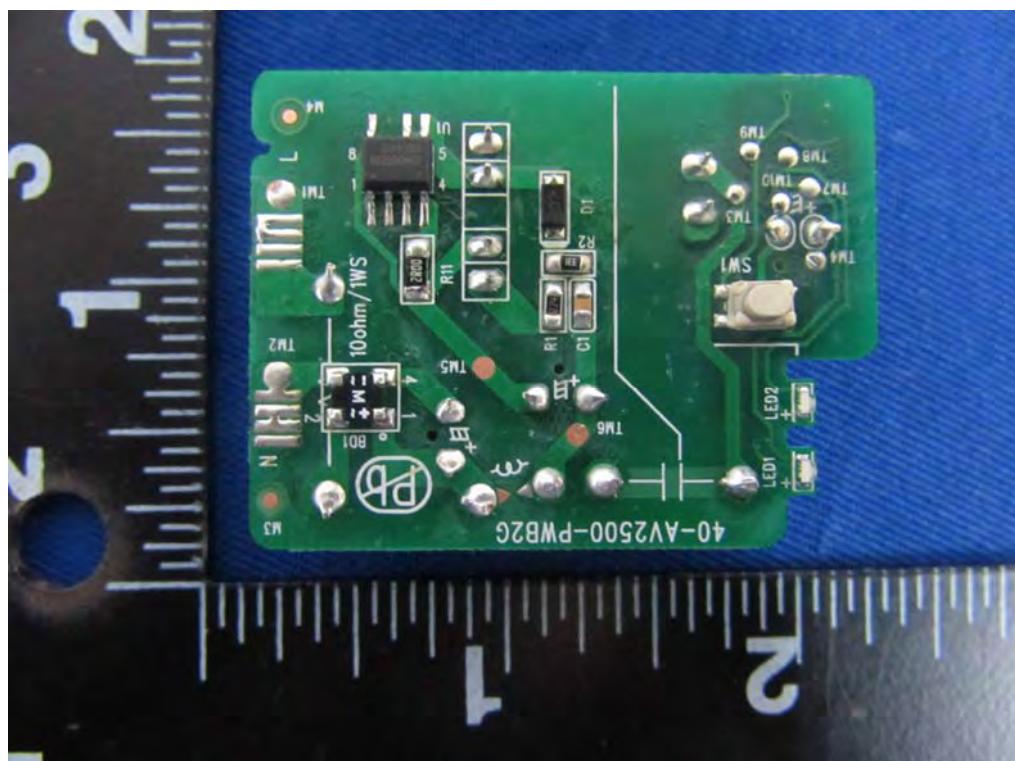
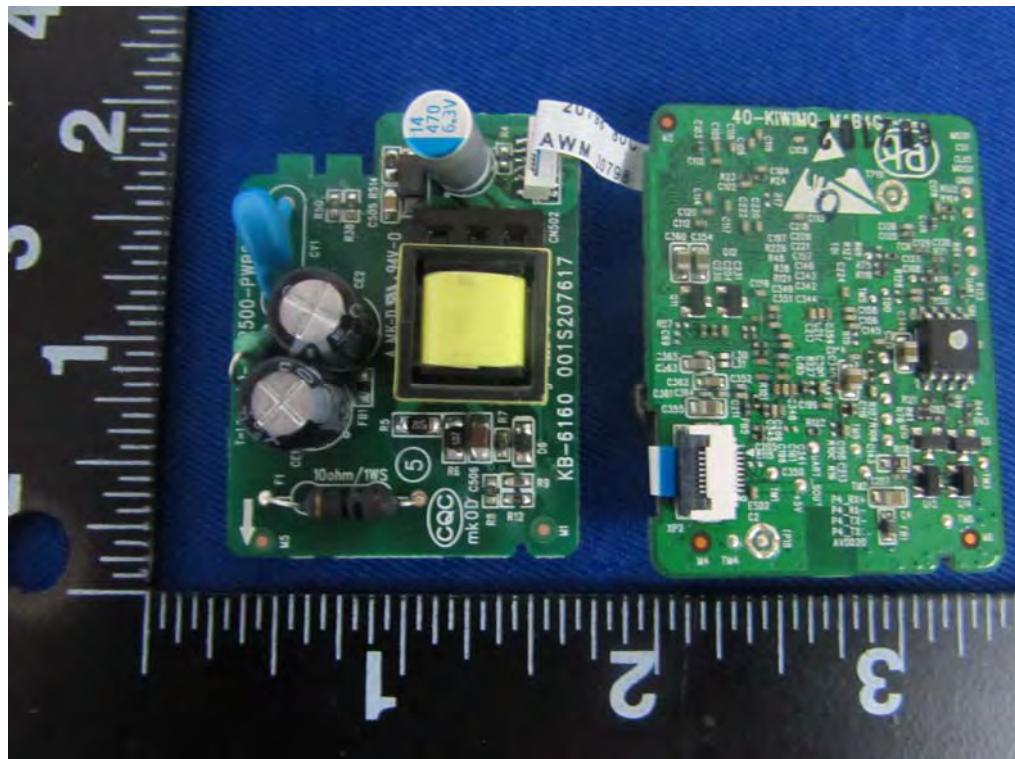
External Photos
M/N: 2001RAB



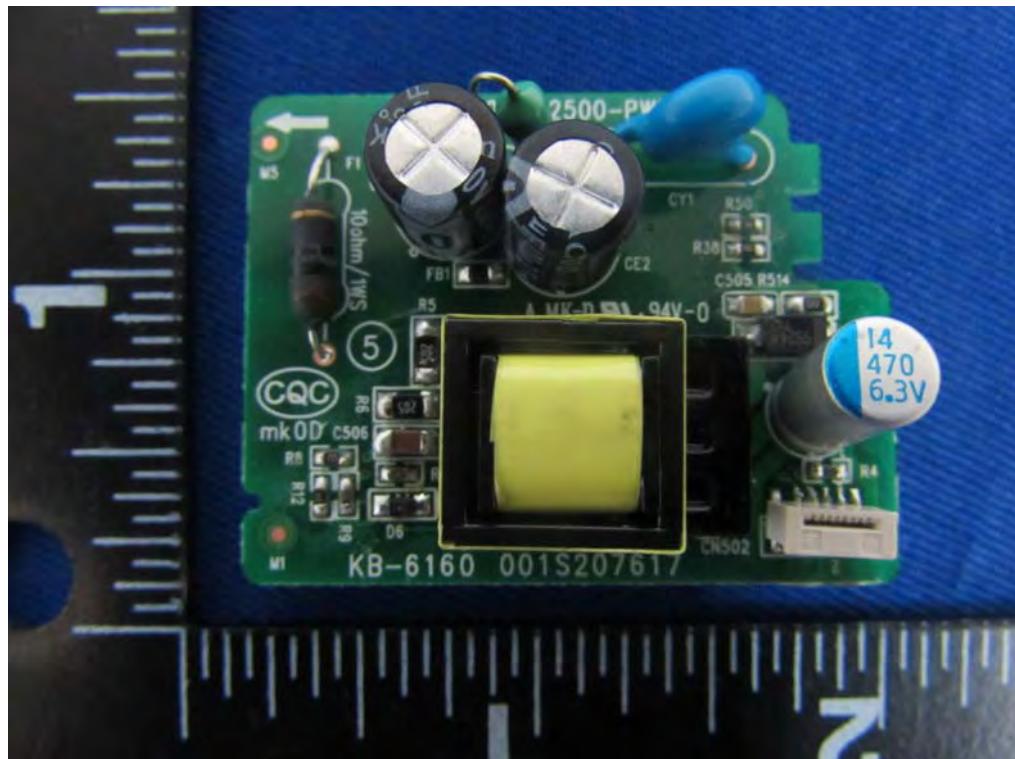
Internal Photos
M/N: 2001RAB



Internal Photos
M/N: 2001RAB

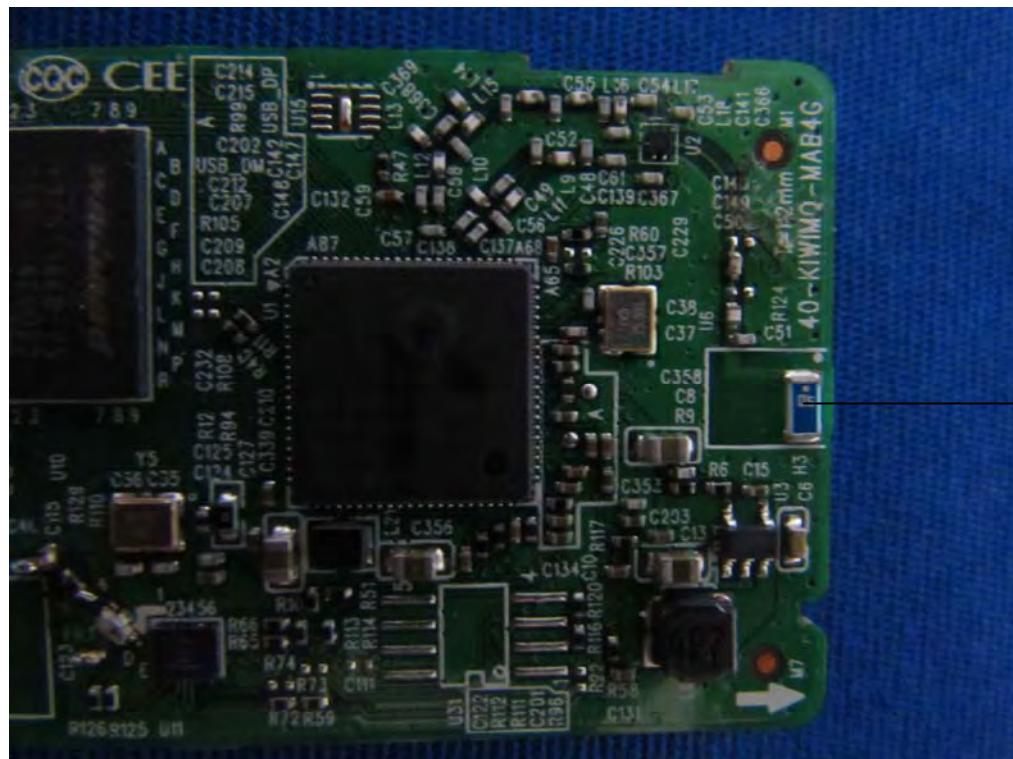
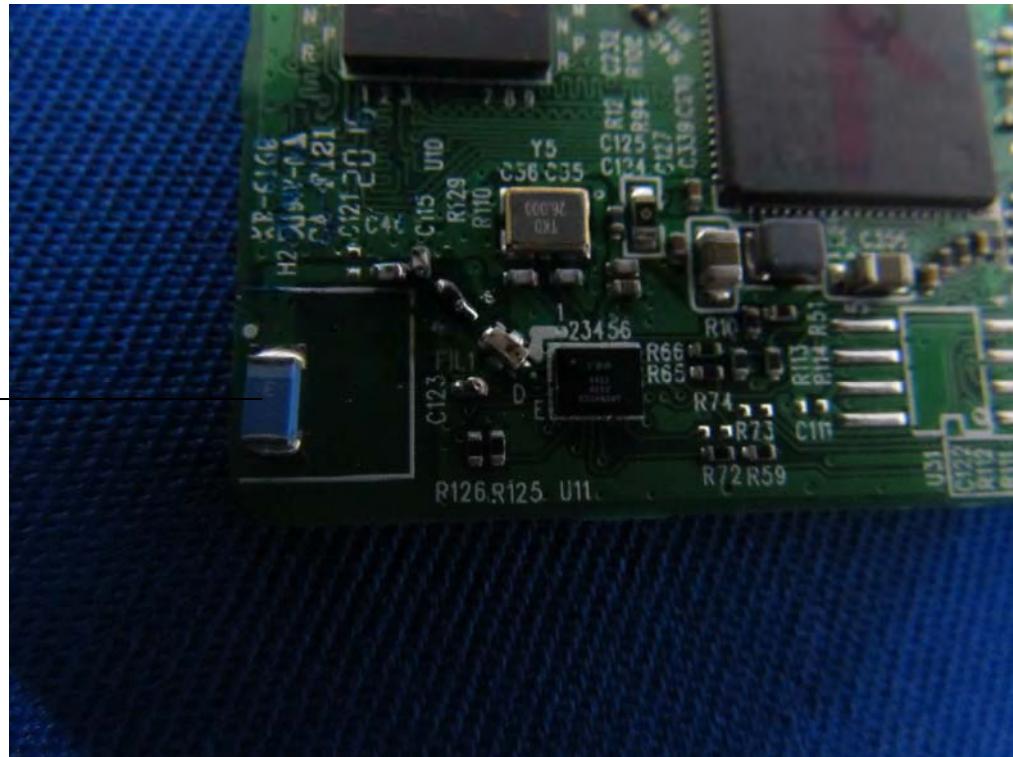


Internal Photos
M/N: 2001RAB



Internal Photos

M/N: 2001RAB



Internal Photos
M/N: 2001RAB

