Test Report

Industry Canada RSS-Gen Issue 3/RSS-210 Issue 8
FCC Part15 Subpart C

Product Name	:	IP-STB
Model No.	:	3400, 3420
FCC ID	:	TC2-R1005
IC	:	5959A-R1005

Applicant	:	Roku Inc.
Address	:	12980 Saratoga Ave, Suite D Saratoga, CA 95070

Date of Receipt	:	25/06/2012
Test Date	:	26/06/2012~19/09/2012
Issued Date	:	20/09/2012
Report No.	:	126S063R-RF-US-P05V01
Report Version	:	V2.1

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.
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Test Report Certification

Issued Date : 20/09/2012
Report No. : 126S063R-RF-US-P05V01

QuieTek

Product Name	:	IP-STB
Applicant	:	Roku Inc.
Address	:	12980 Saratoga Ave, Suite D Saratoga, CA 95070
Manufacturer	:	Ambit Mircosystems (Shanghai) LTD.
Address	:	1925, Nanle Road, Songjiang Export Processing Zone, Shanghai, China 201613
Model No.	:	3400, 3420
FCC ID	:	TC2-R1005
IC	:	5959A-R1005
EUT Voltage	:	5V
Brand Name	:	Roku
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C: 2011 ANSI C63.4: 2009; ANSI C63.10: 2009 Industry Canada RSS-Gen Issue 3/RSS-210 Issue 8
Test Result	:	Complied
Performed Location	:	Suzhou EMC Laboratory No.99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., Suzhou, China TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Registration Number: 800392; IC Lab Code: 4075B

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Laboratory Information

We, **QuieTek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

Taiwan R.O.C.	**:**	**BSMI, NCC, TAF**
Germany	**:**	**TUV Rheinland**
Norway	**:**	**Nemko, DNV**
USA	**:**	**FCC, NVLAP**
Japan	**:**	**VCCI**
China	**:**	**CNAS**

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site :http://www.quietek.com/tw/ctg/cts/accreditations.htm
The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/
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1. General Information

1.1. EUT Description

Product Name	IP-STB
Brand Name	Roku
Model No.	3400, 3420
EUT Voltage	5V
Frequency Range	**For 2.4GHz Band** 802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz): 2422~2452MHz **For 5.0GHz Band** 802.11a/n(20MHz): 5180~5240MHz, 5745~5825MHz 802.11n(40MHz): 5190~5230MHz, 5755~5795MHz
Channel Number	For 2.4GHz Band 802.11b/g/n(20MHz): 11 802.11n(40MHz): 7 For 5.0GHz Band 802.11a/n(20MHz): 9 802.11n(40MHz): 4
Type of Modulation	802.11b: DSSS
	802.11a/g/n: OFDM
Data Rate	802.11a/g: 6/9/12/18/24/36/48/54 Mbps
	802.11b: 1/2/5.5/11 Mbps
	802.11n: up to 300 Mbps
Channel Control	Auto
Antenna Delivery	2*Tx + 2*Rx
Antenna Type	Reference to Antenna List
Peak Antenna Gain	Reference to Antenna List

Note: 3400, 3420 has the same PCB board, and just has different housing colors, 3420 is black, while 3400 is purple.

For 2.4GHz Band

802.11b/g/n(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz	N/A	N/A

For 5.0GHz Band

802.11a/n(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz

802.11a/b/g/n Antenna List

Antenna	Manufacturer	Model No.	Peak Gain
PIFA Antenna	Cortec Technology Inc.	N/A	2dBi for 2.4GHz and 5GHz

1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g
Mode 3: Transmit by 802.11a
Mode 4: Transmit by 802.11n (20MHz)
Mode 5: Transmit by 802.11n (40MHz)

Note:

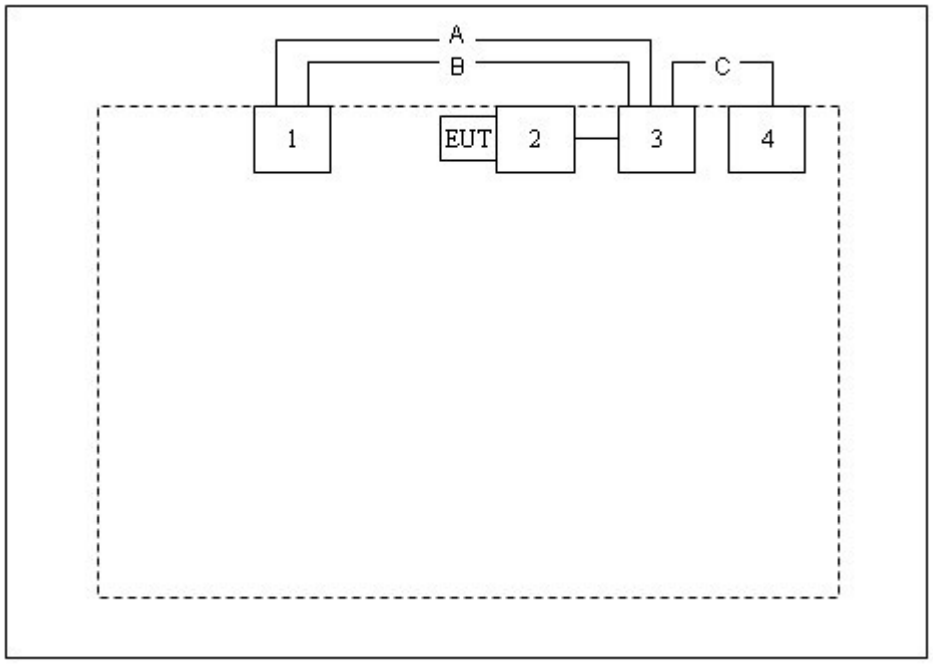
1. Regards to the frequency band operation: the lowest、middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 126S063R-RF-CE-P01V02.

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	ASUS	N80V	8BN0AS226971468	Non-Shielded, 1.8m
2	PCB boarol	N/A	N/A	N/A	N/A
3	Dongle	N/A	N/A	N/A	N/A
4	LCD Monitor	DELL	ST2420Lb	CN-0VTTD2-74261-17P-04TU	N/A

1.4. Configuration of Tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	RS232 Cable	Shielded, 0.8m
B	USB Cable	Shielded, 0.5m
C	HDMI Cable	Shielded, 0.8m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Execute some commands on the PC provided by applicant.
4	Setup the test channel and the test mode press ok to start the continue transmit.

2. Technical Test

2.1. Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.207	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.209	Yes	No
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2011 15.247(d)	Yes	No
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2011 15.215(c)	Yes	No
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.247(a)(2)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.247(b)(3)	Yes	No
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2011 Section 15.247(e)	Yes	No

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	RSS-Gen Issue 3 December 2010 Section 7.2.2	Yes	No
Radiated Emission	RSS-210 Issue 8 December 2010 Section 2.7 Table 2 and Table 3	Yes	No
RF Antenna Conducted Spurious	RSS-210 Issue 8 December 2010 Section A8.5	Yes	No
Radiated Emission Band Edge	RSS-210 Issue 8 December 2010 Section A8.5	Yes	No
Occupied Bandwidth	RSS-Gen Issue 3 December 2010 Section 4.6.1 and 4.6.2 RSS-210 Issue 8 December 2010 Section A8.2(1)	Yes	No
Power Output	RSS-210 Issue 8 December 2010 Section A8.4(4)	Yes	No
Power Spectral Density	RSS-210 Issue 8 December 2010 Section A8.2(2)	Yes	No

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

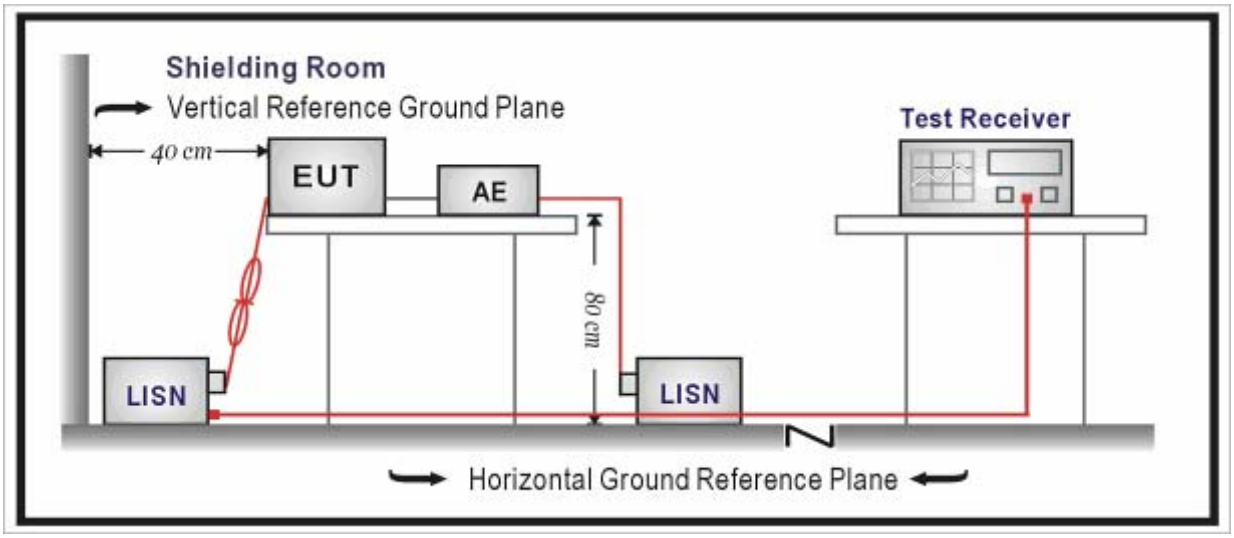
3.1. Test Equipment

Conducted Emission / TR-1

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100726	2013.04.18
Two-Line V-Network	R&S	ENV216	100043	2013.04.18
Two-Line V-Network	R&S	ENV216	100044	2013.09.07
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2013.05.04
50ohm Termination	SHX	TF2	07081401	2012.09.22
Temperature/Humidity Meter	zhicheng	ZC1-2	TR1-TH	2013.01.10

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

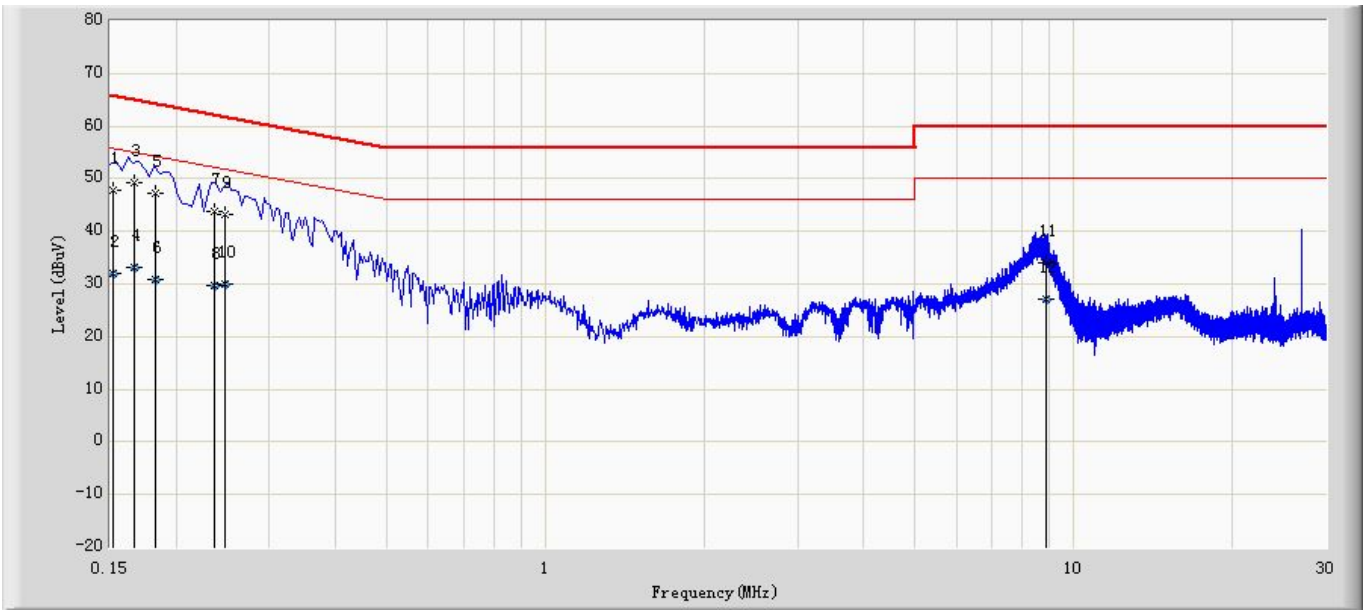
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.5. Uncertainty

The measurement uncertainty is defined as ± 2.02 dB

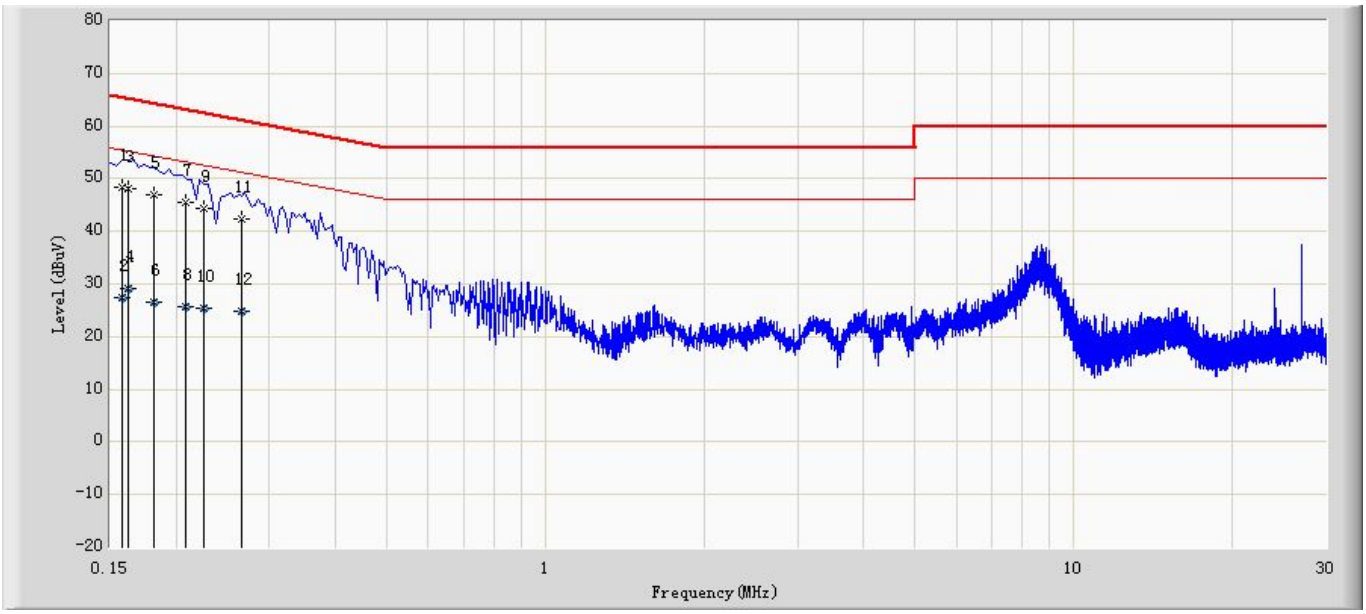
3.6. Test Result

Engineer: Jackzhang	
Site: TR1	Time: 2012/07/04 - 20:32
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101044(0.009-30MHz)	Polarity: Line
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.152	47.872	38.025	-18.018	65.890	9.848	QP
2		0.152	32.137	22.290	-23.753	55.890	9.848	AV
3	*	0.167	49.280	39.431	-15.828	65.108	9.850	QP
4		0.167	33.179	23.330	-21.929	55.108	9.850	AV
5		0.183	47.272	37.415	-17.076	64.348	9.857	QP
6		0.183	30.895	21.038	-23.453	54.348	9.857	AV
7		0.236	43.935	34.070	-18.301	62.236	9.865	QP
8		0.236	29.815	19.949	-22.421	52.236	9.865	AV
9		0.248	43.286	33.420	-18.538	61.824	9.867	QP
10		0.248	29.956	20.089	-21.868	51.824	9.867	AV
11		8.891	34.165	24.195	-25.835	60.000	9.970	QP
12		8.891	27.130	17.160	-22.870	50.000	9.970	AV

Engineer: Jackzhang	
Site: TR1	Time: 2012/07/04 - 20:32
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101044(0.009-30MHz)	Polarity: Neutral
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.158	48.365	38.375	-17.203	65.568	9.991	QP
2		0.158	27.426	17.436	-28.142	55.568	9.991	AV
3	*	0.162	48.241	38.255	-17.120	65.361	9.986	QP
4		0.162	29.015	19.029	-26.346	55.361	9.986	AV
5		0.181	47.079	37.132	-17.361	64.440	9.947	QP
6		0.181	26.491	16.544	-27.949	54.440	9.947	AV
7		0.208	45.636	35.721	-17.649	63.285	9.915	QP
8		0.208	25.796	15.881	-27.489	53.285	9.915	AV
9		0.226	44.295	34.382	-18.300	62.595	9.913	QP
10		0.226	25.476	15.564	-27.119	52.595	9.913	AV
11		0.267	42.293	32.360	-18.918	61.211	9.933	QP
12		0.267	24.836	14.903	-26.375	51.211	9.933	AV

4. Radiated Emission

4.1. Test Equipment

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2013.04.18
Loop Antenna	R&S	HFH2-Z2	833799/003	2012.11.22
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2012.10.18
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2013.03.02
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC2-TH	2013.05.07

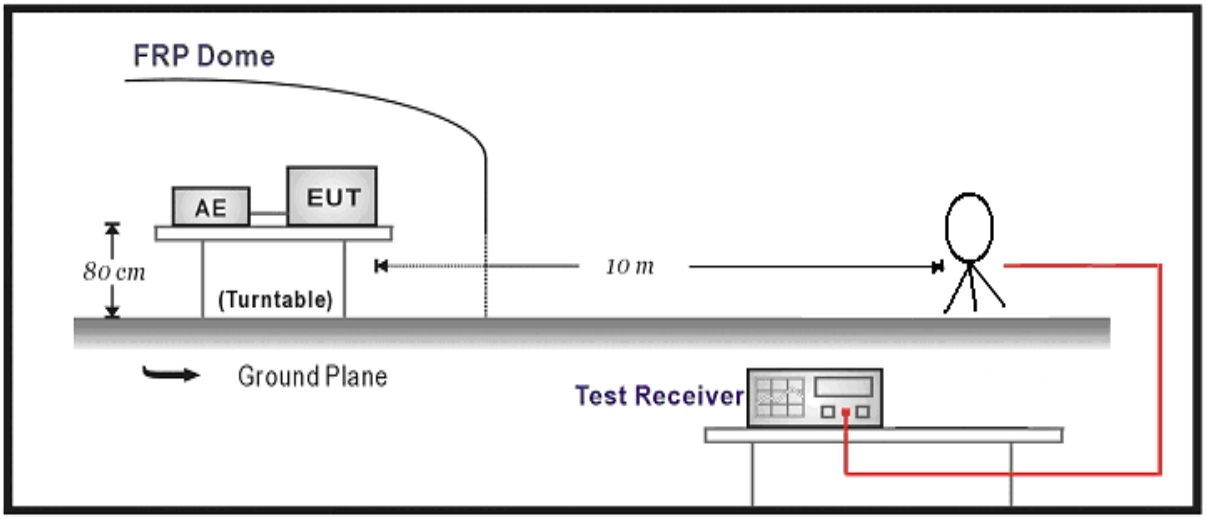
Radiated Emission / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2013.04.18
Preamplifier	Miteq	NSP1800-25	1364185	2013.05.04
Preamplifier	QuieTek	AP-040G	CHM-0906001	2013.05.04
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2012.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2014.06.08
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2013.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2013.03.02
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2013.03.02
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2013.03.02
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC5-TH	2013.01.10

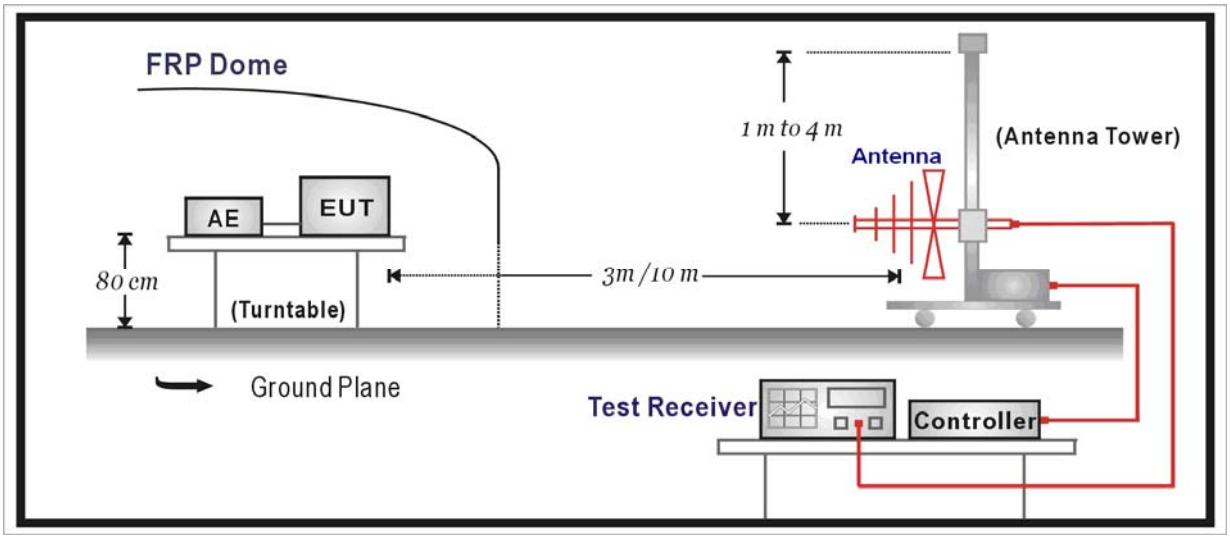
Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. Test Setup

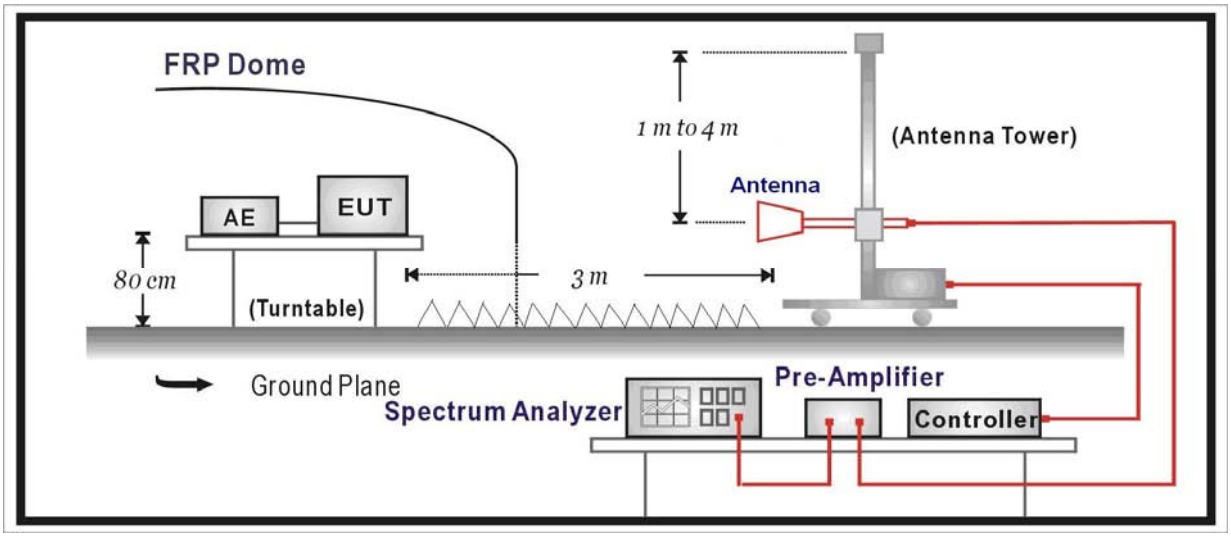
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level (dBuV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to ANSI C63.10: 2009 and KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This

is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2009 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

The frequency range from 30MHz to 10th harmonic is checked.

Note: When doing emission measurement above 1GHz, the horn antenna will be bended down a little (as horn antenna has the narrow beamwidth) in order to keeping the antenna in the “cone of radiation” of EUT. The 3dB beamwidth is 60 degrees for H-plane and 90 degrees for E-plane.

4.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB

below 1G is defined as ± 3.8 dB

4.6. Test Result

All of the test result shown indicates the worst case, and spectrum analyzer parameters setting as shown below:

Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;

Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

Measure Level = Reading Level + Cable Loss + Antenna Factor - Preamplifier Gain

802.11b

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 0	1	V	2412.0	74.2	30.4	104.6	Fundamental	/	PK
		H	300	5.0	20.5	25.5	46	-20.5	QP
		H	900	0.8	29.2	30.0	46	-16.0	QP
		V	3200	50.4	-13.4	37.0	54(note3)	-17.0	PK
		V	4825	56.9	-10.4	46.5	54(note3)	-7.5	PK
		V	7260	46.1	-0.8	45.3	54(note3)	-8.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	74.4	31.2	105.6	Fundamental	/	PK
		H	300	2.4	20.5	22.9	46	-23.1	QP
		H	900	3.0	29.2	32.2	46	-13.8	QP
		V	3200	50.3	-13.4	36.9	54(note3)	-17.1	PK
		V	4876	57.2	-10.1	47.1	54(note3)	-6.9	PK
		V	7307	61.4	-1.9	74	74	-14.5	PK
		V	7310.1	53.2	-1.9	51.3	54	-2.7	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2462.0	72.4	30.5	102.9	Fundamental	/	PK
		H	300	5.8	20.5	26.3	46	-19.7	QP
		H	900	0.7	29.2	29.9	46	-16.1	QP
		V	3200	50.0	-13.4	36.6	54(note3)	-17.4	PK
		V	4927	57.5	-9.8	47.7	54(note3)	-6.3	PK
		V	7392	60.8	-1.7	59.1	74	-14.9	PK
		V	7392	53.3	-1.7	51.6	54	-2.4	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 1	1	V	2411.9	69.5	30.4	99.9	Fundamental	/	PK
		H	300	5.0	20.5	25.5	46	-20.5	QP
		H	900	2.1	29.2	31.3	46	-14.7	QP
		V	3200	51.2	-13.4	37.8	54(note3)	-16.2	PK

		V	4825	56.0	-10.4	45.6	54(note3)	-8.4	PK
		V	7260	52.7	-0.8	51.9	54(note3)	-2.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	77.7	31.2	99.7	Fundamental	/	PK
		H	300	2.4	20.5	22.9	46	-23.1	QP
		H	900	3.0	29.2	32.2	46	-13.8	QP
		V	3200.0	43.3	-0.7	42.6	54(note3)	-11.4	PK
		V	4876	59.7	-10.1	49.6	54(note3)	-4.4	PK
		V	7310	62.1	-1.9	60.2	74	-13.8	PK
		V	7310	54.6	-1.9	52.7	54	-1.3	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2461.9	70.7	30.5	101.2	Fundamental	/	PK
		H	300	6.9	20.5	27.4	46	-18.6	QP
		H	900	1.6	29.2	30.8	46	-15.2	QP
		V	3200	50.0	-13.4	36.6	54(note3)	-17.4	PK
		V	4927	58.0	-9.8	48.2	54(note3)	-5.8	PK
		V	7392	58.8	-1.7	57.1	74	-16.9	PK
		V	7392	54.3	-1.7	52.6	54	-1.4	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

Note: 1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~25GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

802.11g

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 0	1	V	2411.7	70.4	30.4	100.8	Fundamental	/	PK
		H	300	9.4	20.5	29.9	46	-16.1	QP
		H	900	3.0	29.2	32.2	46	-13.8	QP
		V	3200	50.0	-13.4	36.6	54(note3)	-17.4	PK
		V	4825	51.7	-10.4	41.3	54(note3)	-12.7	PK
		V	7260	50.3	-0.8	49.5	54(note3)	-4.5	PK

		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	72.0	31.2	103.2	Fundamental	/	PK
		H	300	5.7	20.5	26.2	46	-19.8	QP
		H	900	1.9	29.2	31.1	46	-14.9	QP
		V	3200	49.9	-13.4	36.5	54(note3)	-17.5	PK
		V	4876	54.1	-10.1	44.0	54(note3)	-10.0	PK
		V	7310	60.1	-1.9	58.2	74	-15.8	PK
		V	7310	50.3	-1.9	48.4	54	-5.6	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2461.5	72.0	30.5	102.5	Fundamental	/	PK
		H	300	4.1	20.5	24.6	46	-21.4	QP
		H	900	1.5	29.2	30.7	46	-15.3	QP
		V	3200	50.2	-13.4	36.8	54(note3)	-17.2	PK
		V	4924	49.3	-8.3	41.0	54(note3)	-13.0	PK
		V	7386	54.0	-0.5	53.5	54(note3)	-0.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 1	1	V	2412.0	68.7	30.4	99.1	Fundamental	/	PK
		H	300	5.2	20.5	25.7	46	-20.3	QP
		H	900	1.9	29.2	31.1	46	-14.9	QP
		V	3200	52.4	-13.4	39.0	54(note3)	-15.0	PK
		V	4825	51.0	-10.4	40.6	54(note3)	-13.4	PK
		V	7260	52.7	-0.8	51.9	54(note3)	-2.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	66.4	31.2	97.6	Fundamental	/	PK
		H	H	300	5.7	20.5	26.2	46	QP
		H	H	900	2.6	29.2	31.8	46	QP
		V	3200	49.3	-13.4	35.9	54(note3)	-18.1	PK
		V	4876	54.9	-10.1	44.8	54(note3)	-9.2	PK
		V	7310	63.0	-1.9	61.1	74	-12.9	PK
		V	7310	49.3	-1.9	47.4	54	-6.6	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2462.1	72.5	30.5	103.0	Fundamental	/	PK
		H	300	4.1	20.5	24.6	46	-21.4	QP
		H	900	2.6	29.2	31.8	46	-14.2	QP
		V	3200	50.6	-13.4	37.2	54(note3)	-16.8	PK
		V	4927	54.1	-9.8	44.3	54(note3)	-9.7	PK
		V	7392	57.6	-1.7	55.9	74	-18.1	PK

		V	7392	50.2	-1.7	48.5	54	-5.5	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

Note: 1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~25GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

802.11a

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 0	149	V	5745.0	115.6	-8.2	107.4	Fundamental	/	PK
		H	300	5.7	20.5	26.2	46	-19.8	QP
		H	900	1.9	29.2	31.1	46	-14.9	QP
		V	13000.0	34.6	9.8	44.4	54(note3)	-9.6	PK
		V	11489.0	52.4	4.9	57.3	74	-16.7	PK
		V	11489.0	39.1	4.9	44.0	54	-10.0	AV
		V	16000.0	36.6	7.6	44.2	54(note3)	-9.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	157	V	5785.0	115.6	-8.2	107.4	Fundamental	/	PK
		H	300	4.1	20.5	24.6	46	-21.4	QP
		H	900	1.5	29.2	30.7	46	-15.3	QP
		V	13000.0	38.5	9.8	48.3	54(note3)	-5.7	PK
		V	11574.0	49.1	8.5	57.6	74	-16.4	PK
		V	11574.0	37.0	8.6	45.6	54	-8.4	AV
		V	16000.0	41.5	7.6	49.1	54(note3)	-4.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	165	V	5825.0	115.8	-8.2	107.6	Fundamental	/	PK
		H	300	5.2	20.5	25.7	46	-20.3	QP
		H	900	1.9	29.2	31.1	46	-14.9	QP
		V	13000.0	34.9	9.8	44.7	54(note3)	-9.3	PK
		V	11650.5	56.9	4.9	61.8	74	-12.2	PK
		V	11650.5	45.2	4.9	50.1	54	-3.9	AV
		V	16000.0	37.0	7.6	44.6	54(note3)	-9.4	PK

		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 1	149	V	5745.0	114.0	-8.2	105.8	Fundamental	/	PK
		H	300	5.7	20.5	26.2	46	-19.8	QP
		H	900	2.6	29.2	31.8	46	-14.2	QP
		H	13000.0	34.8	9.8	44.6	54(note3)	-9.4	PK
		V	11490.0	37.6	8.5	46.1	54(note3)	-7.9	PK
		V	15722.0	51.1	2.4	53.5	54(note3)	-0.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	157	V	5785.0	114.1	-8.2	105.9	Fundamental	/	PK
		H	300	4.1	20.5	24.6	46	-21.4	QP
		H	900	2.6	29.2	31.8	46	-14.2	QP
		V	13000.0	39.2	9.8	49.0	54(note3)	-5.0	PK
		V	11565.5	51.5	8.6	60.1	74	-13.9	PK
		V	11565.3	39.2	8.6	47.8	54	-6.2	AV
		V	16000.0	40.4	7.6	48.0	54(note3)	-6.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	165	V	5825.0	114.5	-8.2	106.3	Fundamental	/	PK
		H	300	4.5	20.5	25.0	46	-21.0	QP
		H	900	1.7	29.2	30.9	46	-15.1	QP
		V	13000.0	34.7	9.8	44.5	54(note3)	-9.5	PK
		V	11650.5	49.9	4.9	54.8	74	-19.2	PK
		V	11650.0	42.3	4.9	47.2	54	-6.8	AV
		V	16000.0	36.6	7.6	44.2	54(note3)	-9.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

Note: 1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~25GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

802.11n(20MHz)

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain	1	V	2410.7	70.4	30.4	100.8	Fundamental	/	PK

0		H	300	4.5	20.5	25.0	46	-21.0	QP
		H	900	1.7	29.2	30.9	46	-15.1	QP
		V	3200	49.8	-13.4	36.4	54(note3)	-17.6	PK
		V	4825	51.9	-10.4	41.5	54(note3)	-12.5	PK
		V	7260	50.2	-0.8	49.4	54(note3)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	72.8	31.2	101.9	Fundamental	/	PK
		H	233.7	25.7	12.1	37.8	46	-8.2	QP
		H	299.7	20.5	14.7	35.2	46	-10.8	QP
		V	3200.0	42.9	-0.6	42.3	54(note3)	-11.7	PK
		V	4874.0	42.9	2.8	45.7	54(note3)	-8.3	PK
		V	7307.0	47.4	8.8	56.2	74	-17.8	PK
		H	7311.0	34.5	8.8	43.3	54	-10.7	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2461.9	71.4	30.5	101.9	Fundamental	/	PK
		H	300	4.2	20.5	24.7	46	-21.3	QP
		H	900	2.3	29.2	31.5	46	-14.5	QP
		V	3200	52.1	-13.4	38.7	54(note3)	-15.3	PK
		V	4986.5	56.7	-8.1	48.6	54(note3)	-5.4	PK
		V	7383.5	52.5	-0.5	52.0	54(note3)	-2.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	149	V	5745.0	111.6	-8.2	103.3	Fundamental	/	PK
		H	300	4.6	20.5	25.1	46	-20.9	QP
		H	900	3.4	29.2	32.6	46	-13.4	QP
		H	13000.0	35.2	9.8	45.0	54(note3)	-9.0	PK
		V	11489.0	54.7	4.9	59.6	74	-14.4	PK
		V	11489.9	44.0	4.9	48.9	54	-5.1	AV
		V	16000.0	37.6	7.6	45.2	54(note3)	-8.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	157	V	5785.0	111.4	-8.2	103.2	Fundamental	/	PK
		H	300	4.2	20.5	24.7	46	-21.3	QP
		H	900	2.3	29.2	31.5	46	-14.5	QP
		V	13000.0	38.4	9.8	48.2	54(note3)	-5.8	PK
		V	11574.0	51.5	8.5	60.0	74	-14.0	PK
		V	11574.0	38.4	8.6	47.0	54	-7.0	AV
		V	16000.0	41.7	7.6	49.3	54(note3)	-4.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

	165	V	5825.0	111.2	-8.2	103.0	Fundamental	/	PK
		H	300	4.6	20.5	25.1	46	-20.9	QP
		H	900	2.1	29.2	31.3	46	-14.7	QP
		H	13000.0	34.9	9.8	44.7	54(note3)	-9.3	PK
		V	11650.0	41.2	15.1	56.3	74	-17.7	PK
		V	11650.0	27.2	15.1	42.3	54	-11.7	AV
		V	16200.0	41.9	17.4	59.3	74	-14.7	PK
		V	16200.0	27.9	17.4	45.3	54	-8.7	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 1	1	V	2412.4	68.4	30.4	98.8	Fundamental	/	PK
		V	599.8	2.1	13.7	15.8	46	-30.2	QP
		V	666.8	8.8	13.3	22.1	46	-23.9	QP
		V	3200	50.4	-13.4	37.0	54(note3)	-17.0	PK
		V	4825	51.7	-10.4	41.3	54(note3)	-12.7	PK
		V	7260	48.0	-0.8	47.2	54(note3)	-6.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	72.3	31.2	103.0	Fundamental	/	PK
		H	299.7	18.7	14.7	33.4	46	-12.6	QP
		H	342.8	19.3	16.0	35.3	46	-10.7	QP
		H	3200.0	43.1	-0.6	42.5	54(note3)	-11.5	PK
		V	4876.0	44.3	2.8	47.1	54(note3)	-6.9	PK
		H	7298.5	52.7	8.8	61.5	74	-12.5	PK
		H	7311.0	36.3	8.8	45.1	54	-8.9	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2462.0	69.4	30.5	99.9	Fundamental	/	PK
		H	300	4.5	20.5	25.0	46	-21.0	QP
		H	900	2.8	29.2	32.0	46	-14.0	QP
		V	3200	51.5	-13.4	38.1	54(note3)	-15.9	PK
		V	4986.5	57.7	-8.1	49.6	54(note3)	-4.4	PK
		V	7383.5	55.6	-0.5	55.1	74	-18.9	PK
		V	7383.4	50.3	-0.5	49.8	54	-4.2	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	149	V	5745.0	111.6	-8.2	103.4	Fundamental	/	PK
		H	256.01	6.3	19.7	26.0	46	-20.0	QP
		H	299.781	8.4	20.5	28.9	46	-17.1	QP
		H	13000.0	34.7	9.8	44.5	54(note3)	-9.5	PK
		V	11489.0	52.6	4.9	57.5	74	-16.5	PK

		V	11489.0	37.3	4.9	42.2	54	-11.8	AV
		V	16000.0	36.6	7.6	44.2	54(note3)	-9.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	157	V	5785.0	111.3	-8.2	103.1	Fundamental	/	PK
		H	207.146	6.2	15.9	22.1	43.5	-21.4	QP
		H	299.66	8.9	20.5	29.4	46	-16.6	QP
		H	13000.0	39.1	9.8	48.9	54(note3)	-5.1	PK
		V	11574.0	48.8	8.5	57.3	74	-16.7	PK
		V	11574.2	36.2	8.5	44.7	54	-9.3	AV
		V	16000.0	40.9	7.6	48.5	54(note3)	-5.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	165	V	5825.0	111.9	-8.2	103.7	Fundamental	/	PK
		H	303.176	11.1	20.6	31.7	46	-14.3	QP
		H	565.319	5.4	26.6	32.0	46	-14.0	QP
		V	13000.0	34.9	9.8	44.7	54(note3)	-9.3	PK
		V	11650.5	55.8	4.9	60.7	74	-13.3	PK
		V	11650.5	44.4	4.9	49.3	54	-4.7	AV
		V	16000.0	36.8	7.6	44.4	54(note3)	-9.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 0+1	1	V	2411.4	71.3	30.4	101.7	Fundamental	/	PK
		H	544.343	5.3	26.5	31.8	46	-14.2	QP
		H	900	2.1	29.2	31.3	46	-14.7	QP
		V	3200	51.2	-13.4	37.8	54(note3)	-16.2	PK
		V	4825	51.4	-8.7	42.7	54(note3)	-11.3	PK
		V	7260	52.1	-0.8	51.3	54(note3)	-2.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	74.5	31.2	102.5	Fundamental	/	PK
		H	245.3	21.5	13.6	35.1	46	-10.9	QP
		H	342.8	19.5	16.0	35.5	46	-10.5	QP
		V	3200.0	42.7	-0.6	42.1	54(note3)	-11.9	PK
		V	4867.5	44.2	2.7	46.9	54(note3)	-7.1	PK
		V	7315.5	50.2	8.8	59.0	74	-15.0	PK
		V	7311.0	32.9	8.8	41.7	54	-12.3	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	11	V	2461.5	71.5	30.5	102.0	Fundamental	/	PK
		H	298.569	11.1	20.4	31.5	46	-14.5	QP
		H	606.18	6.0	27.0	33.0	46	-13.0	QP

		V	3200	51.8	-13.4	38.4	54(note3)	-15.6	PK
		V	4995	54.3	-8.1	46.2	54(note3)	-7.8	PK
		V	7383.5	55.5	-0.5	55.0	74	-19.0	PK
		V	7383.4	49.4	-0.5	48.9	54	-5.1	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	149	V	5745.0	114.8	-8.2	106.6	Fundamental	/	PK
		H	301.115	11.5	20.5	32.0	46	-14.0	QP
		H	565.319	5.4	26.6	32.0	46	-14.0	QP
		H	13000.0	35.1	9.8	44.9	54(note3)	-9.1	PK
		V	11489.0	54.9	4.9	59.8	74	-14.2	PK
		V	11490.1	43.5	4.9	48.4	54	-5.6	AV
		V	16000.0	36.8	7.6	44.4	54(note3)	-9.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	157	V	5785.0	114.5	-8.2	106.3	Fundamental	/	PK
		H	201.447	7.3	16.1	23.4	43.5	-20.1	QP
		H	299.66	8.9	20.5	29.4	46	-16.6	QP
		V	13000.0	38.9	9.8	48.7	54(note3)	-5.3	PK
		V	11565.5	46.2	8.6	54.8	74	-19.2	PK
		V	11565.2	34.2	8.6	42.8	54	-11.2	AV
		V	16000.0	40.6	7.6	48.2	54(note3)	-5.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	165	V	5825.0	115.2	-8.2	107.0	Fundamental	/	PK
		H	544.343	5.3	26.5	31.8	46	-14.2	QP
		H	900	2.1	29.2	31.3	46	-14.7	QP
		V	13000.0	34.7	9.8	44.5	54(note3)	-9.5	PK
		V	11650.5	56.8	4.9	61.7	74	-12.3	PK
		V	11650.0	45.2	4.9	50.1	54	-3.9	AV
		V	16000.0	36.6	7.6	44.2	54(note3)	-9.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

Note: 1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~25GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

802.11n(40MHz)

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 0	3	V	2423.3	66.3	30.4	96.7	Fundamental	/	PK
		H	256.01	6.3	19.7	26.0	46	-20.0	QP
		H	299.781	8.4	20.5	28.9	46	-17.1	QP
		V	3200	50.8	-13.4	37.4	54(note3)	-16.6	PK
		V	4986.5	53.8	-8.1	45.7	54(note3)	-8.3	PK
		V	7260	50.2	-0.8	49.4	54(note3)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	67.1	31.2	98.3	Fundamental	/	PK
		H	303.176	11.1	20.6	31.7	46	-14.3	QP
		H	565.319	5.4	26.6	32.0	46	-14.0	QP
		V	3200	50.5	-13.4	37.1	54(note3)	-16.9	PK
		V	4995	57.1	-8.1	49.0	54(note3)	-5.0	PK
		V	7281.5	51.7	-0.7	51.0	54(note3)	-3.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	9	V	2450.0	67.7	30.5	98.2	Fundamental	/	PK
		H	207.146	6.2	15.9	22.1	43.5	-21.4	QP
		H	299.66	8.9	20.5	29.4	46	-16.6	QP
		V	3200	51.2	-13.4	37.8	54(note3)	-16.2	PK
		V	4995	55.5	-8.1	47.4	54(note3)	-6.6	PK
		V	7315.5	53.9	-0.7	53.2	54(note3)	-0.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	151	V	5755.0	106.6	-8.2	98.4	Fundamental	/	PK
		H	303.176	11.1	20.6	31.7	46	-14.3	QP
		H	565.319	5.4	26.6	32.0	46	-14.0	QP
		H	13000.0	34.5	9.8	44.3	54(note3)	-9.7	PK
		H	11510.0	41.3	15.0	56.3	74	-17.7	PK
		H	11510.0	27.3	15.0	42.3	54	-11.7	AV
		V	16200.0	42.1	17.4	59.5	74	-14.5	PK
		V	16200.0	28.1	17.4	45.5	54	-8.5	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	159	V	5795.0	108.2	-8.2	100.0	Fundamental	/	PK
		H	298.569	11.1	20.4	31.5	46	-14.5	QP
		H	606.18	6.0	27.0	33.0	46	-13.0	QP

		V	13000.0	34.7	9.8	44.5	54(note3)	-9.5	PK
		V	11514.5	53.8	4.9	58.7	74	-15.3	PK
		V	11514.5	42.5	4.9	47.4	54	-6.6	AV
		V	16000.0	36.6	7.6	44.2	54(note3)	-9.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 1	3	V	2423.5	65.6	30.4	96.0	Fundamental	/	PK
		H	301.115	11.5	20.5	32.0	46	-14.0	QP
		H	565.319	5.4	26.6	32.0	46	-14.0	QP
		V	13000.0	35.2	9.8	45.0	54(note3)	-9.0	PK
		V	4995	56.8	-8.1	48.7	54(note3)	-5.3	PK
		V	7247.5	53.8	-0.8	53.0	54(note3)	-1.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	66.6	31.2	97.8	Fundamental	/	PK
		H	201.447	7.3	16.1	23.4	43.5	-20.1	QP
		H	299.66	8.9	20.5	29.4	46	-16.6	QP
		V	3200	52.6	-13.4	39.2	54(note3)	-14.8	PK
		V	4986.5	53.8	-8.1	45.7	54(note3)	-8.3	PK
		V	7281.3	52.3	-0.7	51.6	54(note3)	-2.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	9	V	2449.3	66.0	30.5	96.5	Fundamental	/	PK
		H	544.343	5.3	26.5	31.8	46	-14.2	QP
		H	900	2.1	29.2	31.3	46	-14.7	QP
		V	3200	51.4	-13.4	38.0	54(note3)	-16.0	PK
		V	4995	54.9	-8.1	46.8	54(note3)	-7.2	PK
		V	7341	54.4	-0.6	53.8	74	-20.2	PK
		V	7341	50.2	-0.6	49.6	54	-4.4	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	151	V	5755.0	103.7	-8.2	95.5	Fundamental	/	PK
		V	599.8	4.9	13.7	18.6	46	-27.4	QP
		V	697.3	1.9	14.3	16.2	46	-29.8	QP
		V	13000.0	35.2	9.8	45.0	54(note3)	-9.0	PK
		V	11514.5	54.3	4.9	59.2	74	-14.8	PK
		V	11514.0	40.9	4.9	45.8	54	-8.2	AV
		V	16000.0	37.0	7.6	44.6	54(note3)	-9.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	159	V	5795.0	103.9	-8.2	95.7	Fundamental	/	PK
		H	553.3	6.0	11.9	17.9	46	-28.1	QP

		H	697.3	4.0	14.3	18.3	46	-27.7	QP
		V	13000.0	35.0	9.8	44.8	54(note3)	-9.2	PK
		V	11582.5	53.0	4.9	57.9	74	-16.1	PK
		V	11582.1	40.8	4.9	45.7	54	-8.3	AV
		V	16000.0	36.3	7.6	43.9	54(note3)	-10.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
Chain 0+1	3	V	2419.2	66.4	30.4	96.8	Fundamental	/	PK
		H	299.902	5.8	20.5	26.3	46	-19.7	QP
		H	548.829	5.1	26.6	31.7	46	-14.3	QP
		V	3200	51.7	-13.4	38.3	54(note3)	-15.7	PK
		V	4995	57.6	-8.1	49.5	54(note3)	-4.5	PK
		V	7260	50.3	-0.8	49.5	54(note3)	-4.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	6	V	2437.0	64.5	31.2	99.7	Fundamental	/	PK
		H	235.6	24.2	12.3	36.5	46	-9.5	QP
		H	296.8	22.6	14.7	37.3	46	-8.7	QP
		V	3200.0	42.6	-0.6	42.0	54(note3)	-12.0	PK
		H	4874.0	42.5	2.8	45.2	54(note3)	-8.8	PK
		H	7298.5	47.7	8.8	56.5	74	-17.5	PK
		H	7311.0	32.2	8.8	41.0	54	-13.0	AV
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	9	V	2449.3	67.7	30.5	98.2	Fundamental	/	PK
		H	303.661	6.9	20.6	27.5	46	-18.5	QP
		H	571.503	5.2	26.6	31.8	46	-14.2	QP
		V	13000.0	34.8	9.8	44.6	54(note3)	-9.4	PK
		H	4904.0	41.8	3.2	45.0	54(note3)	-9.0	PK
		H	7356.0	41.6	9.6	51.2	54(note3)	-2.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK
	151	V	5755.0	108.7	-8.2	100.5	Fundamental	/	PK
		H	299.902	5.8	20.5	26.3	46	-19.7	QP
		H	548.829	5.1	26.6	31.7	46	-14.3	QP
		V	13000.0	35.4	9.8	45.2	54(note3)	-8.8	PK
		V	11506.0	53.2	4.9	58.1	74	-15.9	PK
		V	11506.0	42.2	4.9	47.1	54	-6.9	AV
		V	16000.0	37.0	7.6	44.6	54(note3)	-9.4	PK
		H	24000.0	59.6	-8.9	50.7	54(note3)	-3.3	PK
	159	V	5795.0	109.0	-8.2	100.8	Fundamental	/	PK

		H	298.205	6.8	20.4	27.2	46	-18.8	QP
		H	571.503	5.2	26.6	31.8	46	-14.2	QP
		H	13000.0	34.8	9.8	44.6	54(note3)	-9.4	PK
		V	11599.5	54.6	4.9	59.5	74	-14.5	PK
		V	11599.5	41.3	4.9	46.2	54	-7.8	AV
		V	16000.0	37.1	7.6	44.7	54(note3)	-9.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note3)	-3.8	PK

Note: 1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 9kHz~30MHz, 18GHz~25GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

5. RF Antenna Conducted Spurious

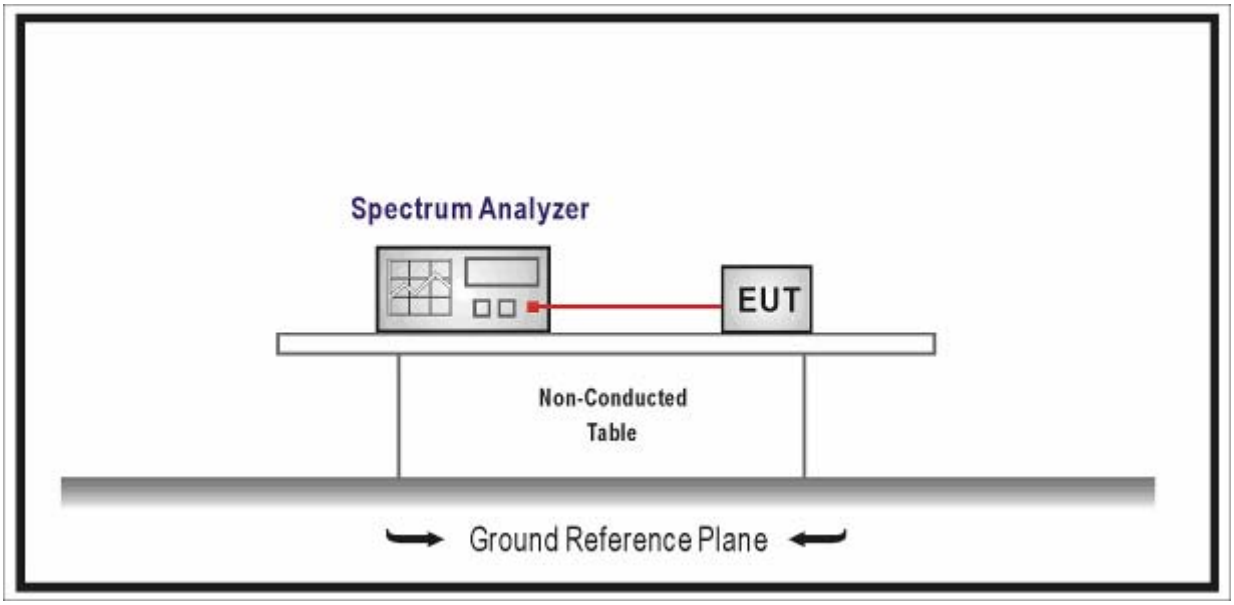
5.1. Test Equipment

RF Antenna Conducted Spurious / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2013.04.18
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2013.05.07

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



5.3. Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 and KDB 558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

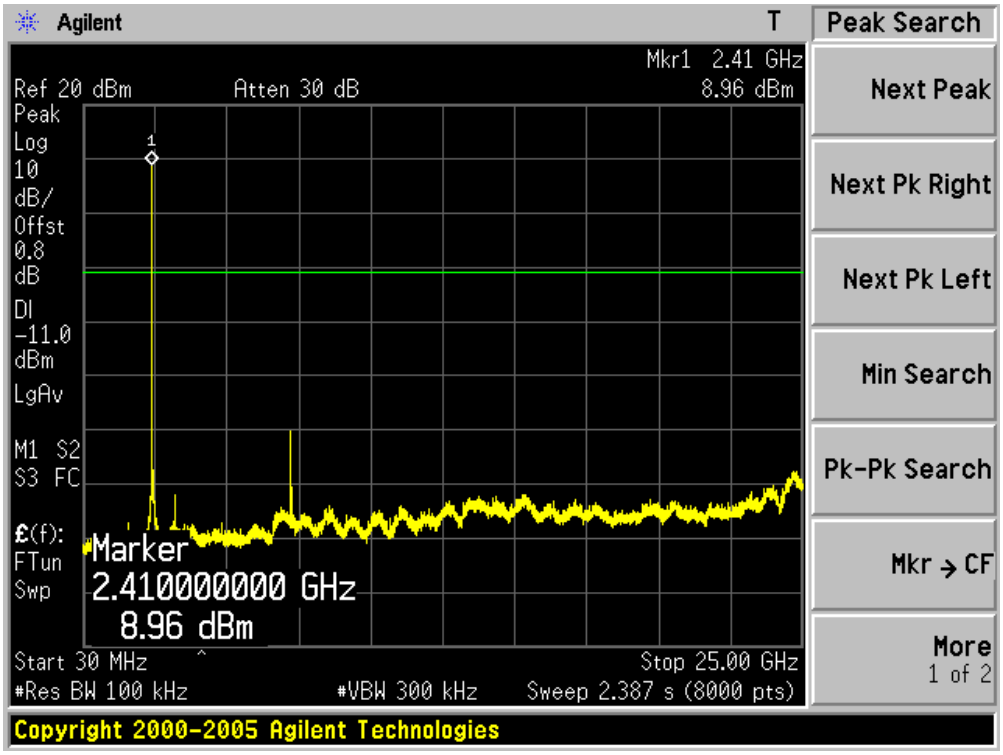
5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

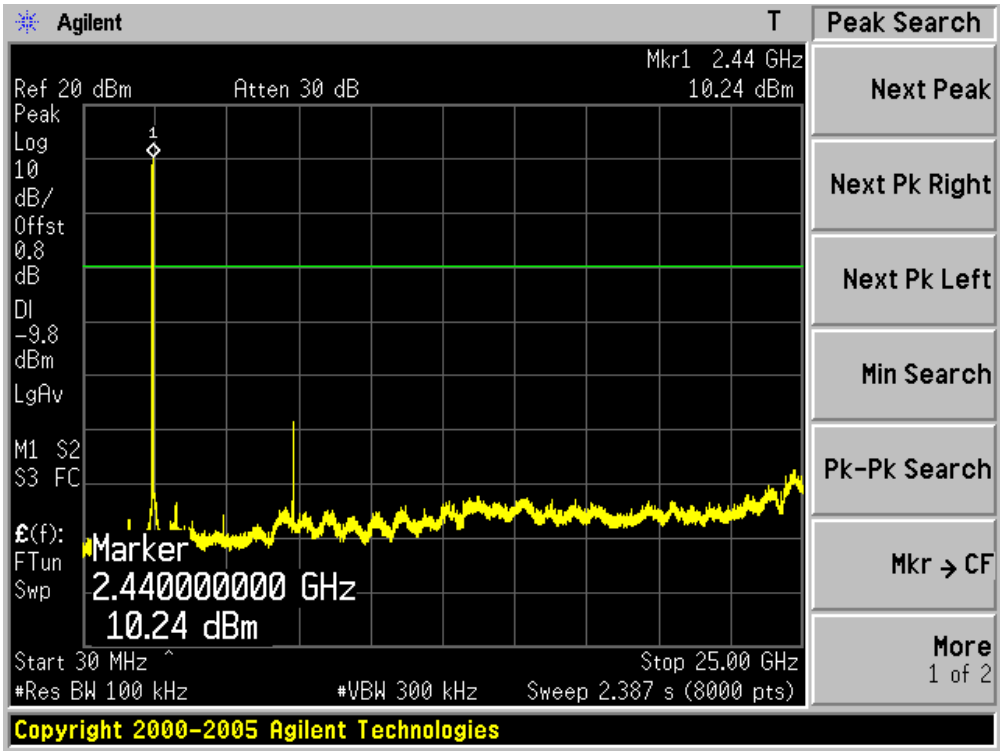
5.6. Test Result

Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 0)

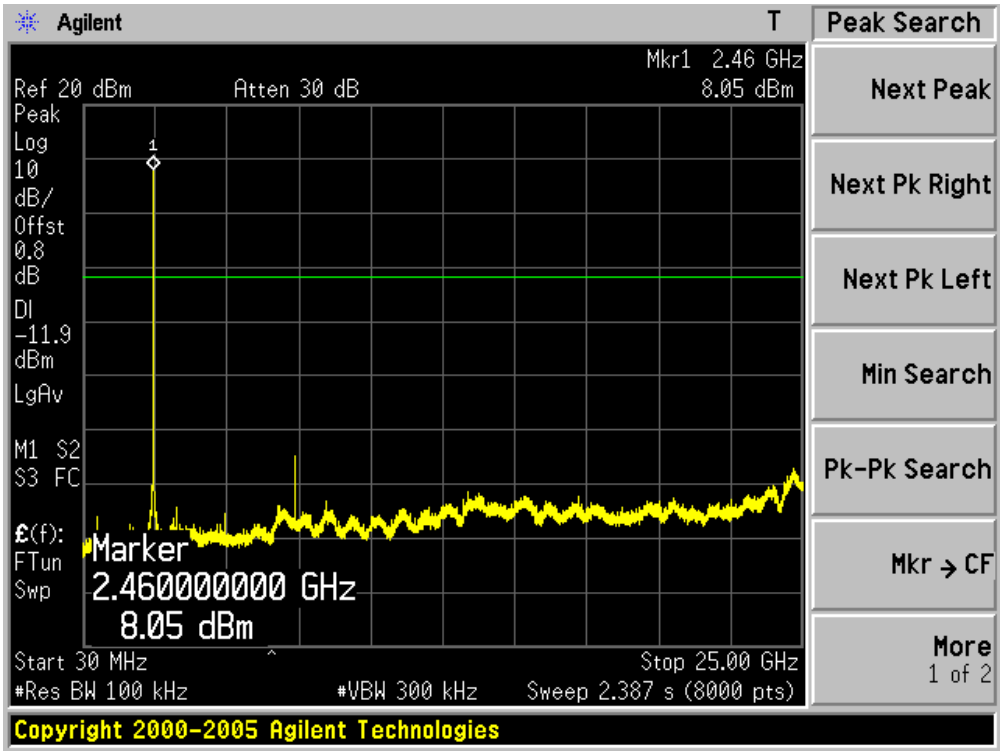
Channel 01 (2412MHz)



Channel 06 (2437MHz)

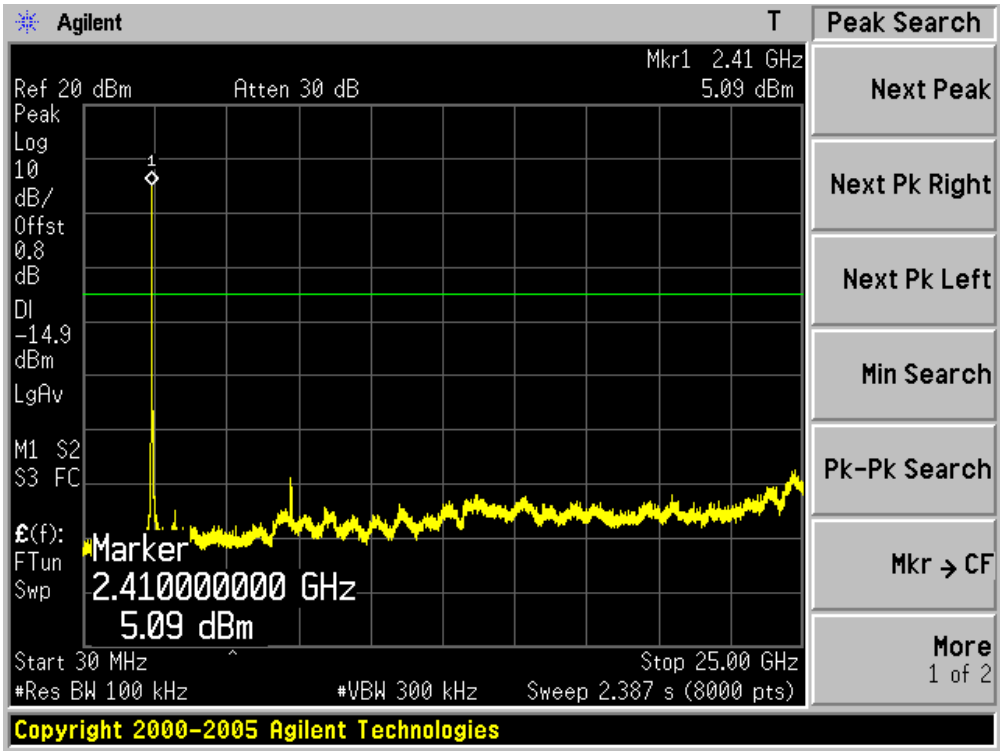


Channel 11 (2462MHz)

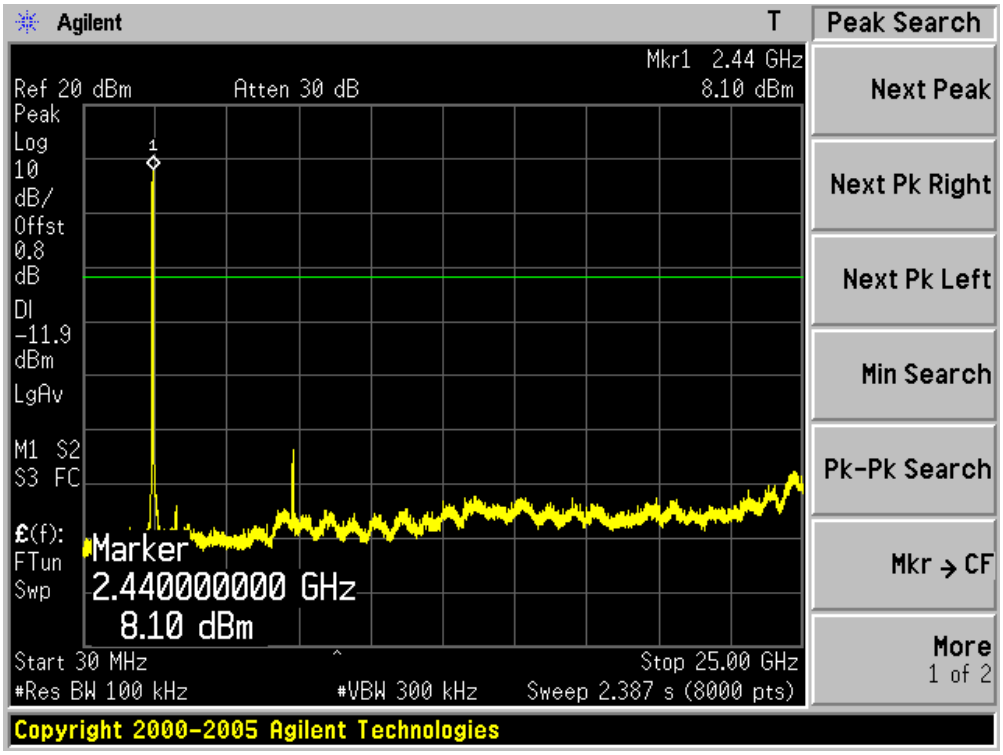


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 0)

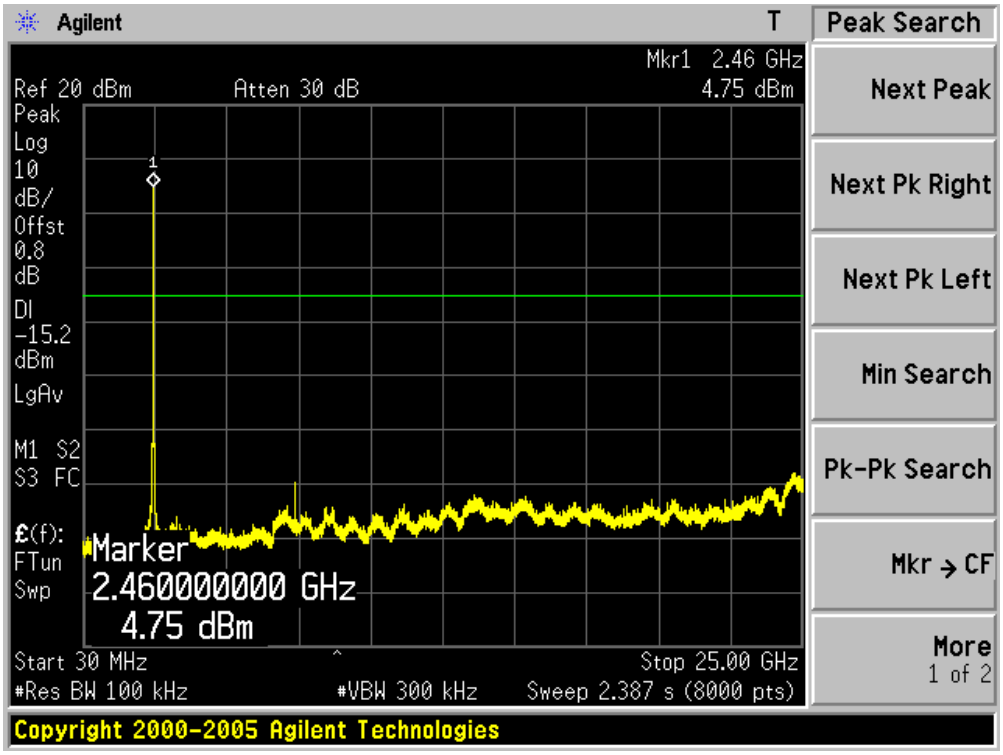
Channel 01 (2412MHz)



Channel 06 (2437MHz)

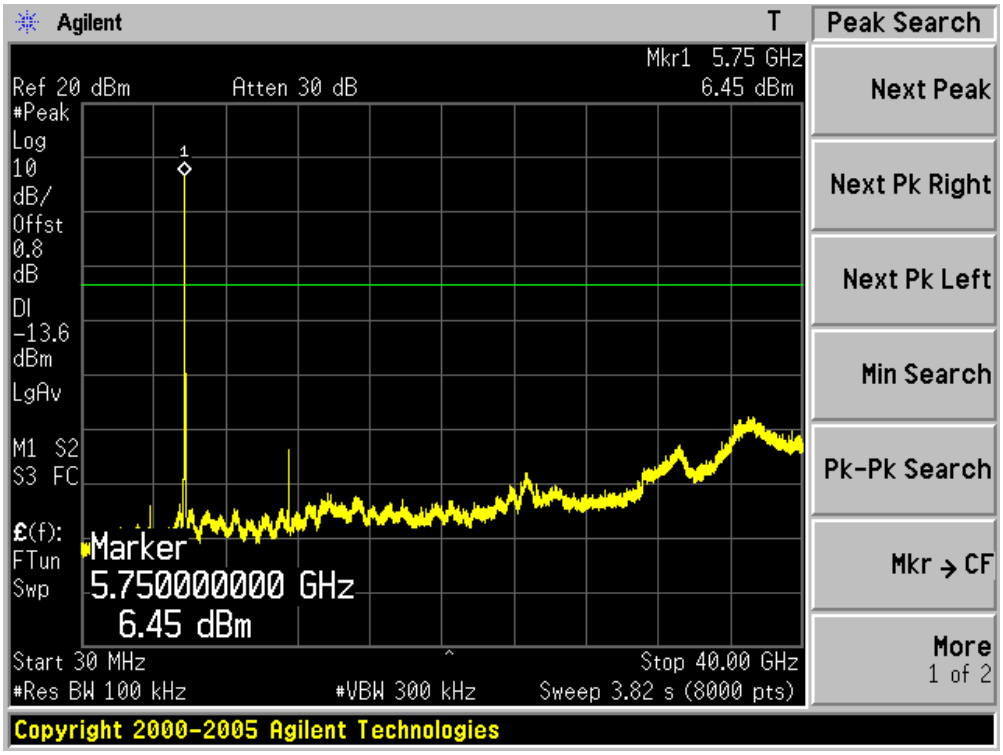


Channel 11 (2462MHz)

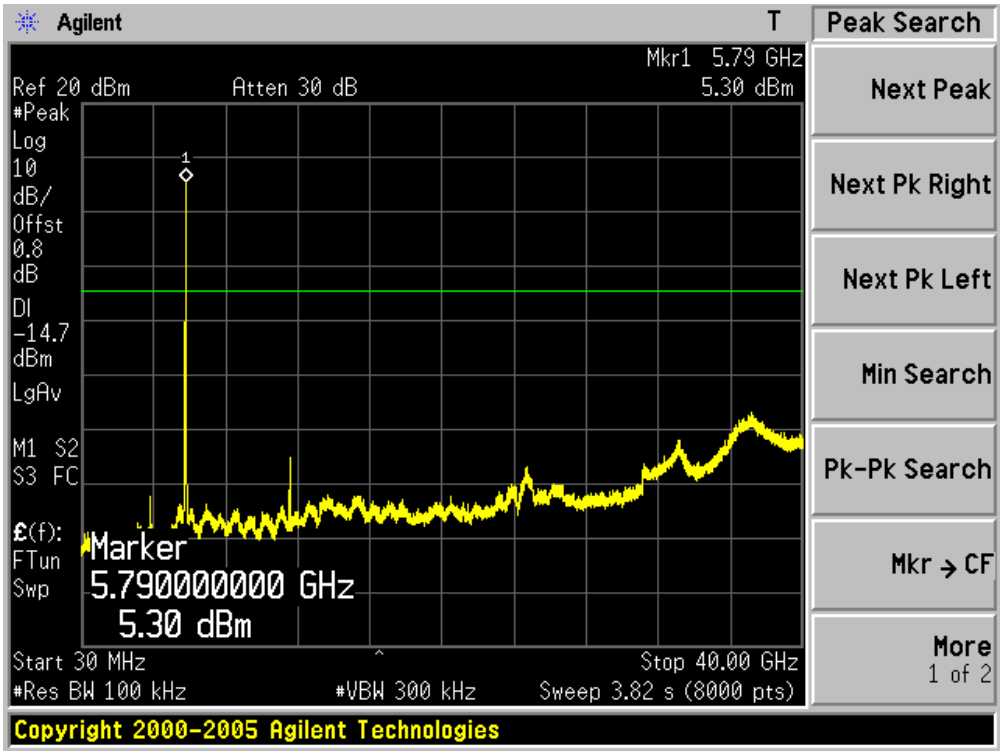


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 0)

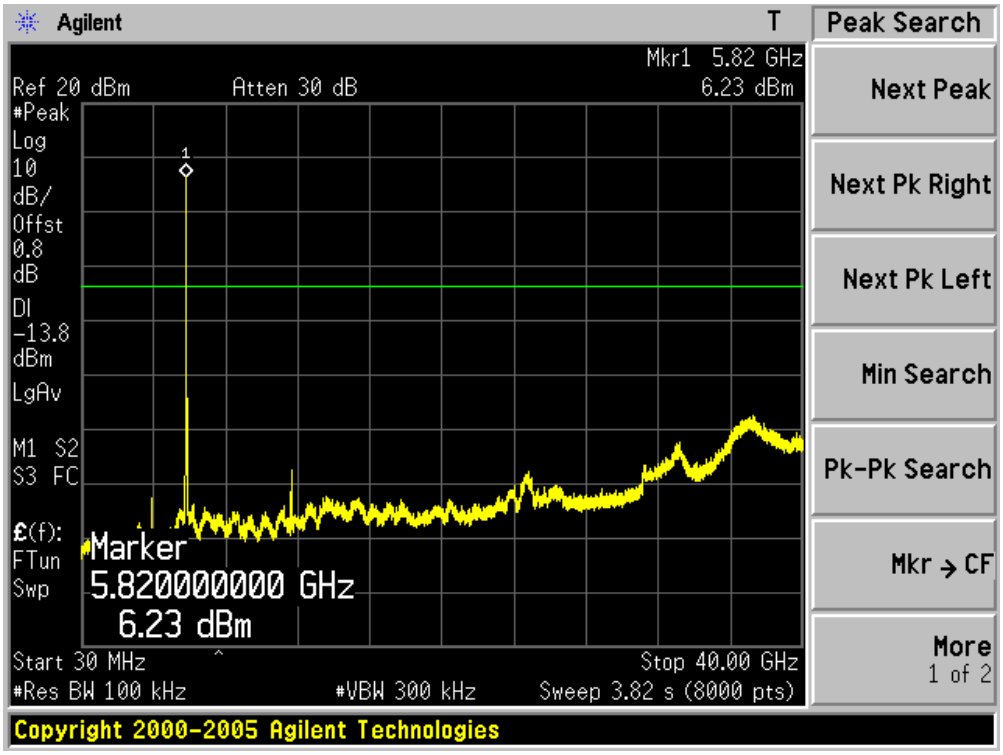
Channel 149 (5745MHz)



Channel 157 (5785MHz)

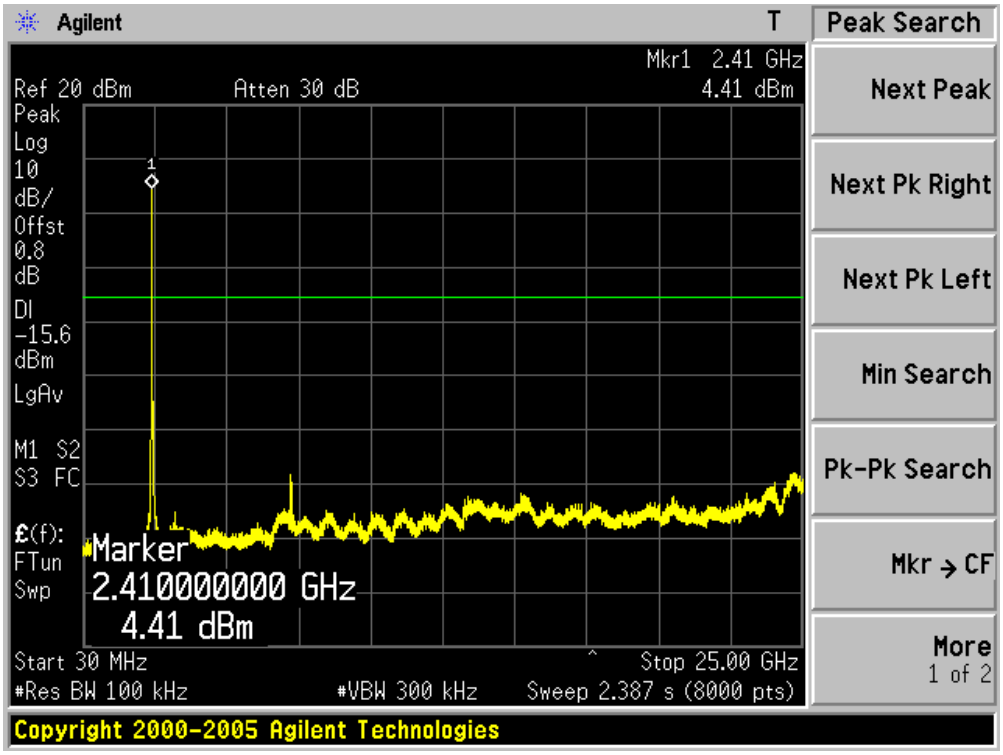


Channel 165 (5825MHz)

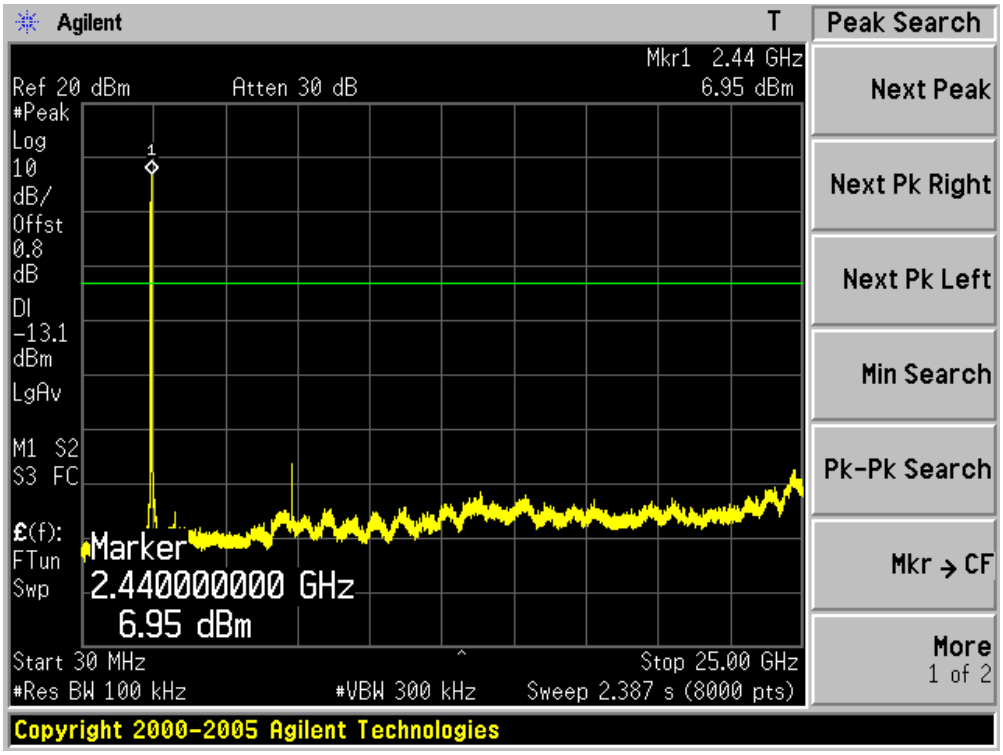


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz)(Chain 0)

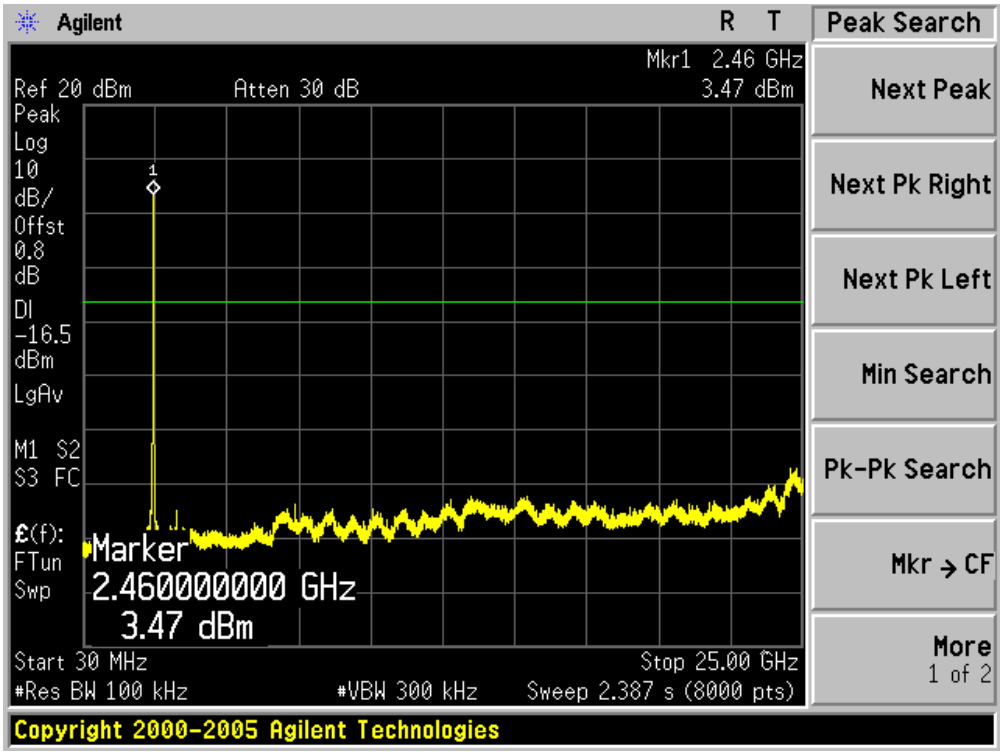
Channel 01 (2412MHz)



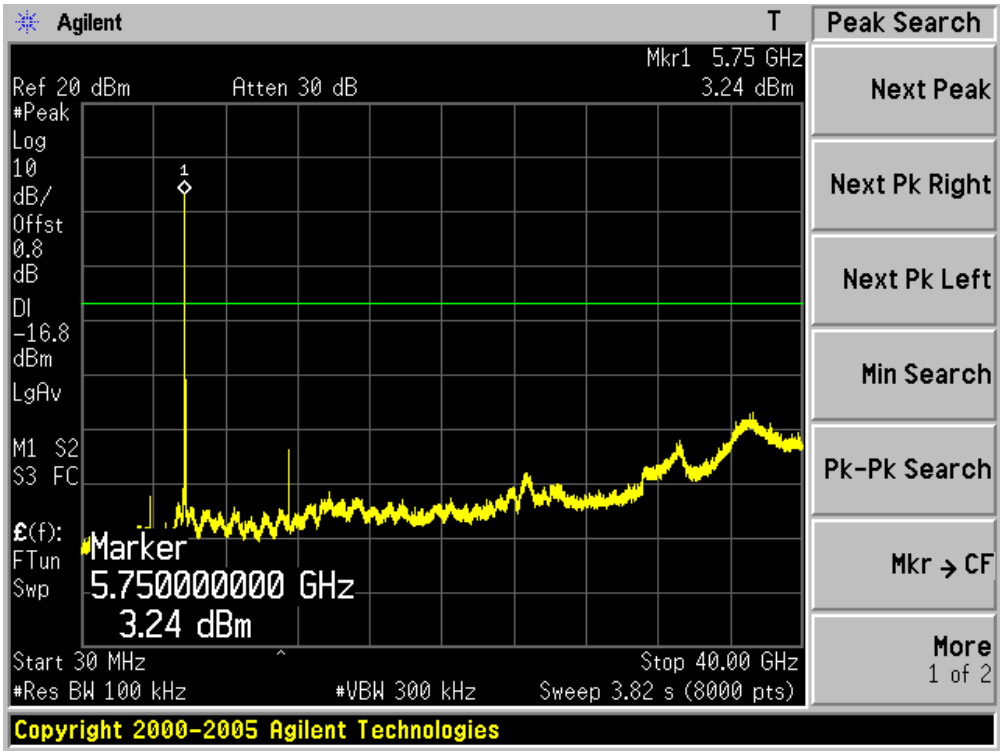
Channel 06 (2437MHz)



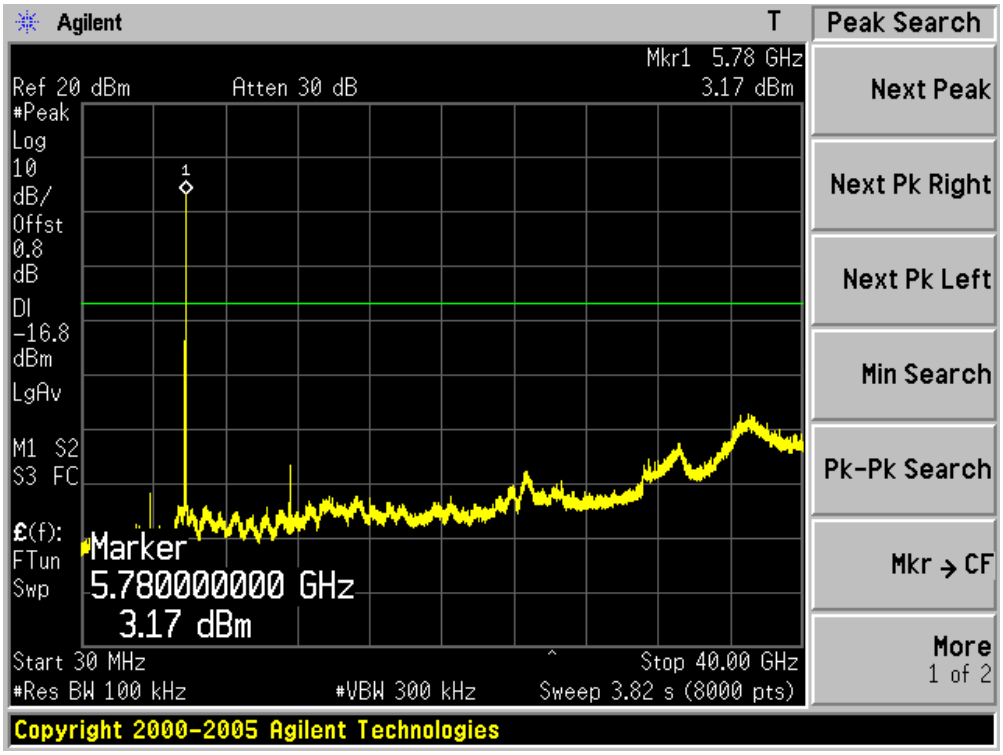
Channel 11 (2462MHz)



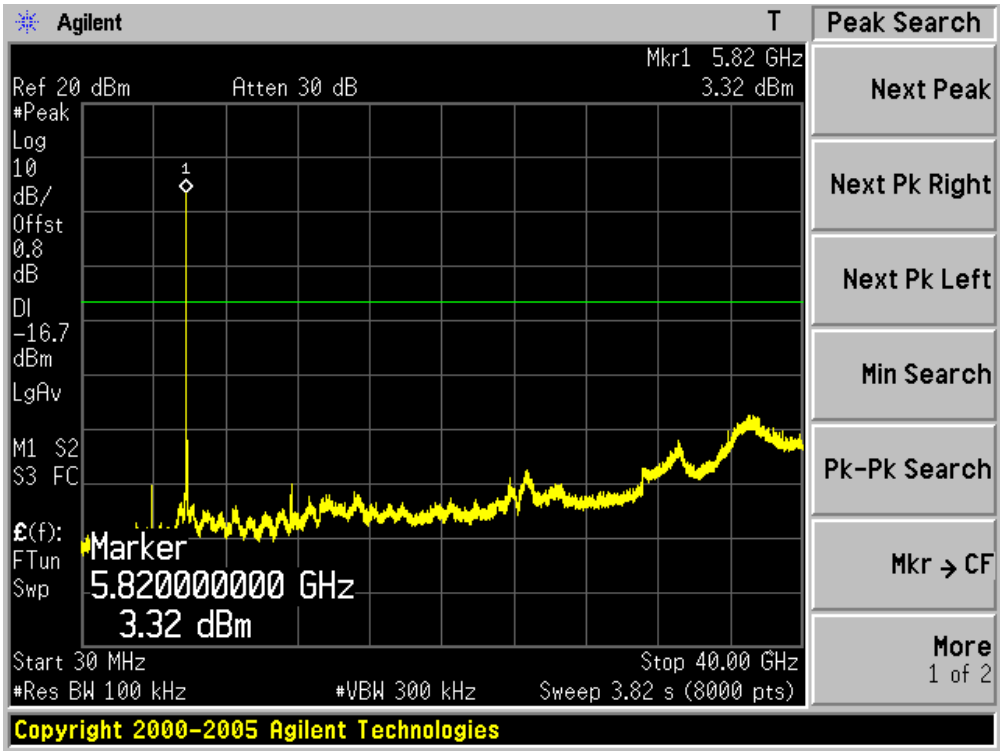
Channel 149 (5745MHz)



Channel 157 (5785MHz)

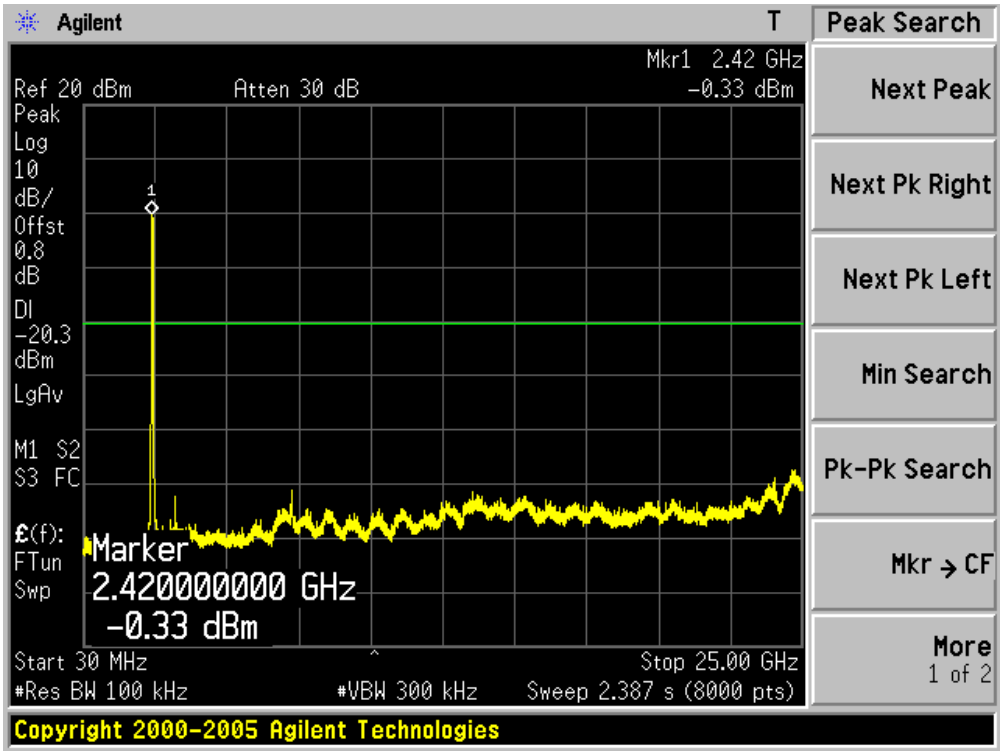


Channel 165 (5825MHz)

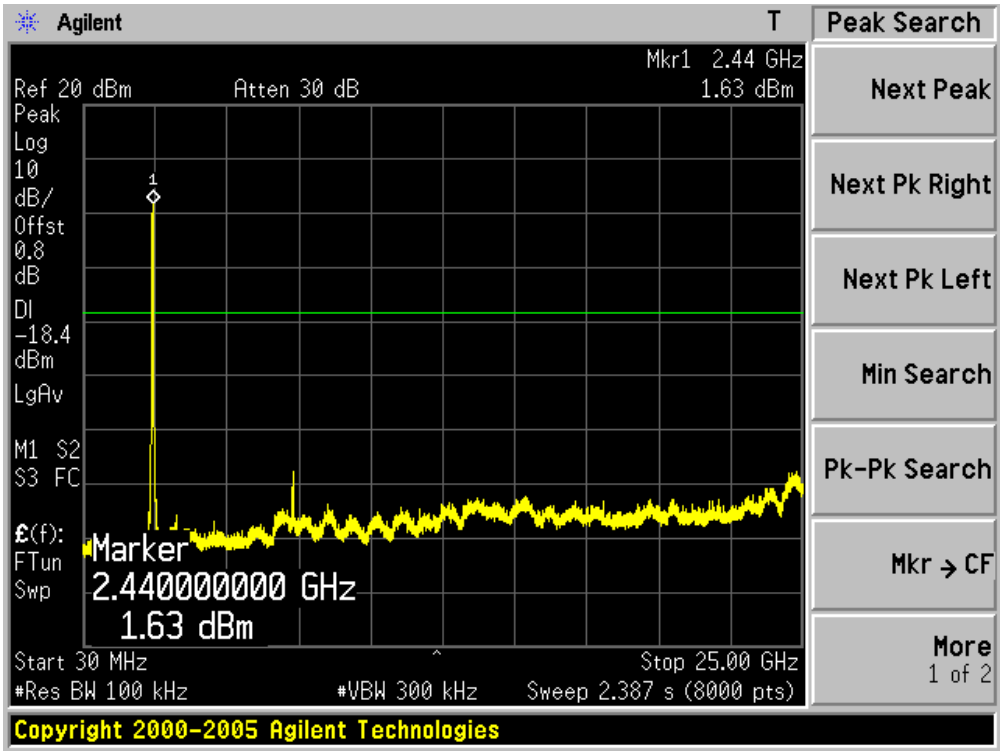


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 0)

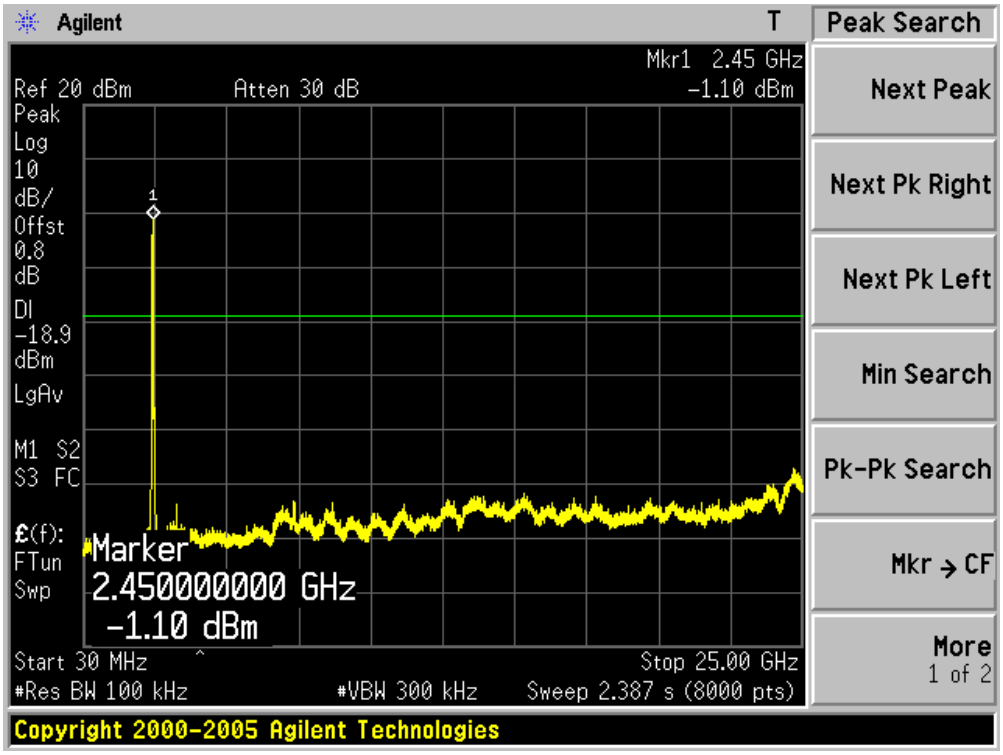
Channel 03 (2422MHz)



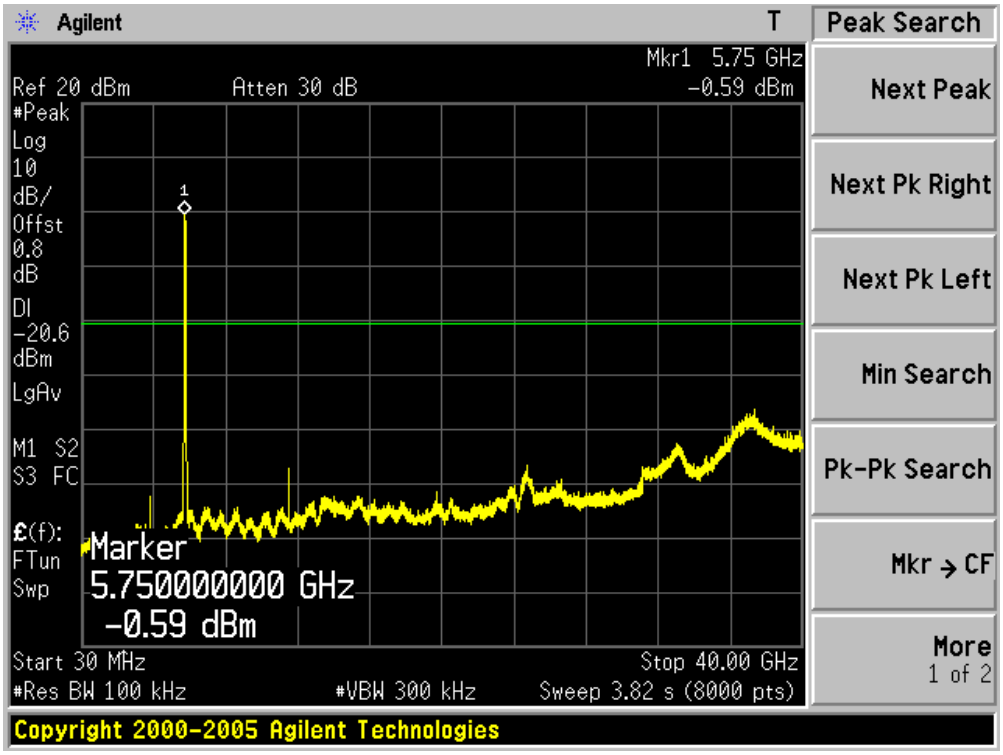
Channel 06 (2437MHz)



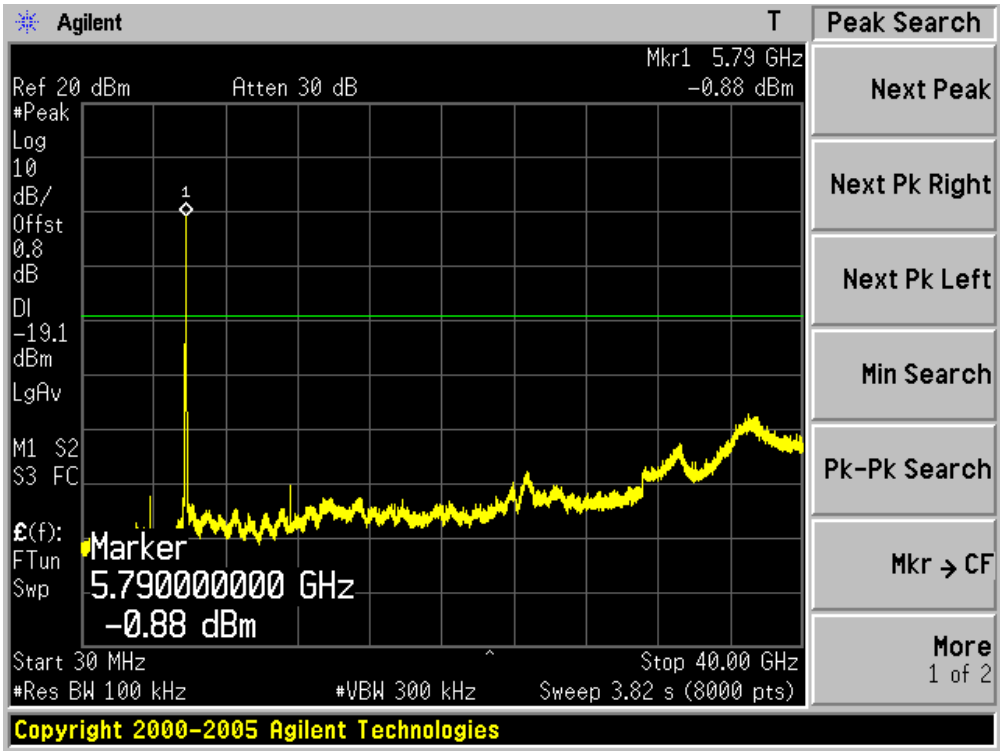
Channel 09 (2452MHz)



Channel 151 (5755MHz)

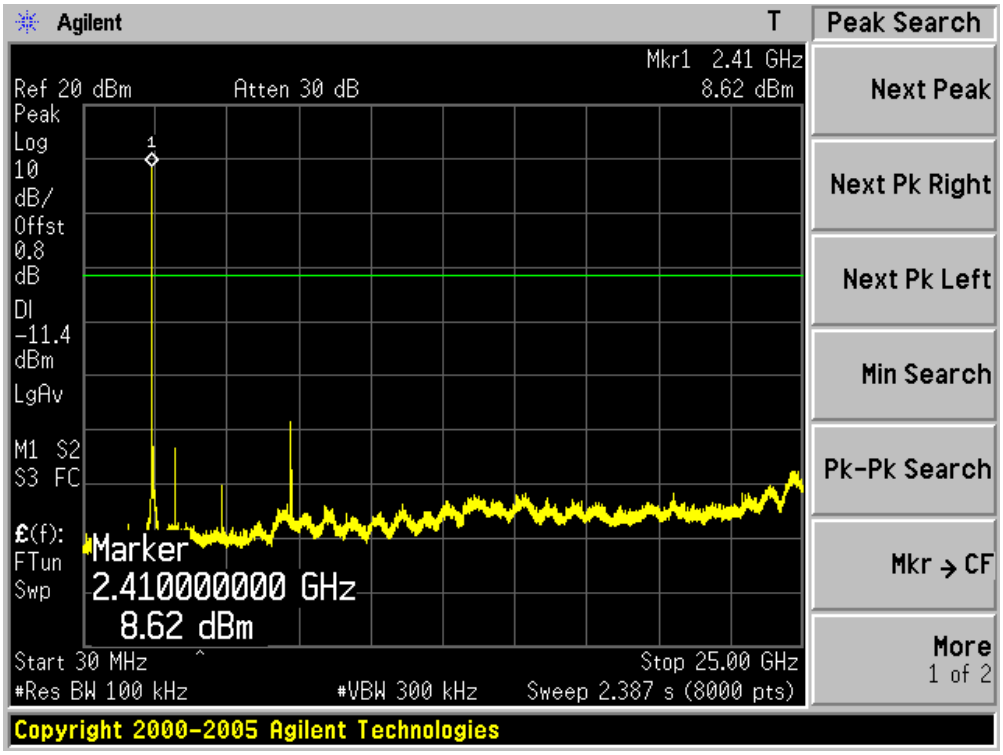


Channel 159 (5795MHz)

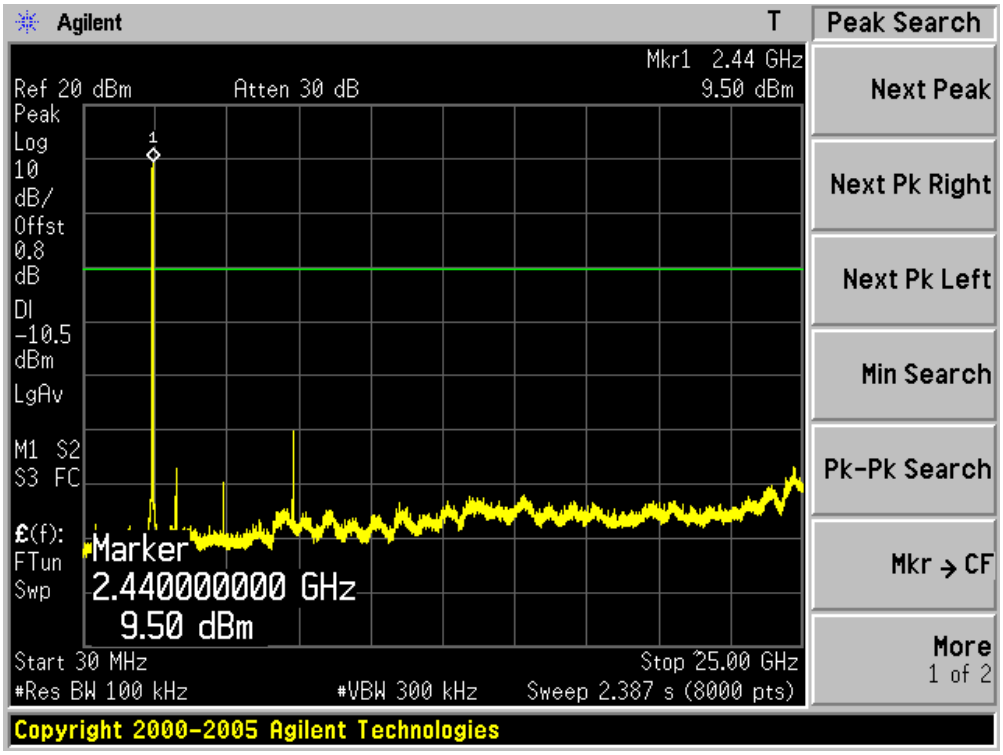


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 1)

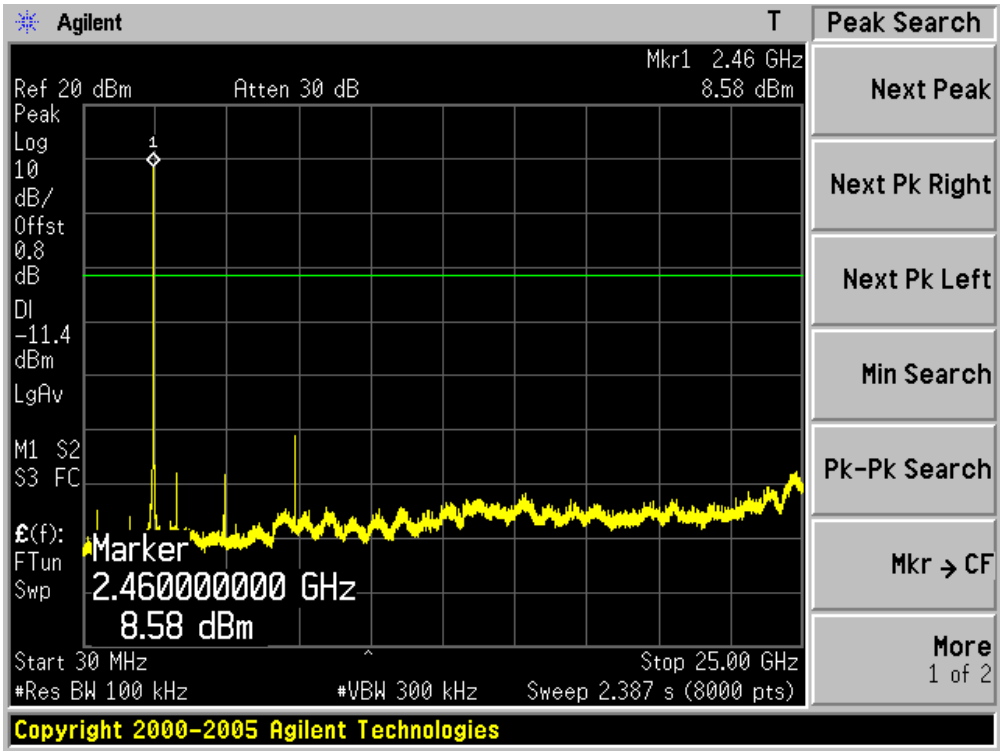
Channel 01 (2412MHz)



Channel 06 (2437MHz)

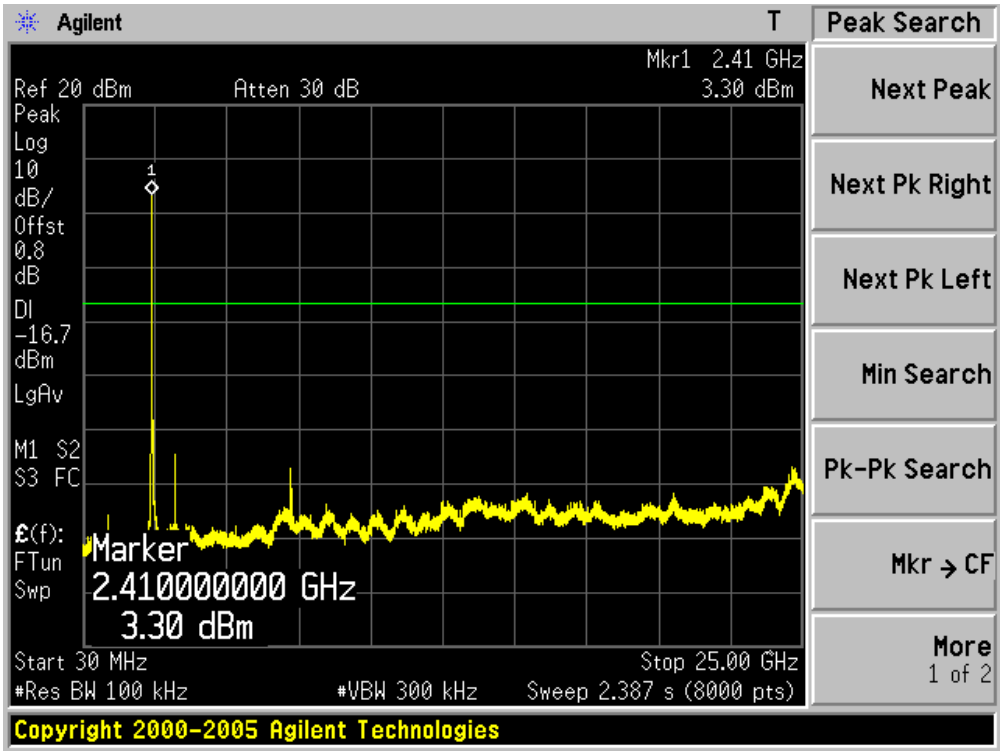


Channel 11 (2462MHz)

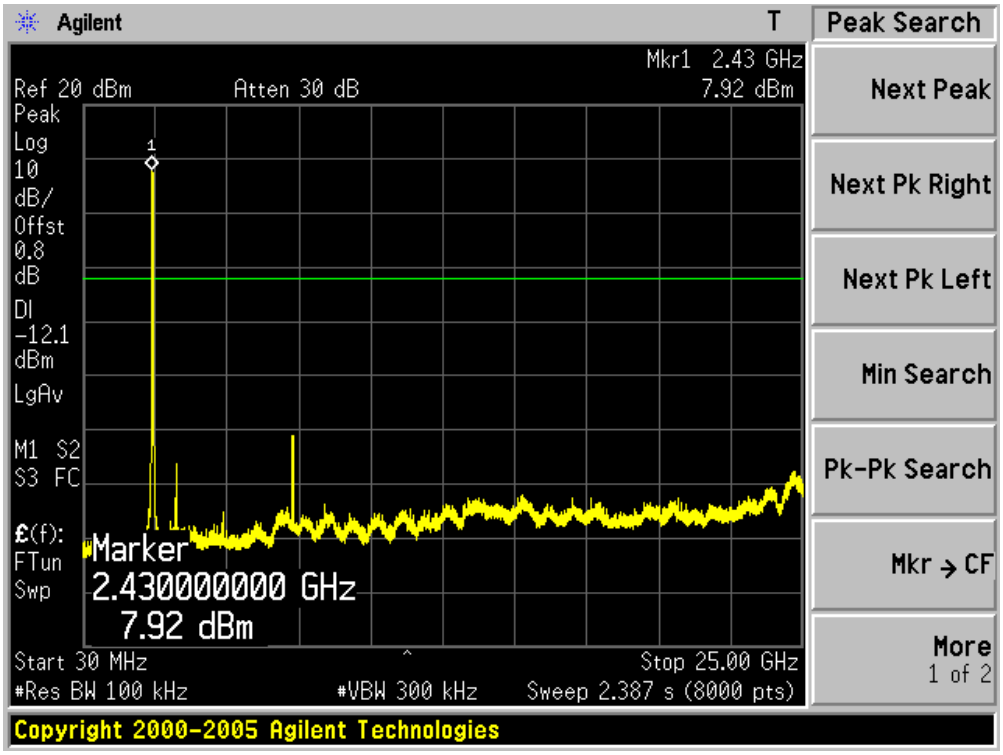


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 1)

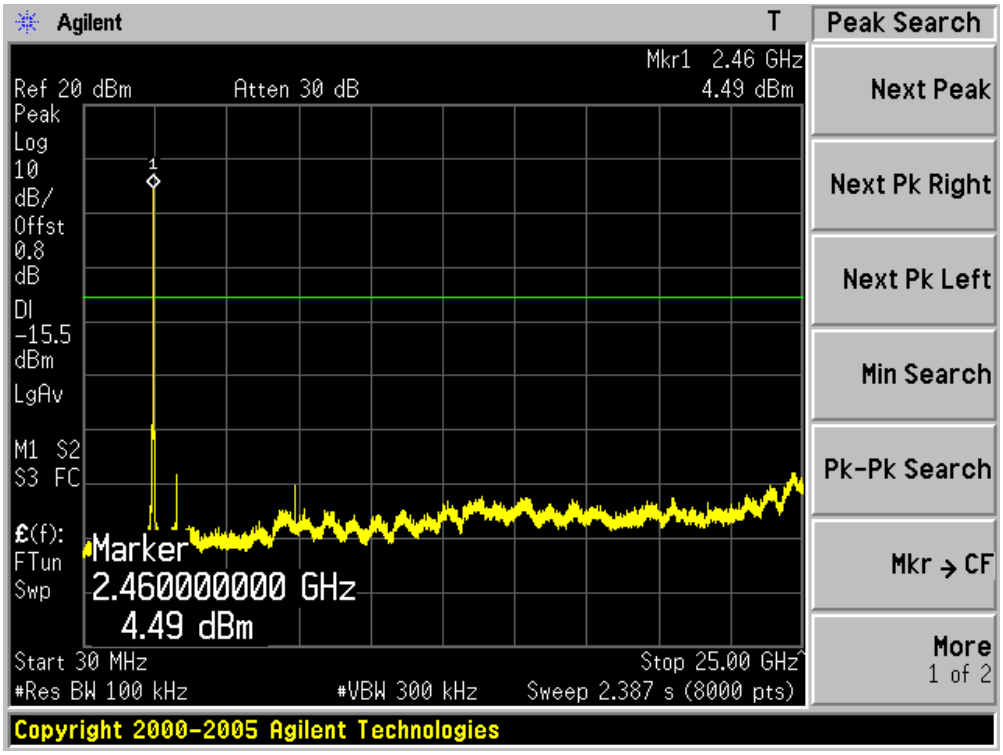
Channel 01 (2412MHz)



Channel 06 (2437MHz)

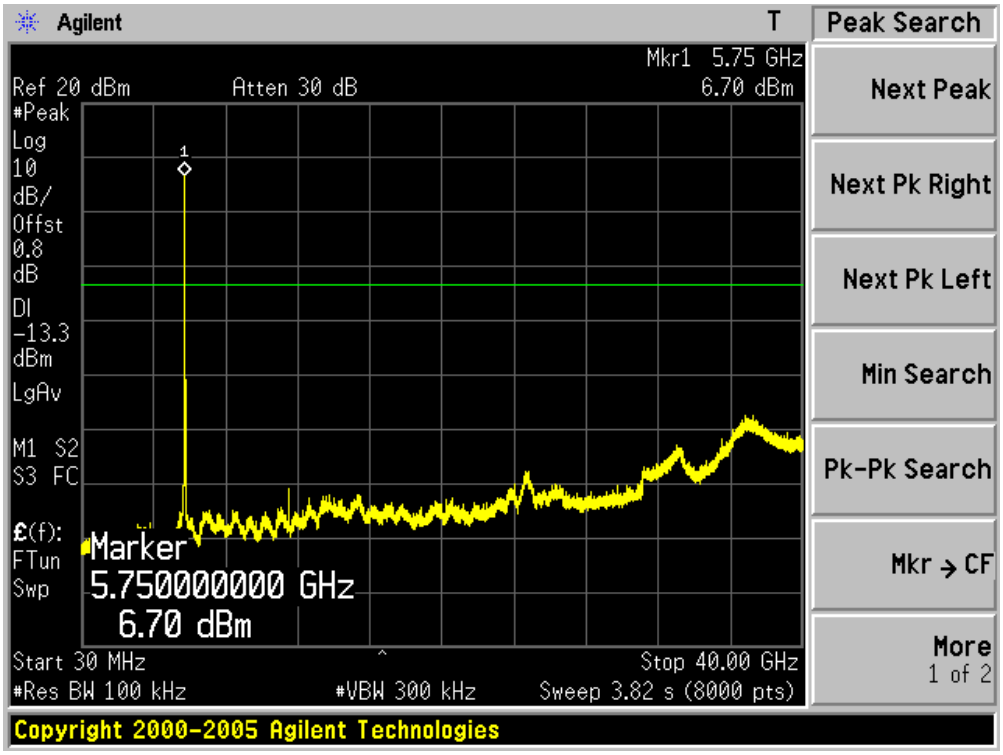


Channel 11 (2462MHz)

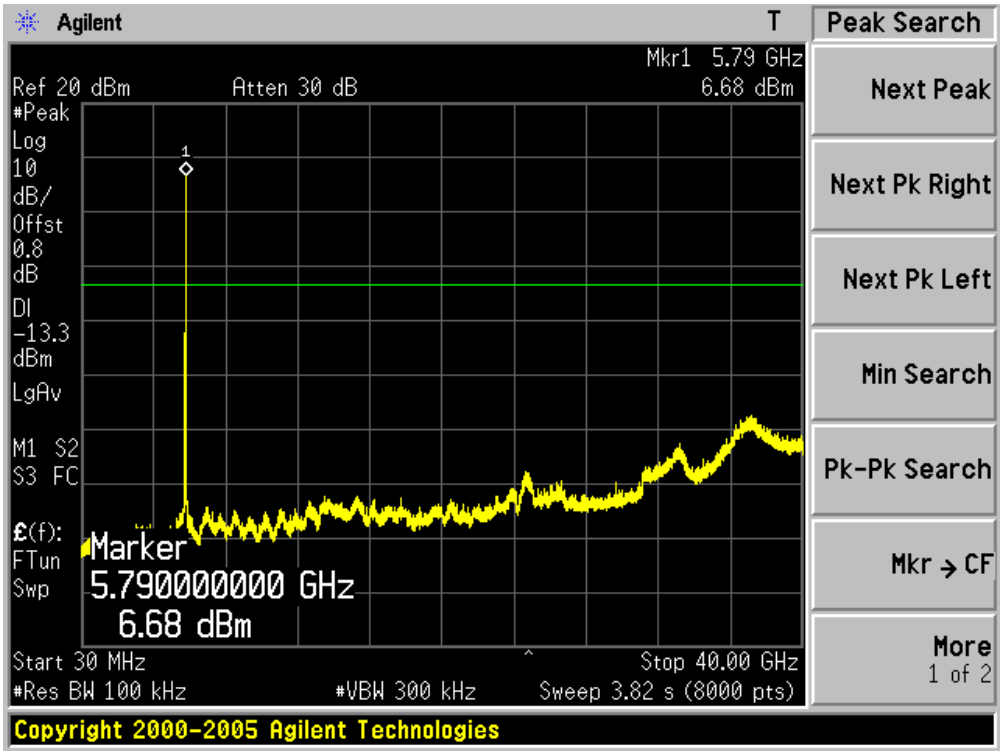


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 1)

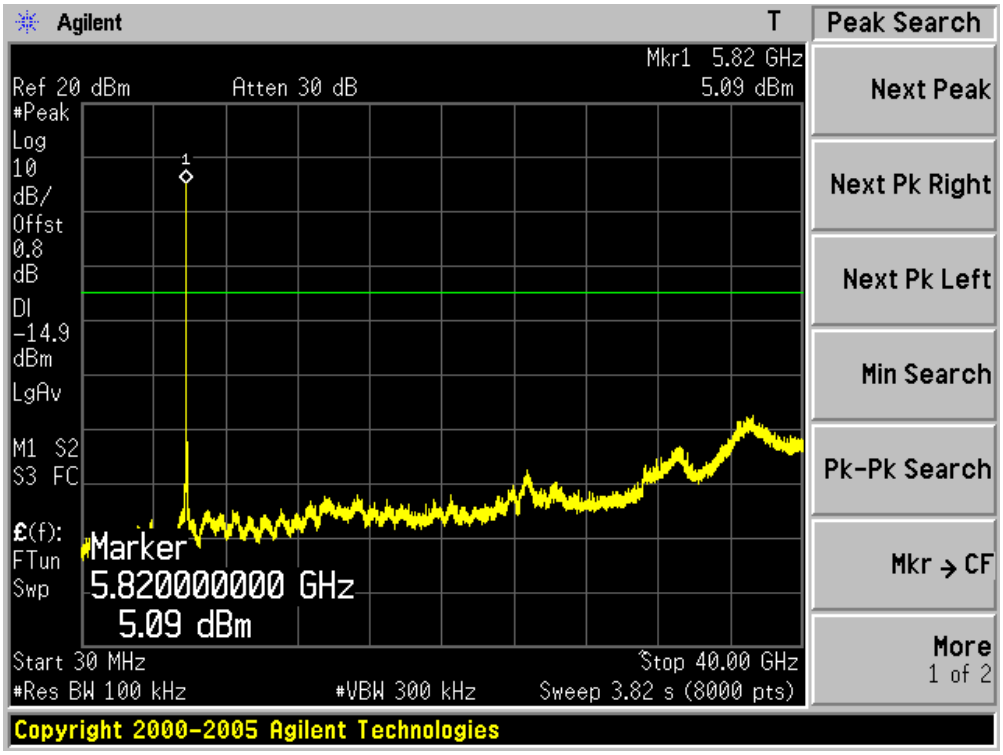
Channel 149 (5745MHz)



Channel 157 (5785MHz)

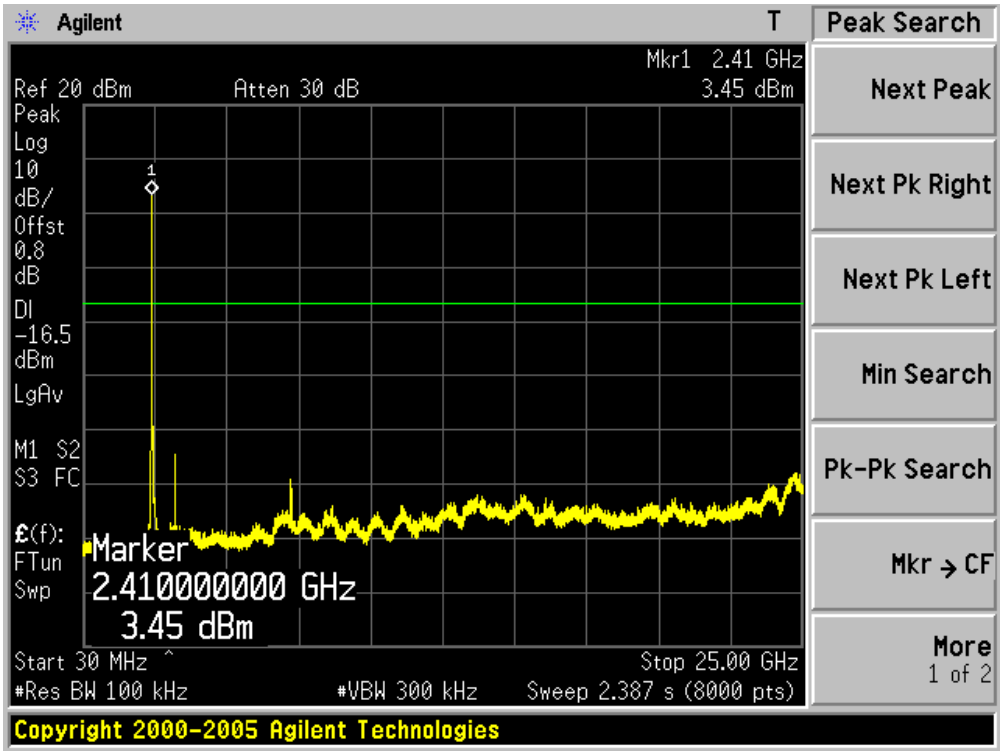


Channel 165 (5825MHz)

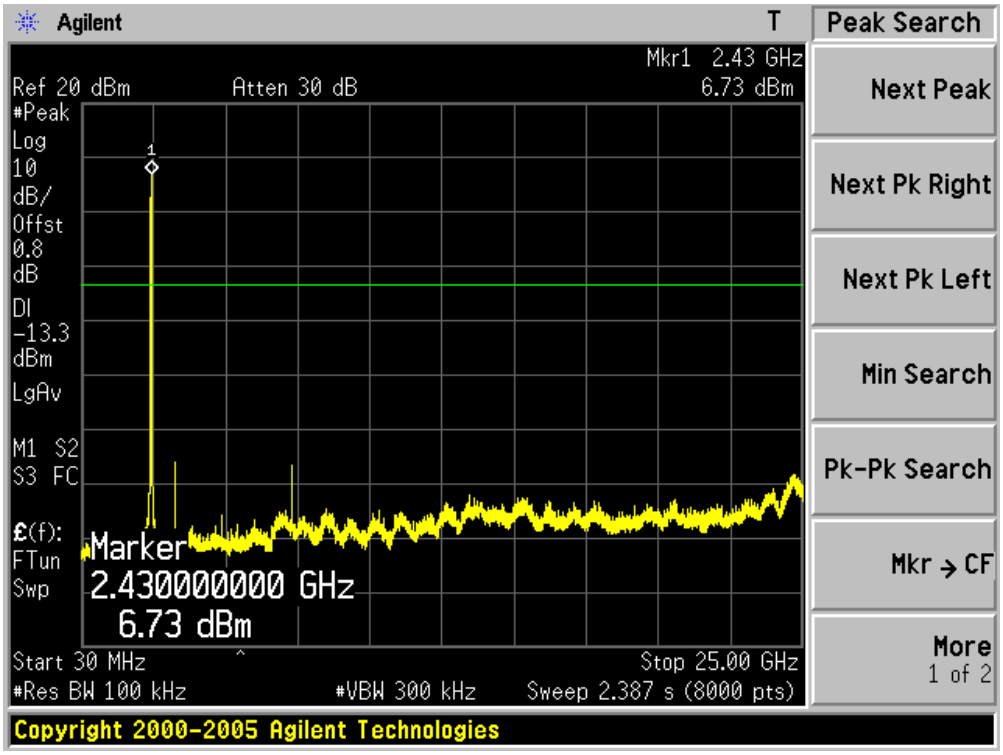


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 1)

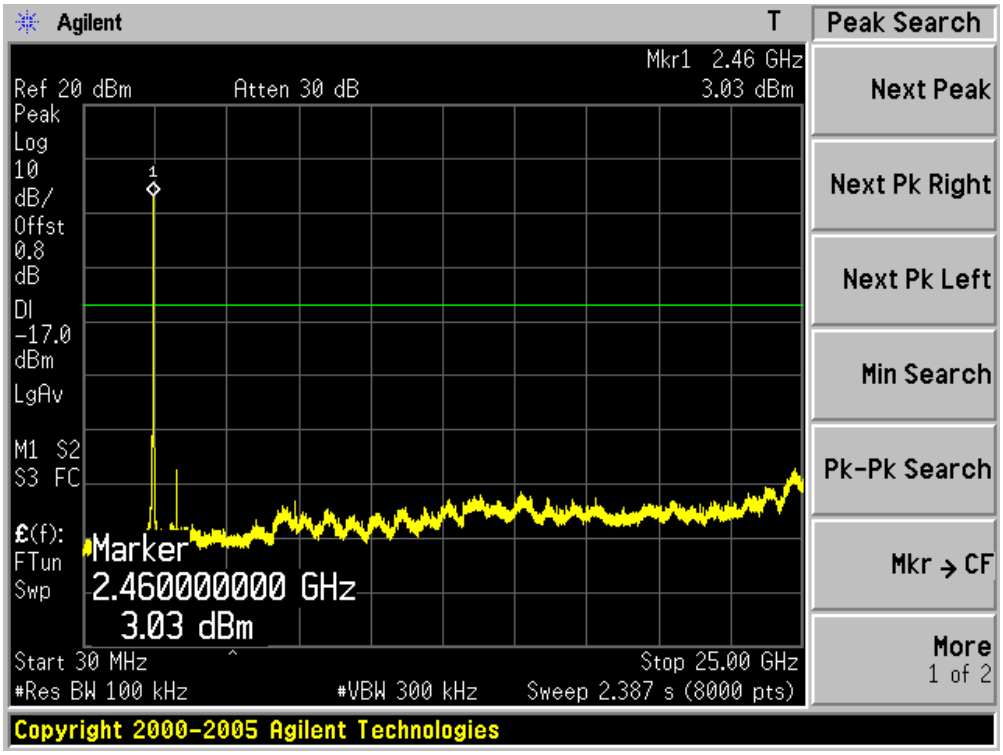
Channel 01 (2412MHz)



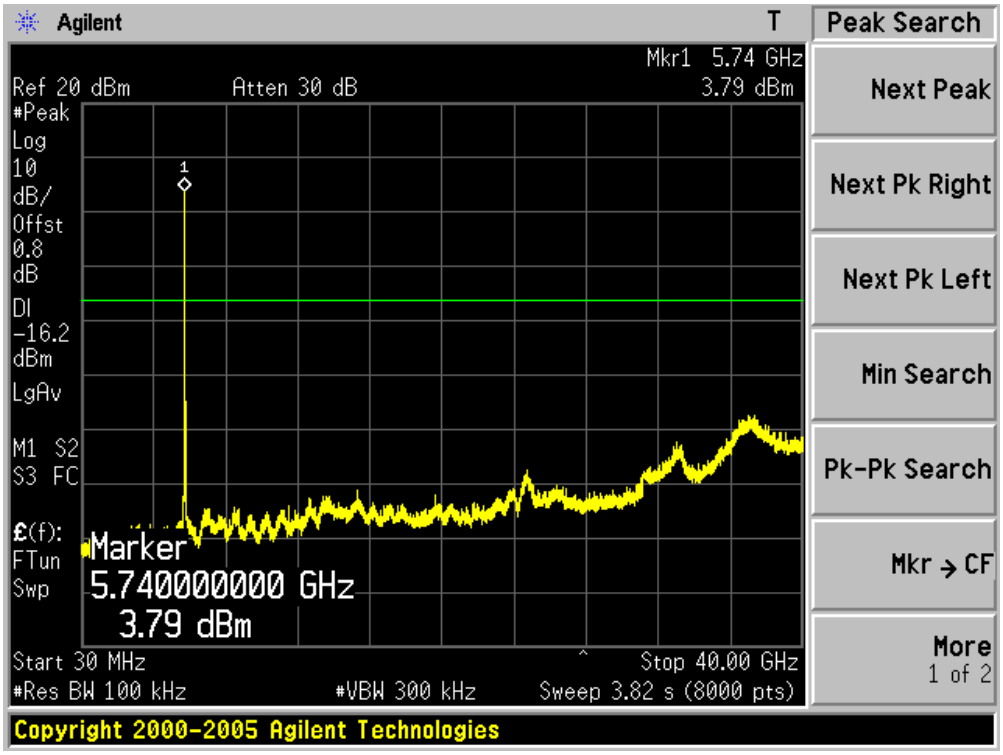
Channel 06 (2437MHz)



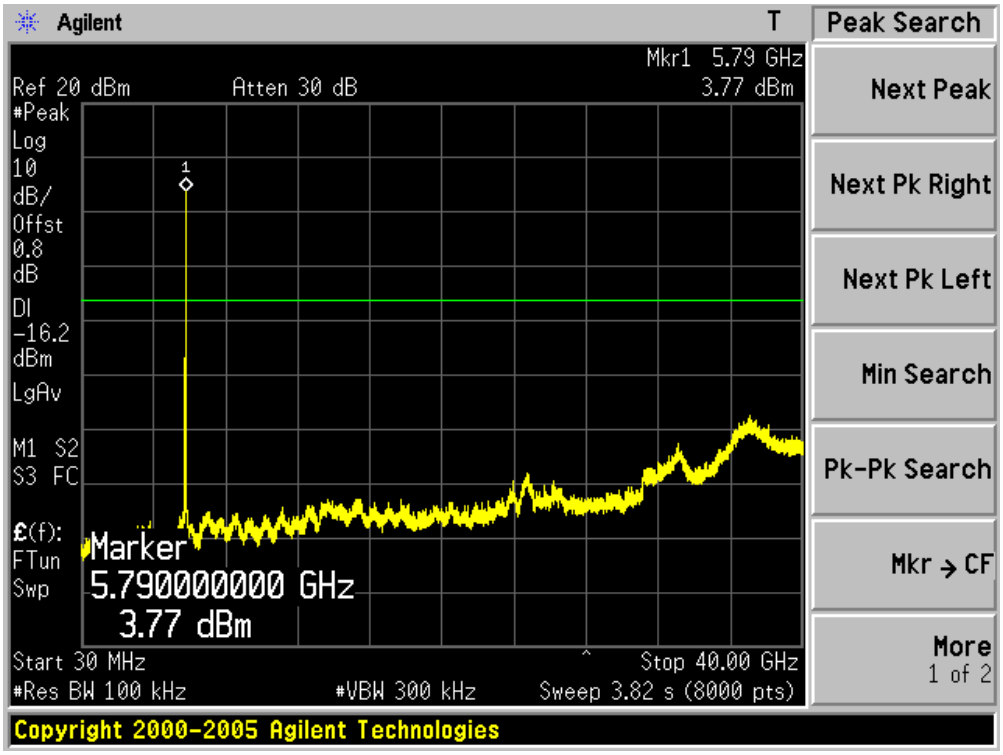
Channel 11 (2462MHz)



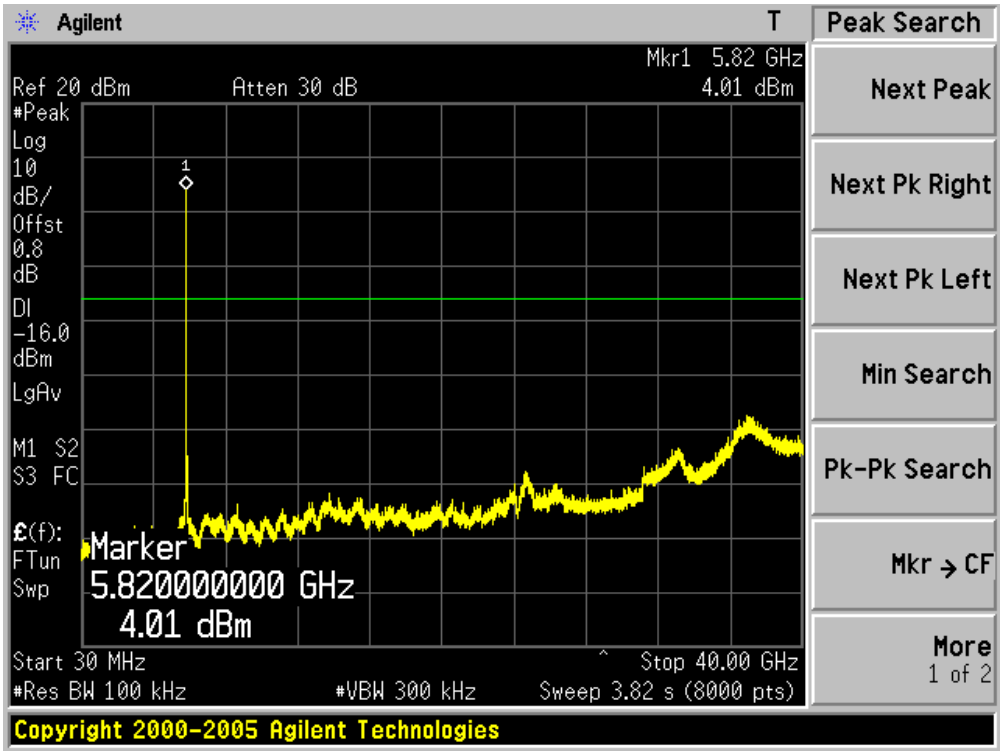
Channel 149 (5745MHz)



Channel 157 (5785MHz)

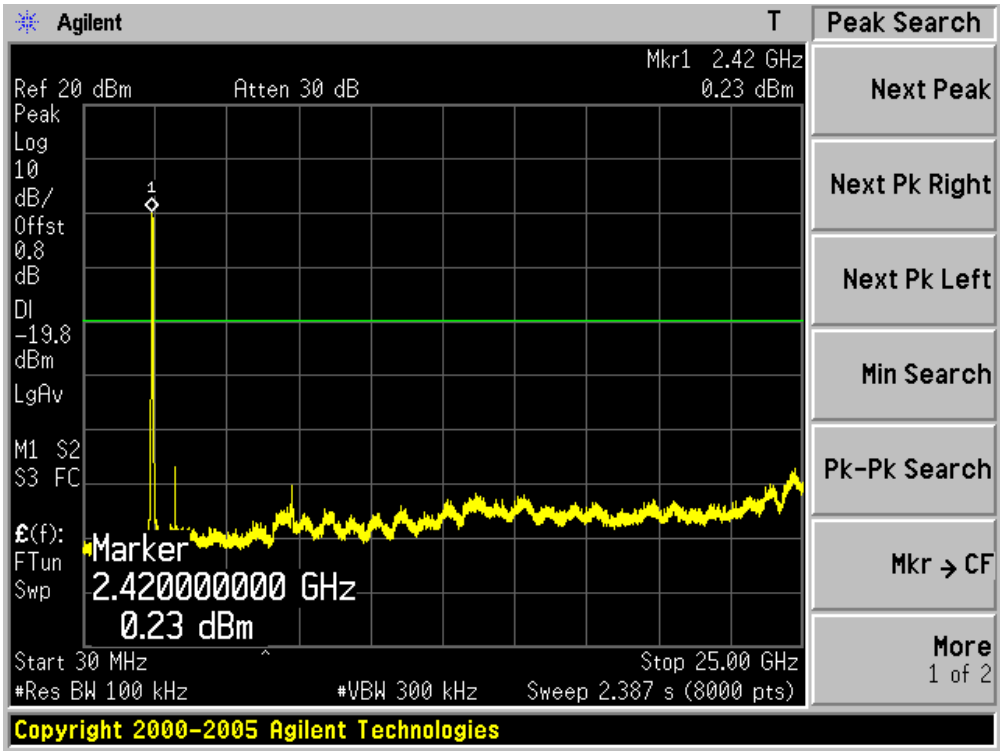


Channel 165 (5825MHz)

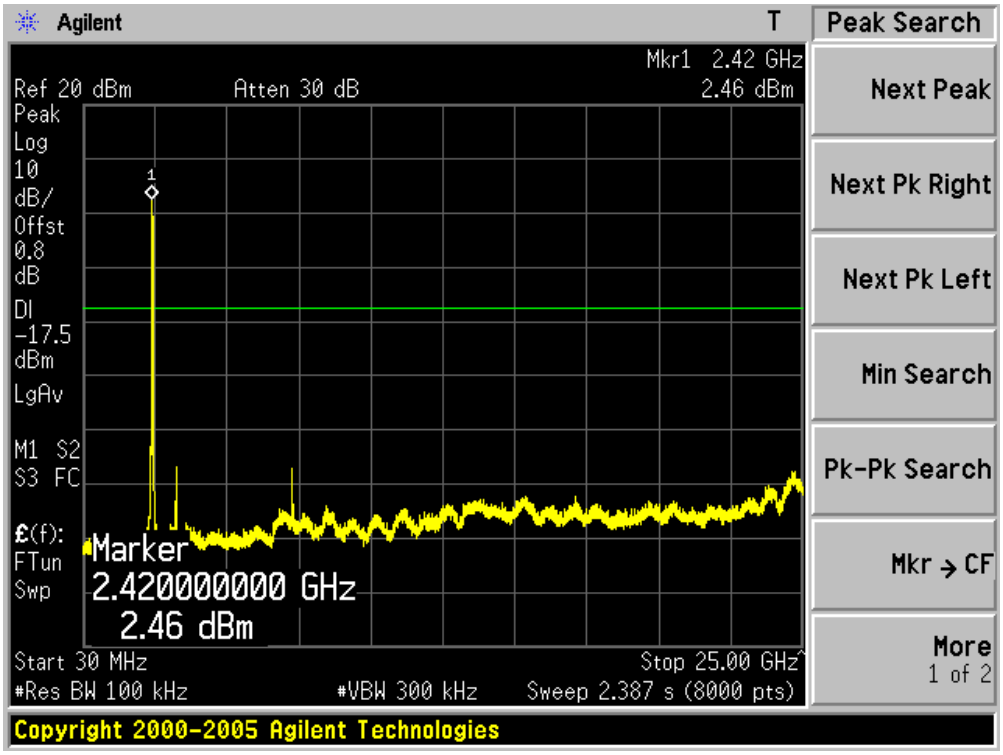


Product	:	IP-STB
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 1)

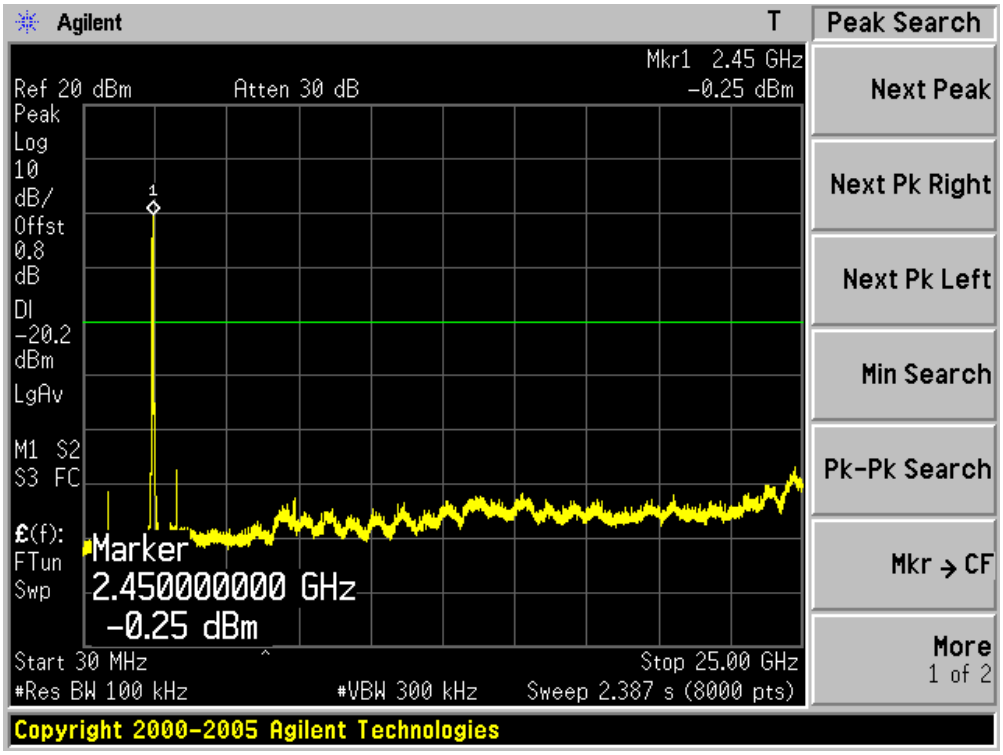
Channel 03 (2422MHz)



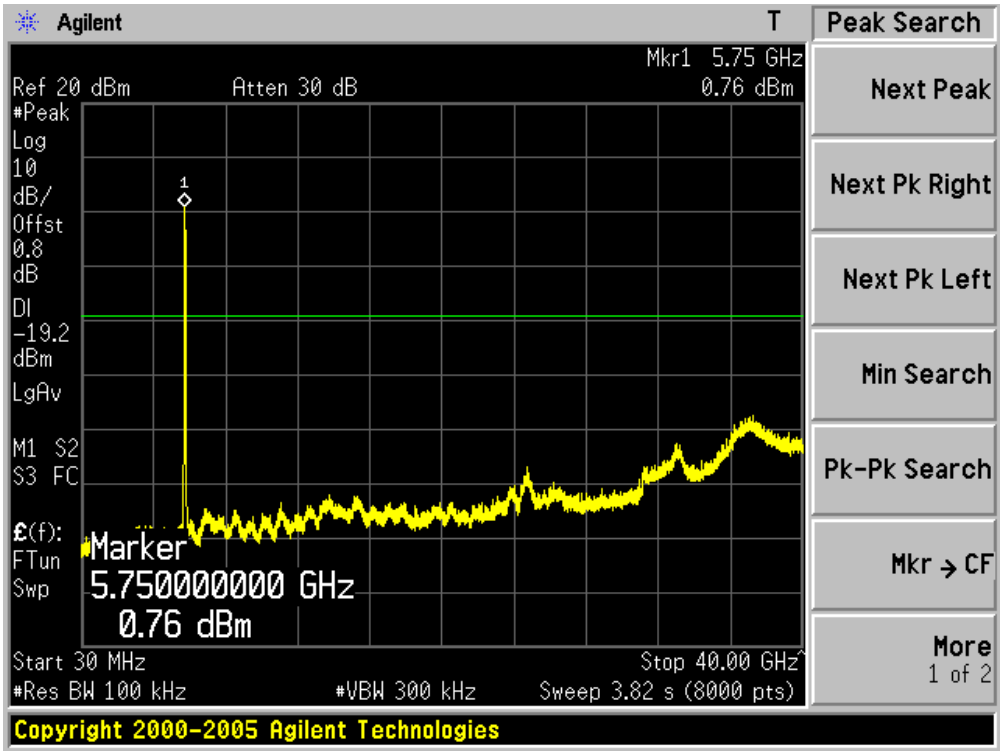
Channel 06 (2437MHz)



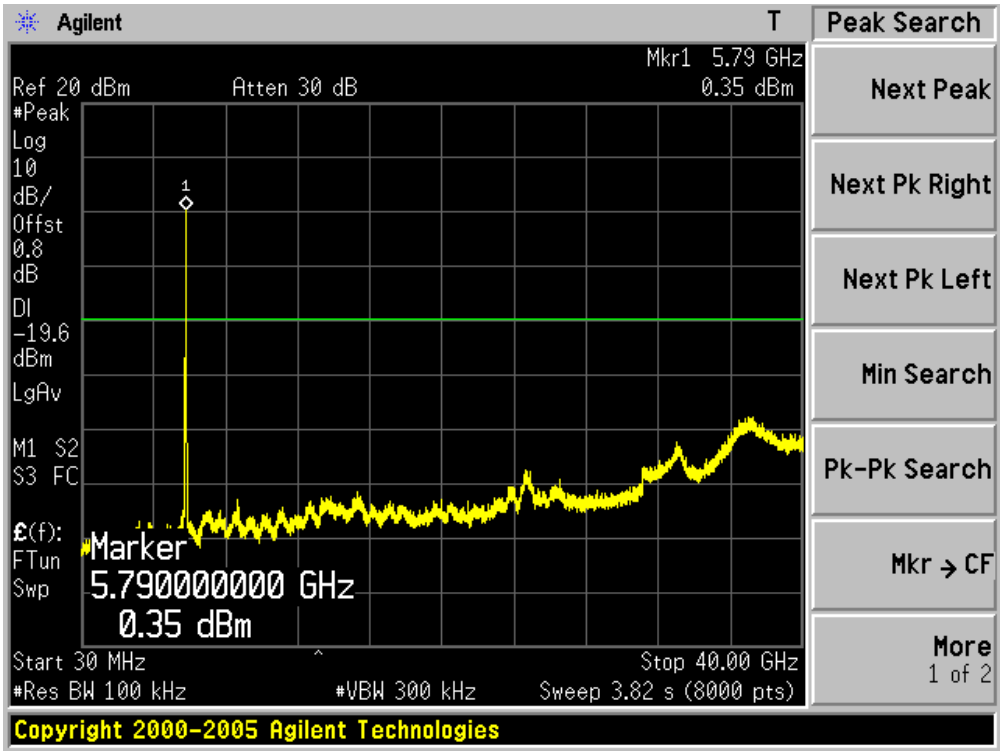
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



6. Radiated Emission Band Edge

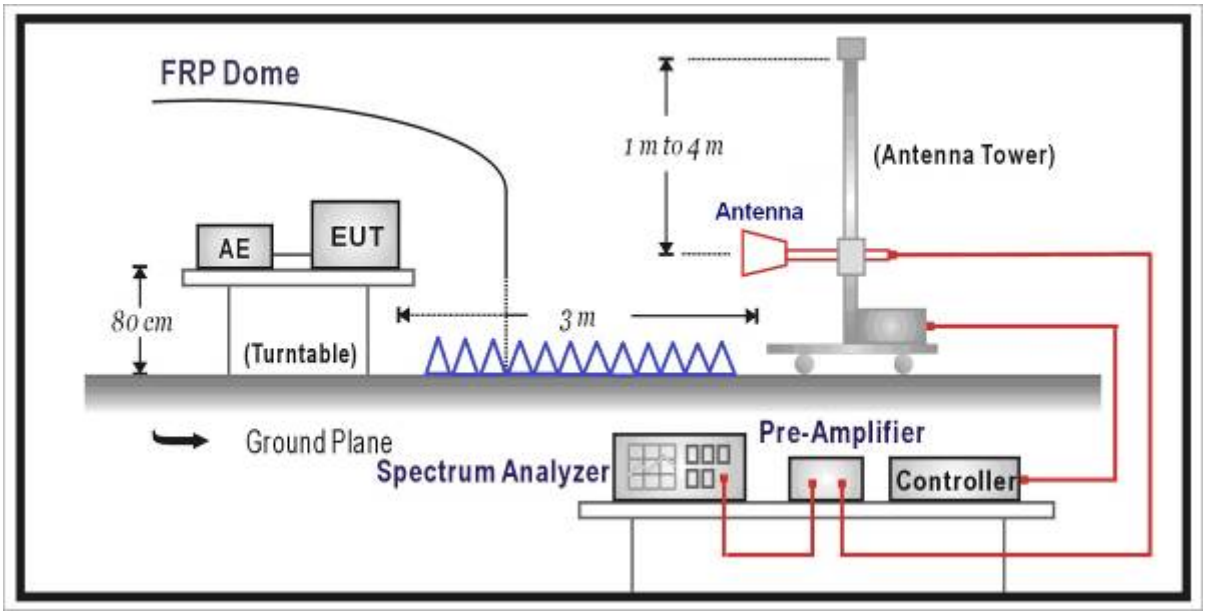
6.1. Test Equipment

☒Radiated Emission Band Edge / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2013.04.18
EMI Test Receiver	R&S	ESCI	100573	2013.04.18
Preamplifier	Miteq	NSP1800-25	1364185	2013.05.04
Preamplifier	QuieTek	AP-040G	CHM-0906001	2013.05.04
Bilog Type Antenna	Schaffner	CBL6112B	2932	2012.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2014.06.08
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2013.03.02
Temperature/Humidity Meter	zhicheng	ZC1-2	AC5-TH	2013.01.10

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

6.2. Test Setup



6.3. Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.4. Test Procedure

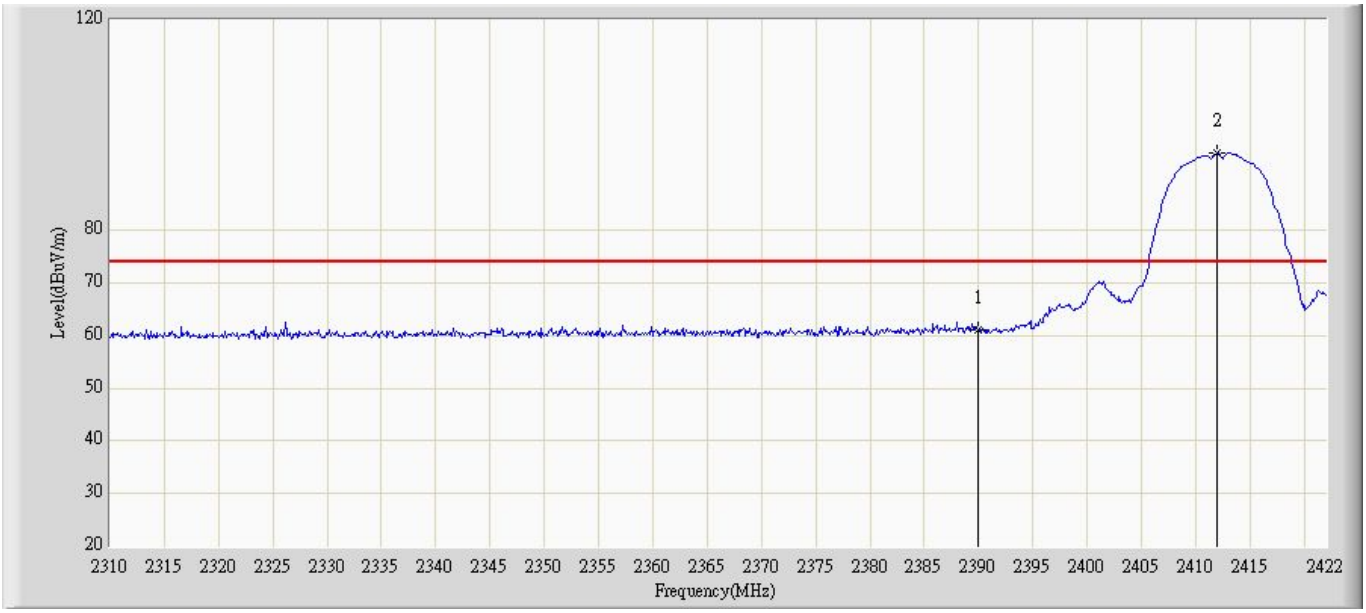
The EUT was setup according to ANSI C63.4: 2009 and tested according to ANSI C63.10: 2009 and KDB 558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2009 on radiated measurement.

6.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB

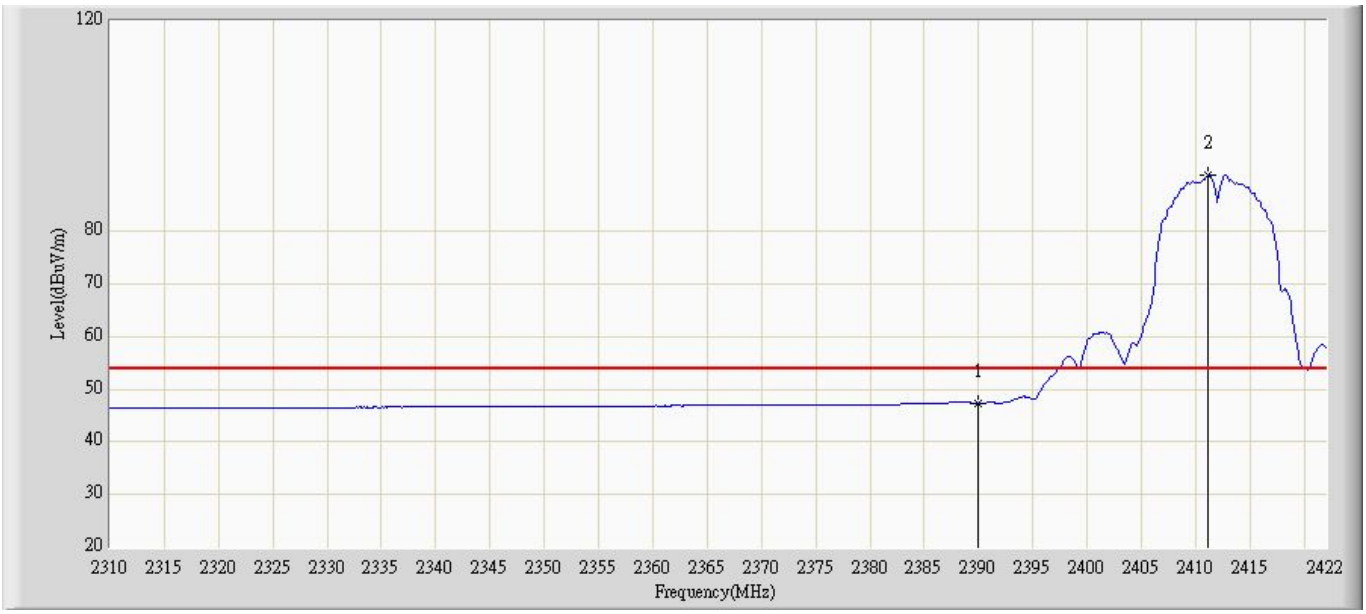
6.6. Test Result

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 19:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 0	



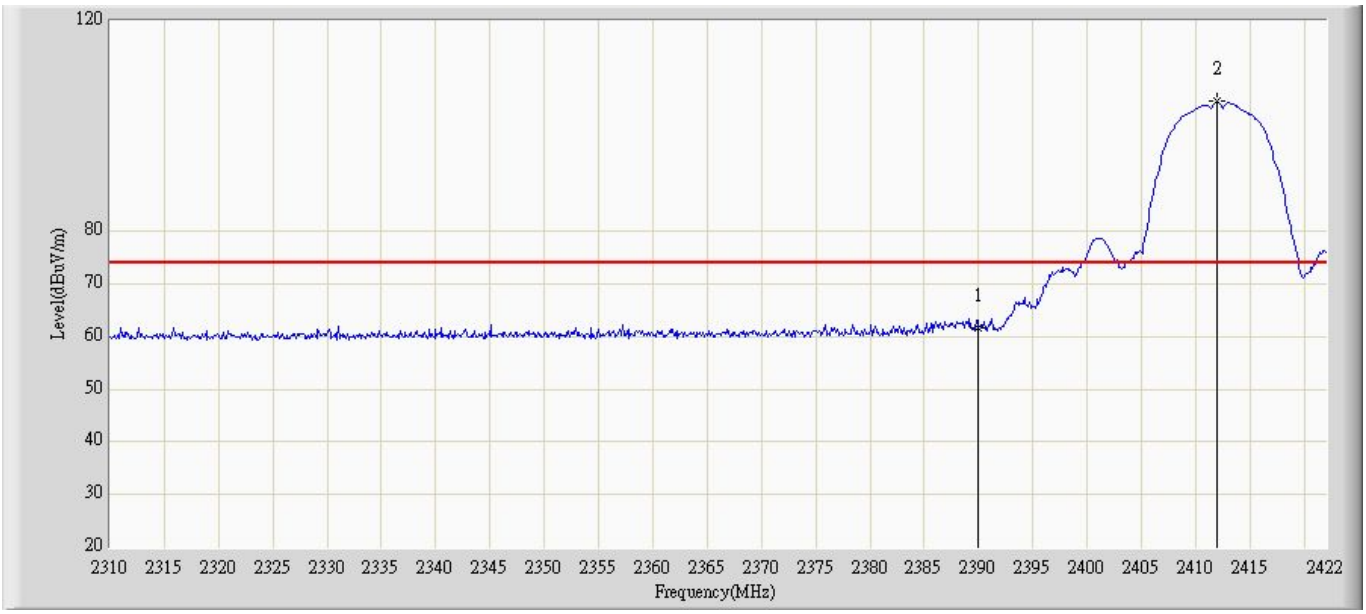
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.062	30.712	-12.938	74.000	30.350	PK
2		*	2412.032	94.717	64.314	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 0	



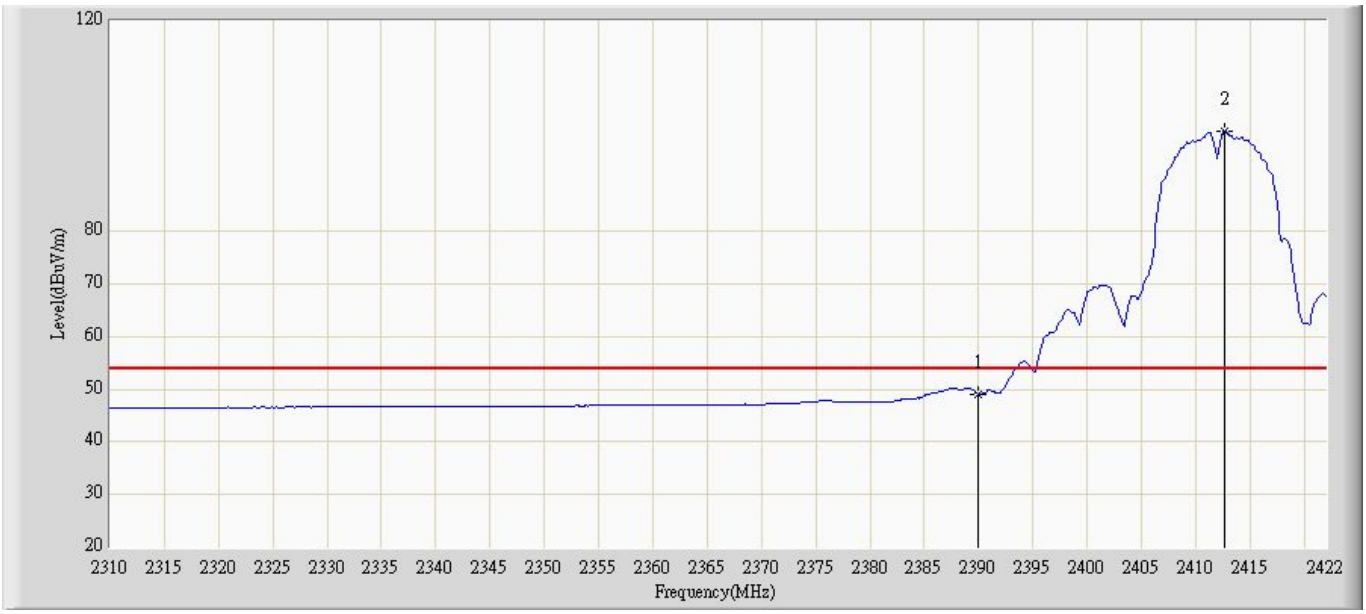
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.365	17.015	-6.635	54.000	30.350	AV
2		*	2411.136	90.687	60.287	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 0	



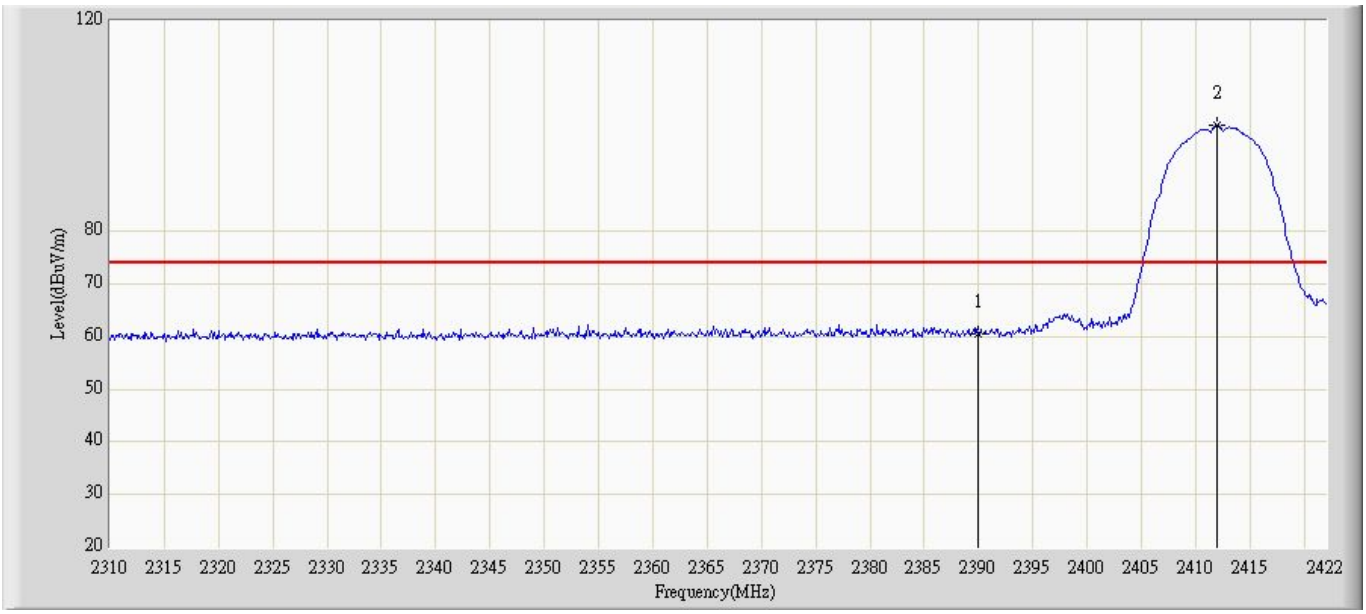
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.609	31.259	-12.391	74.000	30.350	PK
2		*	2412.032	104.640	74.237	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 0	



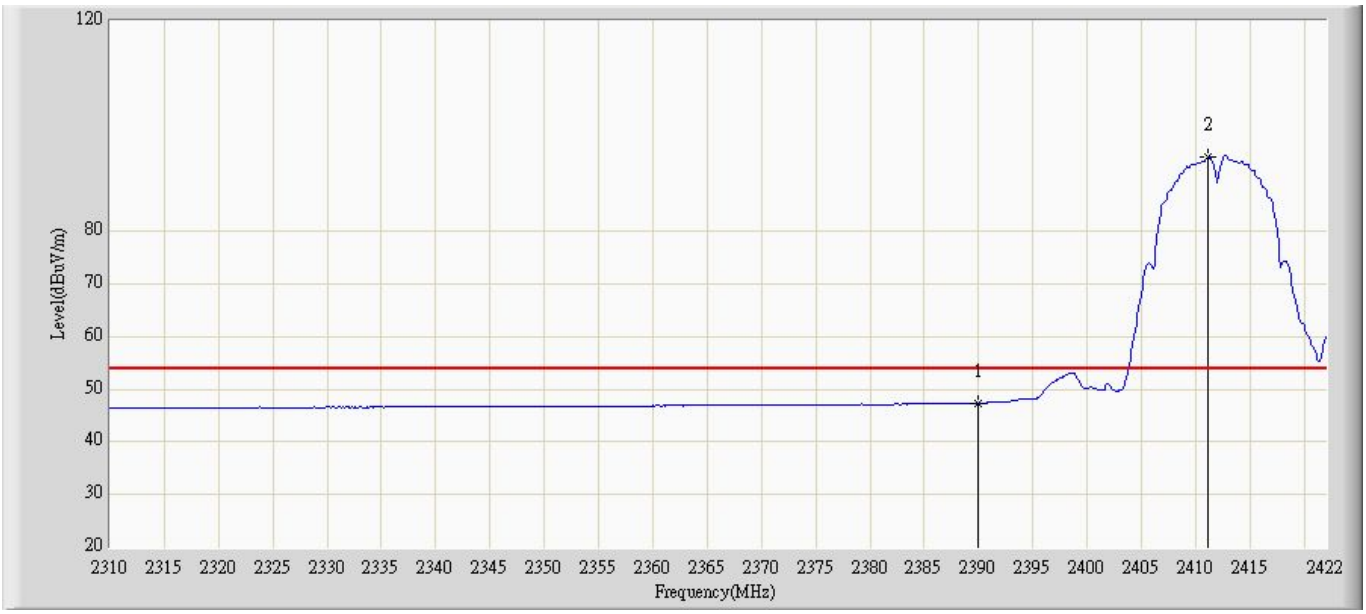
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.044	18.694	-4.956	54.000	30.350	AV
2		*	2412.704	99.056	68.651	N/A	N/A	30.405	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 1	



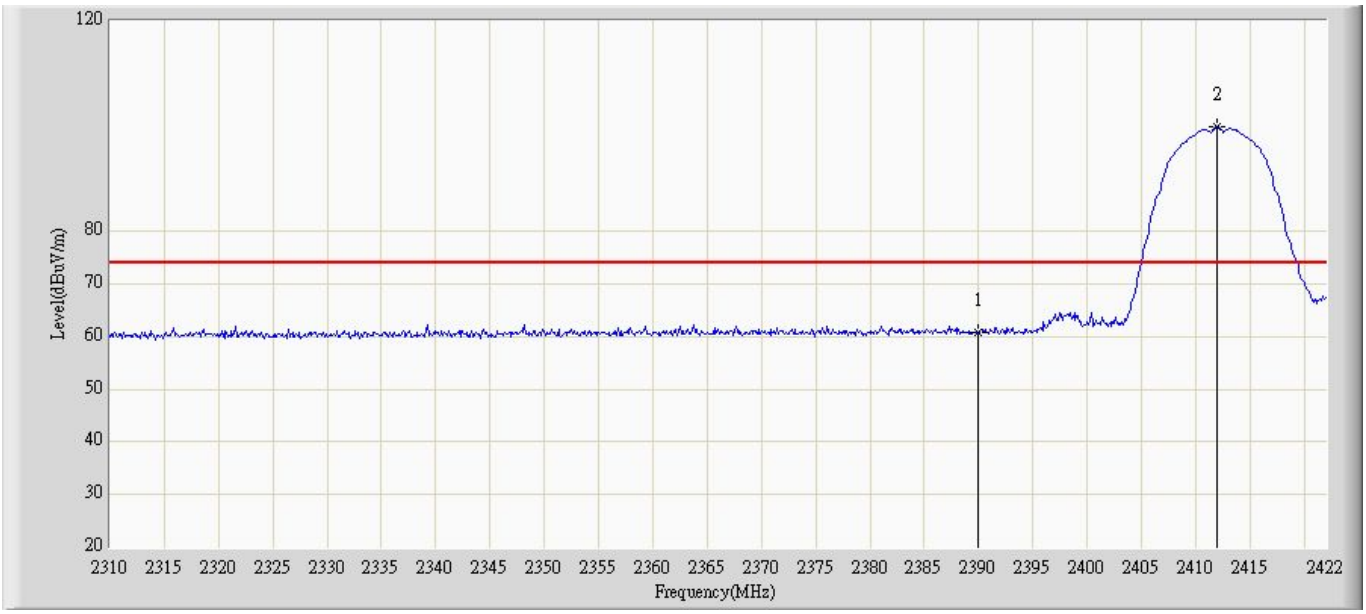
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	60.434	30.084	-13.566	74.000	30.350	PK
2		*	2411.920	100.166	69.764	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 1	



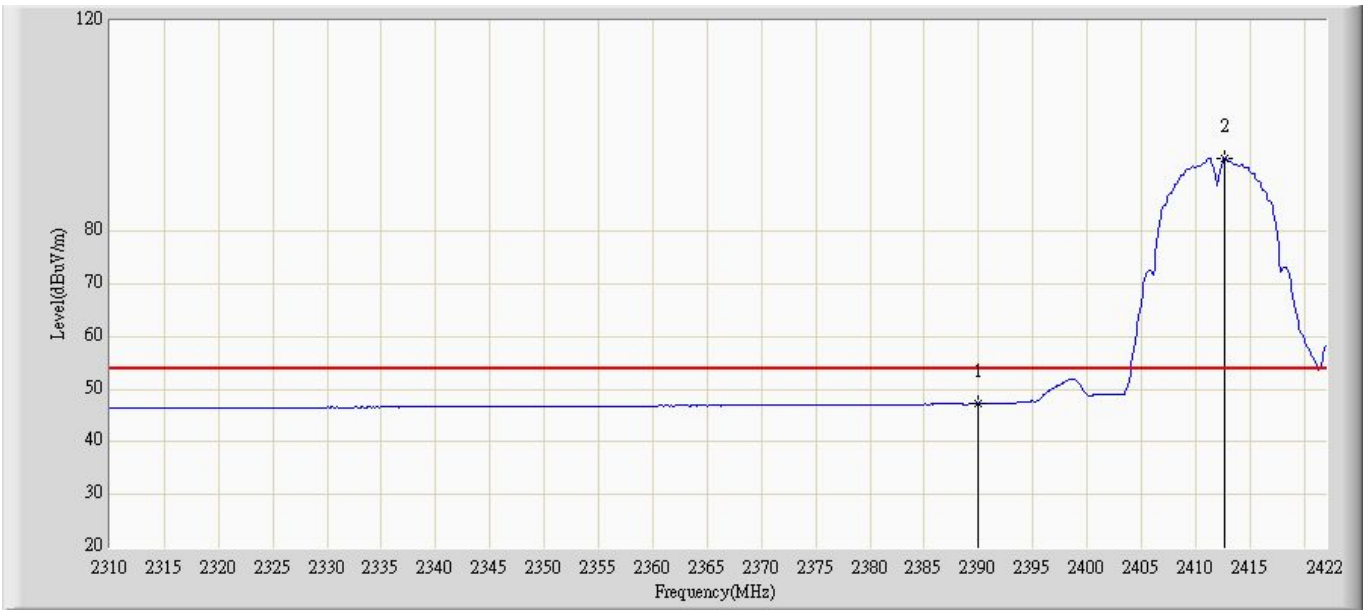
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.388	17.038	-6.612	54.000	30.350	AV
2		*	2411.136	94.178	63.778	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 1	



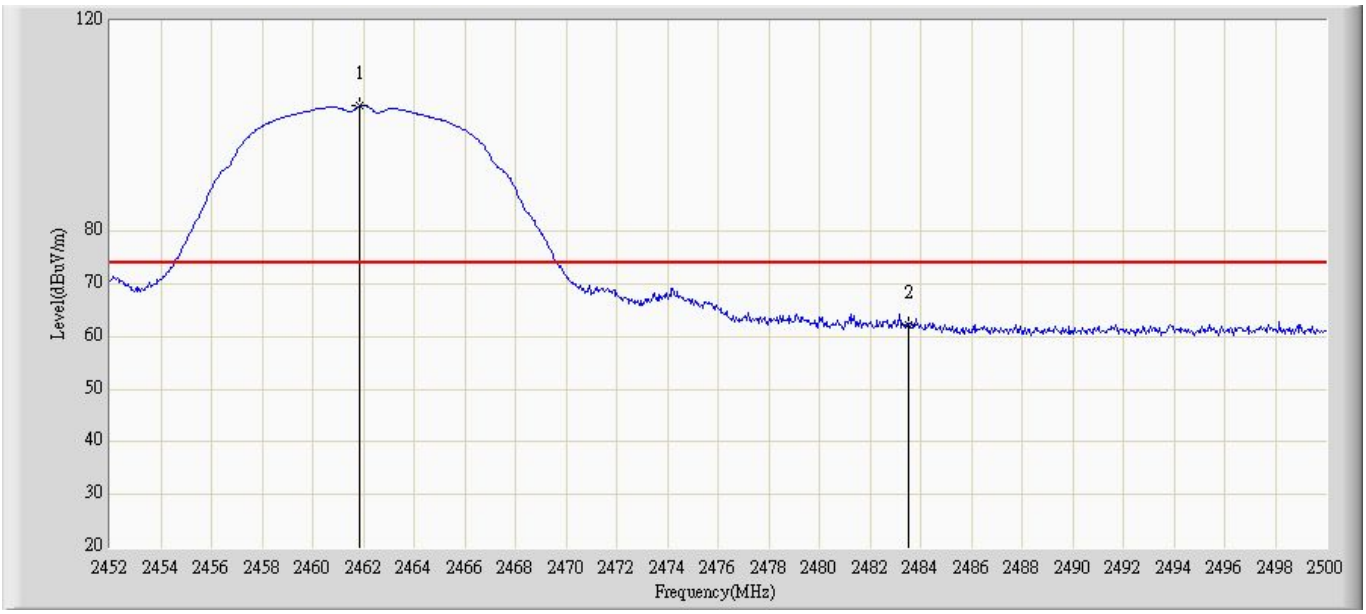
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	60.694	30.344	-13.306	74.000	30.350	PK
2		*	2411.920	99.948	69.546	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11b ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.269	16.919	-6.731	54.000	30.350	AV
2		*	2412.704	93.860	63.455	N/A	N/A	30.405	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 0	

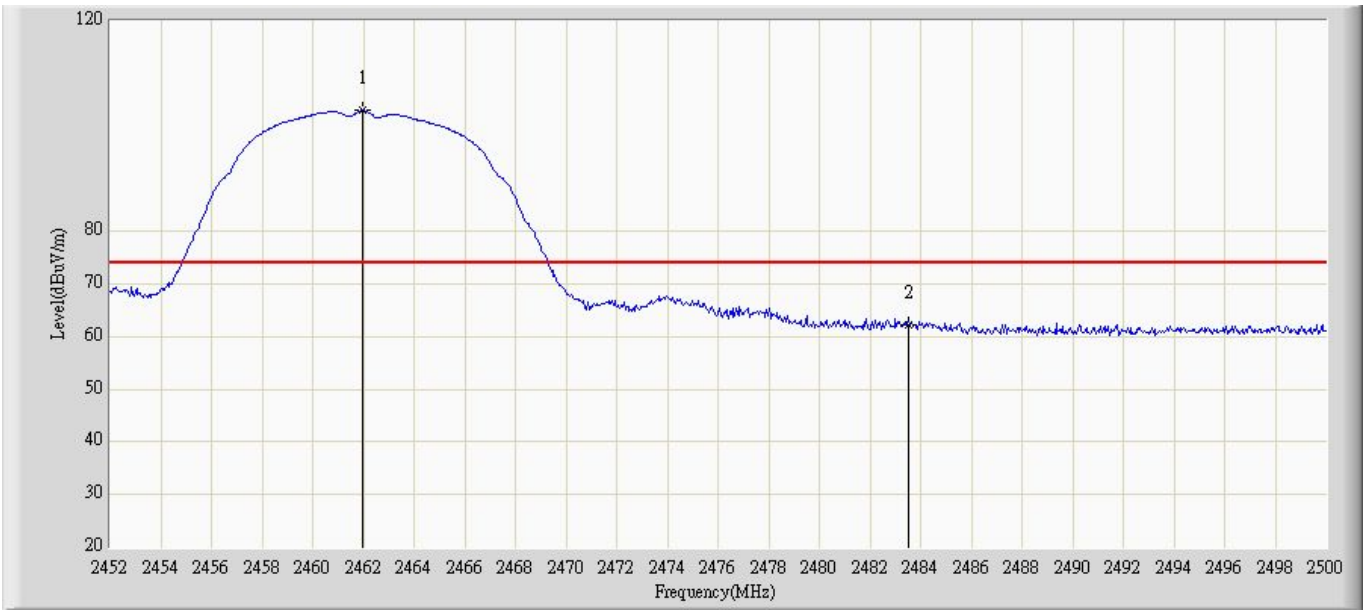


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.840	103.769	73.234	N/A	N/A	30.535	PK
2			2483.500	62.294	31.702	-11.706	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.312	97.913	67.380	N/A	N/A	30.533	AV
2			2483.500	49.032	18.440	-4.968	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 0	

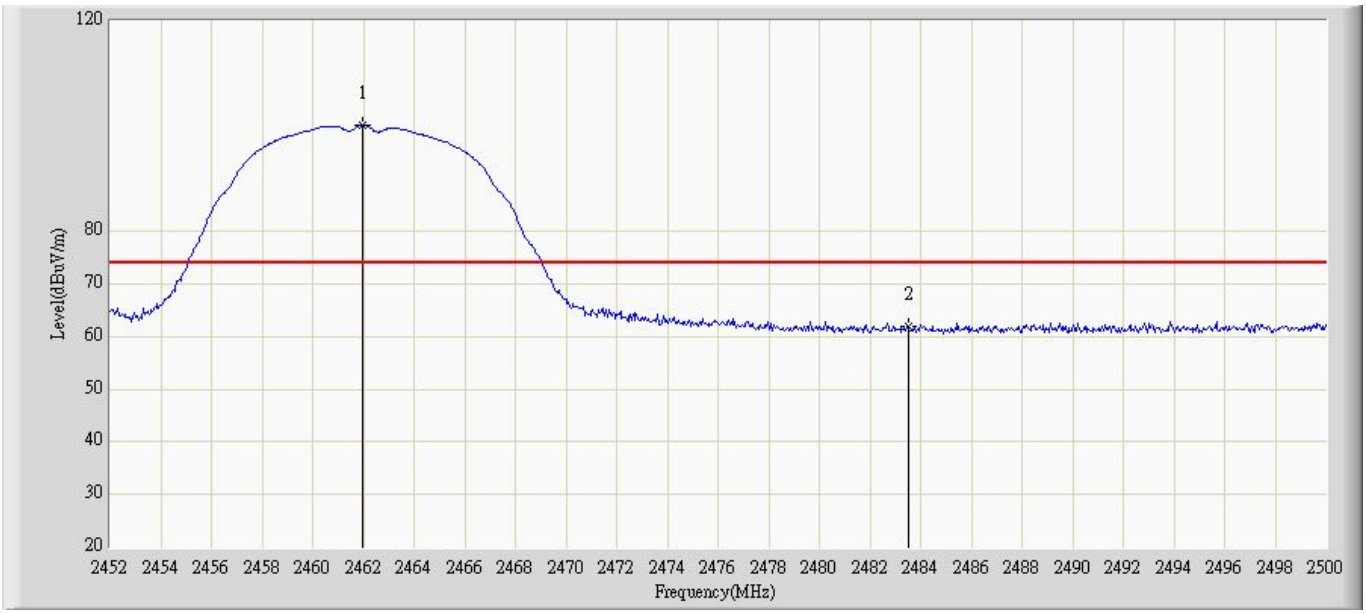


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.984	102.923	72.388	N/A	N/A	30.535	PK
2			2483.500	62.242	31.650	-11.758	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.216	94.398	63.865	N/A	N/A	30.533	AV
2			2483.500	48.637	18.045	-5.363	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 1	

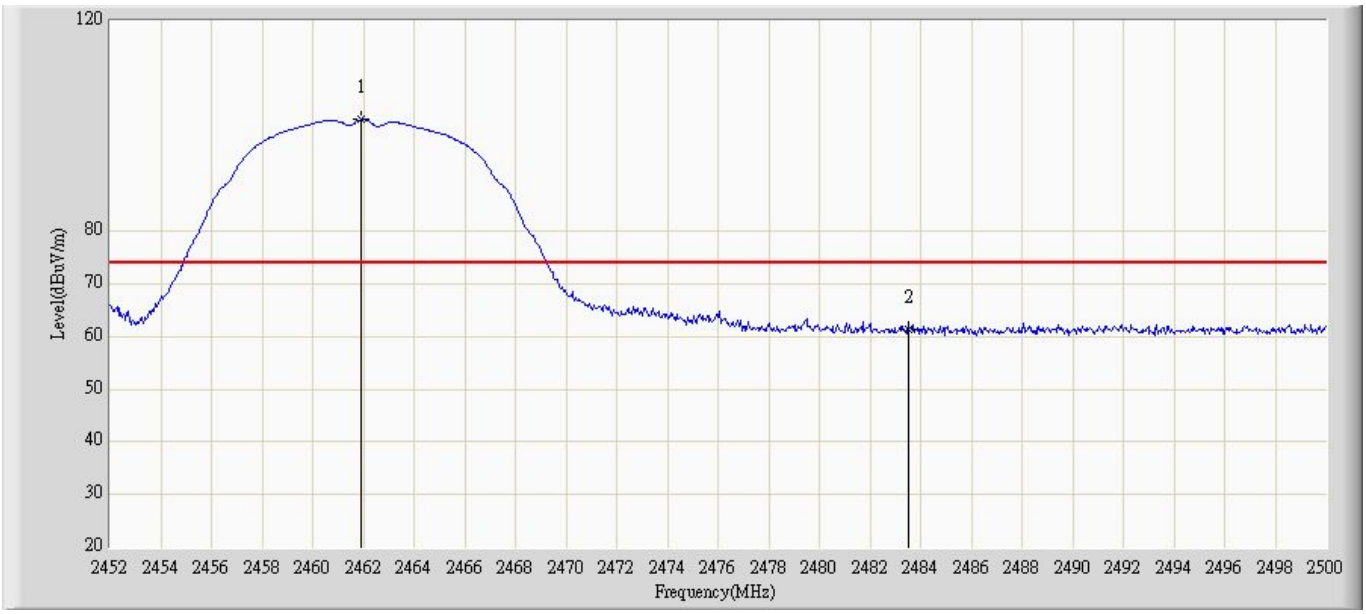


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.984	100.154	69.619	N/A	N/A	30.535	PK
2			2483.500	61.905	31.313	-12.095	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 1	

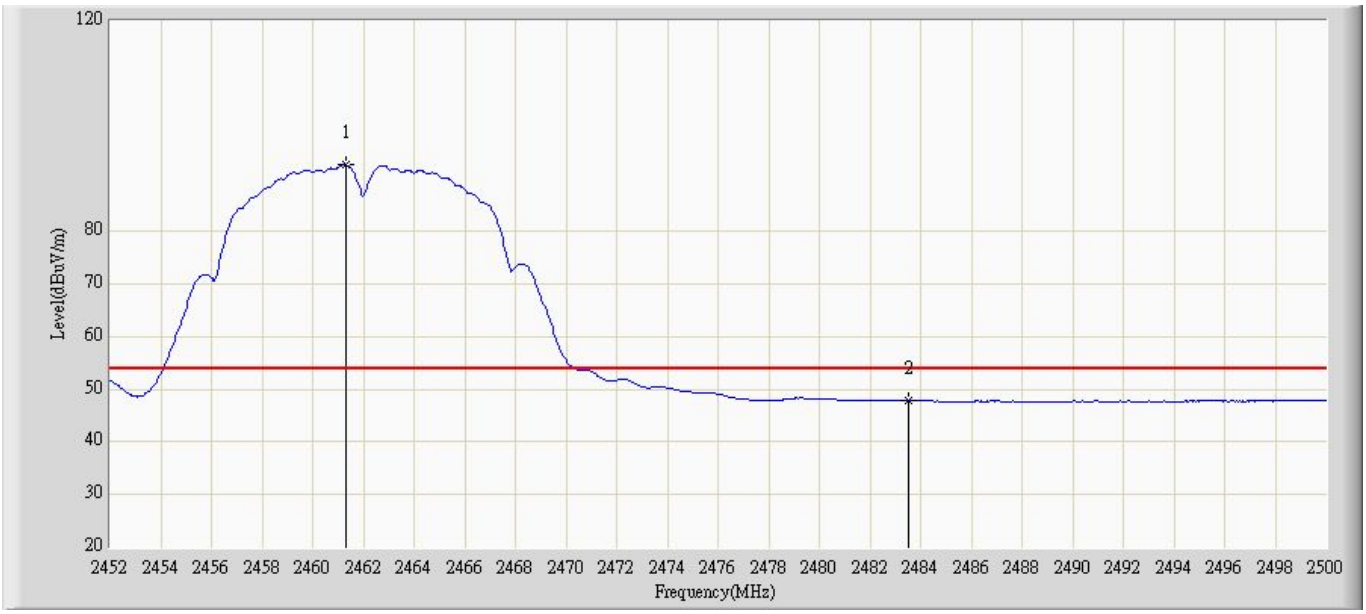
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.312	87.381	56.848	N/A	N/A	30.533	AV
2			2483.500	47.571	16.979	-6.429	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 1	



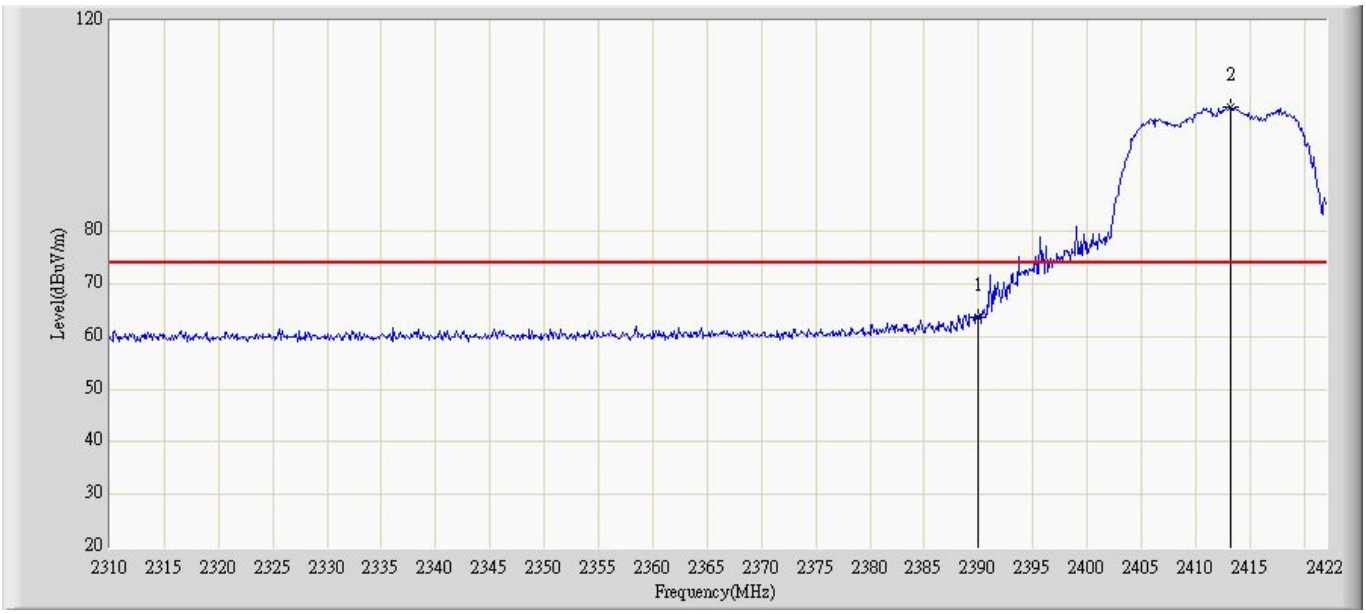
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.936	101.226	70.691	N/A	N/A	30.535	PK
2			2483.500	61.288	30.696	-12.712	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11b ant 1	



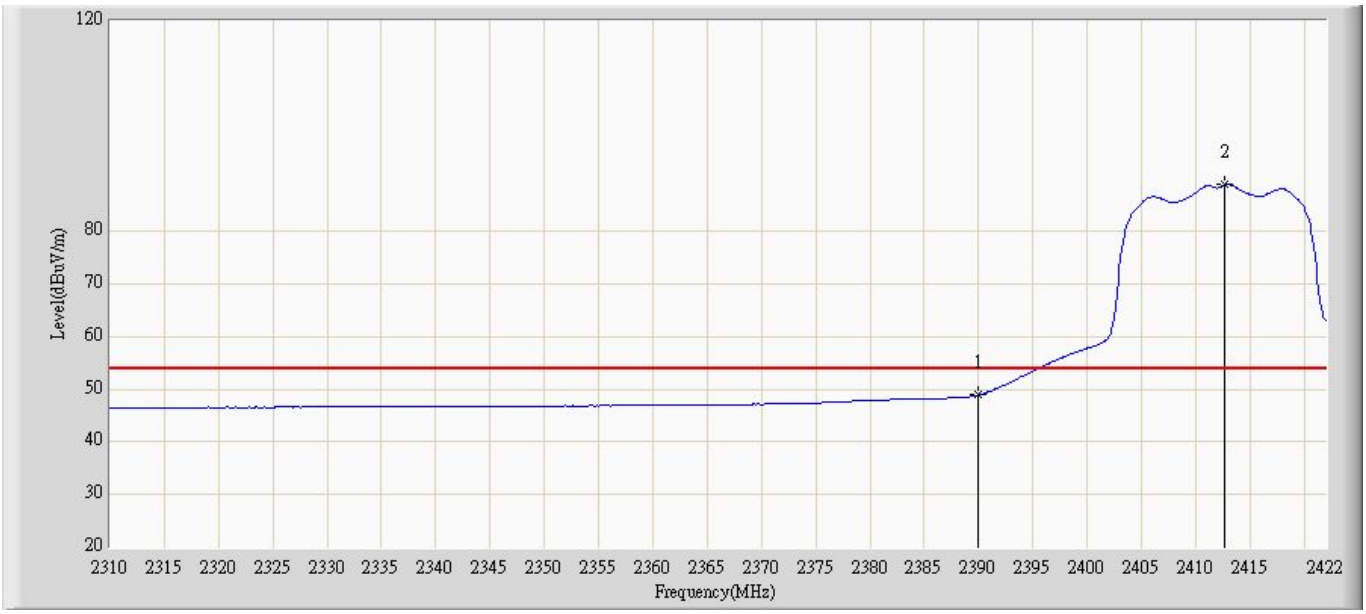
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.312	92.613	62.080	N/A	N/A	30.533	AV
2			2483.500	47.827	17.235	-6.173	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 0	



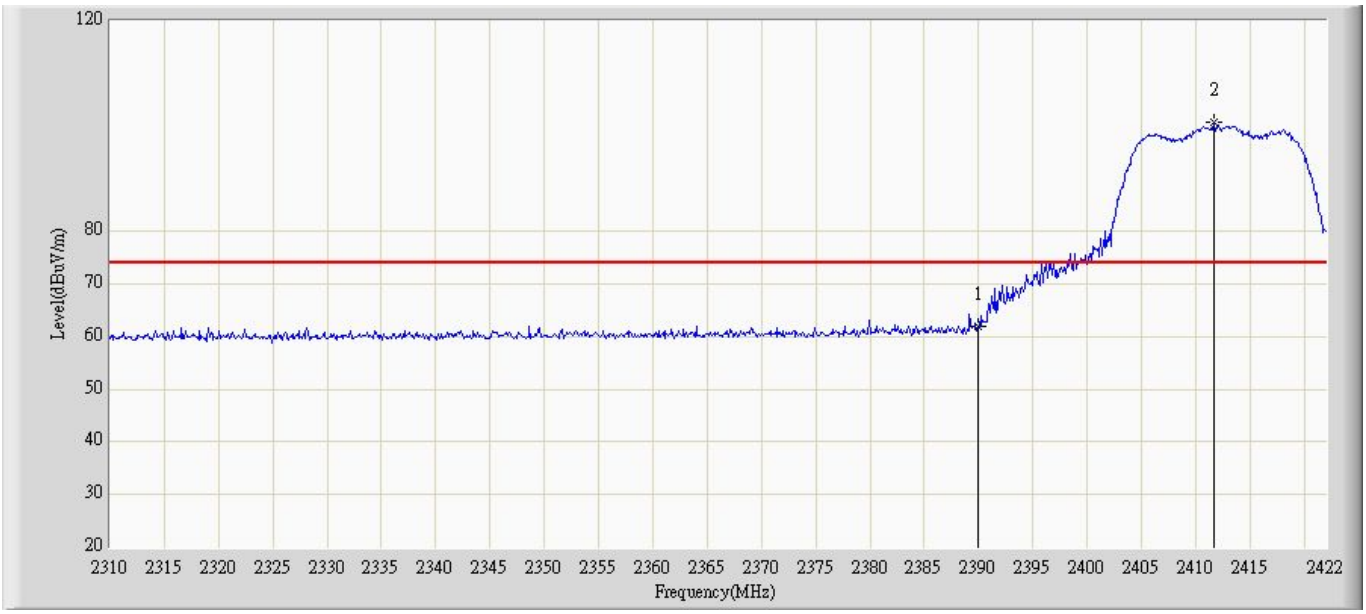
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	63.776	33.426	-10.224	74.000	30.350	PK
2		*	2413.264	103.580	73.174	N/A	N/A	30.406	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 0	



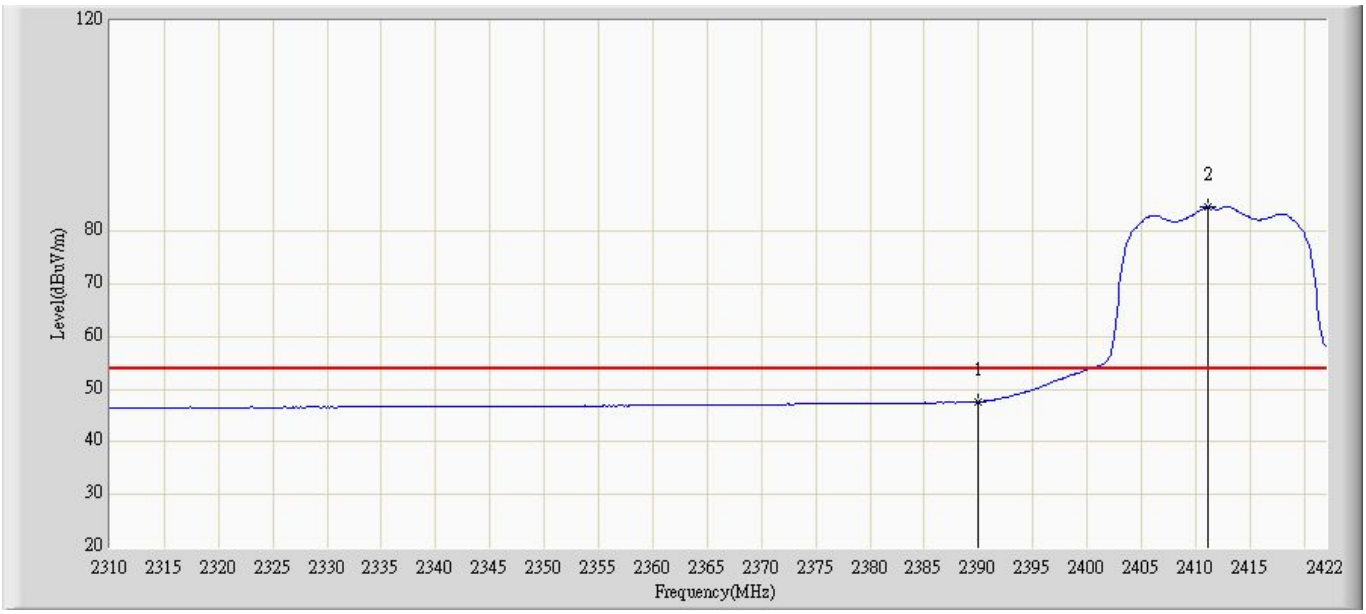
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.898	18.548	-5.102	54.000	30.350	AV
2		*	2412.704	88.890	58.485	N/A	N/A	30.405	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 0	



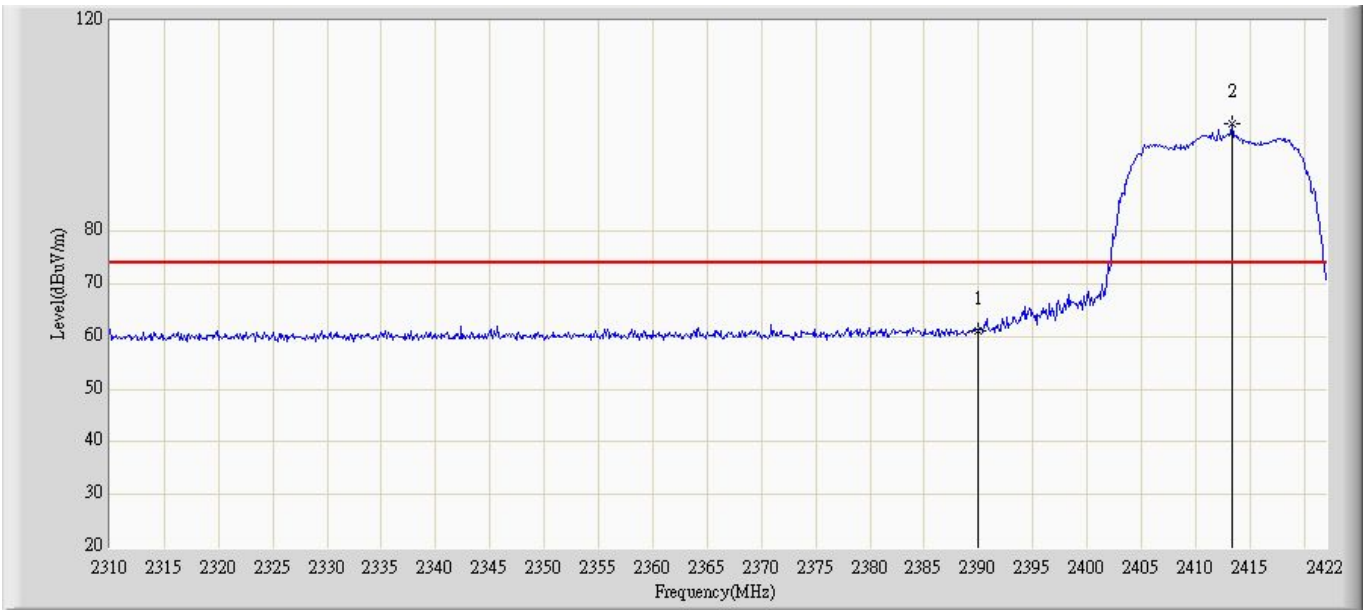
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.895	31.545	-12.105	74.000	30.350	PK
2		*	2411.696	100.849	70.447	N/A	N/A	30.402	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 0	



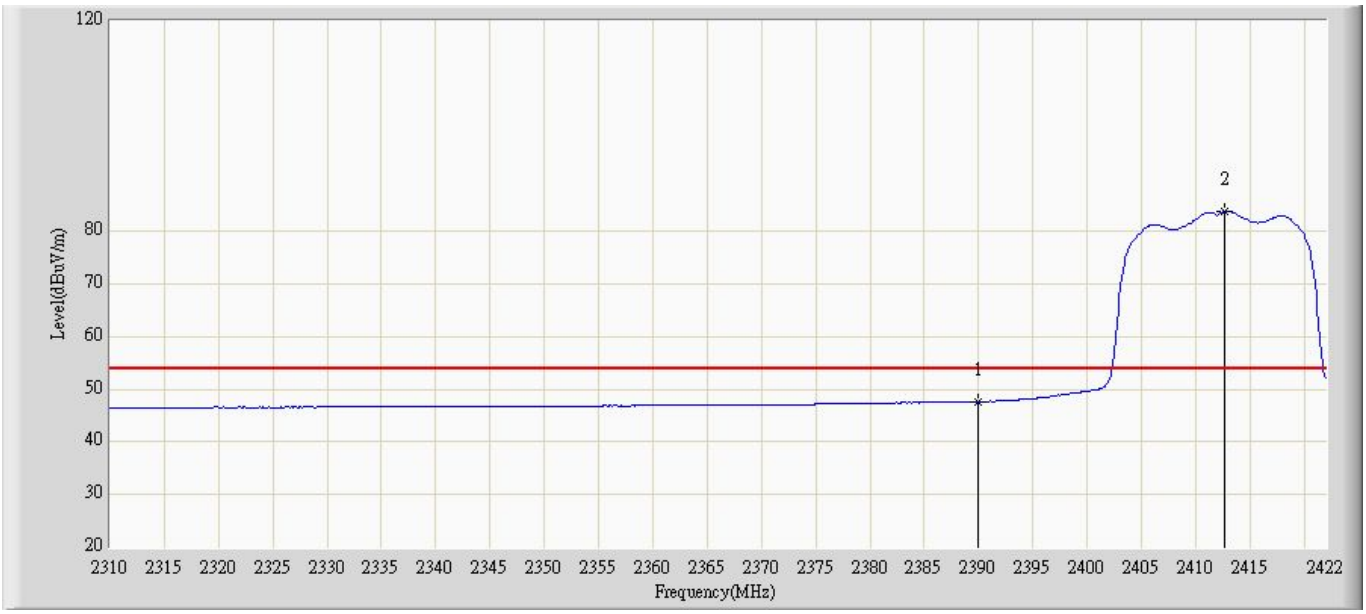
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.646	17.296	-6.354	54.000	30.350	AV
2		*	2411.136	84.640	54.240	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 1	



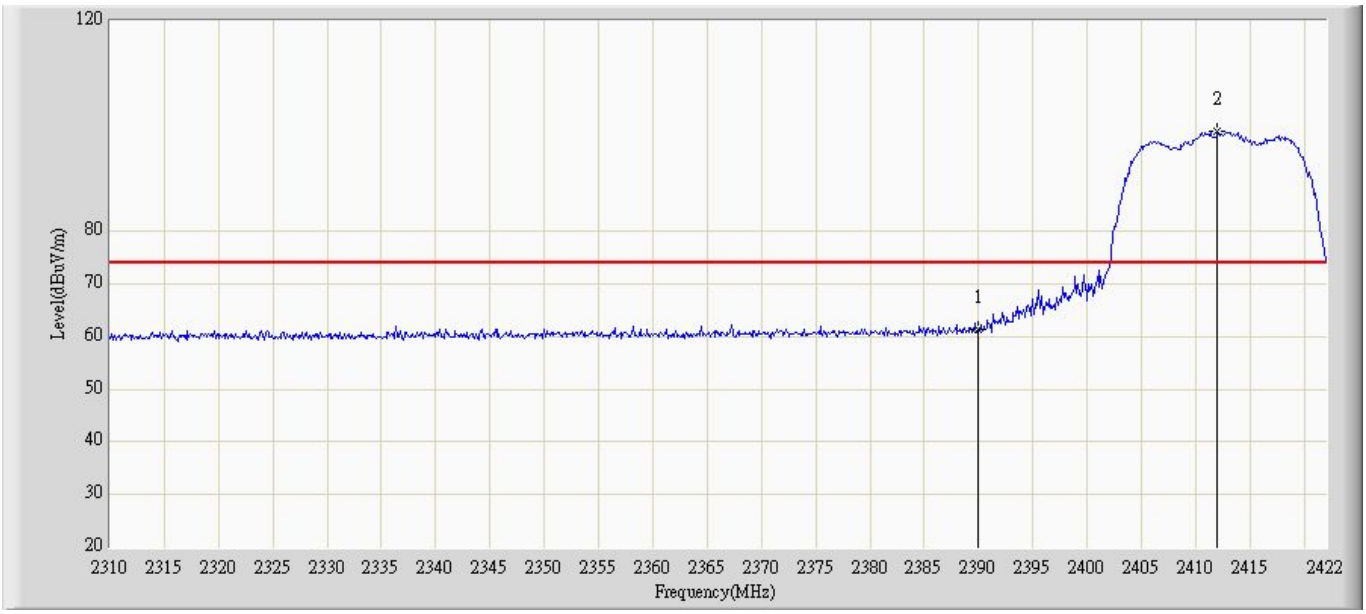
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.147	30.797	-12.853	74.000	30.350	PK
2		*	2413.376	100.341	69.935	N/A	N/A	30.406	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 1	



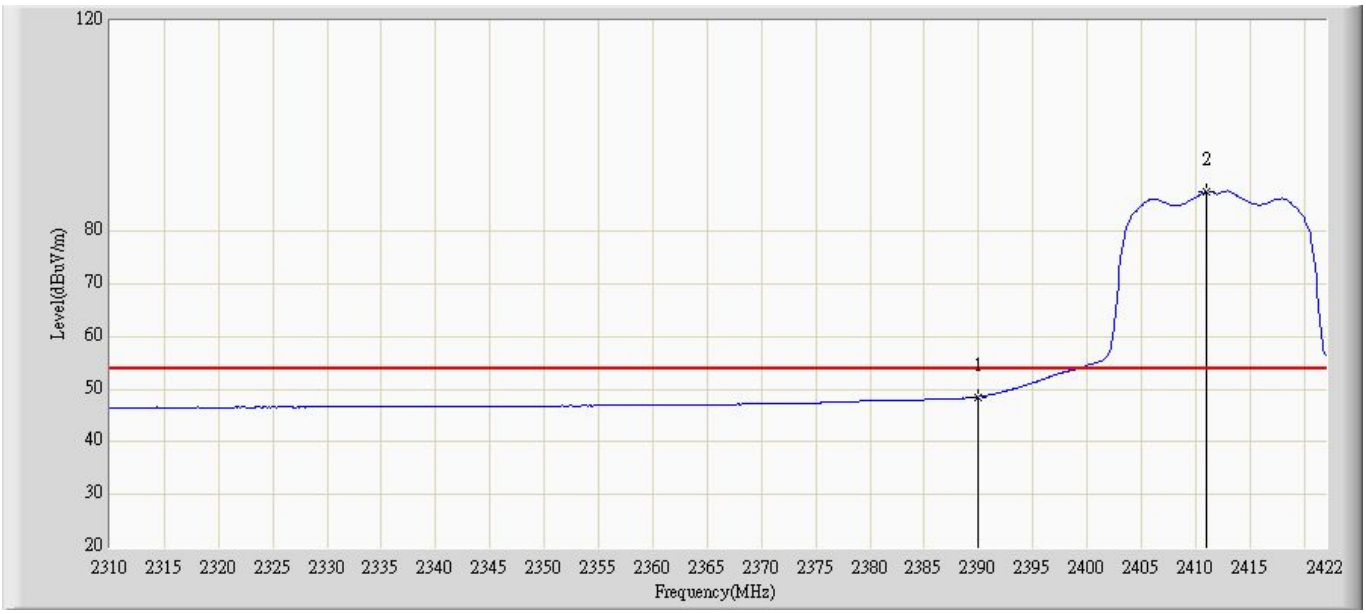
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.632	17.282	-6.368	54.000	30.350	AV
2		*	2412.704	83.906	53.501	N/A	N/A	30.405	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 1	



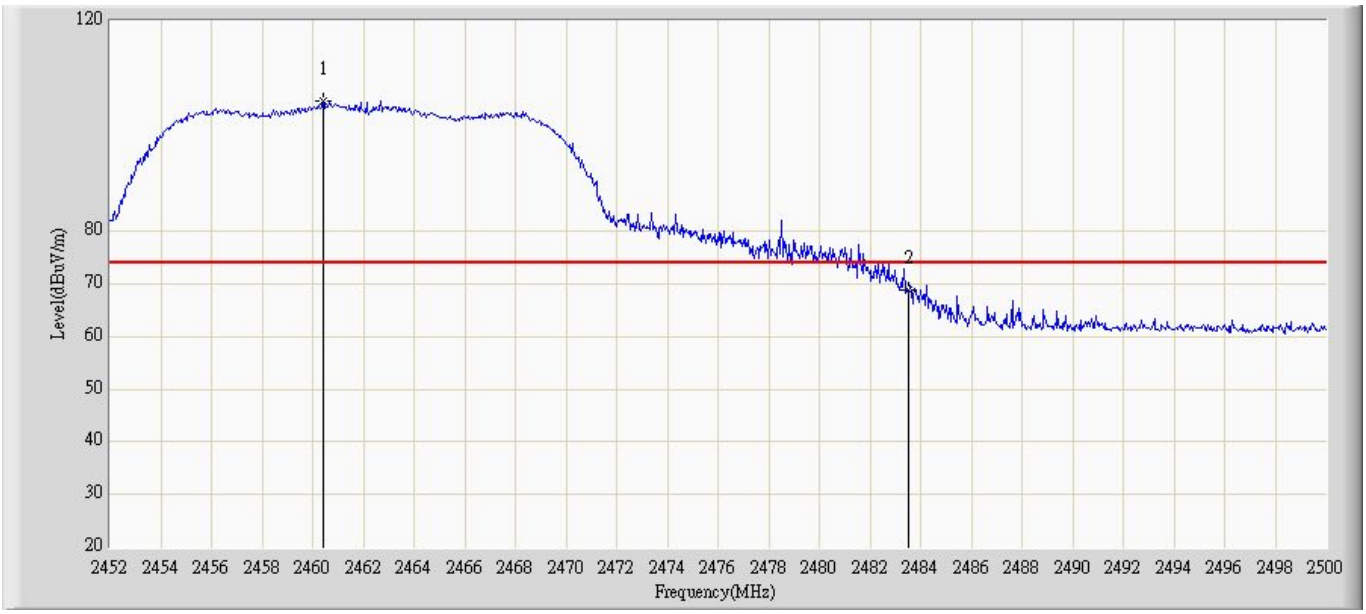
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.429	31.079	-12.571	74.000	30.350	PK
2		*	2412.032	99.130	68.727	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11g ant 1	



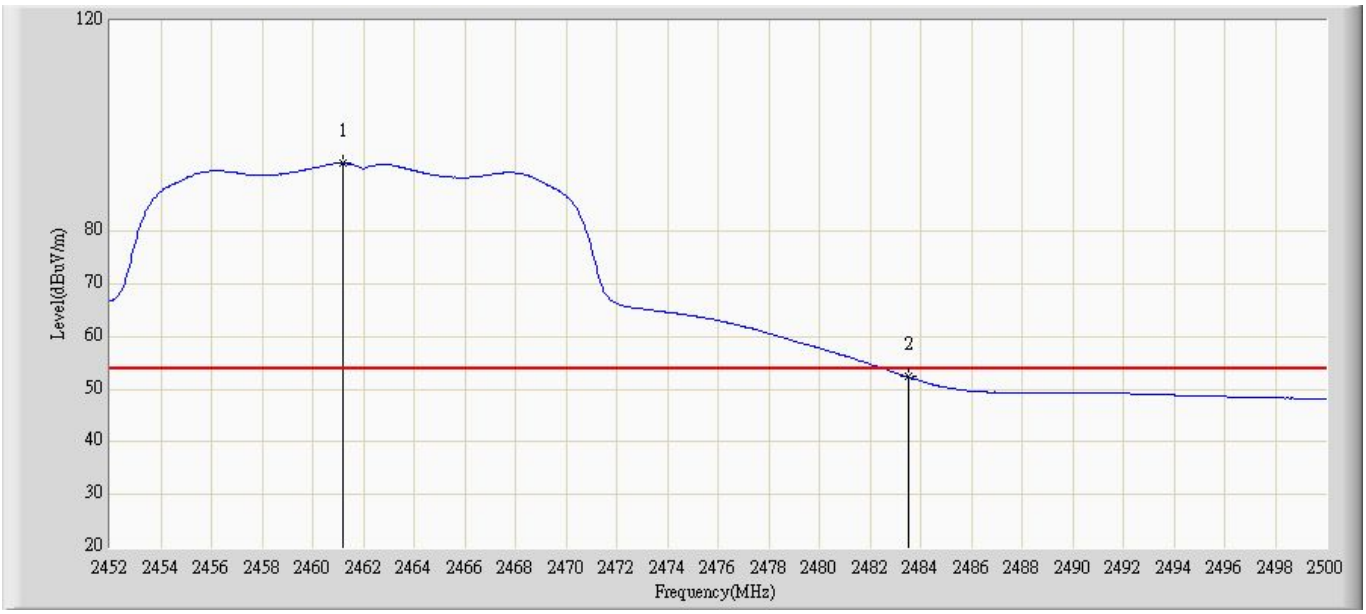
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.575	18.225	-5.425	54.000	30.350	AV
2		*	2411.024	87.631	57.231	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 0	



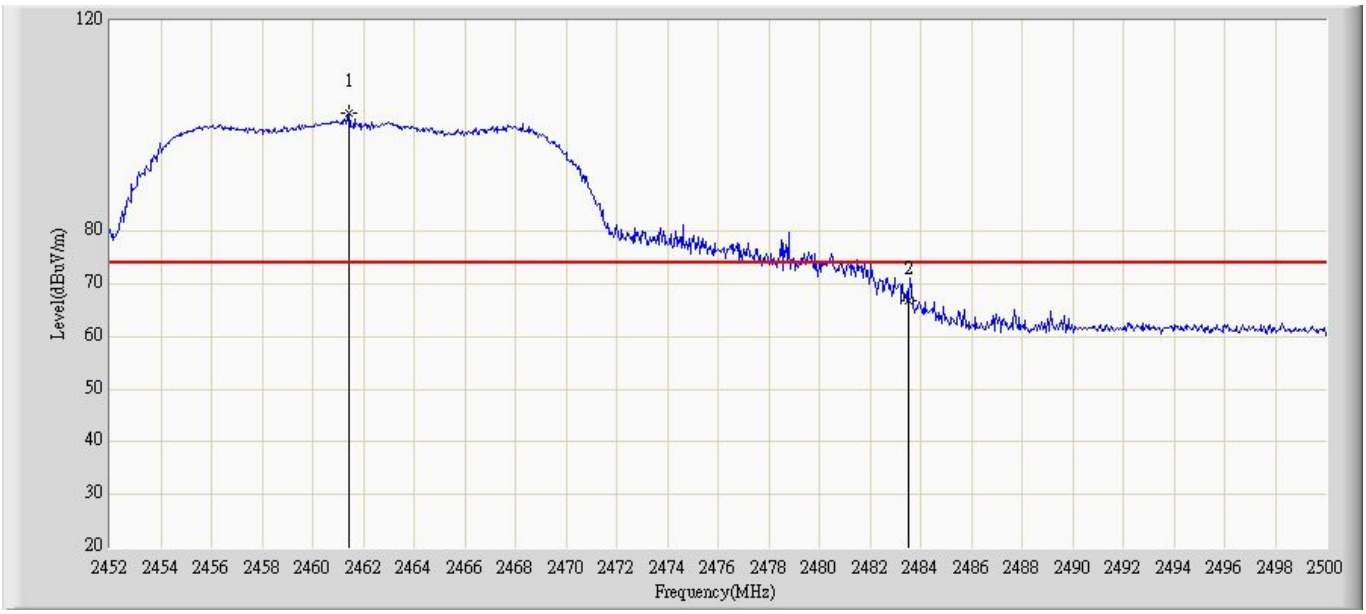
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.400	104.698	74.168	N/A	N/A	30.530	PK
2			2483.500	68.756	38.164	-5.244	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 0	



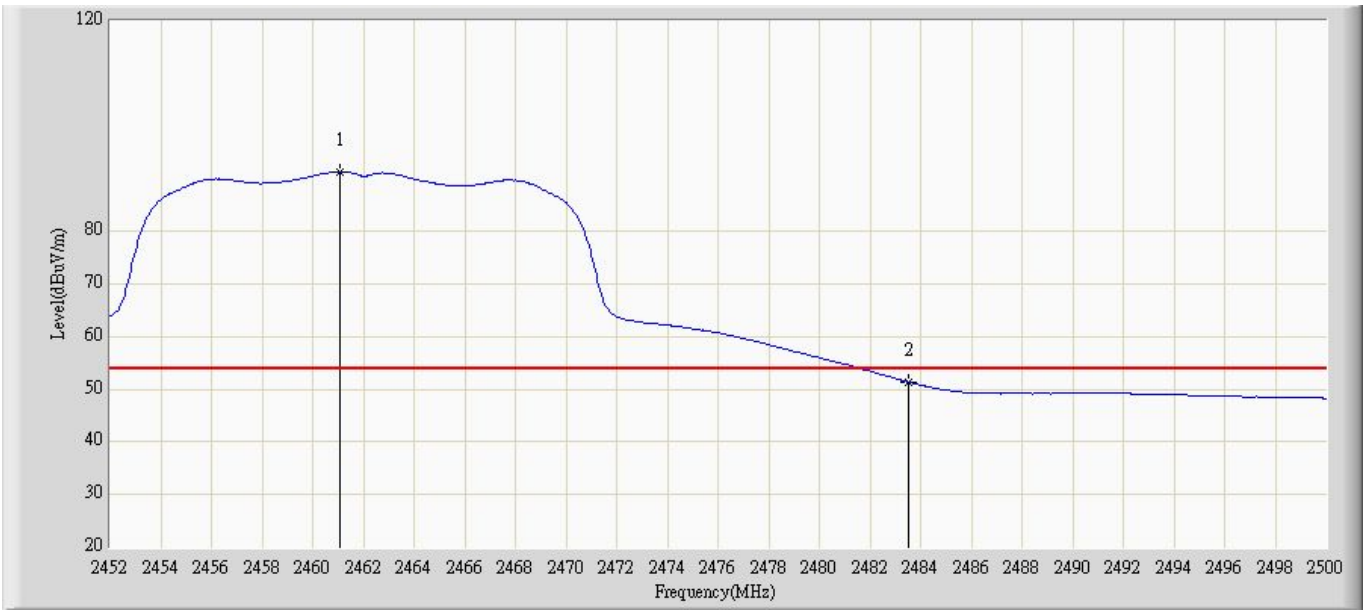
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.168	92.963	62.430	N/A	N/A	30.532	AV
2			2483.500	52.347	21.755	-1.653	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 0	



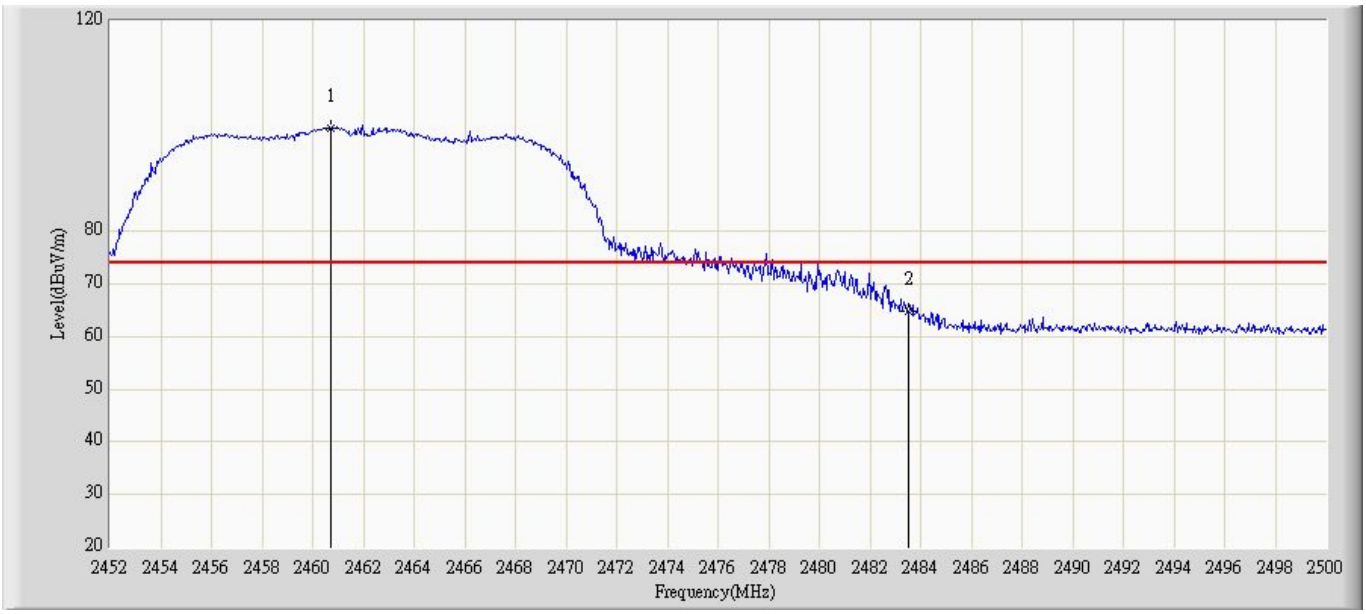
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.456	102.577	72.044	N/A	N/A	30.533	PK
2			2483.500	66.982	36.390	-7.018	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 0	



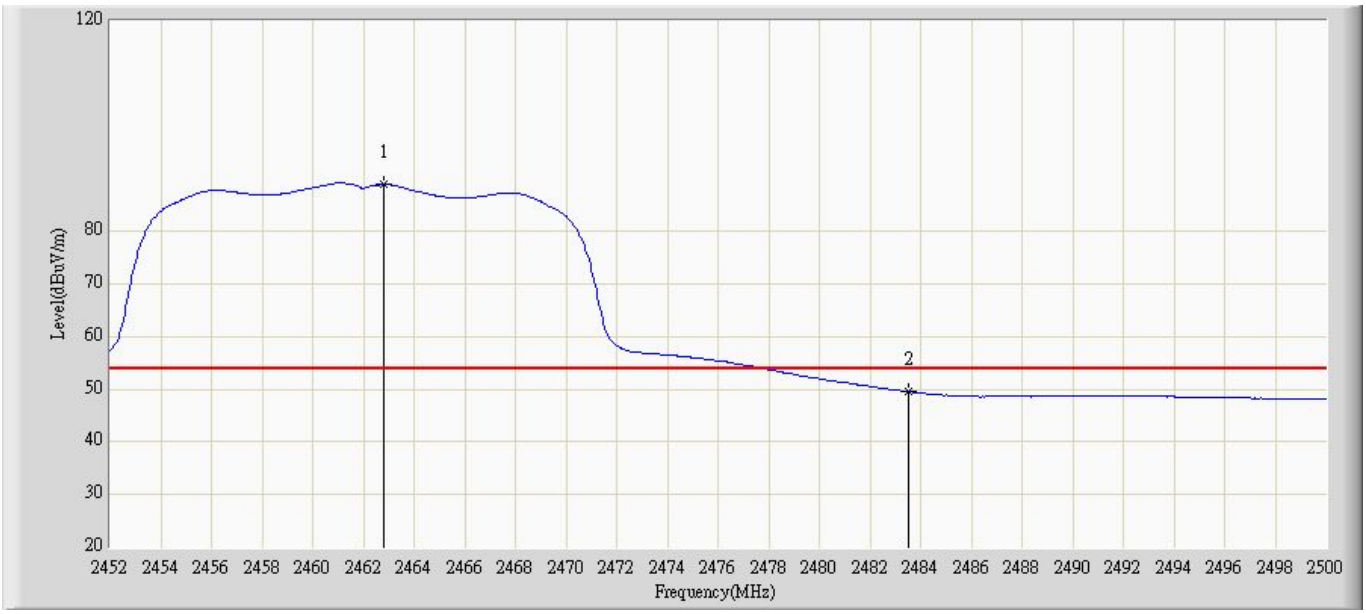
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.072	91.396	60.864	N/A	N/A	30.532	AV
2			2483.500	51.378	20.786	-2.622	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 1	



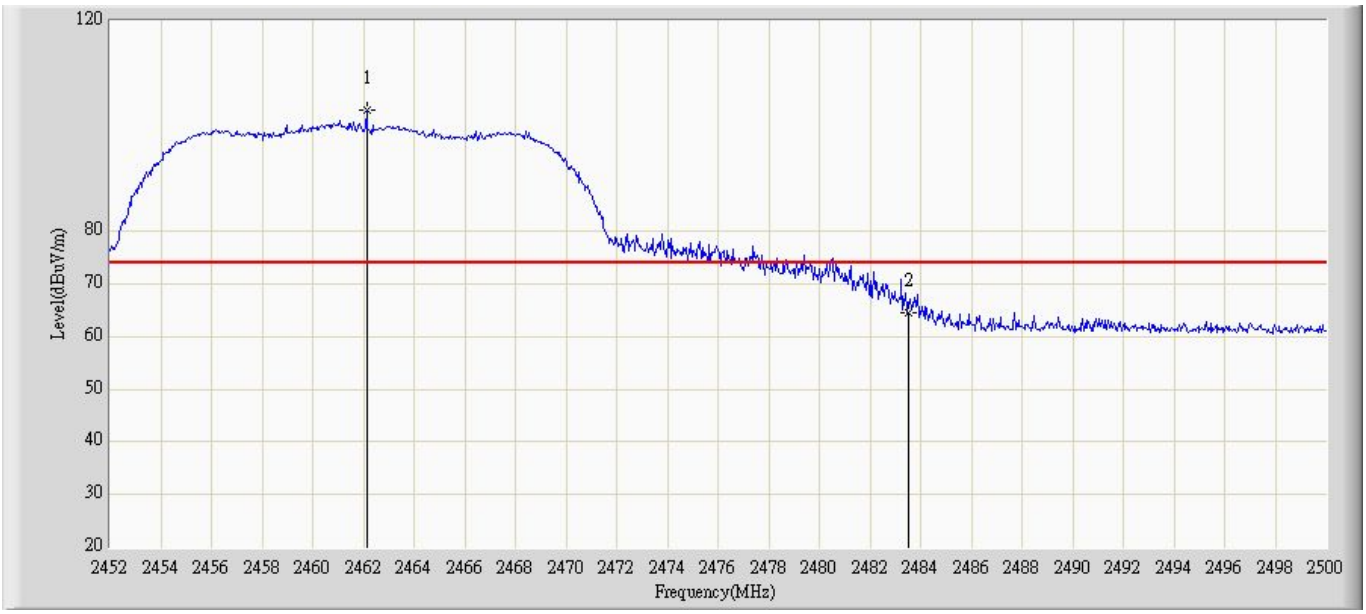
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.736	99.675	69.144	N/A	N/A	30.532	PK
2			2483.500	64.853	34.261	-9.147	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2462 MHz by 802.11g ant 1	



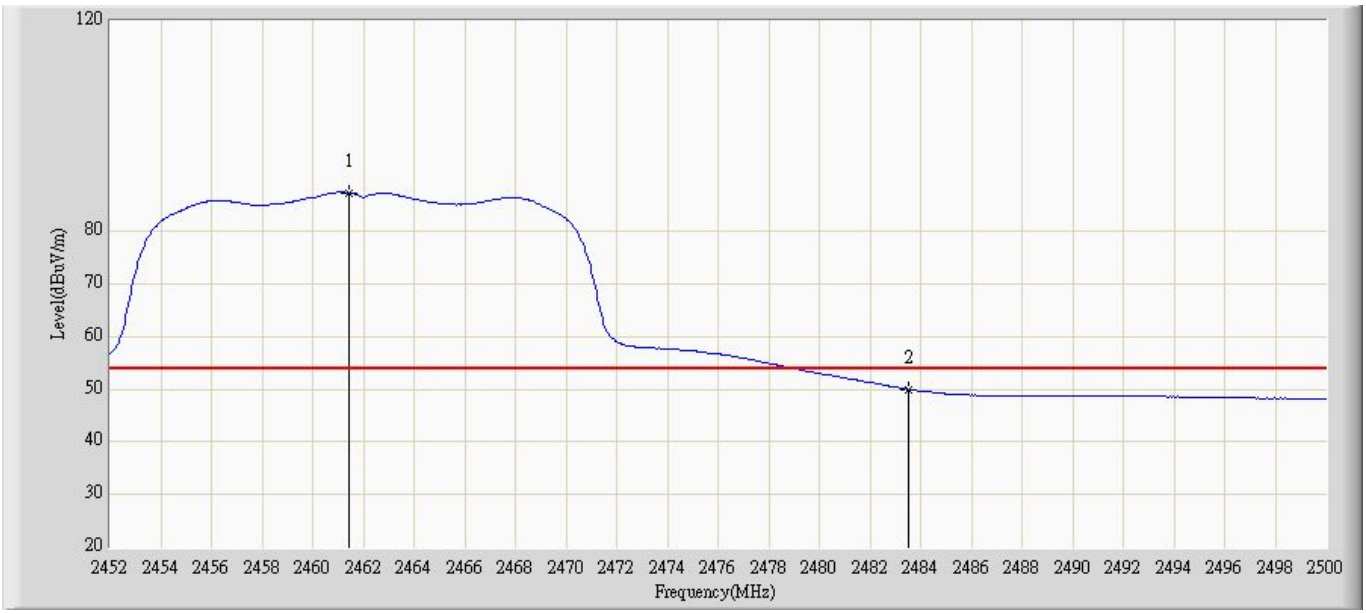
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.800	88.896	58.359	N/A	N/A	30.537	AV
2			2483.500	49.554	18.962	-4.446	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 1	



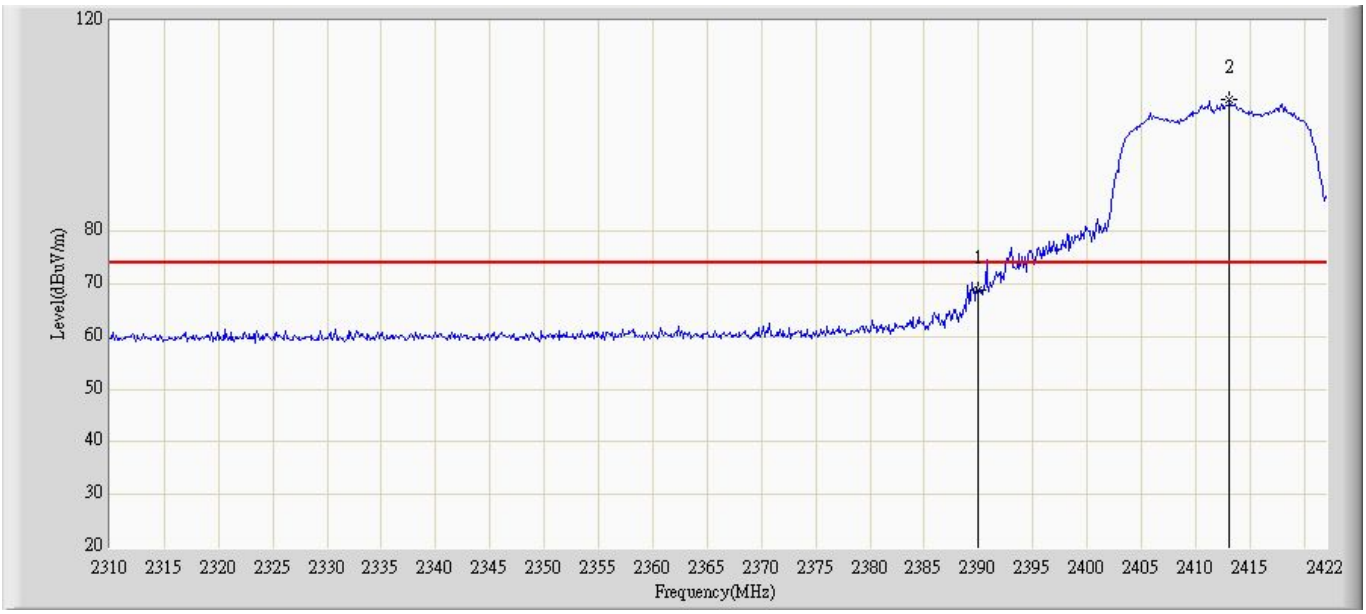
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.128	102.986	72.451	N/A	N/A	30.535	PK
2			2483.500	64.664	34.072	-9.336	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2462 MHz by 802.11g ant 1	



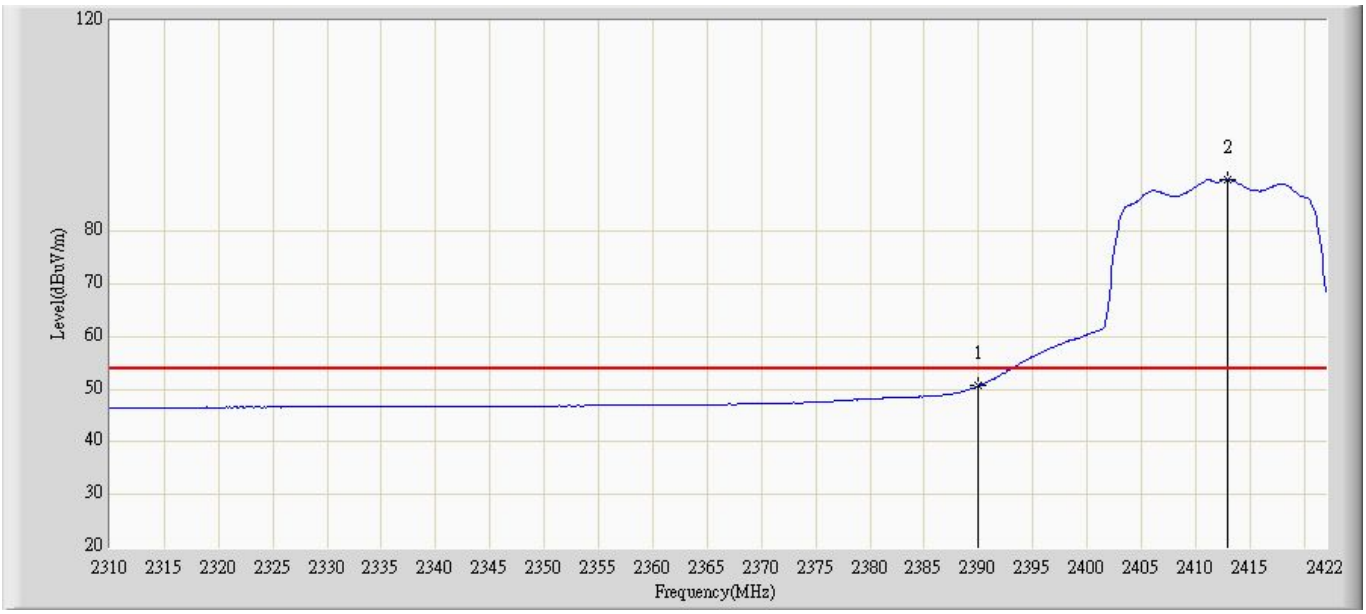
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.408	87.269	56.736	N/A	N/A	30.533	AV
2			2483.500	50.013	19.421	-3.987	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0	



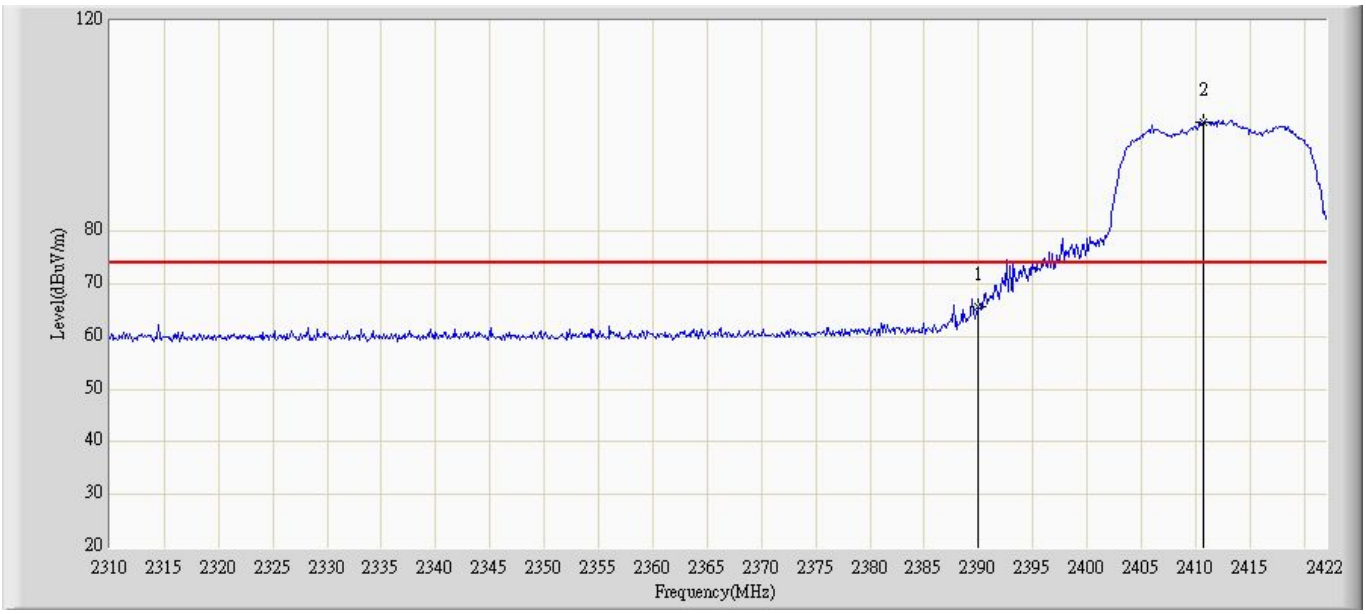
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	68.916	38.566	-5.084	74.000	30.350	PK
2		*	2413.152	105.139	74.733	N/A	N/A	30.406	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode2: Transmit at channel 2412 MHz by 802.11n20 ant 0	



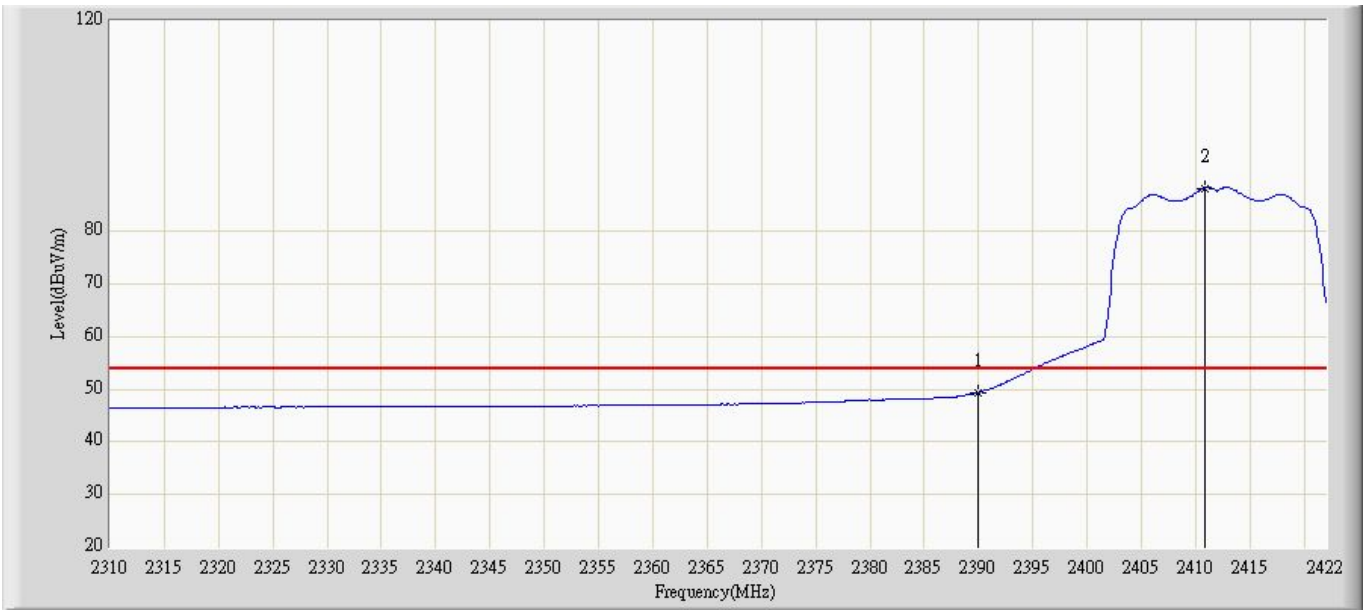
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.665	20.315	-3.335	54.000	30.350	AV
2		*	2412.928	89.949	59.544	N/A	N/A	30.405	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0	



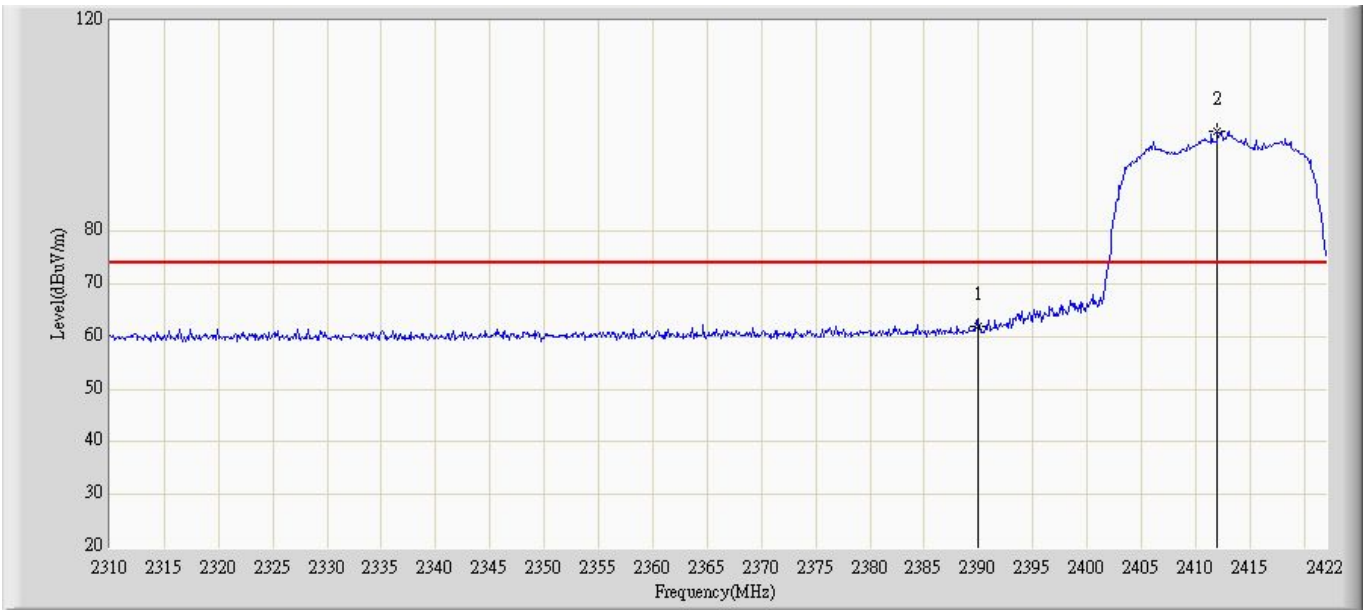
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	65.675	35.325	-8.325	74.000	30.350	PK
2		*	2410.688	100.759	70.360	N/A	N/A	30.399	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0	



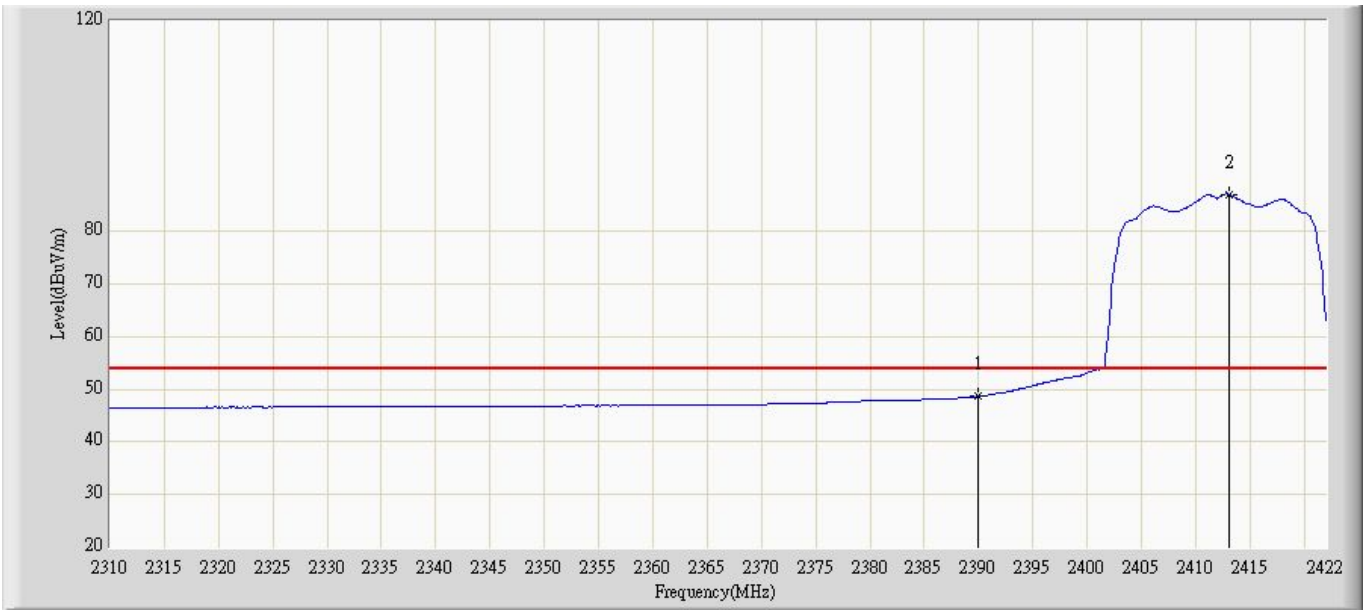
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.402	19.052	-4.598	54.000	30.350	AV
2		*	2410.800	88.211	57.811	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 1	



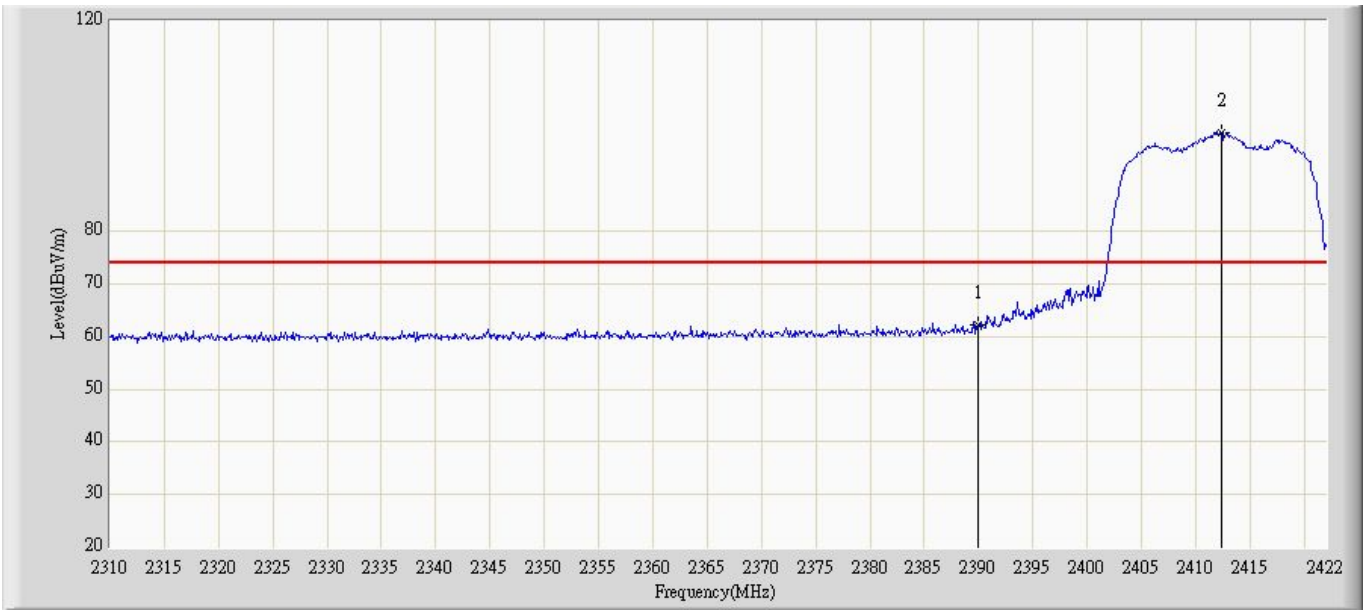
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	62.056	31.706	-11.944	74.000	30.350	PK
2		*	2412.032	99.051	68.648	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 1	



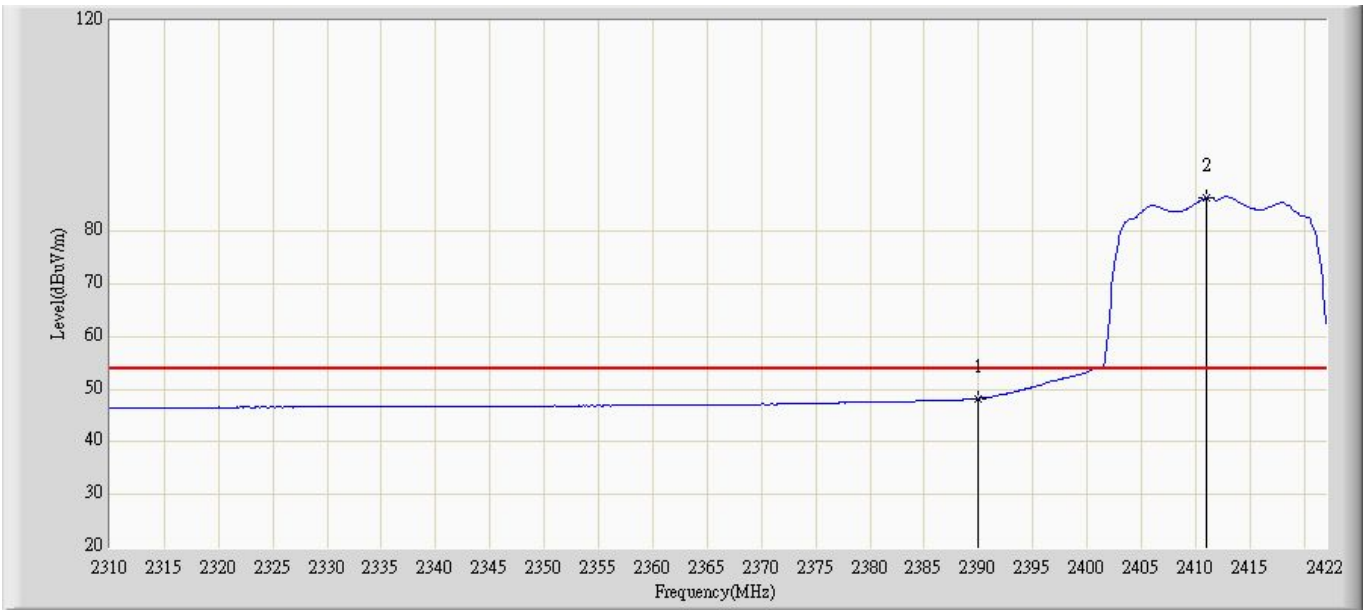
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.603	18.253	-5.397	54.000	30.350	AV
2		*	2413.040	87.068	56.662	N/A	N/A	30.406	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode1: Transmit at channel 2412 MHz by 802.11n20 ant 1	



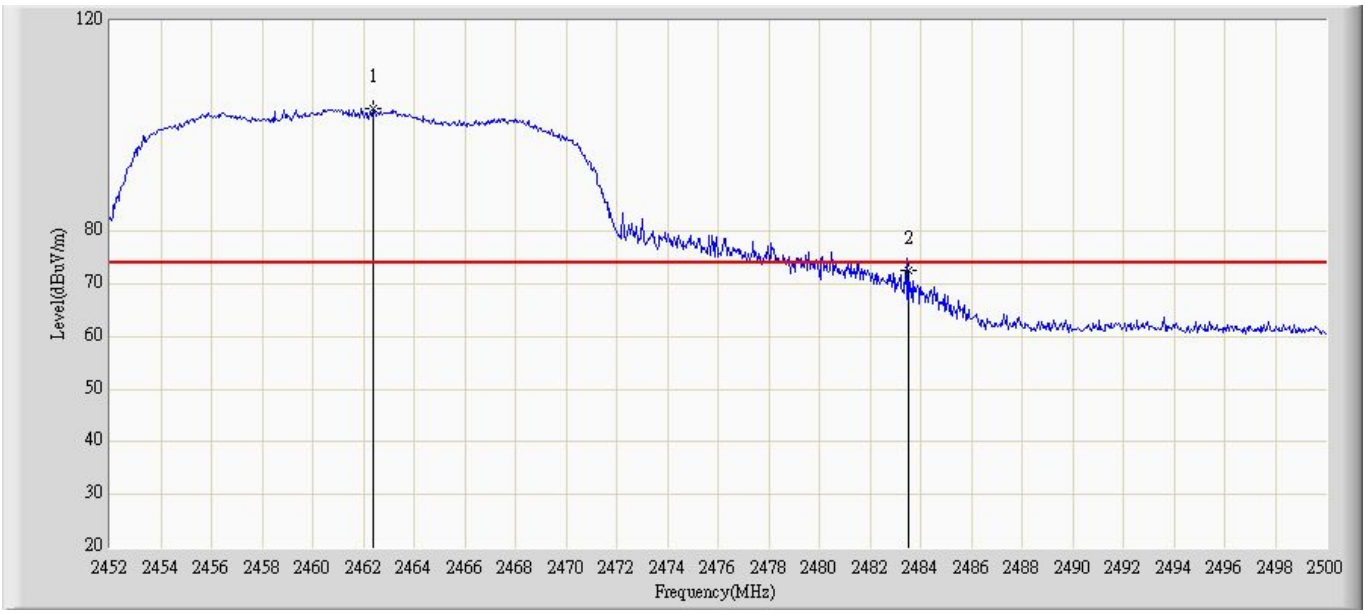
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	62.215	31.865	-11.785	74.000	30.350	PK
2		*	2412.368	98.805	68.401	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 1	



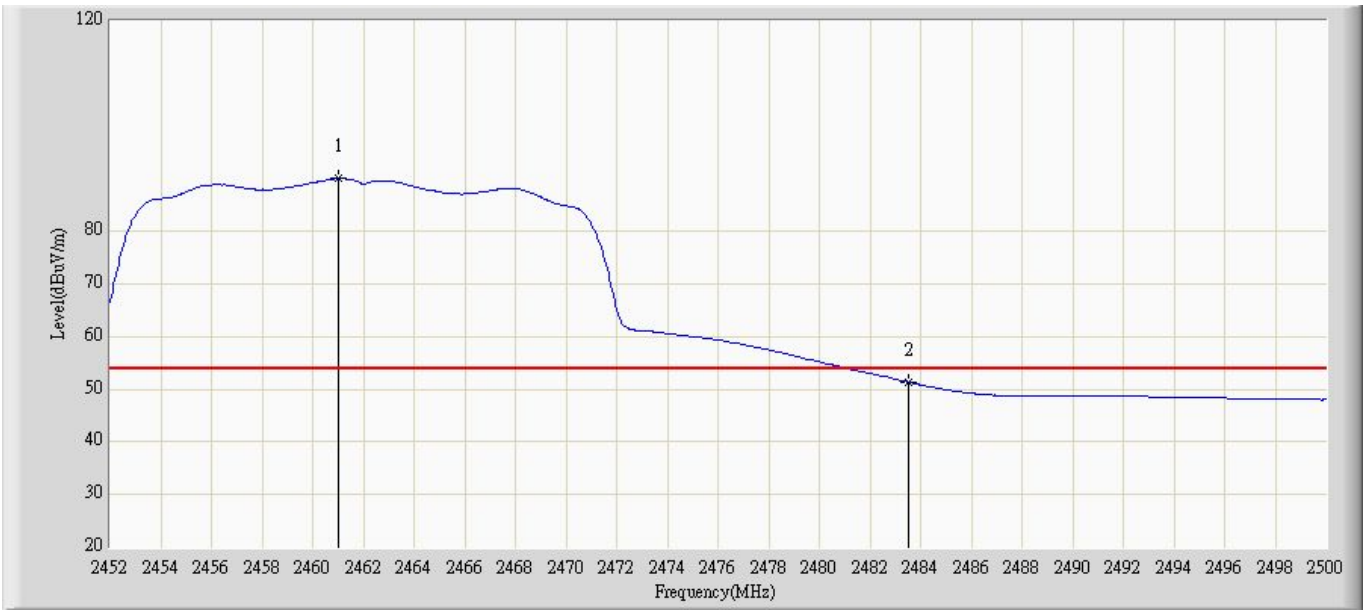
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.283	17.933	-5.717	54.000	30.350	AV
2		*	2411.024	86.421	56.021	N/A	N/A	30.400	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0	



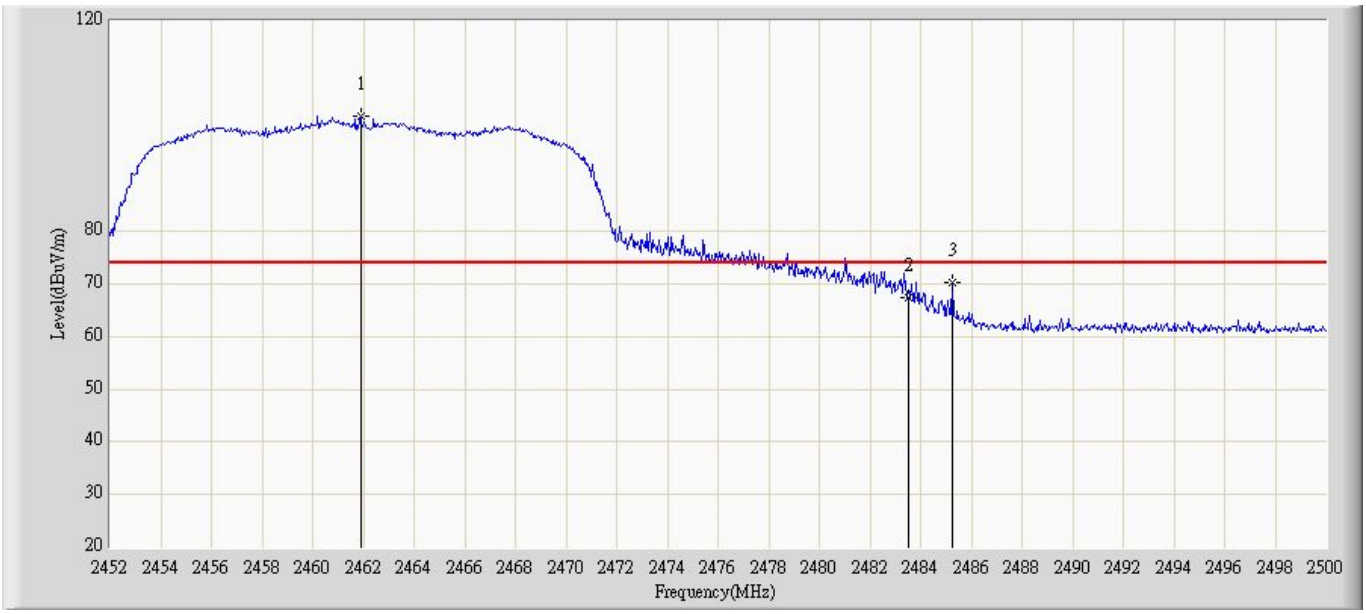
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.368	103.476	72.940	N/A	N/A	30.536	PK
2			2483.500	72.713	42.121	-1.287	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0	



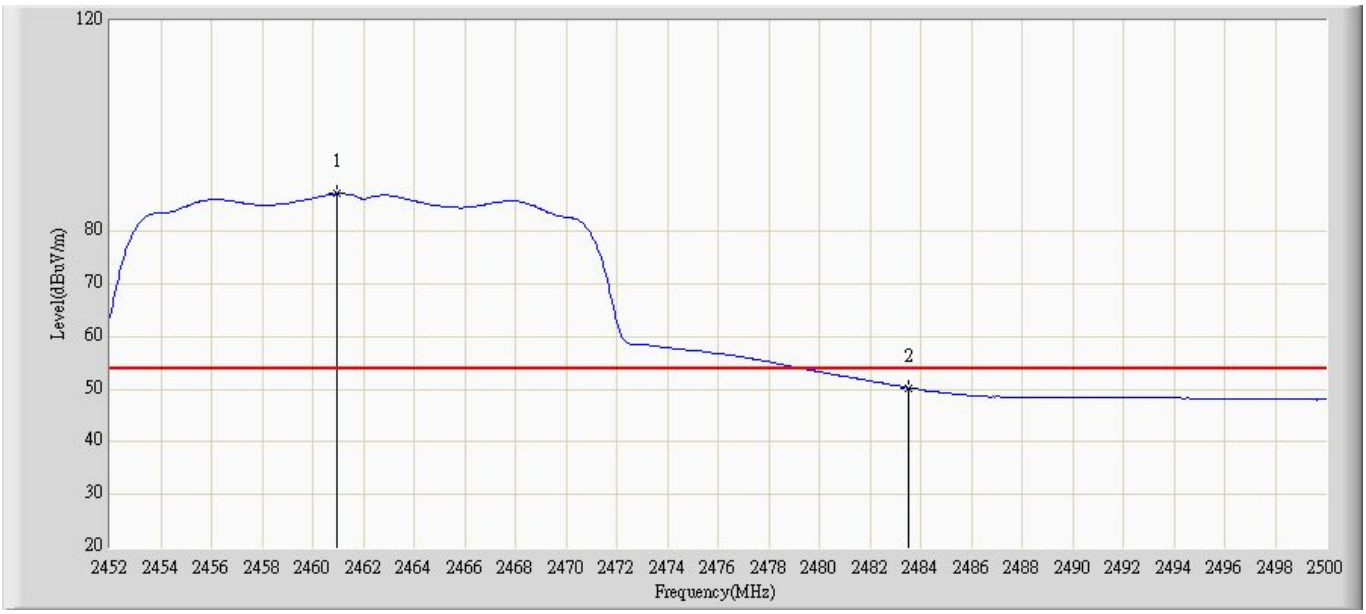
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.024	90.081	59.549	N/A	N/A	30.532	AV
2			2483.500	51.329	20.737	-2.671	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0	



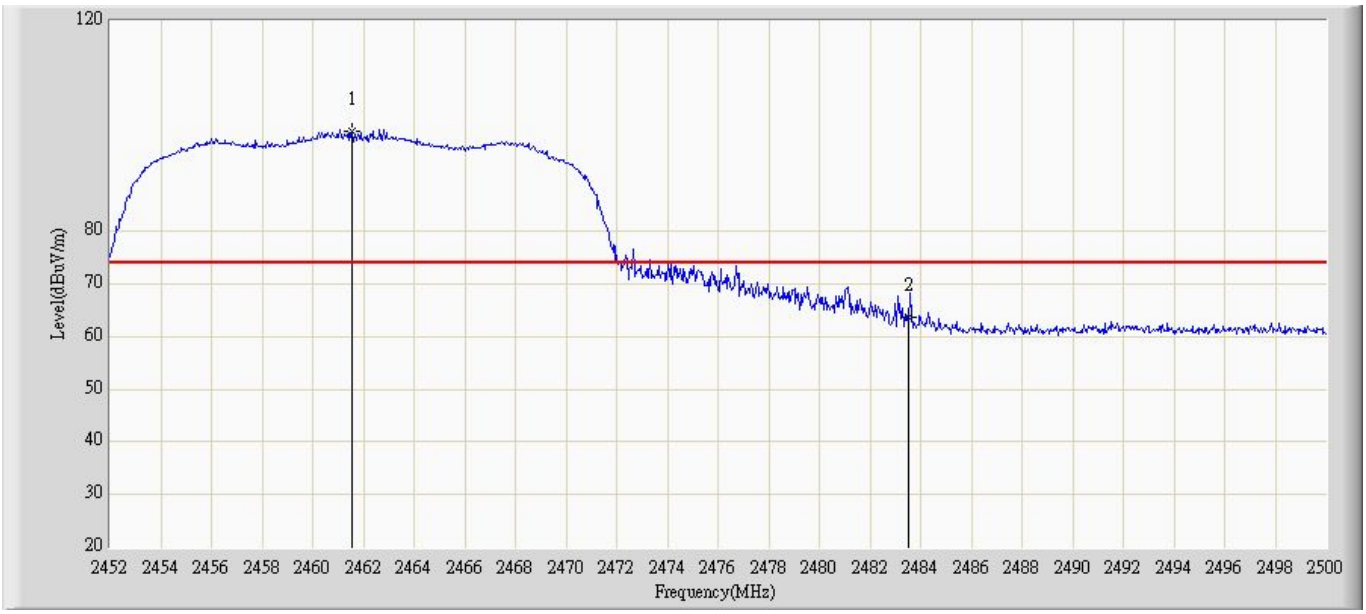
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.888	101.958	71.423	N/A	N/A	30.535	PK
2			2483.500	67.282	36.690	-6.718	74.000	30.592	PK
3			2485.264	70.230	39.633	-3.770	74.000	30.597	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0	



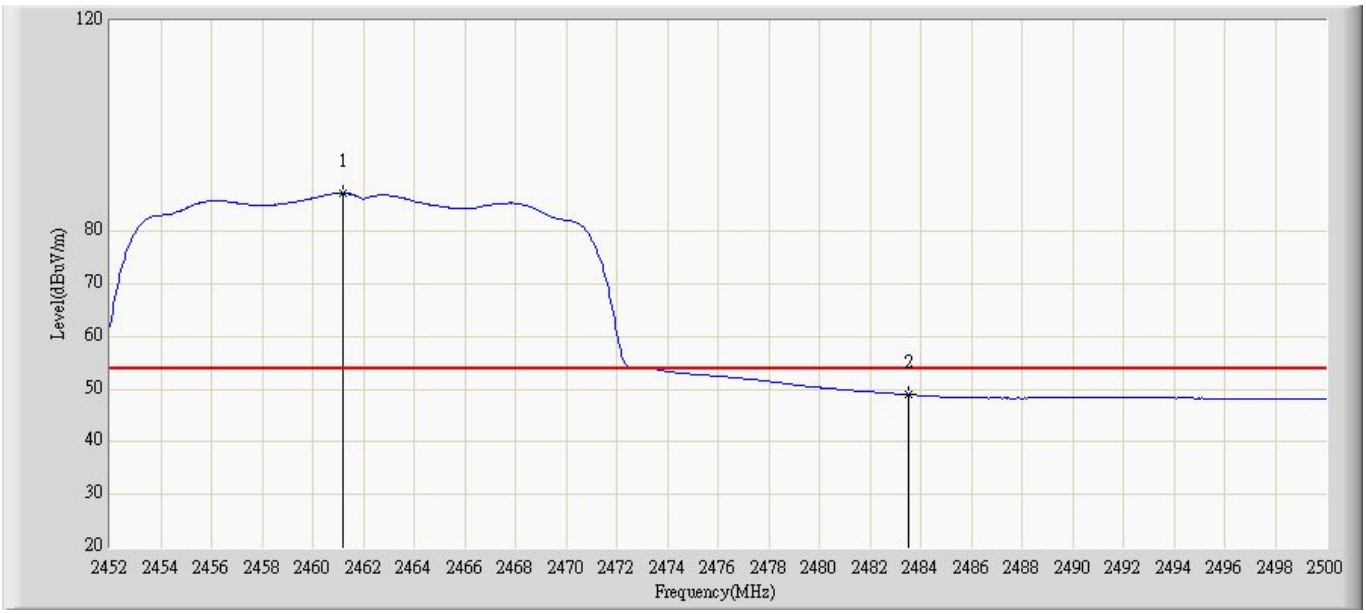
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.928	87.133	56.601	N/A	N/A	30.532	AV
2			2483.500	50.309	19.717	-3.691	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 1	



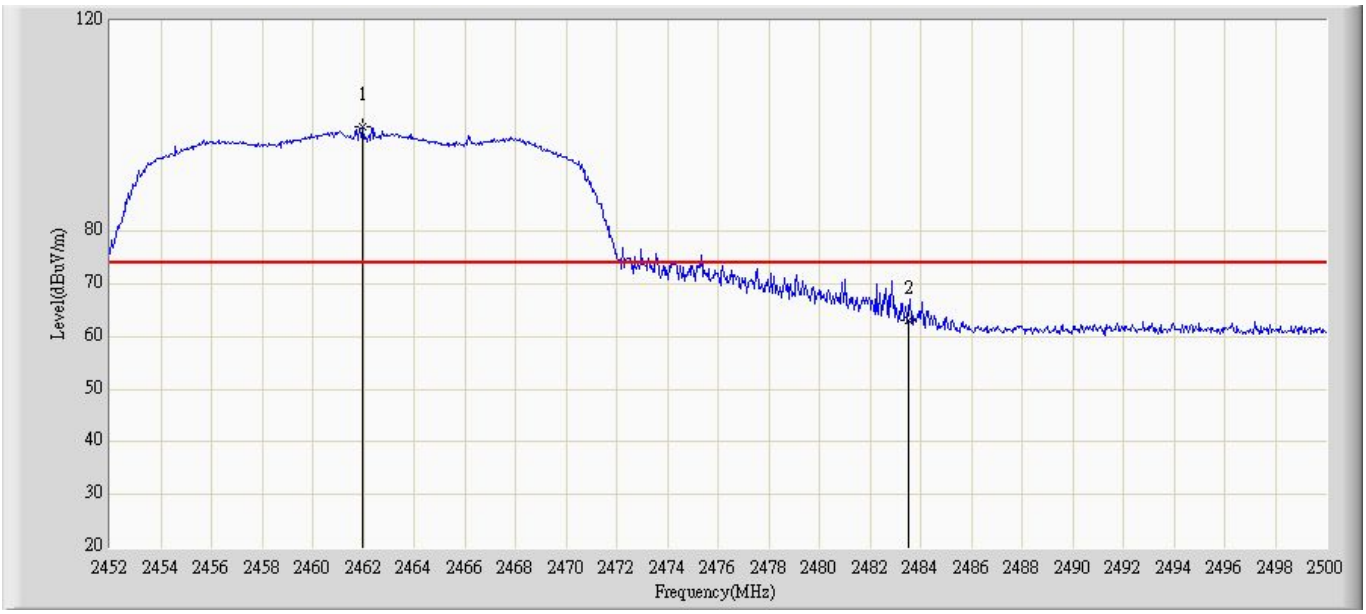
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.552	99.140	68.606	N/A	N/A	30.534	PK
2			2483.500	63.623	33.031	-10.377	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 20:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 1	



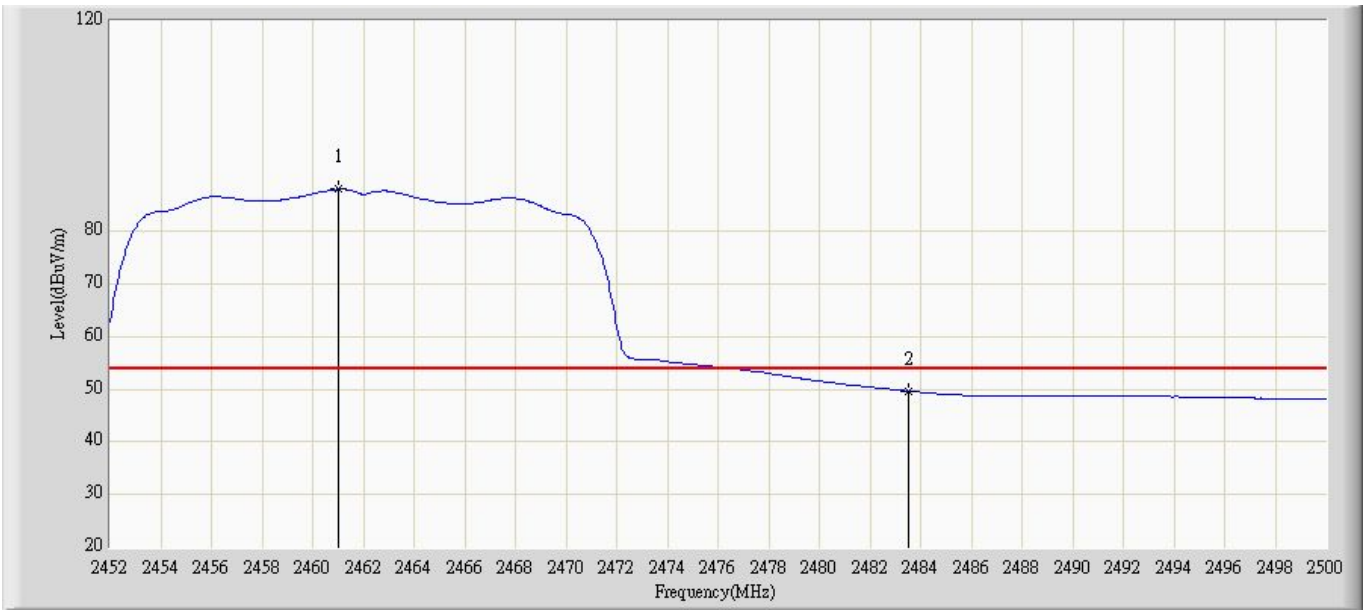
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.168	87.230	56.697	N/A	N/A	30.532	AV
2			2483.500	48.983	18.391	-5.017	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 1	



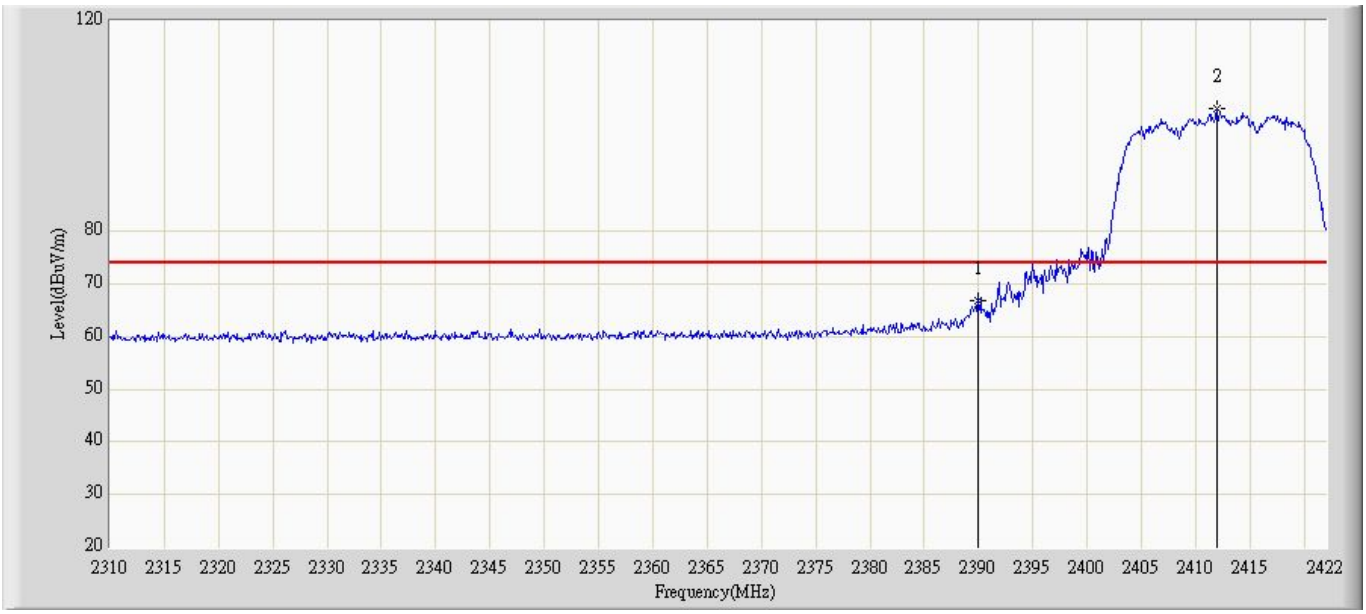
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.984	99.935	69.400	N/A	N/A	30.535	PK
2			2483.500	63.078	32.486	-10.922	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 1	



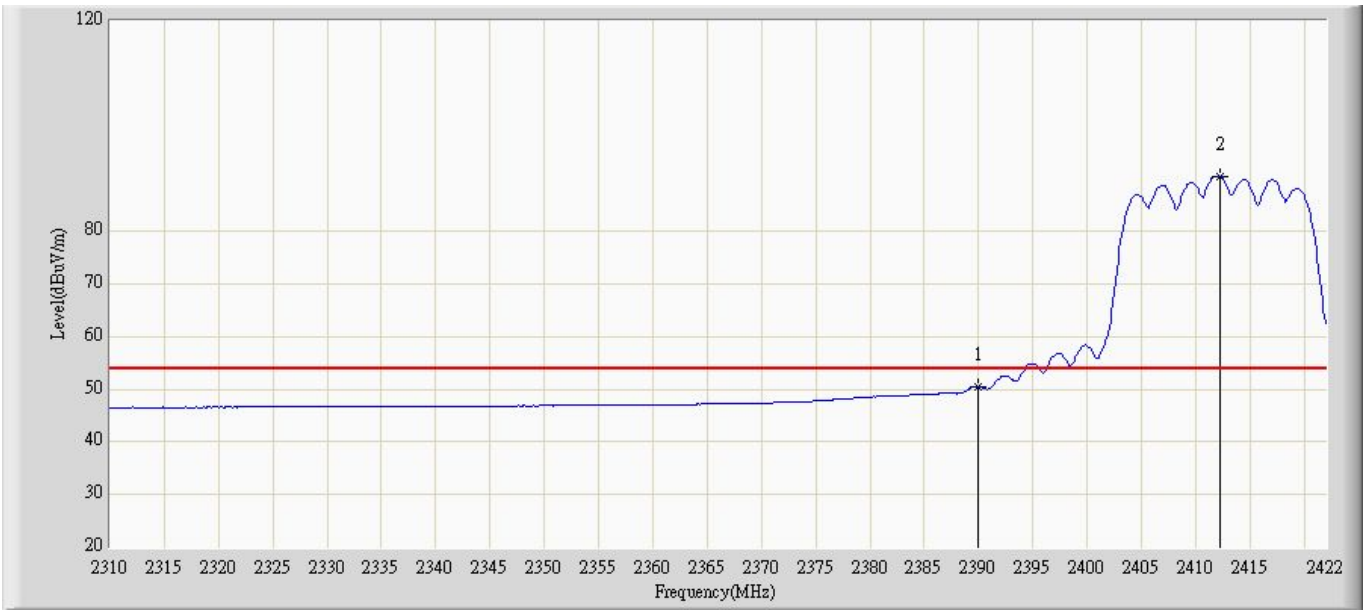
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.024	88.022	57.490	N/A	N/A	30.532	AV
2			2483.500	49.669	19.077	-4.331	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0+1	



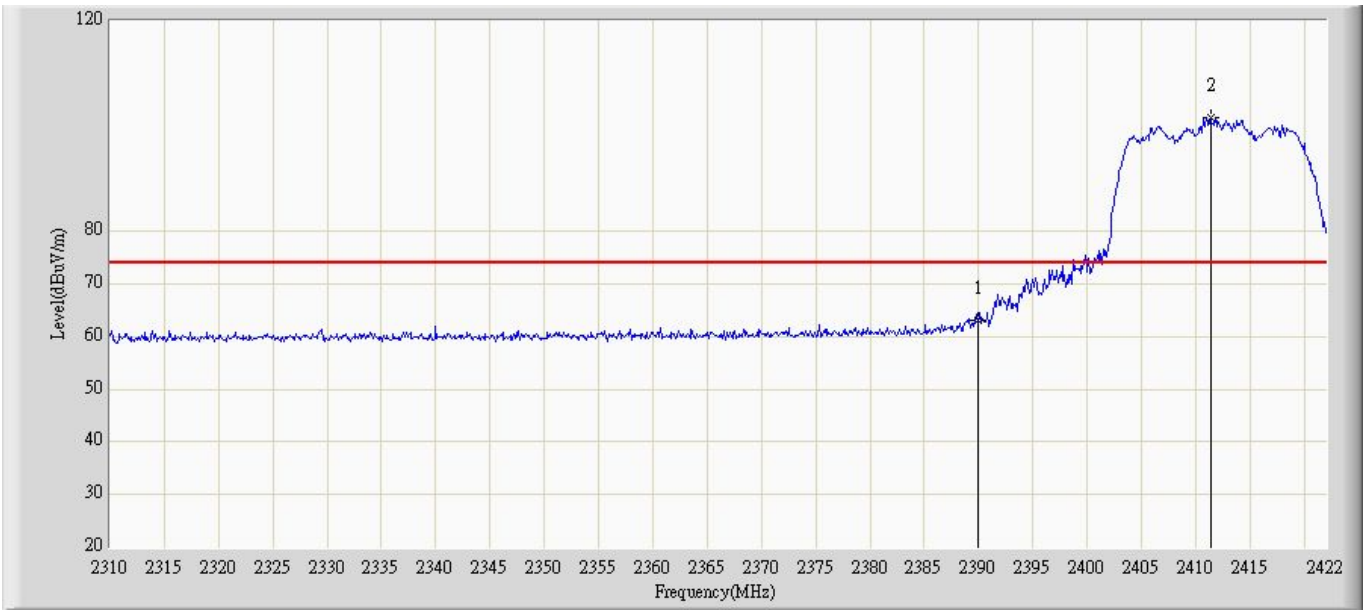
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	66.831	36.481	-7.169	74.000	30.350	PK
2		*	2411.920	103.409	73.007	N/A	N/A	30.403	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0+1	



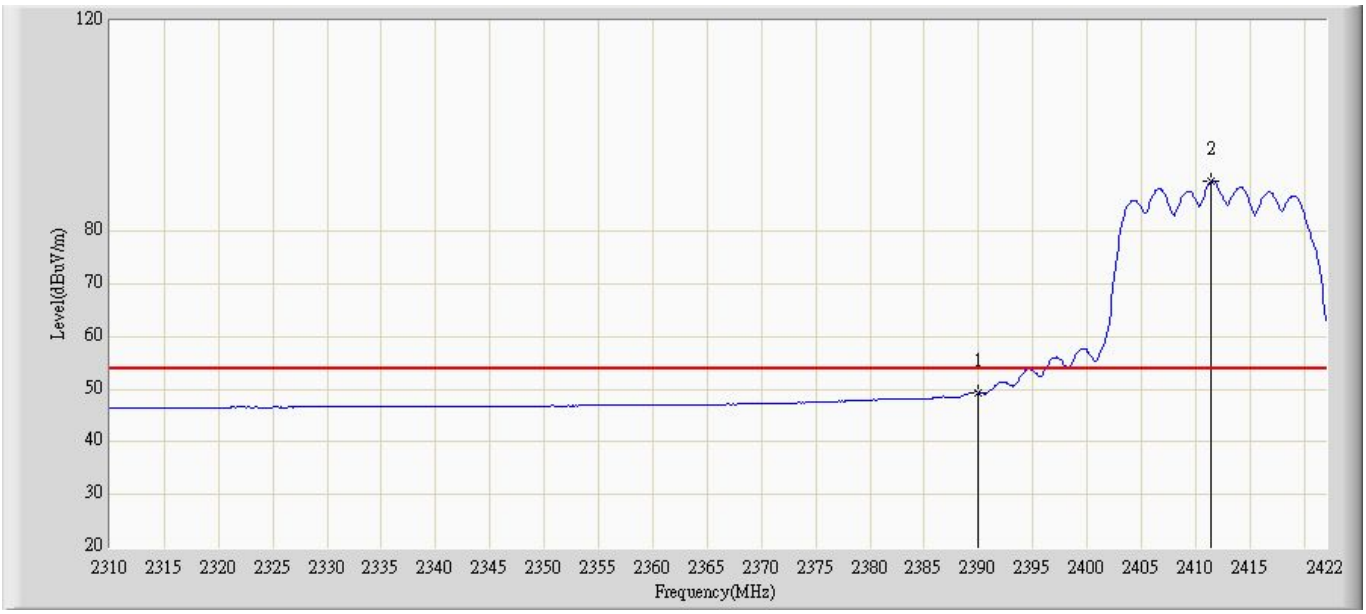
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.481	20.131	-3.519	54.000	30.350	AV
2		*	2412.256	90.445	60.042	N/A	N/A	30.403	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	63.151	32.801	-10.849	74.000	30.350	PK
2		*	2411.360	101.656	71.255	N/A	N/A	30.401	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2412 MHz by 802.11n20 ant 0+1	

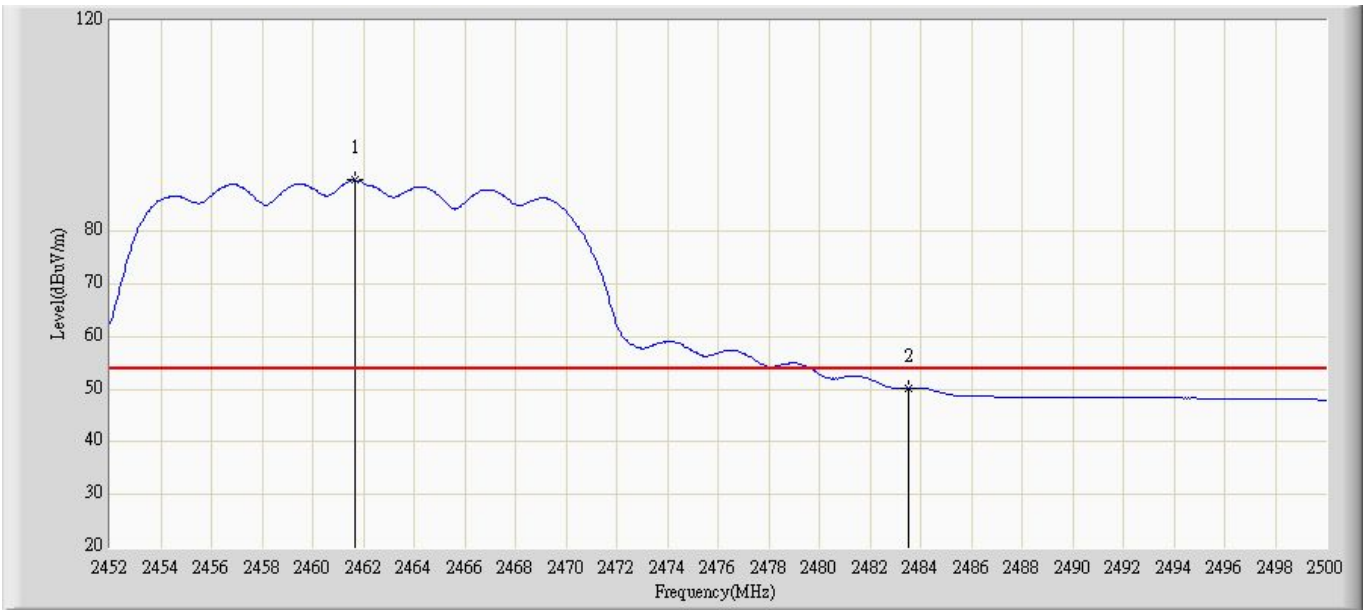


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.401	19.051	-4.599	54.000	30.350	AV
2		*	2411.472	89.415	59.014	N/A	N/A	30.401	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.544	101.398	70.867	N/A	N/A	30.530	PK
2			2483.500	65.302	34.710	-8.698	74.000	30.592	PK

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Horizontal
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.696	89.750	59.216	N/A	N/A	30.534	AV
2			2483.500	50.252	19.660	-3.748	54.000	30.592	AV

Engineer: Toms	
Site: AC5	Time: 2012/07/02 - 21:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA 9120D_499(1-18GHz)	Polarity: Vertical
EUT:IP-STB	Power: DC 5V
Note: Mode3: Transmit at channel 2462 MHz by 802.11n20 ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.504	102.026	71.492	N/A	N/A	30.533	PK
2			2483.500	68.026	37.434	-5.974	74.000	30.592	PK