FCC Part15.247 Test Report

Product Name	:	AirPcap Nx
Model No.	:	APC-NX
FCC ID	:	VHL-AIRPCAP-NX

Applicant	:	CACE Technologies, Inc.
Address	:	1949 5th Street, Suite 103, Davis, CA 95616 USA

Date of Receipt	:	Sep. 16, 2010
Test Date	:	Sep. 16, 2010 ~ Oct. 24, 2010
Issued Date	:	Oct. 25, 2010
Report No.	:	109S022R-RF-US-P05V01
Report Version	:	V1.0

Test Report Certification

Issued Date : Oct. 25, 2010
Report No. : 109S022R-RF-US-P05V01

Product Name	:	AirPcap Nx
Applicant	:	CACE Technologies, Inc.
Address	:	1949 5th Street, Suite 103, Davis, CA 95616 USA
Manufacturer	:	CACE Technologies, Inc.
Address	:	1949 5th Street, Suite 103, Davis, CA 95616 USA
Model No.	:	APC-NX
FCC ID	:	VHL-AIRPCAP-NX
EUT Voltage	:	DC 5V
Trade Name	:	CACE Technologies
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C: 2008
		ANSI C63.4: 2009
		ANSI C63.10: 2009
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

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(Engineering ADM: Alice Ni)

Reviewed By : Marlin Chen
(Engineering Supervisor: Marlin Chen)

Approved By : Dream Cao
(Engineering Manager: Dream Cao)

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**

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/
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

HsinChu Testing Laboratory :
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TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com

NVLAP Lab Code : 200347-0

1313

LinKou Testing Laboratory :
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TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com

NVLAP Lab Code: 200533-0

0914

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NVLAP Lab Code : 200743-0

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1. General Information

1.1. EUT Description

Product Name	AirPcap Nx
Trade Name	CACE Technologies
Model No.	APC-NX
EUT Voltage	DC 5V
Frequency Range	For 2.4GHz Band 802.11b/g/n(20MHz): 2412 - 2462 MHz 802.11n(40MHz): 2422 - 2452 MHz For 5.0GHz Band 802.11a/n(20MHz): 5180 - 5320 MHz, 5500 - 5700 MHz, 5745 - 5825MHz 802.11n(40MHz): 5190 - 5310 MHz, 5510 - 5670 MHz, 5755 - 5795 MHz
Channel Number	For 2.4GHz Band 802.11b/g/n(20MHz): 11 802.11n(40MHz): 7 For 5.0GHz Band 802.11a/n(20MHz): 24 802.11n(40MHz): 11
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

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
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825 MHz
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz	N/A	N/A

802.11a/b/g/n Antenna List

Antenna	Manufacturer	Model No.	Peak Gain
Dipole Antenna	APM	AGP-I2405SMR	2.4GHz: 5dBi
PCB Antenna	N/A	N/A	2.4GHz/5GHz: 0dBi

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

Test Mode 2-0dBi
Mode 2-1: Transmit by 802.11b
Mode 2-2: Transmit by 802.11g
Mode 2-3: Transmit by 802.11a
Mode 2-4: Transmit by 802.11n (20MHz)
Mode 2-5: Transmit by 802.11n (40MHz)

Note:

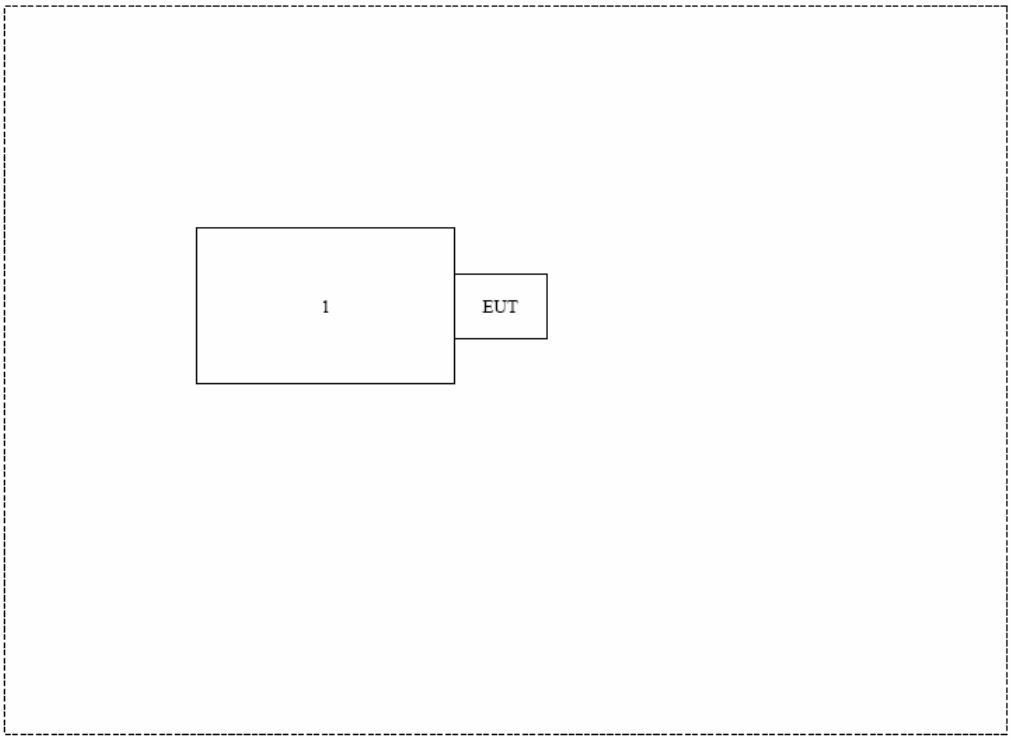
1. Regards to the frequency band operation: the lowest、middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 109S022R-RF-US-P02V01.

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	DELL	PP19L	JH097 A01	N/A

1.4. Configuration of Tested System

Connection Diagram	
	
Signal Cable Type	Signal cable Description

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Run the RF test software “ART”, and set the test mode and channel, then press OK to start 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: 2008 Section 15.207	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.209	Yes	No
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2008 15.247(d)	Yes	No
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 15.215(c)	Yes	No
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(a)(2)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(b)(3)	Yes	No
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.247(e)	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

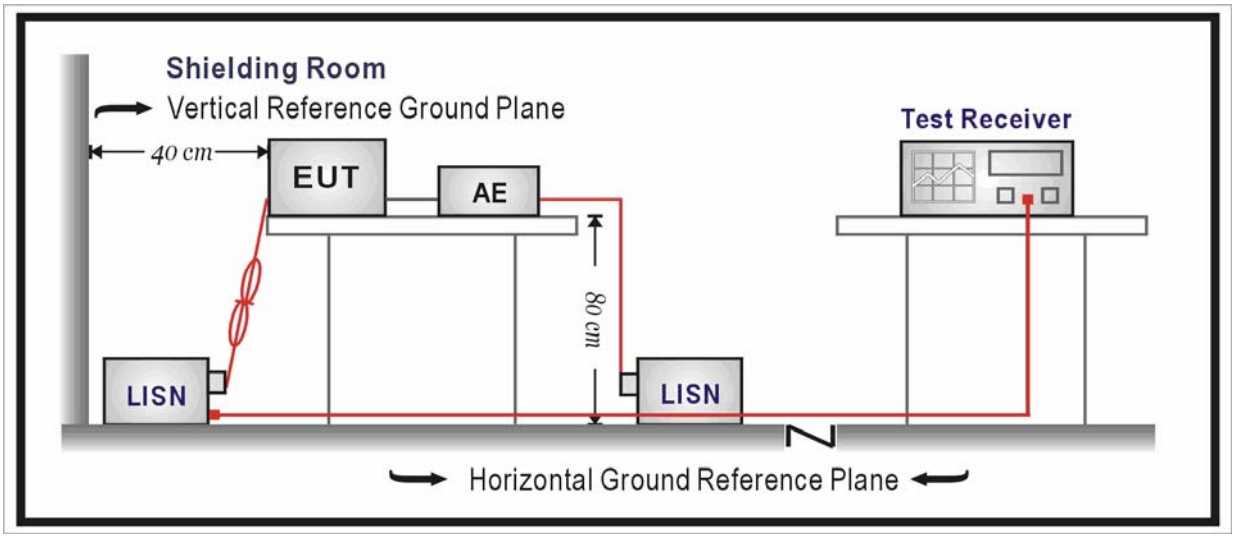
3.1. Test Equipment

Conducted Emission / TR-1

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100726	2010.04.23
Two-Line V-Network	R&S	ENV216	100043	2010.06.18
Two-Line V-Network	R&S	ENV216	100044	2010.09.07
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2010.05.05
50ohm Termination	SHX	TF2	07081401	2010.09.27
Temperature/Humidity Meter	zhicheng	ZC1-2	TR1-TH	2010.01.14

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.

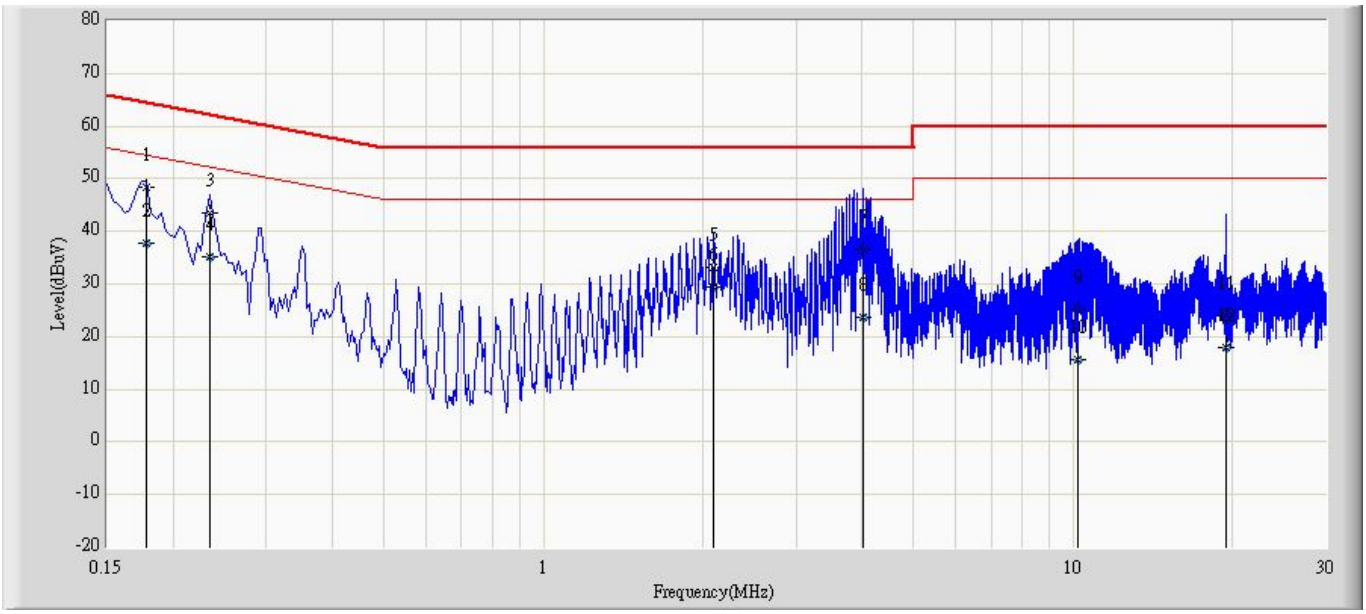
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.5. Uncertainty

The measurement uncertainty is defined as ± 2.02 dB

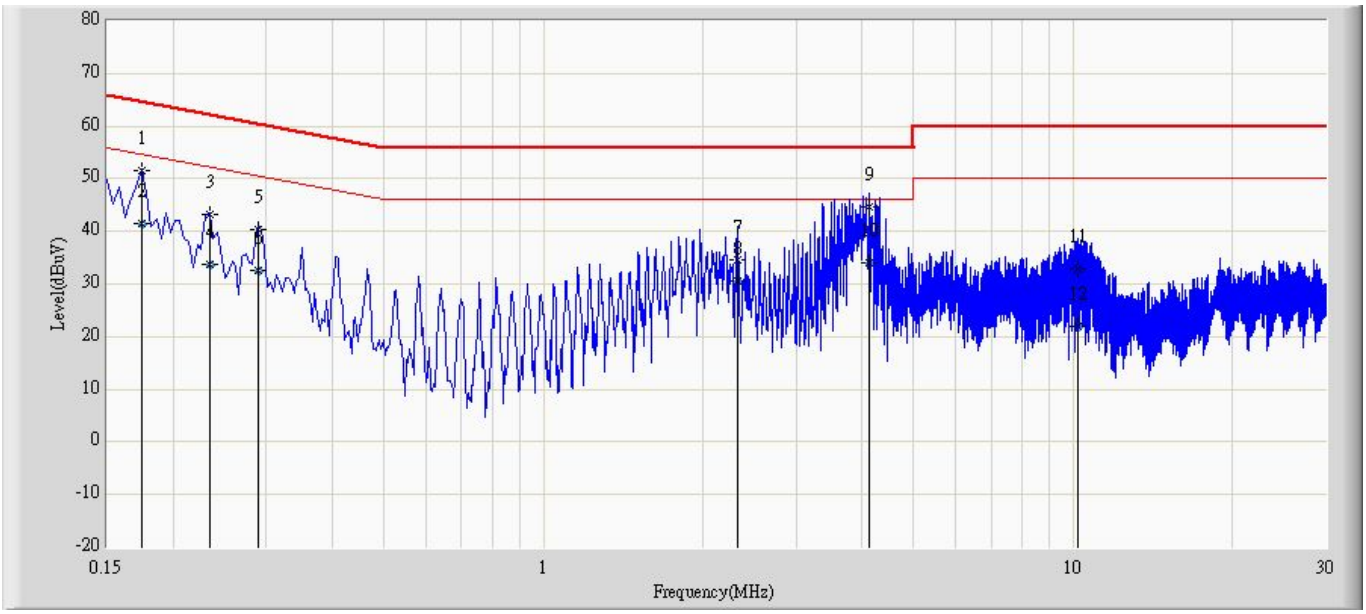
3.6. Test Result

Engineer: Steven	
Site: TR1	Time: 2010/10/23 - 15:45
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.178	48.525	38.898	-16.053	64.578	9.627	QP
2		0.178	37.620	27.993	-16.958	54.578	9.627	AV
3		0.234	43.584	33.904	-18.722	62.307	9.680	QP
4		0.234	35.199	25.519	-17.108	52.307	9.680	AV
5		2.098	33.150	23.419	-22.850	56.000	9.731	QP
6		2.098	29.406	19.675	-16.594	46.000	9.731	AV
7		4.022	36.551	26.761	-19.449	56.000	9.790	QP
8		4.022	23.639	13.848	-22.361	46.000	9.790	AV
9		10.194	25.078	15.114	-34.922	60.000	9.965	QP
10		10.194	15.690	5.725	-34.310	50.000	9.965	AV
11		19.378	23.939	13.721	-36.061	60.000	10.218	QP
12		19.378	17.860	7.641	-32.140	50.000	10.218	AV

Engineer: Steven	
Site: TR1	Time: 2010/10/23 - 15:49
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.174	51.577	41.865	-13.190	64.767	9.712	QP
2		0.174	41.369	31.656	-13.399	54.767	9.712	AV
3		0.234	43.306	33.655	-19.000	62.307	9.651	QP
4		0.234	33.646	23.995	-18.660	52.307	9.651	AV
5		0.290	40.486	30.833	-20.039	60.524	9.653	QP
6		0.290	32.668	23.015	-17.857	50.524	9.653	AV
7		2.326	34.603	24.861	-21.397	56.000	9.742	QP
8		2.326	30.458	20.716	-15.542	46.000	9.742	AV
9	*	4.126	44.559	34.768	-11.441	56.000	9.791	QP
10		4.126	34.040	24.249	-11.960	46.000	9.791	AV
11		10.230	32.860	22.856	-27.140	60.000	10.003	QP
12		10.230	21.999	11.996	-28.001	50.000	10.003	AV

4. Radiated Emission

4.1. Test Equipment

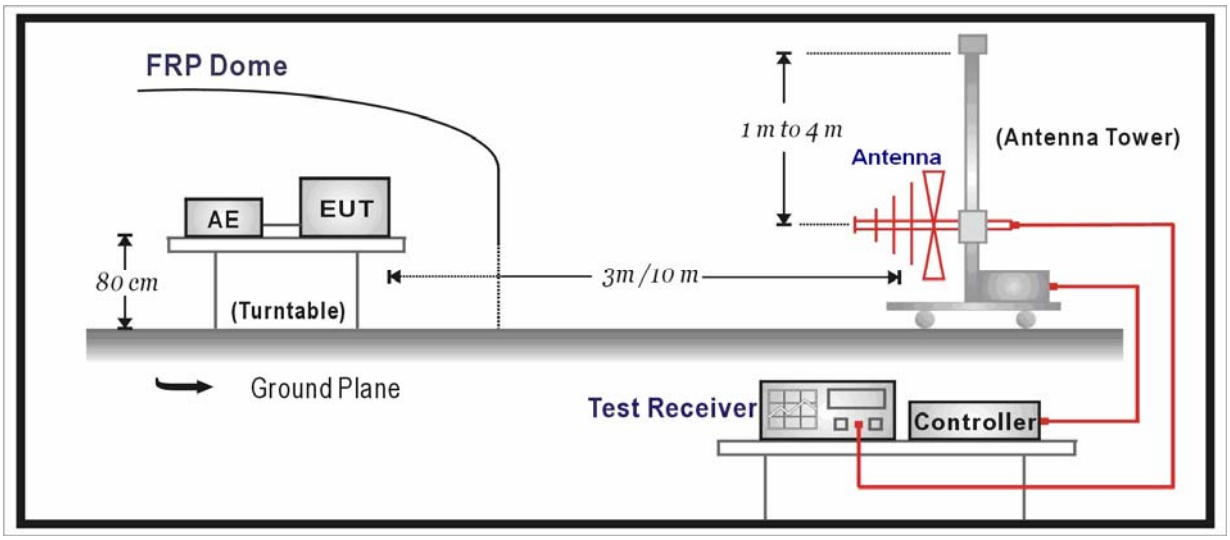
☒Radiated Emission / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2010.04.23
EMI Test Receiver	R&S	ESCI	100906	2010.01.15
Preamplifier	Quietek	AP-180C	CHM-0602013	2010.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2010.05.05
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2010.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2010.06.11
High-Pass Filter	Wainwright	WHKX2.8/18G-12SS	SN1	2010.03.03
High-Pass Filter	Wainwright	WHKX7.0/18G-8SS	SN16	2010.03.03
Lowpass Filter	Wainwright	WLKS4500-9SS	SN2	2010.03.03
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC5-TH	2010.01.14

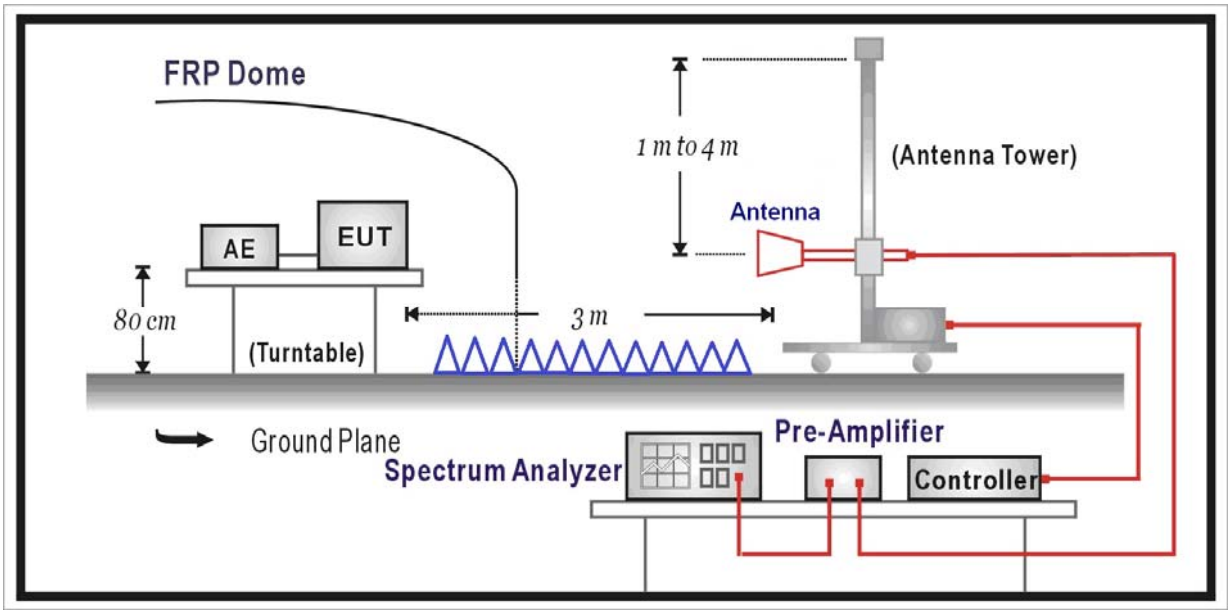
Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. 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 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 10~60 degrees for H-plane and 10~90 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

The test mode 1

802.11b

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	1	V	2410.9	78.7	30.6	109.3	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.9	1.9	45.8	54(note)	-8.2	PK
		V	4825.0	42.9	0.5	43.4	54(note)	-10.6	PK
		V	7236.0	38.4	6.9	45.3	54(note)	-8.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	79.2	35.3	114.5	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.9	1.9	45.8	54(note)	-8.2	PK
		V	4876.0	45.0	0.2	45.2	54(note)	-8.8	PK
		V	7311.0	38.5	6.8	45.3	54(note)	-8.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	82.0	30.4	112.4	Fundamental	/	PK
		H	511.2	10.0	18.8	28.8	46	-17.2	QP
		H	702.9	8.1	20.9	29.0	46	-17.0	QP
		V	5998.0	43.4	1.9	45.3	54(note)	-8.7	PK
		V	4927.0	45.6	0.5	46.1	54(note)	-7.9	PK
		V	7326.0	38.6	6.7	45.3	54(note)	-8.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2410.7	78.7	30.6	109.3	Fundamental	/	PK
		H	511.2	9.4	18.8	28.2	46	-17.8	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	44.2	0.5	44.7	54(note)	-9.3	PK
		V	4824.0	40.1	6.9	47.0	54(note)	-7.0	PK

		V	7236.0	38.1	-6.1	32.0	54(note)	-22.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	81.2	30.4	111.6	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.9	1.9	45.8	54(note)	-8.2	PK
		V	4874.0	39.9	0.2	40.1	54(note)	-13.9	PK
		V	7311.0	38.7	6.8	45.5	54(note)	-8.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2461.9	80.5	30.4	110.9	Fundamental	/	PK
		H	511.2	9.7	18.8	28.5	46	-17.5	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.9	1.9	45.8	54(note)	-8.2	PK
		V	4924.0	38.9	0.5	39.4	54(note)	-14.6	PK
		V	7386.0	38.1	6.7	44.8	54(note)	-9.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11g

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	1	V	2411.9	84.0	30.6	114.6	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4825.0	41.0	0.5	41.5	54(note)	-12.5	PK
		V	7236.0	38.3	6.9	45.2	54(note)	-8.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	86.5	30.4	116.9	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4876.0	41.2	0.2	41.4	54(note)	-12.6	PK
		V	7311.0	37.9	6.8	44.7	54(note)	-9.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	84.5	30.4	114.9	Fundamental	/	PK

		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4927.0	41.3	0.5	41.8	54(note)	-12.2	PK
		V	7386.0	38.2	6.7	44.9	54(note)	-9.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2411.8	85.7	30.6	116.3	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.1	20.9	29.0	46	-17.0	QP
		V	5998.0	41.8	1.9	43.7	54(note)	-10.3	PK
		V	4816.5	41.8	0.5	42.3	54(note)	-11.7	PK
		V	7236.0	38.1	6.9	45.0	54(note)	-9.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	87.2	30.3	117.5	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.0	1.9	44.9	54(note)	-9.1	PK
		V	4874.0	40.4	0.2	40.6	54(note)	-13.4	PK
		V	7311.0	38.1	6.8	44.9	54(note)	-9.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	84.1	30.4	114.5	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	45.1	1.9	47.0	54(note)	-7.0	PK
		V	4924.0	39.7	0.5	40.2	54(note)	-13.8	PK
		V	7386.0	38.9	6.7	45.6	54(note)	-8.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11a

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	149	V	5738.5	80.7	30.5	111.2	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	7026.5	39.3	6.6	45.9	54(note)	-8.1	PK
		V	11650.5	38.0	11.8	49.8	54(note)	-4.2	PK

		V	15790.0	37.9	11.5	49.4	54(note)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	79.1	31.2	110.3	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.6	20.9	29.5	46	-16.5	QP
		V	7043.5	39.5	6.6	46.1	54(note)	-7.9	PK
		V	11183.0	38.1	12.2	50.3	54(note)	-3.7	PK
		V	15713.5	37.6	12.1	49.7	54(note)	-4.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	82.2	30.3	112.5	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	7213.5	40.5	7.2	47.7	54(note)	-6.3	PK
		V	11693.0	37.7	11.7	49.4	54(note)	-4.6	PK
		V	15577.5	38.0	12.5	50.5	54(note)	-3.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	149	V	5738.5	82.5	30.5	113.0	Fundamental	/	PK
		H	511.2	9.7	18.8	28.5	46	-17.5	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7026.5	39.3	6.6	45.9	54(note)	-8.1	PK
		V	11650.5	36.1	11.8	47.9	54(note)	-6.1	PK
		V	15790.0	37.3	11.5	48.8	54(note)	-5.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	81.0	31.2	112.2	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7043.5	37.9	6.6	44.5	54(note)	-9.5	PK
		V	11183.0	38.6	12.2	50.8	54(note)	-3.2	PK
		V	15713.5	37.6	12.1	49.7	54(note)	-4.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	83.2	30.3	113.5	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	7213.5	40.1	7.2	47.3	54(note)	-6.7	PK
		V	11693.0	37.4	11.7	49.1	54(note)	-4.9	PK
		V	15577.5	37.2	12.5	49.7	54(note)	-4.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

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 100	1	V	2412.0	84.1	30.6	114.7	Fundamental	/	PK
		H	511.2	10.6	18.8	29.4	46	-16.6	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.2	1.9	45.1	54(note)	-8.9	PK
		V	4824.0	40.3	0.5	40.8	54(note)	-13.2	PK
		V	7236.0	38.0	6.9	44.9	54(note)	-9.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	87.4	30.5	117.9	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	44.2	1.9	46.1	54(note)	-7.9	PK
		V	4876.0	41.8	0.2	42.0	54(note)	-12.0	PK
		V	7311.0	37.7	6.8	44.5	54(note)	-9.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.2	84.3	30.4	114.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.4	1.9	45.3	54(note)	-8.7	PK
		V	4927.0	41.8	0.5	42.3	54(note)	-11.7	PK
		V	7386.0	37.9	6.7	44.6	54(note)	-9.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	149	V	5738.5	81.7	30.5	112.2	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7052.0	40.1	6.5	46.6	54(note)	-7.4	PK
		V	9117.5	39.0	8.7	47.7	54(note)	-6.3	PK
		V	11693.0	38.4	11.7	50.1	54(note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	80.1	31.2	111.3	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7009.5	39.9	6.5	46.4	54(note)	-7.6	PK
		V	11693.0	39.9	11.7	51.6	54(note)	-2.4	PK

		V	15637.0	37.9	12.2	50.1	54(note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	82.3	30.3	112.6	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7094.5	40.1	6.5	46.6	54(note)	-7.4	PK
		V	11480.5	37.0	13.2	50.2	54(note)	-3.8	PK
		V	15594.5	37.3	12.6	49.9	54(note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2411.9	83.6	30.6	114.2	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4825.0	52.1	0.5	52.6	54(note)	-1.4	PK
		V	7236.0	44.5	6.9	51.4	54(note)	-2.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	85.2	30.5	115.7	Fundamental	/	PK
		H	511.2	9.5	18.8	28.3	46	-17.7	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4874.0	43.3	0.2	43.5	54(note)	-10.5	PK
		V	7311.0	37.8	6.8	44.6	54(note)	-9.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2461.9	83.0	30.4	113.4	Fundamental	/	PK
		H	511.2	10.4	18.8	29.2	46	-16.8	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4924.0	39.7	0.5	40.2	54(note)	-13.8	PK
		V	7386.0	38.9	6.7	45.6	54(note)	-8.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	149	V	5738.5	84.5	30.5	115.0	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	7052.0	40.3	6.5	46.8	54(note)	-7.2	PK
		V	9117.5	39.1	8.7	47.8	54(note)	-6.2	PK
		V	11693.0	38.6	11.7	50.3	54(note)	-3.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

	157	V	5777.5	80.8	31.2	112.0	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7009.5	39.3	6.5	45.8	54(note)	-8.2	PK
		V	11693.0	39.1	11.7	50.8	54(note)	-3.2	PK
		V	15637.0	37.4	12.2	49.6	54(note)	-4.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	80.0	30.3	110.3	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.0	20.9	28.9	46	-17.1	QP
		V	7094.5	40.4	6.5	46.9	54(note)	-7.1	PK
		V	11480.5	37.1	13.2	50.3	54(note)	-3.7	PK
		V	15594.5	37.6	12.6	50.2	54(note)	-3.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 101	1	V	2411.9	84.7	30.6	115.3	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4824.0	42.6	0.5	43.1	54(note)	-10.9	PK
		V	7236.0	38.1	6.9	45.0	54(note)	-9.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	86.2	30.5	116.7	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4874.0	41.1	0.2	41.3	54(note)	-12.7	PK
		V	7311.0	37.9	6.8	44.7	54(note)	-9.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.2	85.3	30.4	115.7	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4924.0	41.3	0.5	41.8	54(note)	-12.2	PK
		V	7386.0	38.7	6.7	45.4	54(note)	-8.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	149	V	5738.5	83.7	30.5	114.2	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP

		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	7052.0	40.2	6.5	46.7	54(note)	-7.3	PK
		V	9117.5	38.2	8.7	46.9	54(note)	-7.1	PK
		V	11693.0	38.6	11.7	50.3	54(note)	-3.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	82.1	31.2	113.3	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7009.5	38.7	6.5	45.2	54(note)	-8.8	PK
		V	11693.0	39.2	11.7	50.9	54(note)	-3.1	PK
		V	15637.0	37.4	12.2	49.6	54(note)	-4.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	82.6	30.3	112.9	Fundamental	/	PK
		H	511.2	9.7	18.8	28.5	46	-17.5	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7094.5	40.4	6.5	46.9	54(note)	-7.1	PK
		V	11480.5	36.5	13.2	49.7	54(note)	-4.3	PK
		V	15594.5	37.3	12.6	49.9	54(note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

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 100	3	V	2425.1	80.6	30.6	111.2	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	44.4	1.9	46.3	54(note)	-7.7	PK
		V	4844.0	40.0	0.5	40.5	54(note)	-13.5	PK
		V	7266.0	38.5	6.9	45.4	54(note)	-8.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	82.3	30.4	112.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	44.3	1.9	46.2	54(note)	-7.8	PK
		V	4876.0	42.4	0.5	42.9	54(note)	-11.1	PK
		V	7311.0	37.8	6.8	44.6	54(note)	-9.4	PK

		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2453.5	80.4	30.4	110.8	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	5998.0	43.9	1.9	45.8	54(note)	-8.2	PK
		V	4904.0	40.2	0.4	40.6	54(note)	-13.4	PK
		V	7356.0	37.7	6.6	44.3	54(note)	-9.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	151	V	5757.2	82.0	30.5	112.5	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.1	20.9	29.0	46	-17.0	QP
		V	7026.5	39.5	6.6	46.1	54(note)	-7.9	PK
		V	11701.5	39.1	11.8	50.9	54(note)	-3.1	PK
		V	15637.0	37.3	12.2	49.5	54(note)	-4.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	159	V	5793.6	82.3	31.2	113.5	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	6992.5	39.2	6.2	45.4	54(note)	-8.6	PK
		V	11684.5	38.5	11.7	50.2	54(note)	-3.8	PK
		V	15586.0	37.4	12.7	50.1	54(note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	3	V	2416.7	80.3	30.6	110.9	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4844.0	40.8	0.5	41.3	54(note)	-12.7	PK
		V	7266.0	38.7	6.9	45.6	54(note)	-8.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.0	83.3	30.6	113.9	Fundamental	/	PK
		H	511.2	9.2	18.8	28.0	46	-18.0	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4874.0	41.7	0.5	42.2	54(note)	-11.8	PK
		V	7311.0	37.9	6.8	44.7	54(note)	-9.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2453.5	79.1	30.5	109.6	Fundamental	/	PK

		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4904.0	40.8	0.4	41.2	54(note)	-12.8	PK
		V	7356.0	38.8	6.6	45.4	54(note)	-8.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	151	V	5757.2	82.7	30.5	113.2	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7026.5	39.4	6.6	46.0	54(note)	-8.0	PK
		V	11701.5	39.4	11.8	51.2	54(note)	-2.8	PK
		V	15637.0	36.2	12.2	48.4	54(note)	-5.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	159	V	5793.6	80.6	31.2	111.8	Fundamental	/	PK
		H	511.2	9.5	18.8	28.3	46	-17.7	QP
		H	702.9	8.7	20.9	29.6	46	-16.4	QP
		V	6992.5	39.1	6.2	45.3	54(note)	-8.7	PK
		V	11684.5	38.9	11.7	50.6	54(note)	-3.4	PK
		V	15586.0	37.2	12.7	49.9	54(note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 101	3	V	2420.6	79.9	30.6	110.5	Fundamental	/	PK
		H	511.2	9.6	18.8	28.4	46	-17.6	QP
		H	702.9	8.6	20.9	29.5	46	-16.5	QP
		V	5998.0	43.6	1.9	45.5	54	-8.5	PK
		V	4944.0	39.8	0.5	40.3	54	-13.7	PK
		V	7266.0	38.3	6.9	45.2	54	-8.8	PK
		H	24000.0	59.1	-8.9	50.2	54	-3.8	PK
	6	V	2437.0	82.2	30.5	112.7	Fundamental	/	PK
		H	511.2	9.6	18.8	28.4	46	-17.6	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4874.0	42.5	0.5	43.0	54(note)	-11.0	PK
		V	7311.0	38.1	6.8	44.9	54(note)	-9.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2454.8	81.0	30.5	111.5	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP

		V	5998.0	43.6	1.9	45.5	54(note)	-8.5	PK
		V	4904.0	39.9	0.4	40.3	54(note)	-13.7	PK
		V	7356.0	38.1	6.6	44.7	54(note)	-9.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	151	V	5757.2	82.1	30.5	112.6	Fundamental	/	PK
		H	511.2	10.4	18.8	29.2	46	-16.8	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	7026.5	39.3	6.6	45.9	54(note)	-8.1	PK
		V	11701.5	39.5	11.8	51.3	54(note)	-2.7	PK
		V	15637.0	36.1	12.2	48.3	54(note)	-5.7	PK
		H	24000.0	59.6	-8.9	50.7	54(note)	-3.3	PK
	159	V	5793.6	81.9	31.2	113.1	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	6992.5	39.8	6.2	46.0	54(note)	-8.0	PK
		V	11684.5	38.4	11.7	50.1	54(note)	-3.9	PK
		V	15586.0	37.2	12.7	49.9	54(note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

The test mode 2

802.11b

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	1	V	2410.5	75.7	35.6	111.3	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	3329.0	59.3	-17.5	41.8	54(note)	-12.2	PK
		V	4824.0	56.1	-14.3	41.8	54(note)	-12.2	PK
		H	7236.0	53.7	-6.1	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	75.2	35.3	110.5	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		H	3329.0	55.8	-17.5	38.3	54(note)	-15.7	PK
		V	4995.0	58.0	-13.8	44.2	54(note)	-9.8	PK
		V	7311.0	52.9	-6.0	46.9	54(note)	-7.1	PK

		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.2	78.9	30.4	109.3	Fundamental	/	PK
		H	511.2	10.0	18.8	28.8	46	-17.2	QP
		H	702.9	8.1	20.9	29.0	46	-17.0	QP
		V	3329.0	58.6	-17.5	41.1	54(note)	-12.9	PK
		V	4924.0	55.4	-14.0	41.4	54(note)	-12.6	PK
		H	7386.0	53.0	-5.6	47.4	54(note)	-6.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2410.3	75.7	30.6	106.3	Fundamental	/	PK
		H	511.2	9.4	18.8	28.2	46	-17.8	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	3329.0	54.8	-17.5	37.3	54(note)	-16.7	PK
		H	4825.0	59.9	-14.3	45.6	54(note)	-8.4	PK
		H	7236.0	53.7	-6.1	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	78.2	30.4	108.6	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		H	3329.0	54.9	-17.5	37.4	54(note)	-16.6	PK
		H	4876.0	59.4	-14.0	45.4	54(note)	-8.6	PK
		H	7311.0	53.0	-6.0	47.0	54(note)	-7.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2461.6	77.5	30.4	107.9	Fundamental	/	PK
		H	511.2	9.7	18.8	28.5	46	-17.5	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		H	3329.0	54.8	-17.5	37.3	54(note)	-16.7	PK
		H	4927.0	60.8	-14.0	46.8	54(note)	-7.2	PK
		V	7386.0	53.2	-5.6	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11g

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	1	V	2411.9	81.0	30.6	111.6	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	3329.0	57.8	-17.5	40.3	54(note)	-13.7	PK
		H	4824.0	54.9	-14.3	40.6	54(note)	-13.4	PK
		H	7236.0	53.7	-6.1	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	83.5	30.4	113.9	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	3329.0	58.4	-17.5	40.9	54(note)	-13.1	PK
		V	4995.0	57.9	-13.8	44.1	54(note)	-9.9	PK
		H	7311.0	52.6	-6.0	46.6	54(note)	-7.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	81.5	30.4	111.9	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	3329.0	58.8	-17.5	41.3	54(note)	-12.7	PK
		H	4924.0	54.7	-14.0	40.7	54(note)	-13.3	PK
		H	7386.0	54.4	-5.6	48.8	54(note)	-5.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2411.8	82.7	30.6	113.3	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.1	20.9	29.0	46	-17.0	QP
		V	3329.0	54.2	-17.5	36.7	54(note)	-17.3	PK
		H	4824.0	56.6	-14.3	42.3	54(note)	-11.7	PK
		V	7236.0	53.2	-6.1	47.1	54(note)	-6.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	84.2	30.3	114.5	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	3329.0	54.0	-17.5	36.5	54(note)	-17.5	PK
		V	4874.0	54.8	-14.0	40.8	54(note)	-13.2	PK

		V	7307.0	54.5	-6.0	48.5	54(note)	-5.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.1	81.1	30.4	111.5	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	3329.0	54.2	-17.5	36.7	54(note)	-17.3	PK
		V	4995.0	56.7	-13.8	42.9	54(note)	-11.1	PK
		H	7386.0	53.1	-5.6	47.5	54(note)	-6.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

802.11a

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain 100	149	V	5738.5	76.2	30.5	106.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	7026.5	39.3	6.6	45.9	54(note)	-8.1	PK
		V	11650.5	37.2	11.8	49.0	54(note)	-5.0	PK
		V	15790.0	38.0	11.5	49.5	54(note)	-4.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	75.1	31.2	106.3	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.6	20.9	29.5	46	-16.5	QP
		V	7043.5	39.5	6.6	46.1	54(note)	-7.9	PK
		V	11183.0	38.2	12.2	50.4	54(note)	-3.6	PK
		V	15713.5	37.3	12.1	49.4	54(note)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	78.4	30.3	108.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	7213.5	41.2	7.2	48.4	54(note)	-5.6	PK
		V	11693.0	36.5	11.7	48.2	54(note)	-5.8	PK
		V	15577.5	38.0	12.5	50.5	54(note)	-3.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	149	V	5738.5	78.3	30.5	108.8	Fundamental	/	PK
		H	511.2	9.7	18.8	28.5	46	-17.5	QP

		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7026.5	39.3	6.6	45.9	54(note)	-8.1	PK
		V	11650.5	36.2	11.8	48.0	54(note)	-6.0	PK
		V	15790.0	37.3	11.5	48.8	54(note)	-5.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	157	V	5777.5	77.8	31.2	109.0	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	7043.5	37.9	6.6	44.5	54(note)	-9.5	PK
		V	11183.0	38.6	12.2	50.8	54(note)	-3.2	PK
		V	15713.5	37.6	12.1	49.7	54(note)	-4.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	165	V	5818.7	79.3	30.3	109.6	Fundamental	/	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	7213.5	40.1	7.2	47.3	54(note)	-6.7	PK
		V	11693.0	37.5	11.7	49.2	54(note)	-4.8	PK
		V	15577.5	37.2	12.5	49.7	54(note)	-4.3	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

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 100	1	V	2412.0	81.1	30.6	111.7	Fundamental	/	PK
		H	511.2	10.6	18.8	29.4	46	-16.6	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		H	3329.0	58.9	-17.5	41.4	54(note)	-12.6	PK
		V	4995.0	56.9	-13.8	43.1	54(note)	-10.9	PK
		H	7236.0	54.2	-6.1	48.1	54(note)	-5.9	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	84.4	30.5	114.9	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		H	3329.0	58.8	-17.5	41.3	54(note)	-12.7	PK
		V	4995.0	57.3	-13.8	43.5	54(note)	-10.5	PK
		H	7264.5	55.2	-6.2	49.0	54(note)	-5.0	PK

		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.2	81.3	30.4	111.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		H	3329.0	59.5	-17.5	42.0	54(note)	-12.0	PK
		H	4924.0	54.6	-14.0	40.6	54(note)	-13.4	PK
		V	7386.0	53.1	-5.6	47.5	54(note)	-6.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	1	V	2411.9	80.6	30.6	111.2	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		H	3329.0	54.1	-17.5	36.6	54(note)	-17.4	PK
		H	4824.0	56.9	-14.3	42.6	54(note)	-11.4	PK
		H	7236.0	52.9	-6.1	46.8	54(note)	-7.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	82.2	30.5	112.7	Fundamental	/	PK
		H	511.2	9.5	18.8	28.3	46	-17.7	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	3329.0	53.5	-17.5	36.0	54(note)	-18.0	PK
		V	4874.0	55.6	-14.0	41.6	54(note)	-12.4	PK
		H	7311.0	52.6	-6.0	46.6	54(note)	-7.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2461.9	80.0	30.4	110.4	Fundamental	/	PK
		H	511.2	10.4	18.8	29.2	46	-16.8	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	3329.0	54.1	-17.5	36.6	54(note)	-17.4	PK
		H	4924.0	55.7	-14.0	41.7	54(note)	-12.3	PK
		H	7386.0	53.5	-5.6	47.9	54(note)	-6.1	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 101	1	V	2411.5	81.7	30.6	112.3	Fundamental	/	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	3329.0	54.7	-17.5	37.2	54(note)	-16.8	PK
		H	4824.0	55.8	-14.3	41.5	54(note)	-12.5	PK
		H	7236.0	52.7	-6.1	46.6	54(note)	-7.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	82.2	30.5	112.7	Fundamental	/	PK

		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		H	3329.0	54.2	-17.5	36.7	54(note)	-17.3	PK
		H	4874.0	55.9	-14.0	41.9	54(note)	-12.1	PK
		H	7311.0	54.4	-6.0	48.4	54(note)	-5.6	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	11	V	2462.2	82.3	30.4	112.7	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		V	3329.0	54.4	-17.5	36.9	54(note)	-17.1	PK
		V	4924.0	55.0	-14.0	41.0	54(note)	-13.0	PK
		V	7386.0	53.2	-5.6	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

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 100	3	V	2425.5	77.6	30.6	108.2	Fundamental	/	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	3329.0	59.0	-17.5	41.5	54(note)	-12.5	PK
		H	4844.0	54.6	-14.2	40.4	54(note)	-13.6	PK
		H	7266.0	53.4	-6.2	47.2	54(note)	-6.8	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	79.3	30.4	109.7	Fundamental	/	PK
		H	511.2	9.9	18.8	28.7	46	-17.3	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		V	3329.0	59.7	-17.5	42.2	54(note)	-11.8	PK
		H	4874.0	54.2	-14.0	40.2	54(note)	-13.8	PK
		H	7311.0	53.5	-6.0	47.5	54(note)	-6.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2453.5	77.4	30.4	107.8	Fundamental	107.8	PK
		H	511.2	10.1	18.8	28.9	46	-17.1	QP
		H	702.9	8.3	20.9	29.2	46	-16.8	QP
		V	3329.0	57.8	-17.5	40.3	54(note)	-13.7	PK
		V	4986.5	59.4	-13.8	45.6	54(note)	-8.4	PK

		H	7356.0	53.5	-5.9	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 001	3	V	2416.7	77.3	30.6	107.9	Fundamental	/	PK
		H	511.2	10.2	18.8	29.0	46	-17.0	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		V	3329.0	55.0	-17.5	37.5	54(note)	-16.5	PK
		H	4844.0	55.4	-14.2	41.2	54(note)	-12.8	PK
		V	7311.0	52.5	-6.0	46.5	54(note)	-7.5	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	80.3	30.6	110.9	Fundamental	/	PK
		H	511.2	9.2	18.8	28.0	46	-18.0	QP
		H	702.9	8.5	20.9	29.4	46	-16.6	QP
		H	3329.0	55.4	-17.5	37.9	54(note)	-16.1	PK
		H	4904.0	55.4	-13.9	41.5	54(note)	-12.5	PK
		V	7311.0	53.6	-6.0	47.6	54(note)	-6.4	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	9	V	2453.2	76.1	30.5	106.6	Fundamental	106.6	PK
		H	511.2	10.3	18.8	29.1	46	-16.9	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		H	3329.0	53.8	-17.5	36.3	54(note)	-17.7	PK
		V	4904.0	55.1	-13.9	41.2	54(note)	-12.8	PK
		V	7356.0	53.2	-5.9	47.3	54(note)	-6.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
Chain 101	3	V	2420.6	76.9	30.6	107.5	Fundamental	/	PK
		H	511.2	9.6	18.8	28.4	46	-17.6	QP
		H	702.9	8.6	20.9	29.5	46	-16.5	QP
		V	3329.0	54.3	-17.5	36.8	54(note)	-17.2	PK
		H	4844.0	55.1	-14.2	40.9	54(note)	-13.1	PK
		V	7266.0	53.5	-6.2	47.3	54(note)	-6.7	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK
	6	V	2437.2	79.2	30.5	109.7	Fundamental	/	PK
		H	511.2	9.6	18.8	28.4	46	-17.6	QP
		H	702.9	8.2	20.9	29.1	46	-16.9	QP
		H	3329.0	54.8	-17.5	37.3	54(note)	-16.7	PK
		H	4874.0	56.1	-14.0	42.1	54(note)	-11.9	PK
		H	7311.0	54.0	-6.0	48.0	54(note)	-6.0	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

	9	V	2454.9	78.0	30.5	108.5	Fundamental	108.5	PK
		H	511.2	9.8	18.8	28.6	46	-17.4	QP
		H	702.9	8.4	20.9	29.3	46	-16.7	QP
		H	3329.0	53.7	-17.5	36.2	54(note)	-17.8	PK
		H	4904.0	54.9	-13.9	41.0	54(note)	-13.0	PK
		H	7356.0	52.7	-5.9	46.8	54(note)	-7.2	PK
		H	24000.0	59.1	-8.9	50.2	54(note)	-3.8	PK

Note 1: 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

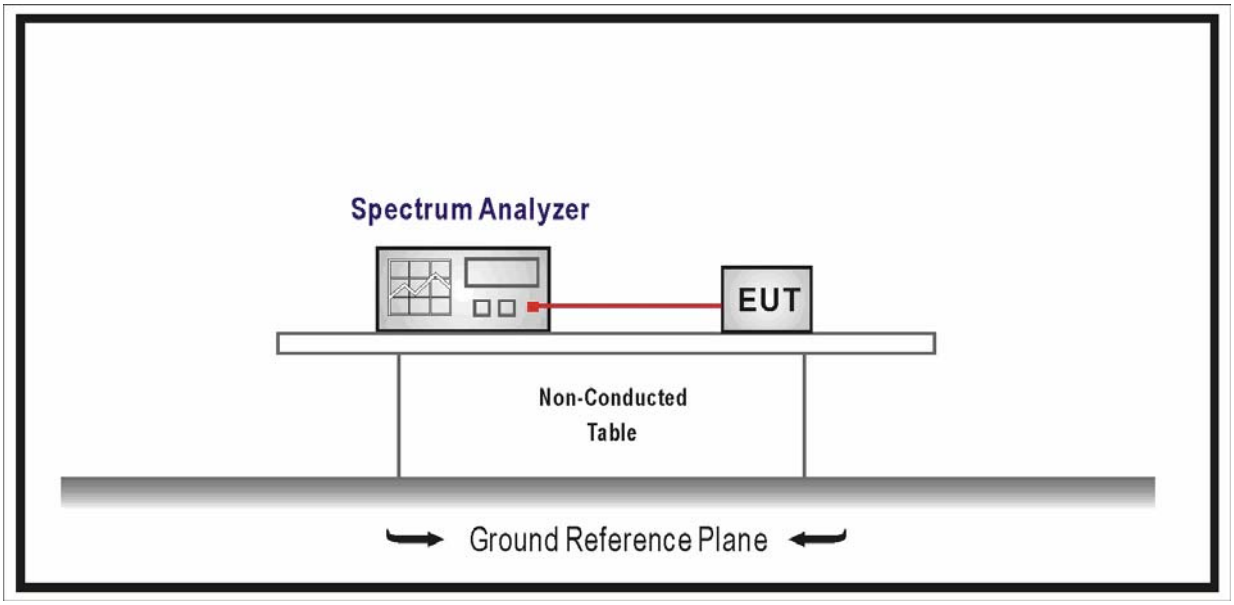
5.1. Test Equipment

RF Antenna Conducted Spurious / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2010.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2010.05.04

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 DTS test procedure of ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

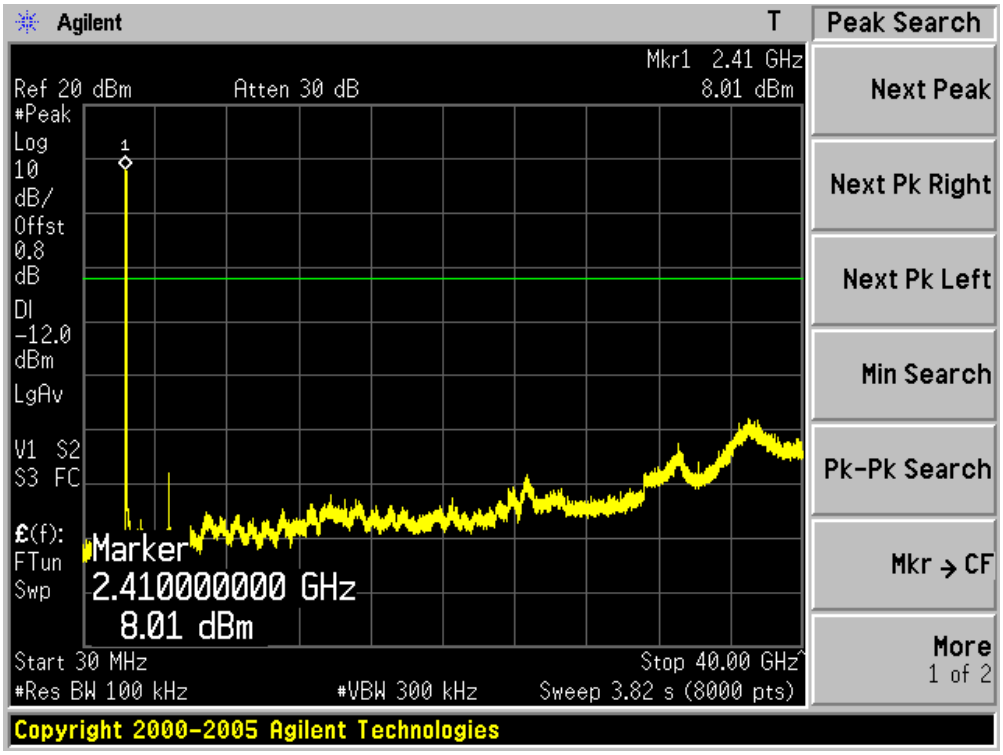
5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

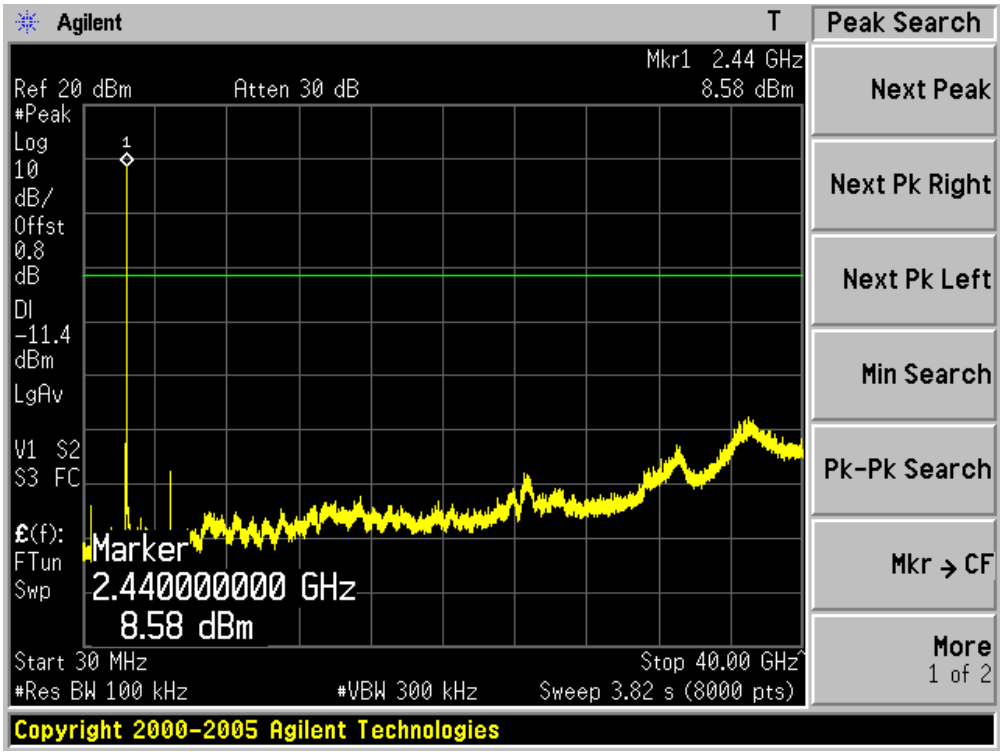
5.6. Test Result

Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 100)

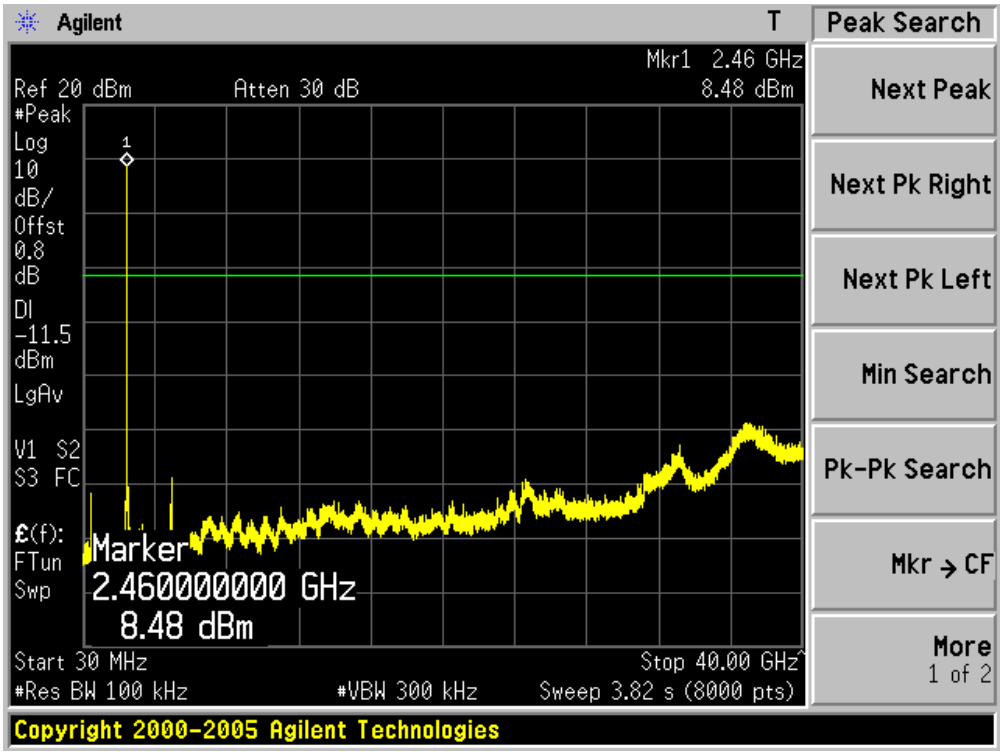
Channel 01 (2412MHz)



Channel 06 (2437MHz)

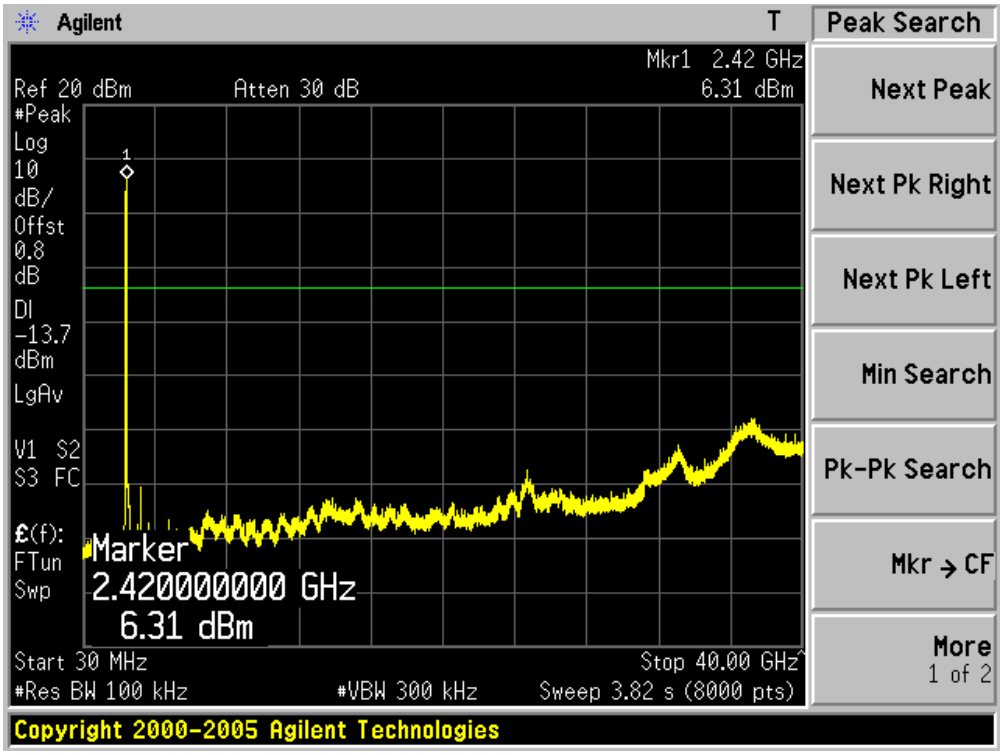


Channel 11 (2462MHz)

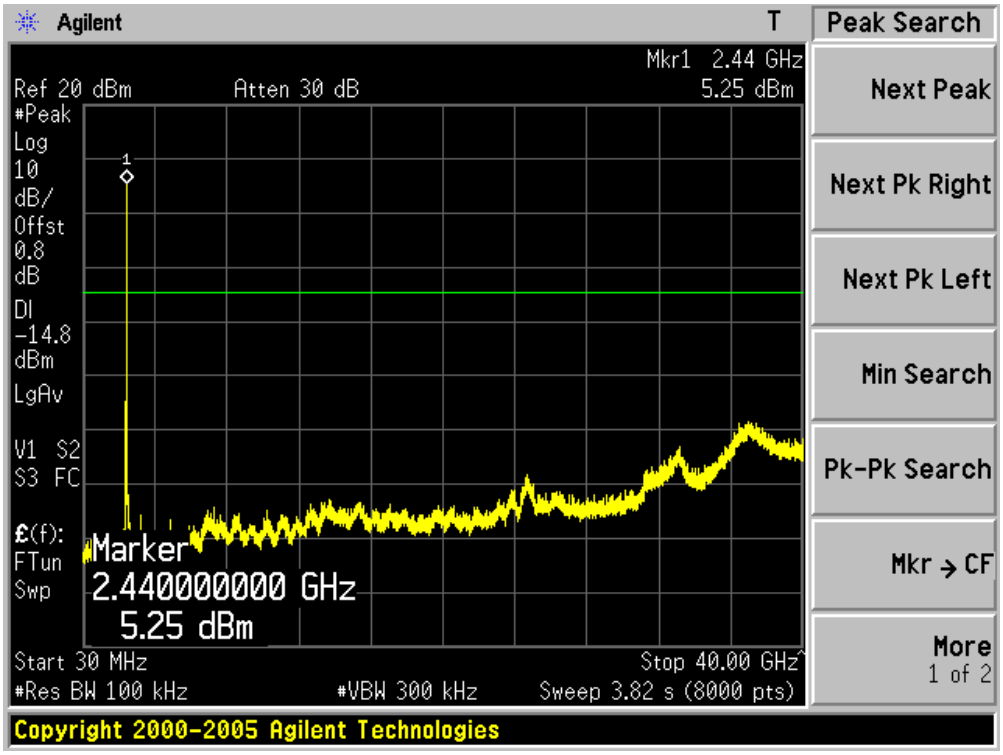


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 100)

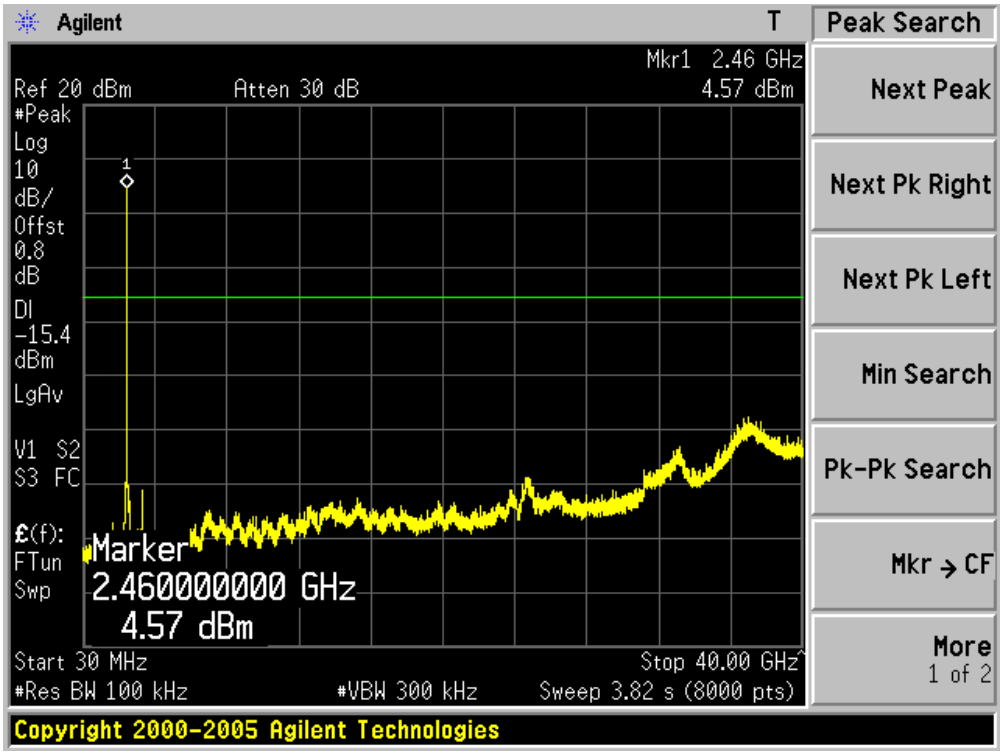
Channel 01 (2412MHz)



Channel 06 (2437MHz)

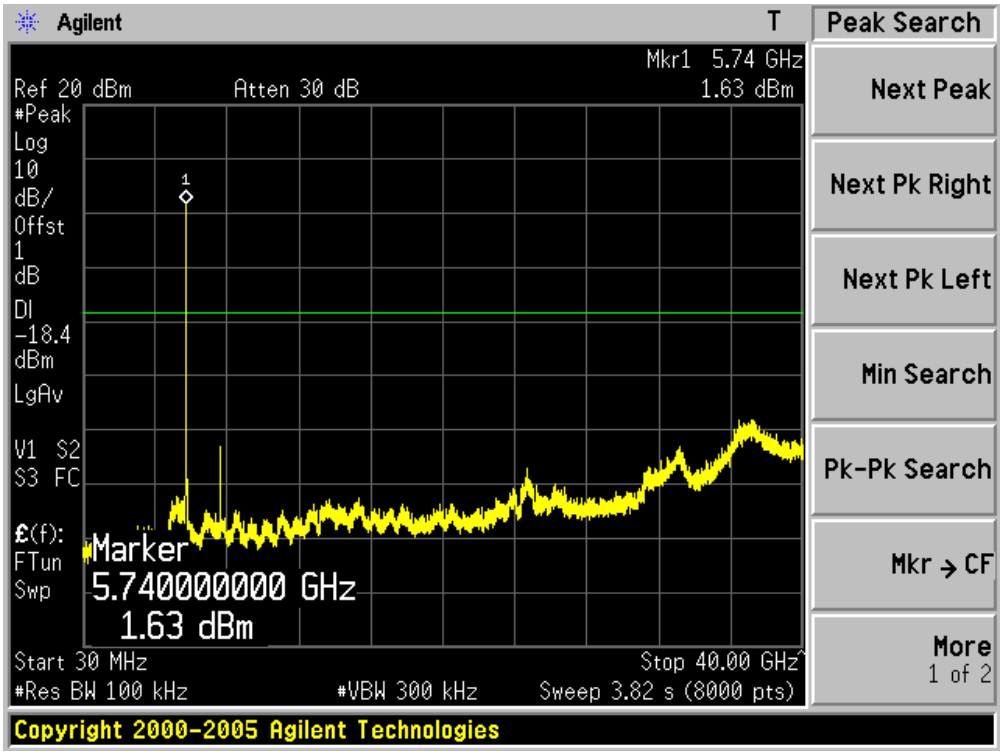


Channel 11 (2462MHz)

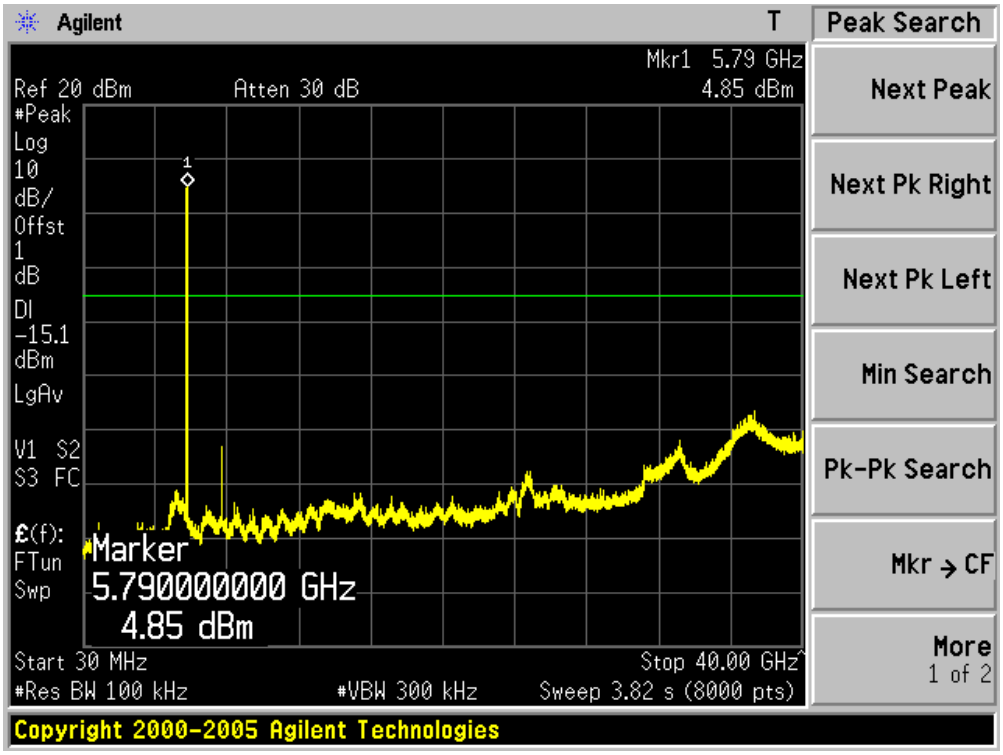


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 100)

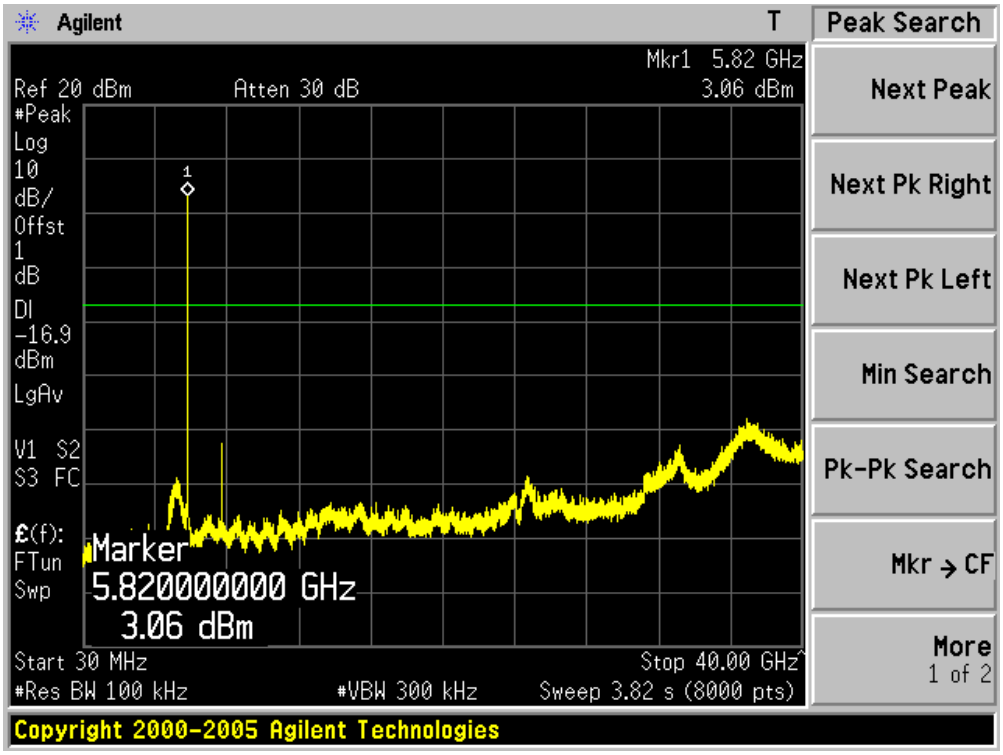
Channel 149 (5745MHz)



Channel 157 (5785MHz)

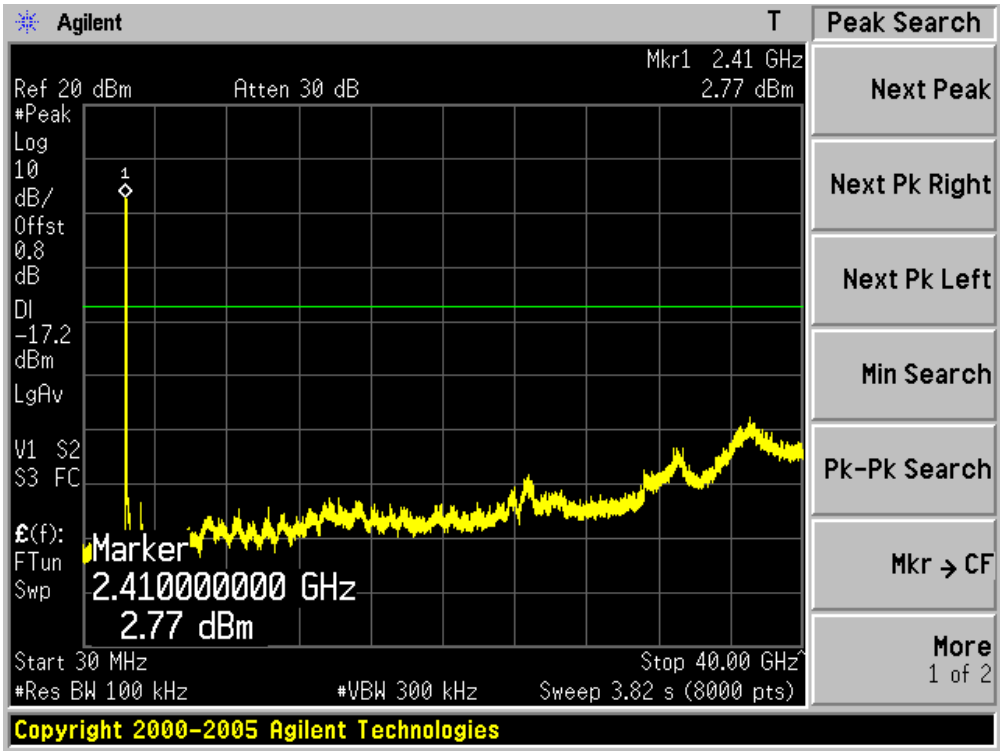


Channel 165 (5825MHz)

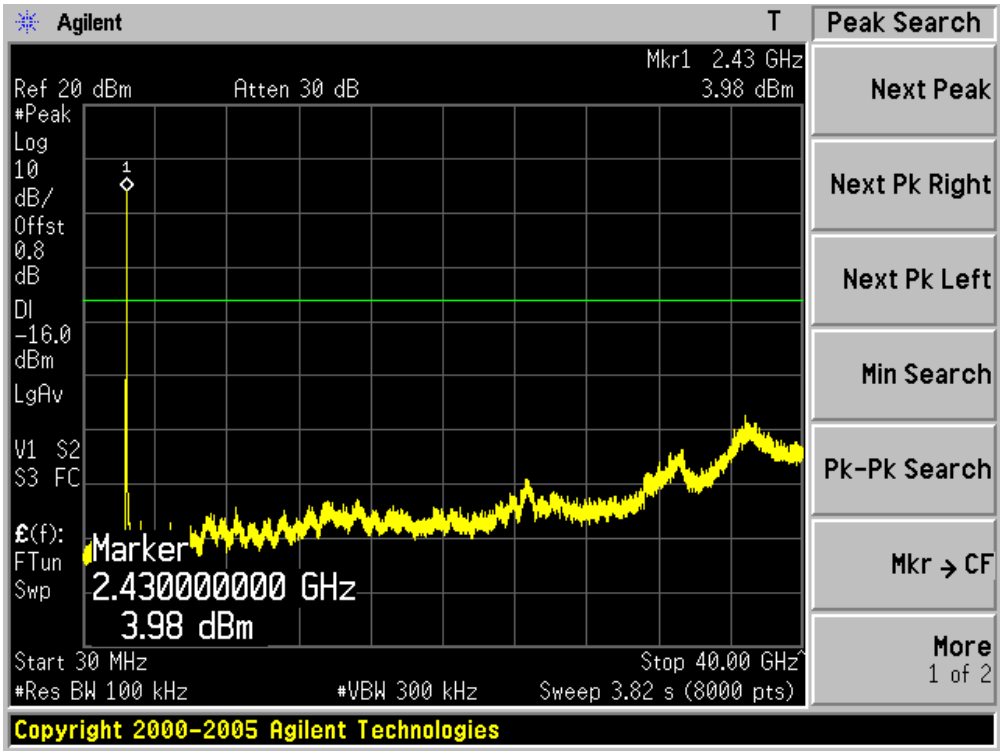


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz)(Chain 100)

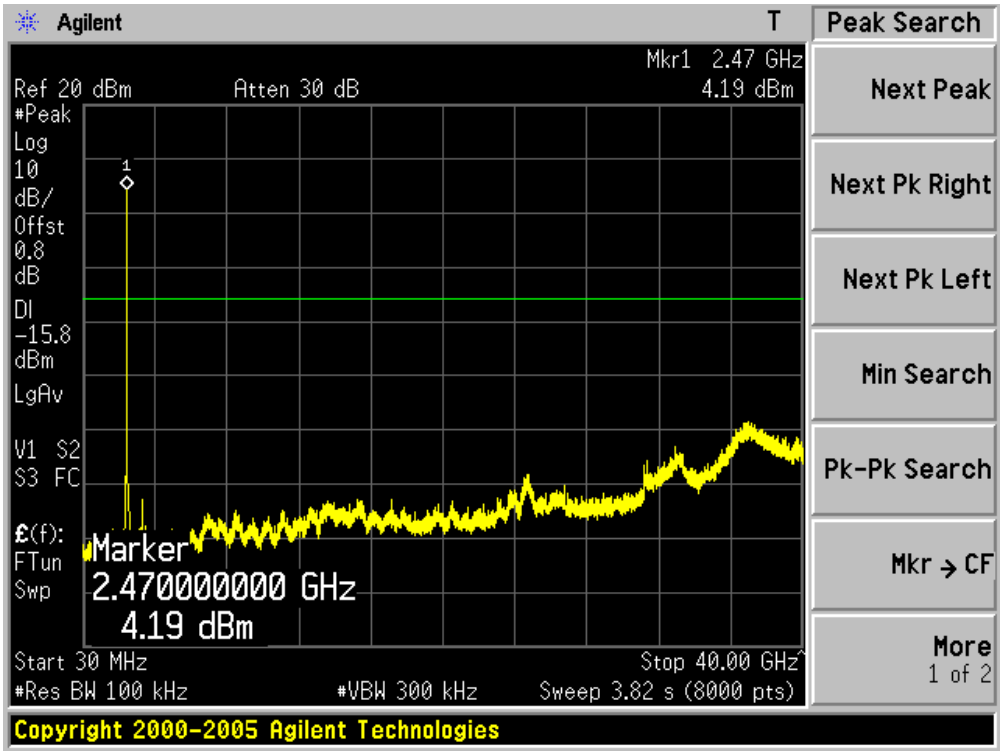
Channel 01 (2412MHz)



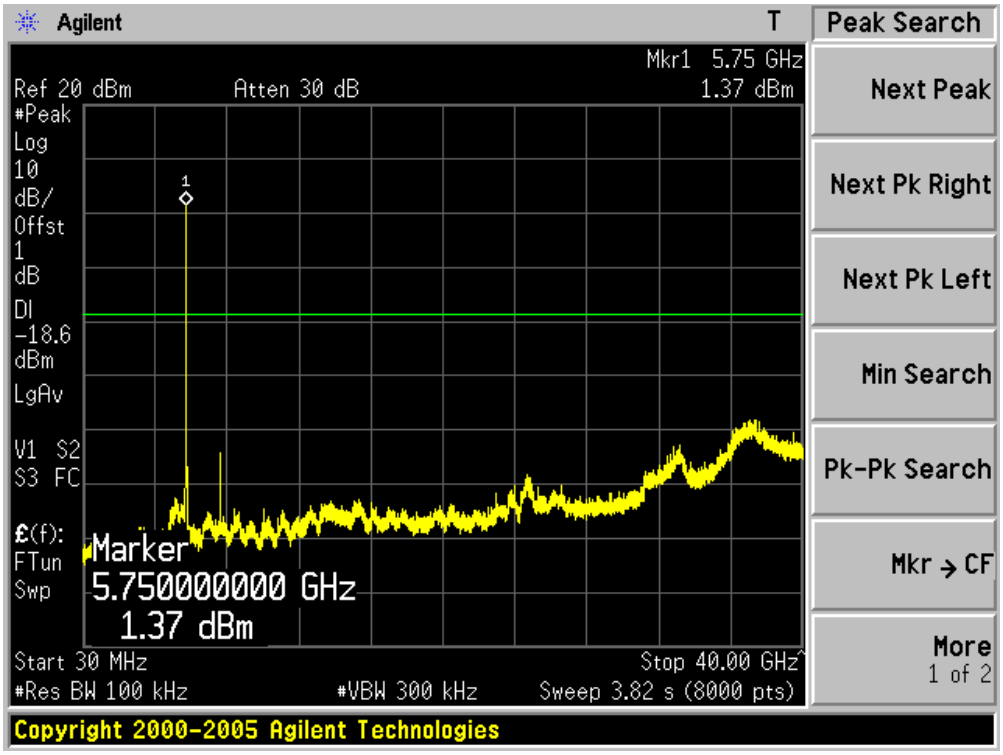
Channel 06 (2437MHz)



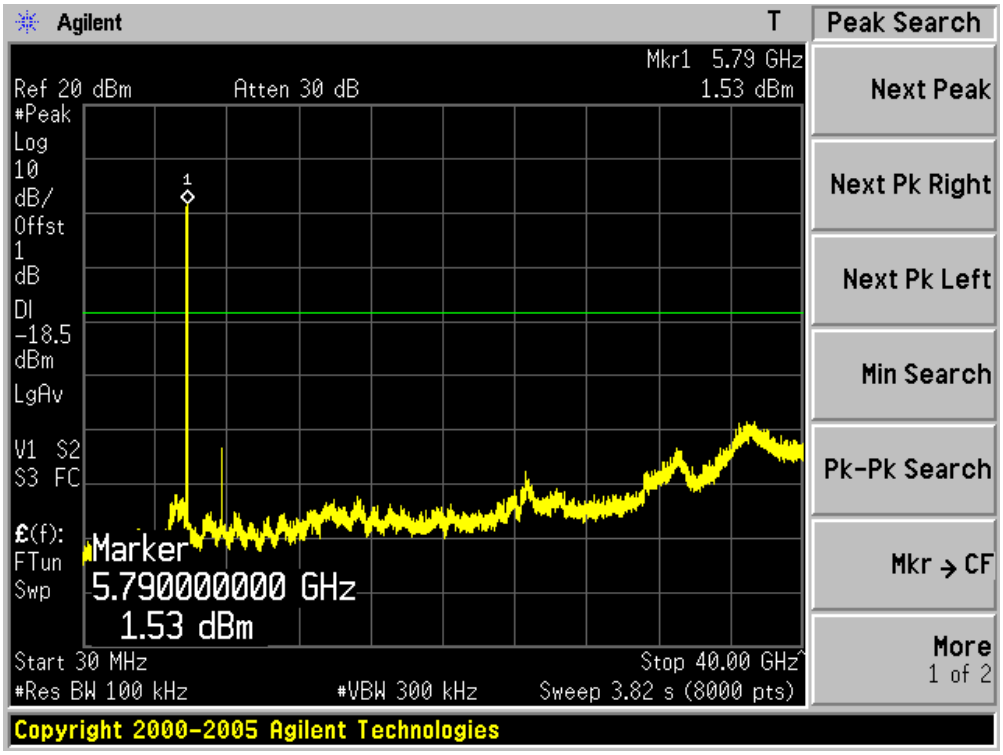
Channel 11 (2462MHz)



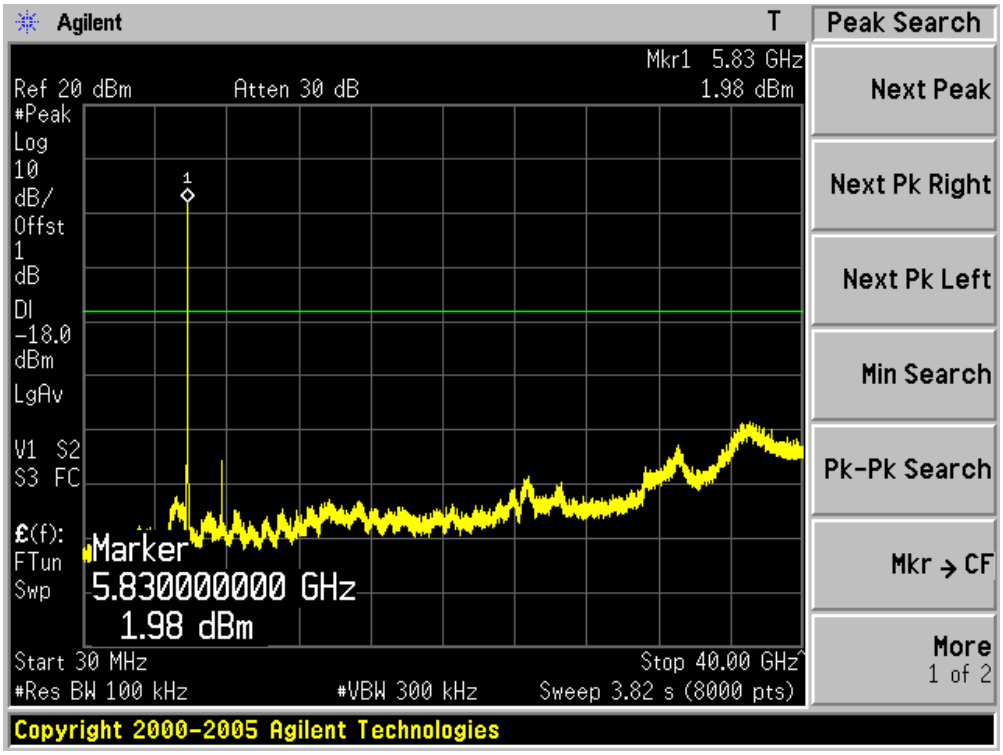
Channel 149 (5745MHz)



Channel 157 (5785MHz)

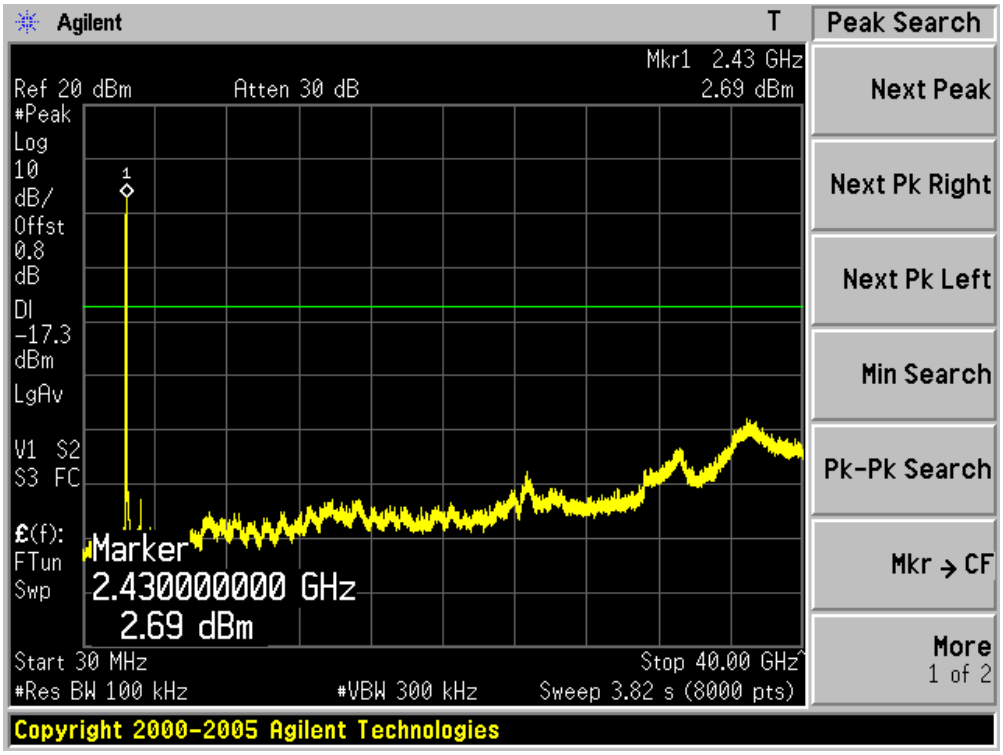


Channel 165 (5825MHz)

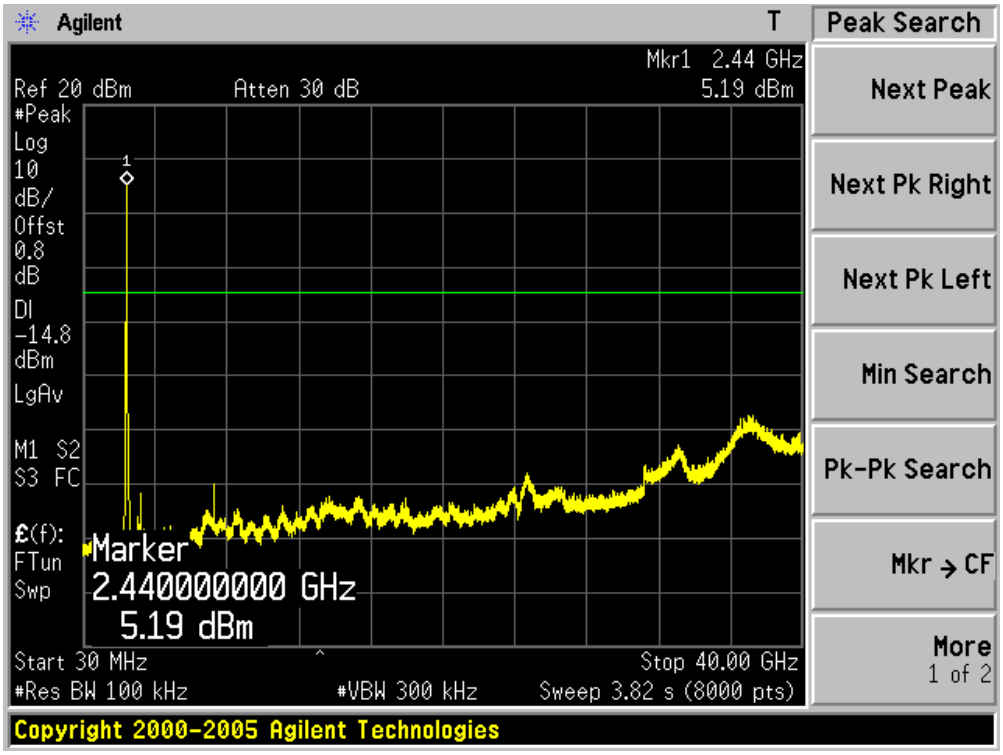


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 100)

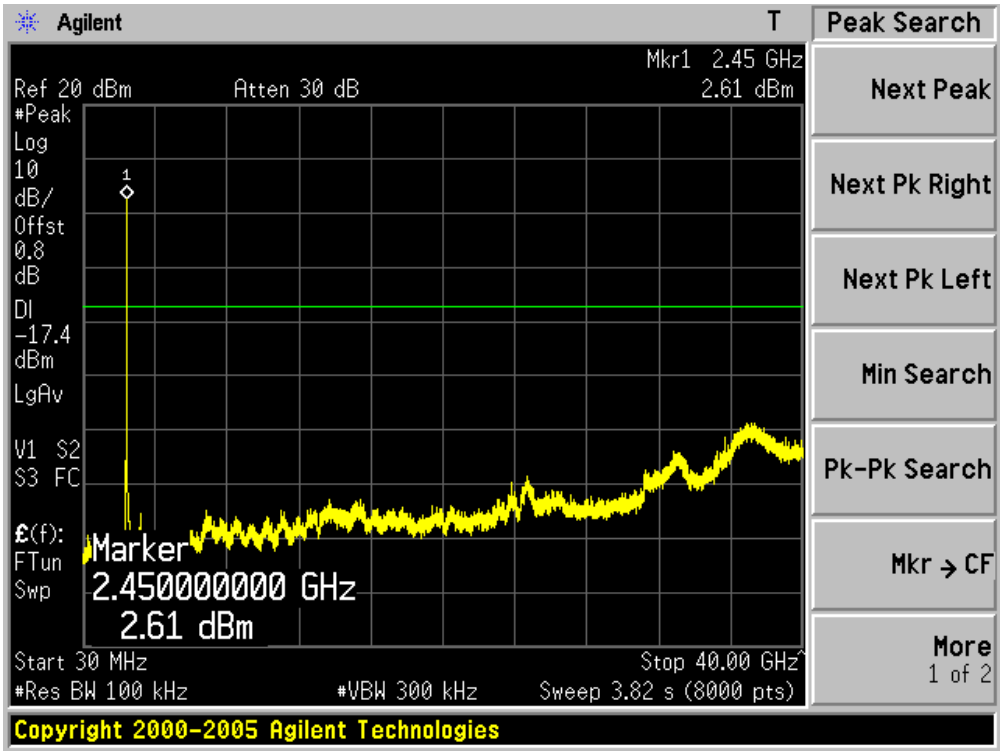
Channel 03 (2422MHz)



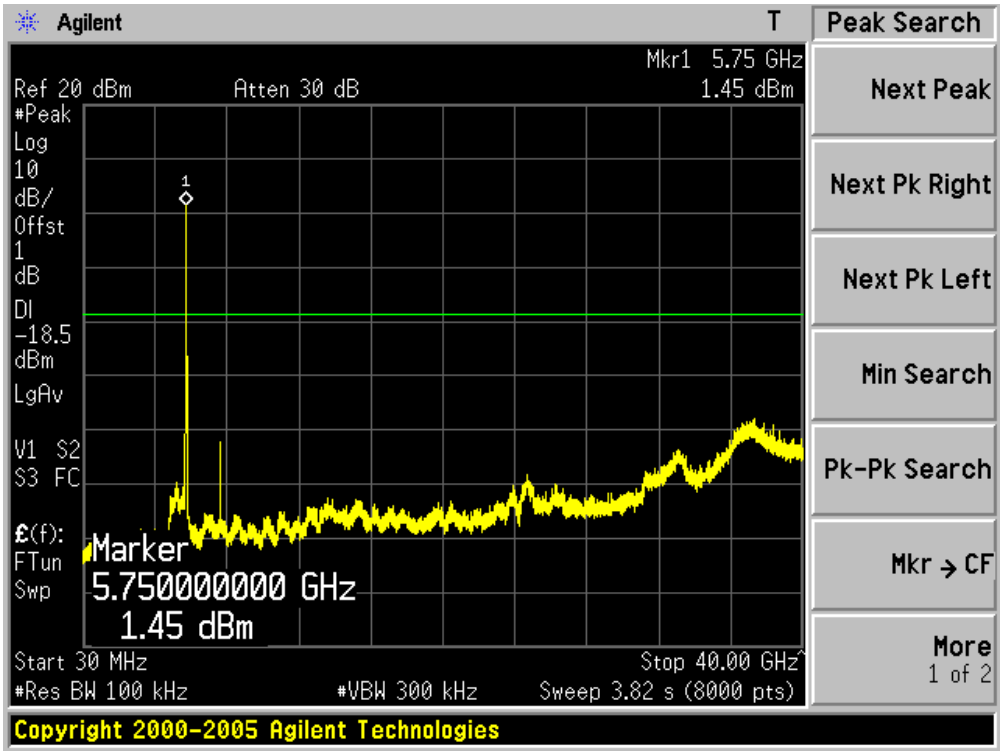
Channel 06 (2437MHz)



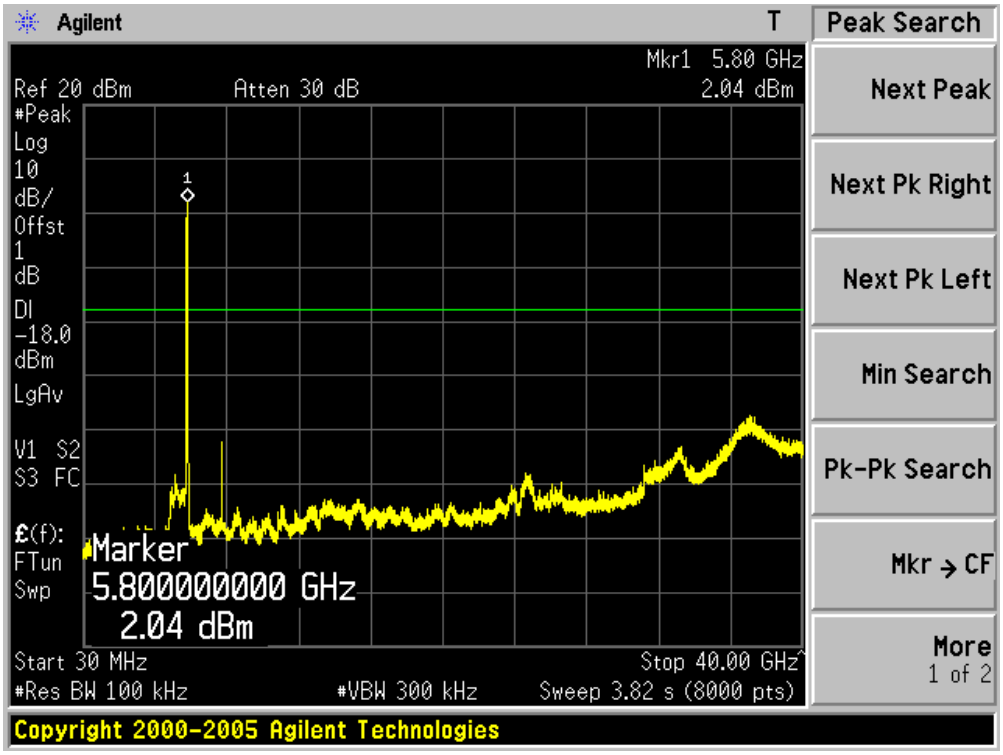
Channel 09 (2452MHz)



Channel 151 (5755MHz)

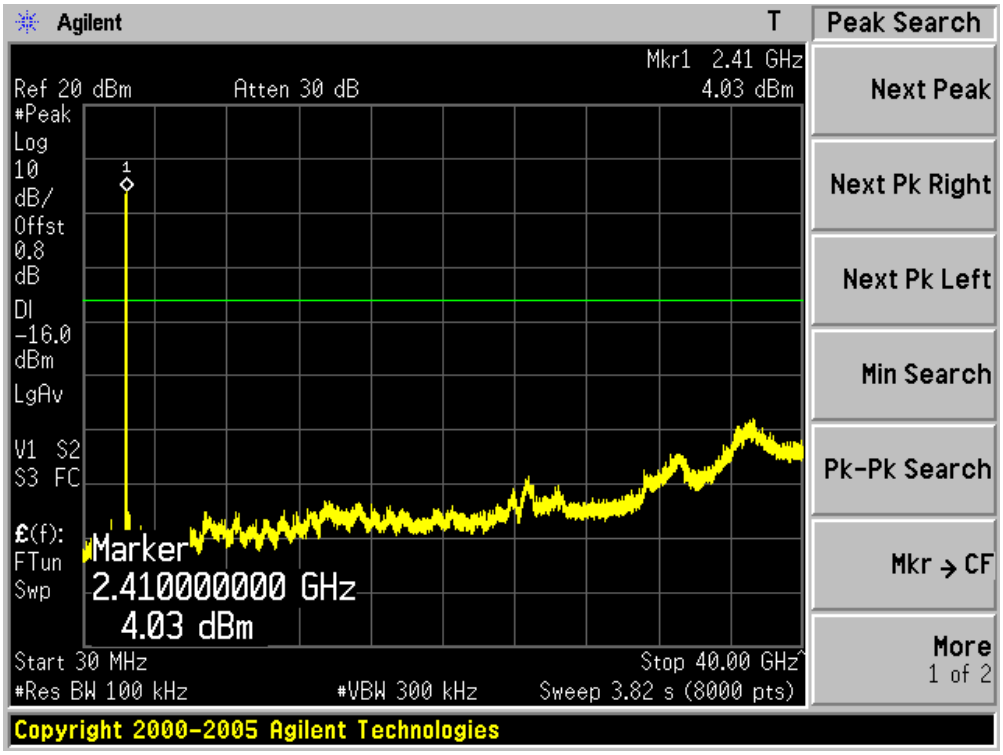


Channel 159 (5795MHz)

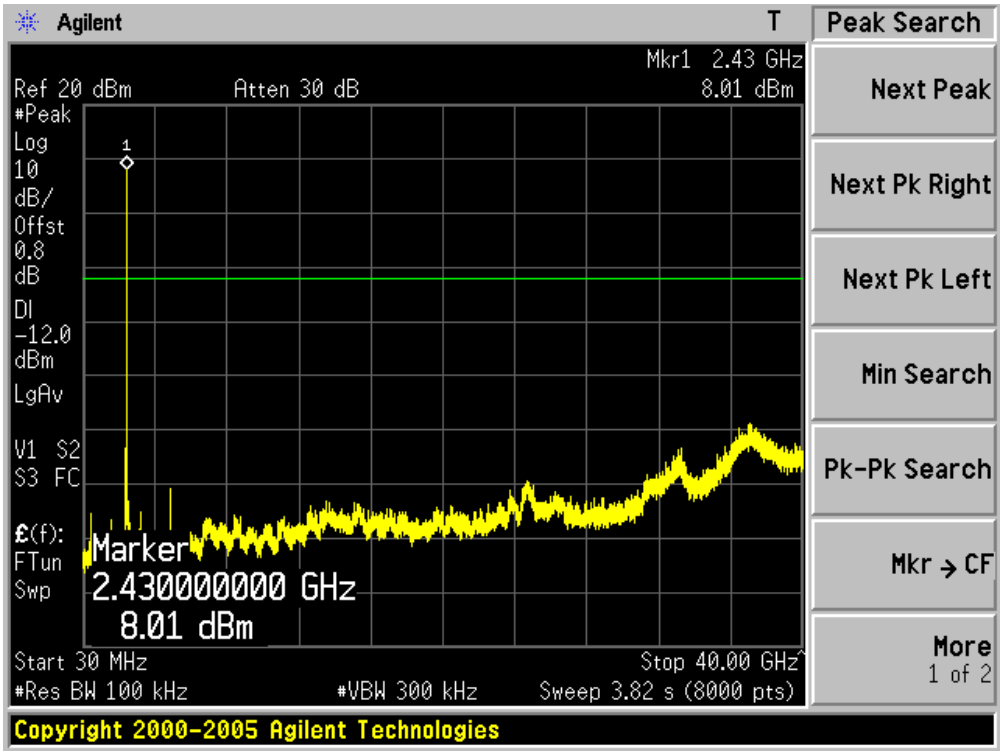


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 001)

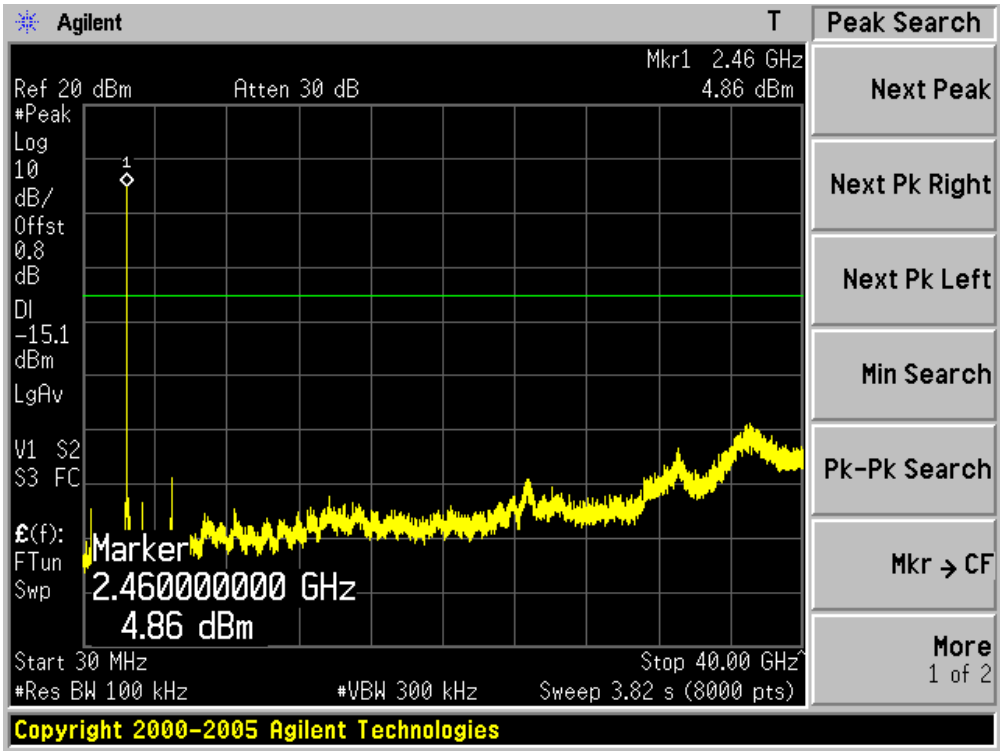
Channel 01 (2412MHz)



Channel 06 (2437MHz)

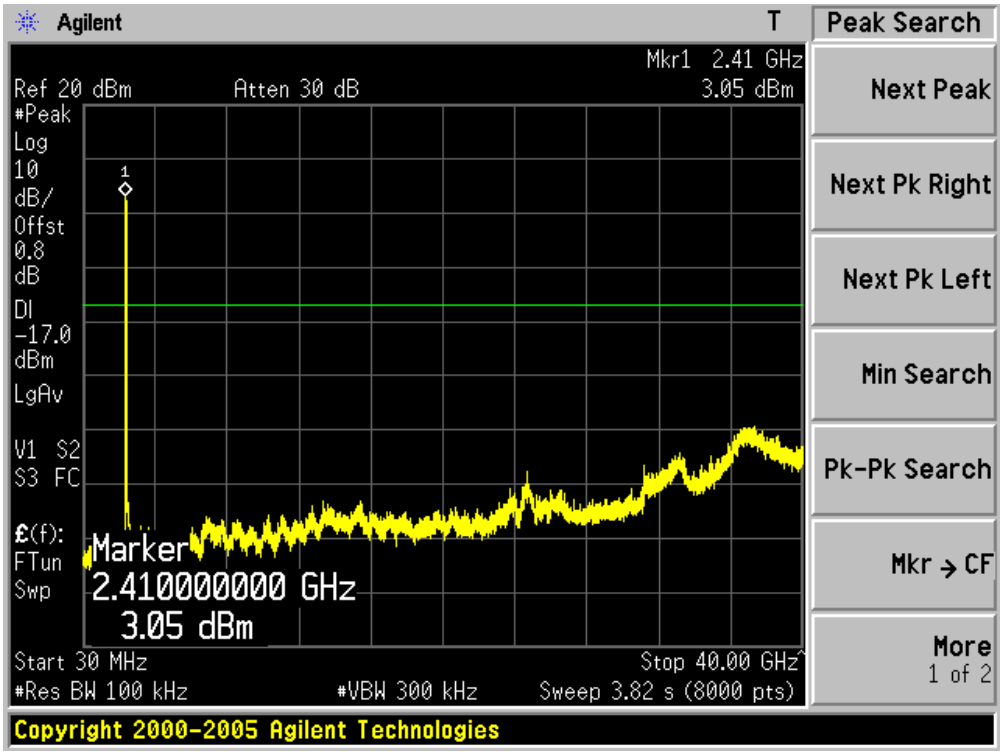


Channel 11 (2462MHz)

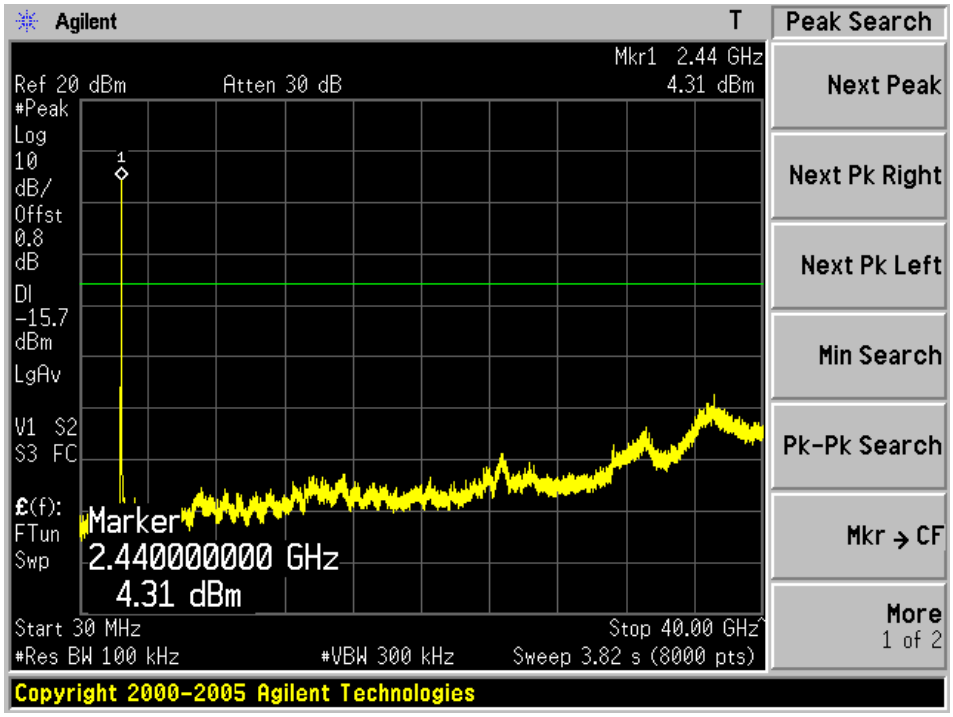


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 001)

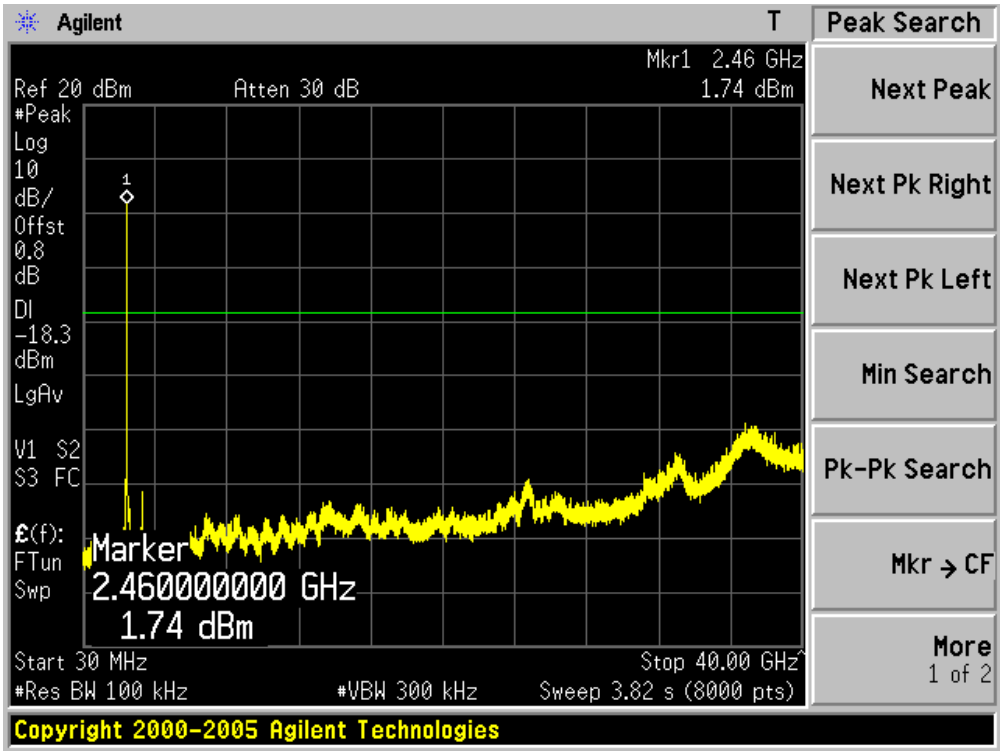
Channel 01 (2412MHz)



Channel 06 (2437MHz)

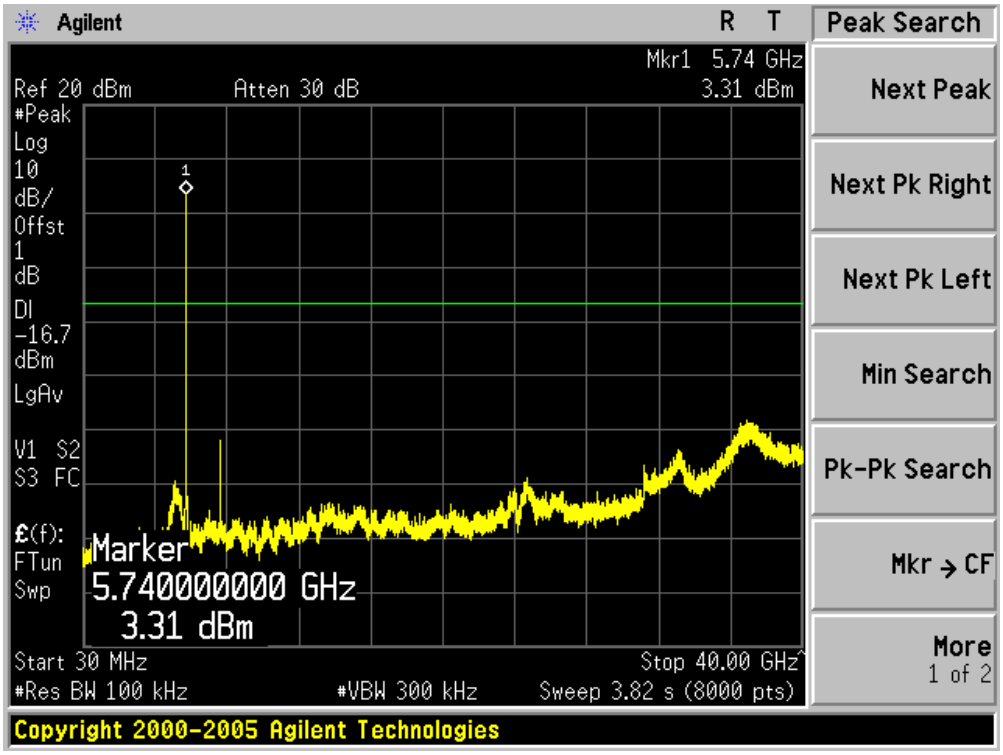


Channel 11 (2462MHz)

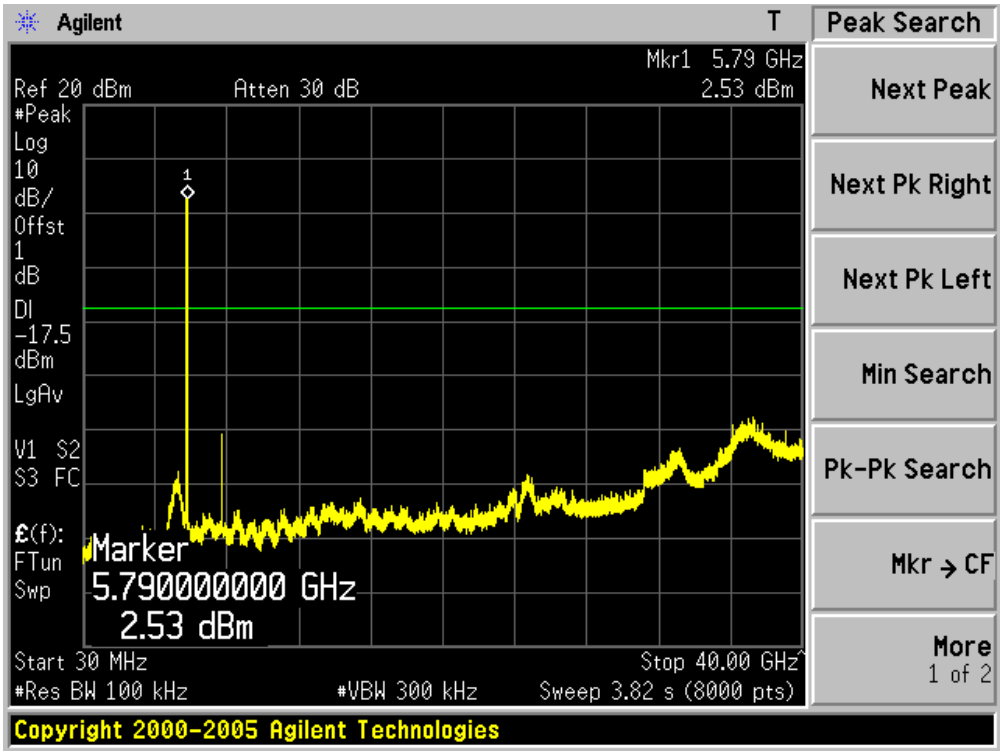


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 001)

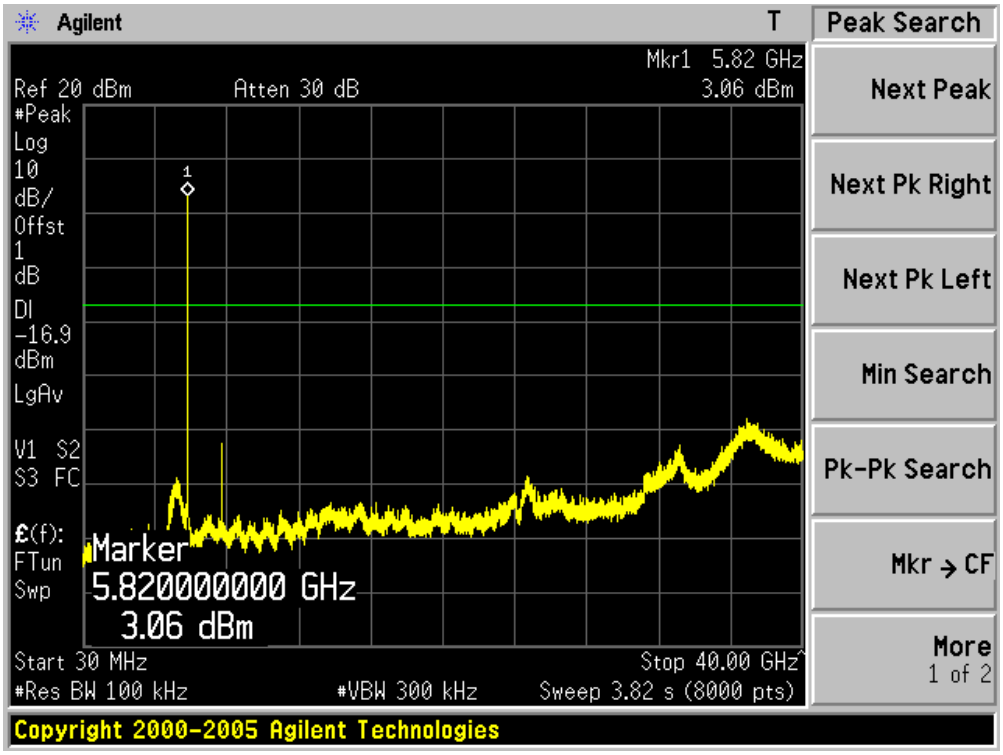
Channel 149 (5745MHz)



Channel 157 (5785MHz)

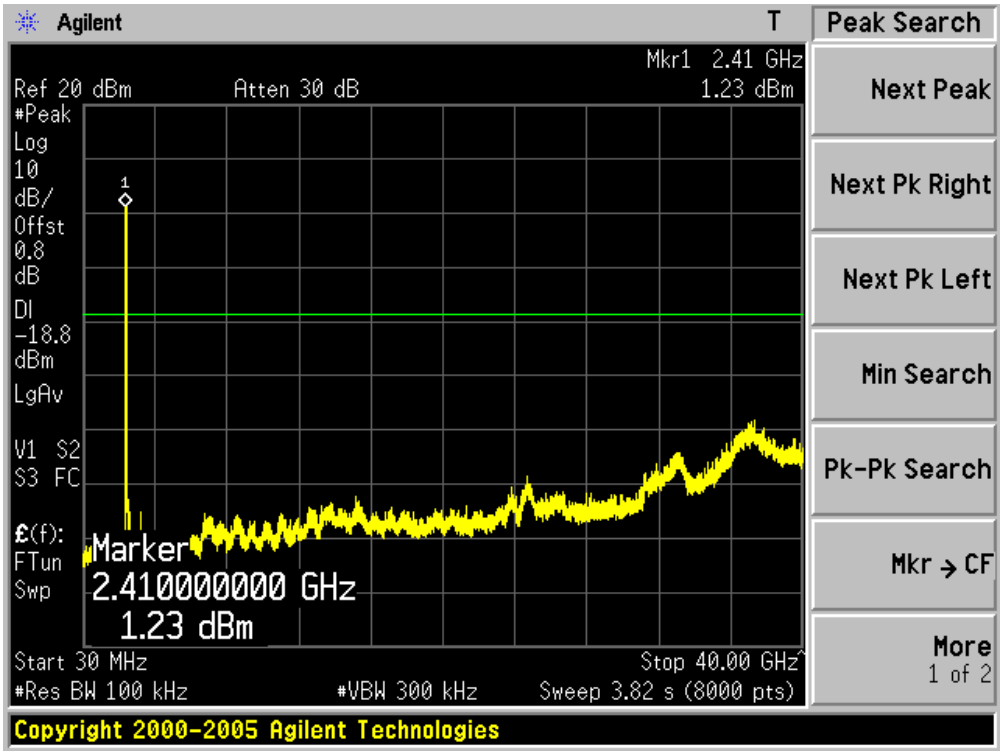


Channel 165 (5825MHz)

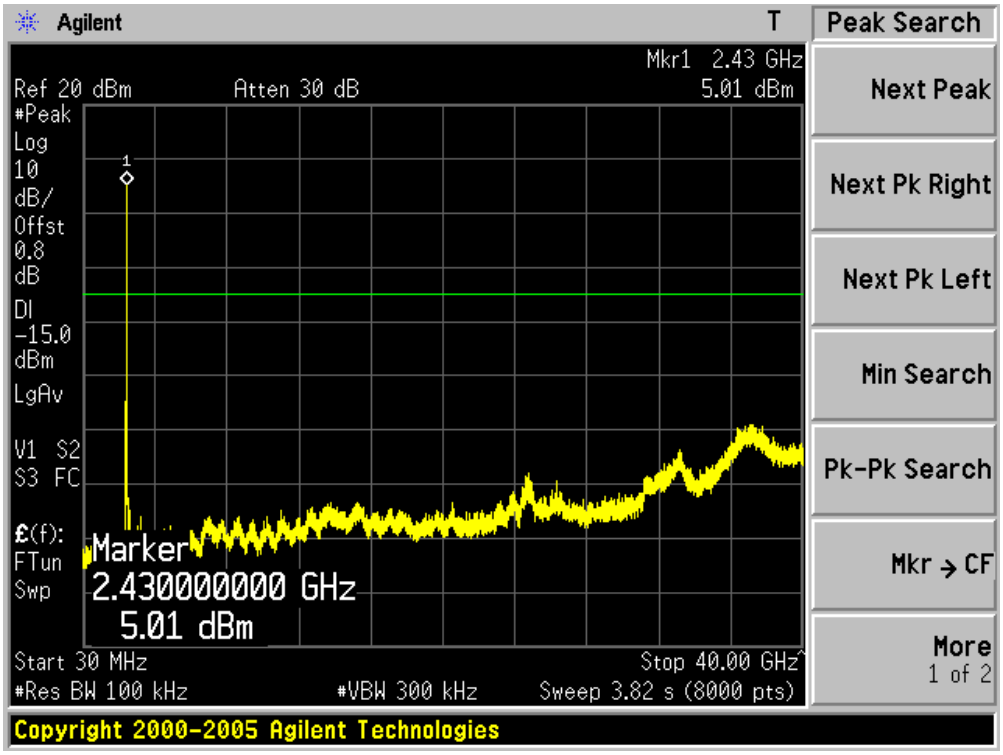


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 001)

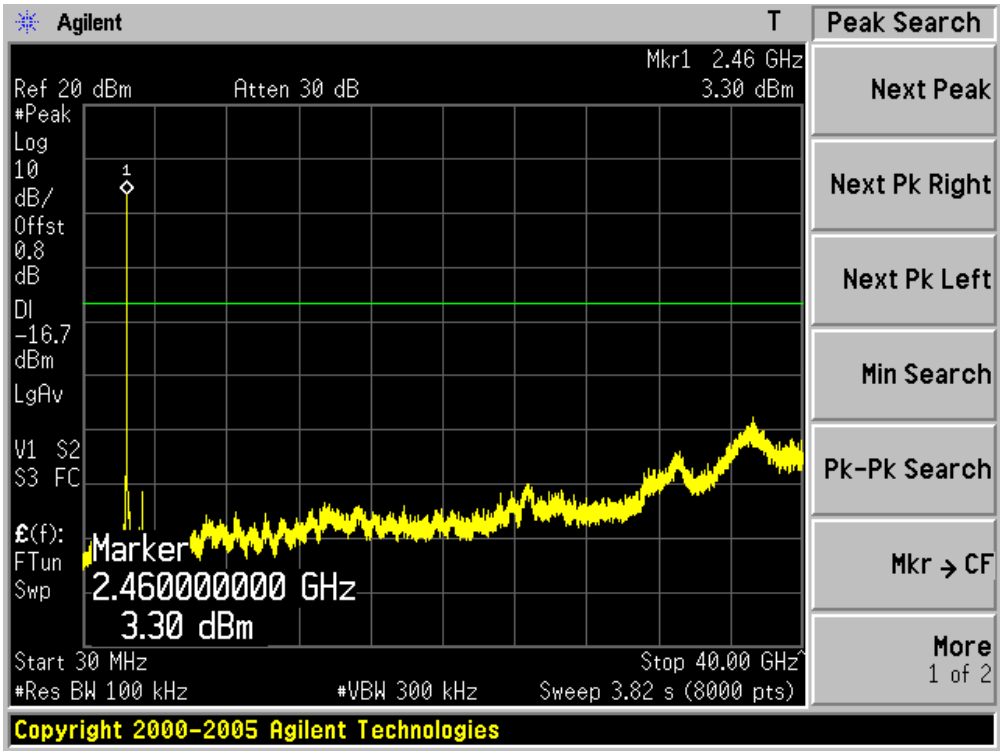
Channel 01 (2412MHz)



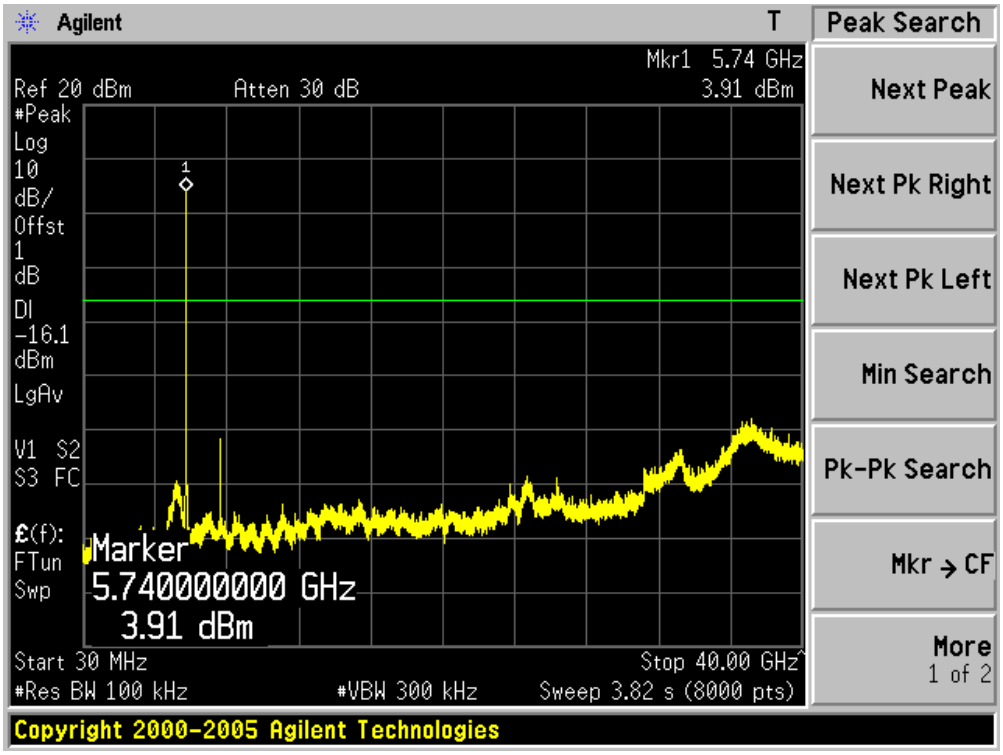
Channel 06 (2437MHz)



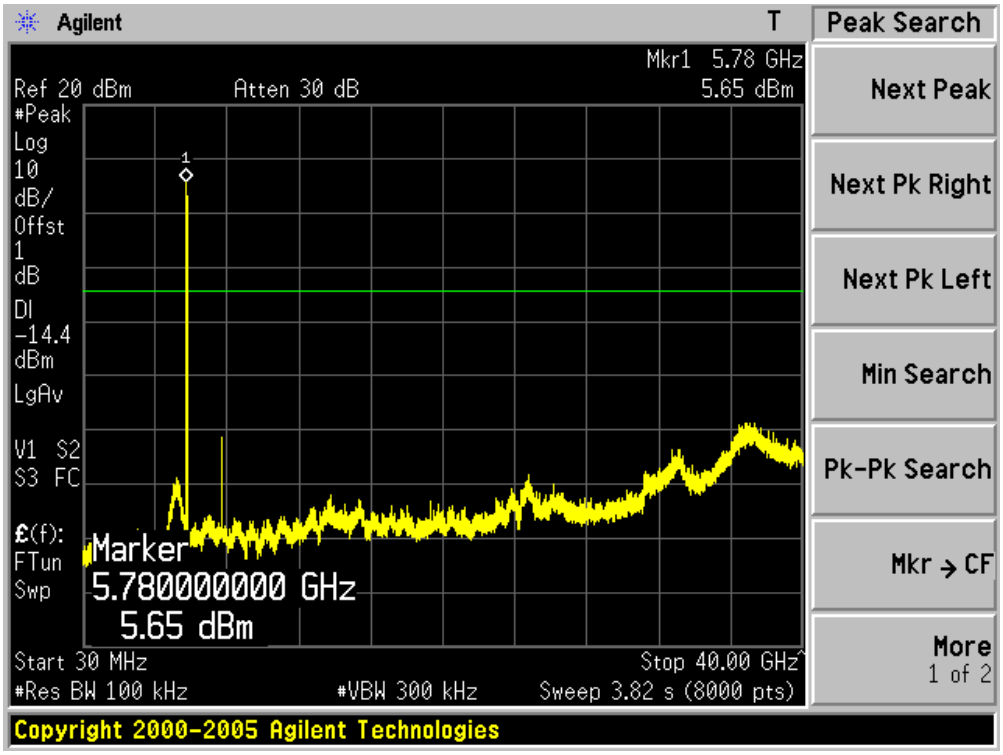
Channel 11 (2462MHz)



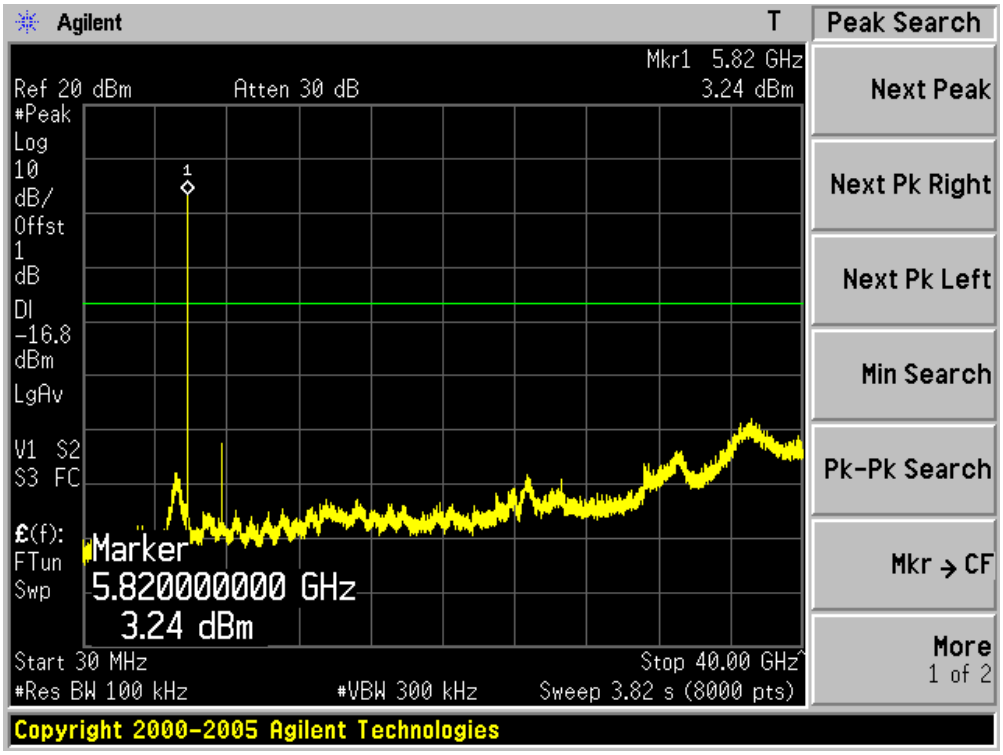
Channel 149 (5745MHz)



Channel 157 (5785MHz)

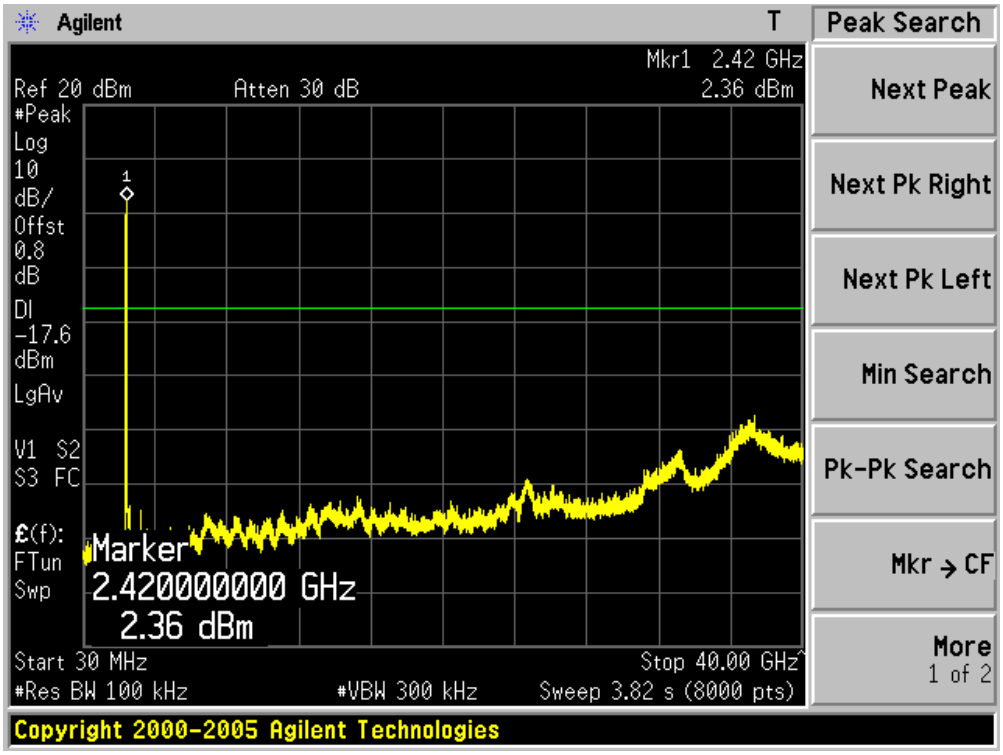


Channel 165 (5825MHz)

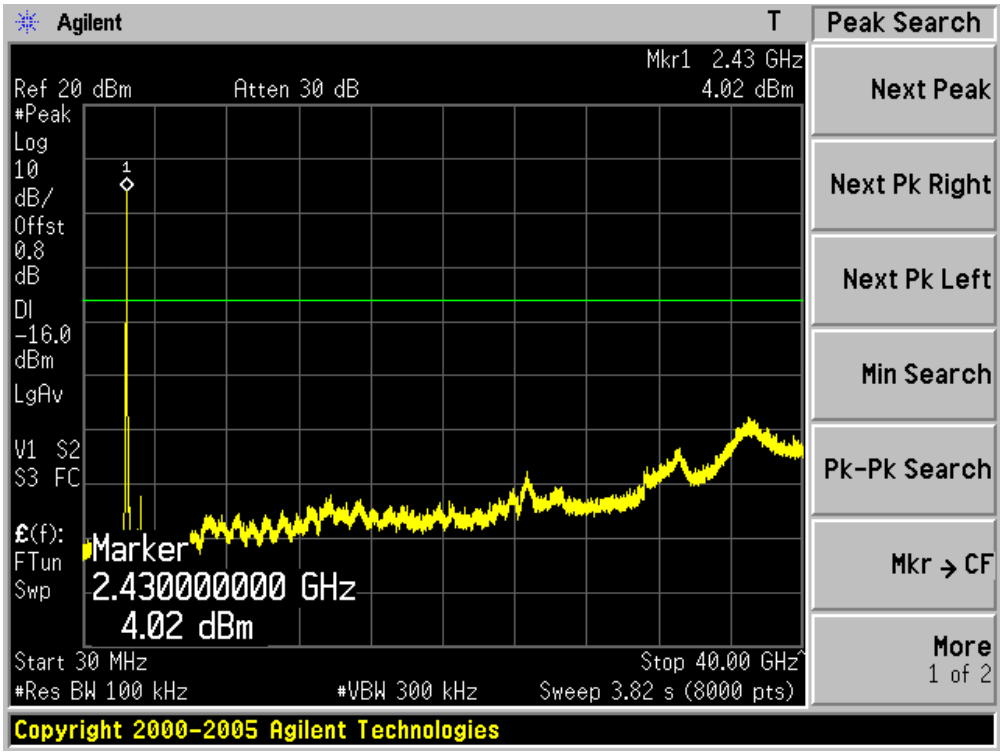


Product	:	AirPcap Nx
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 001)

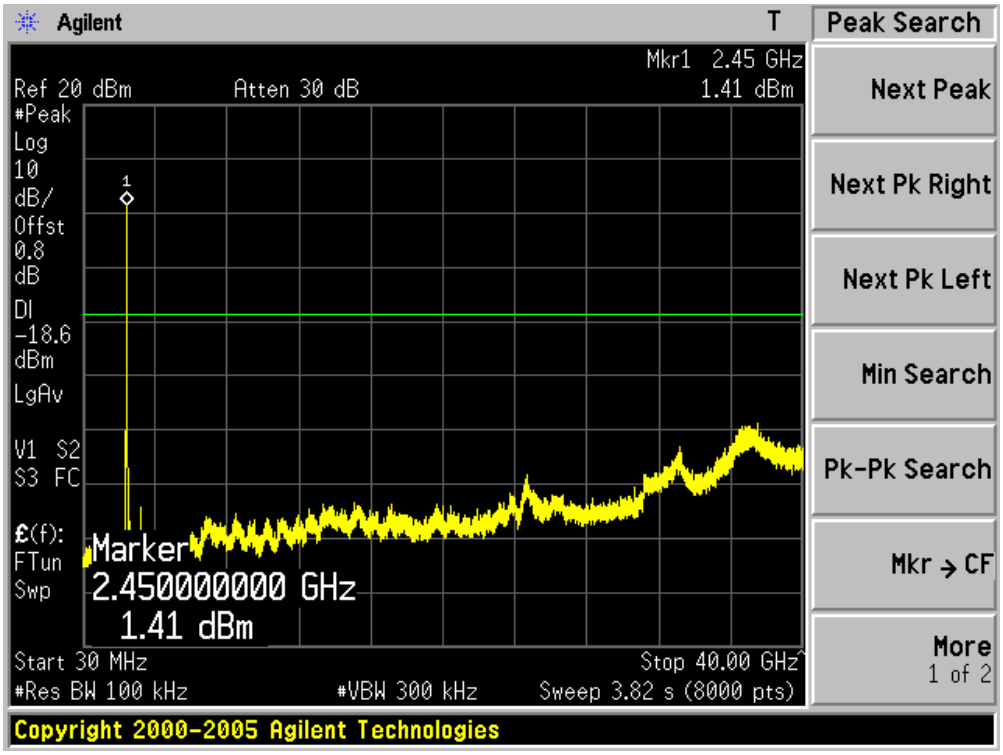
Channel 03 (2422MHz)



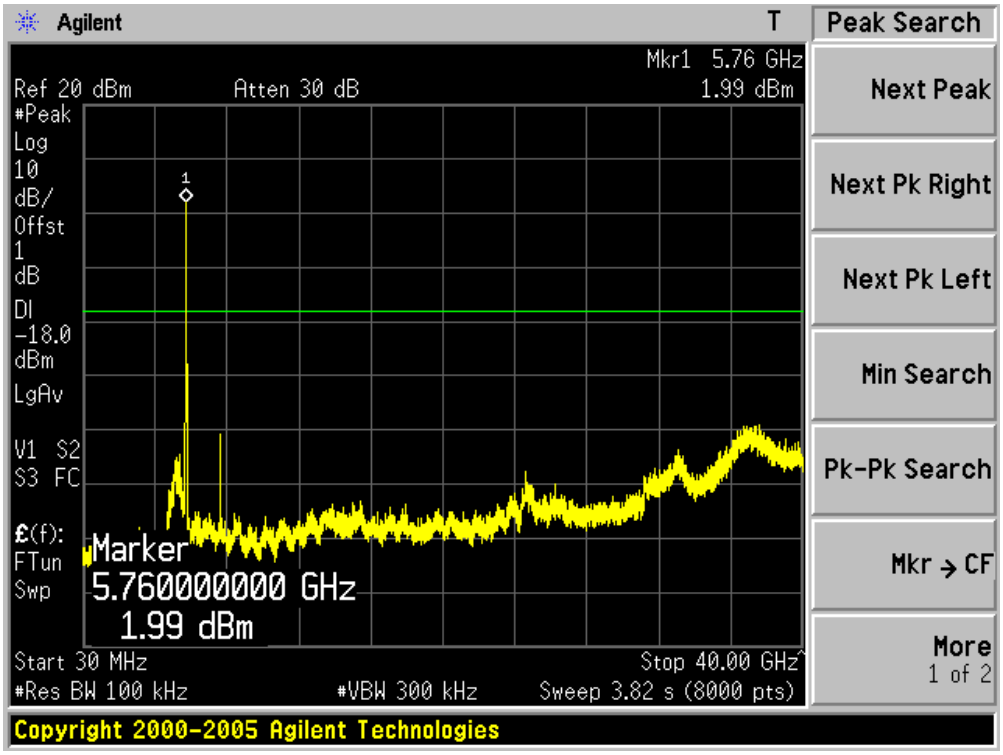
Channel 06 (2437MHz)



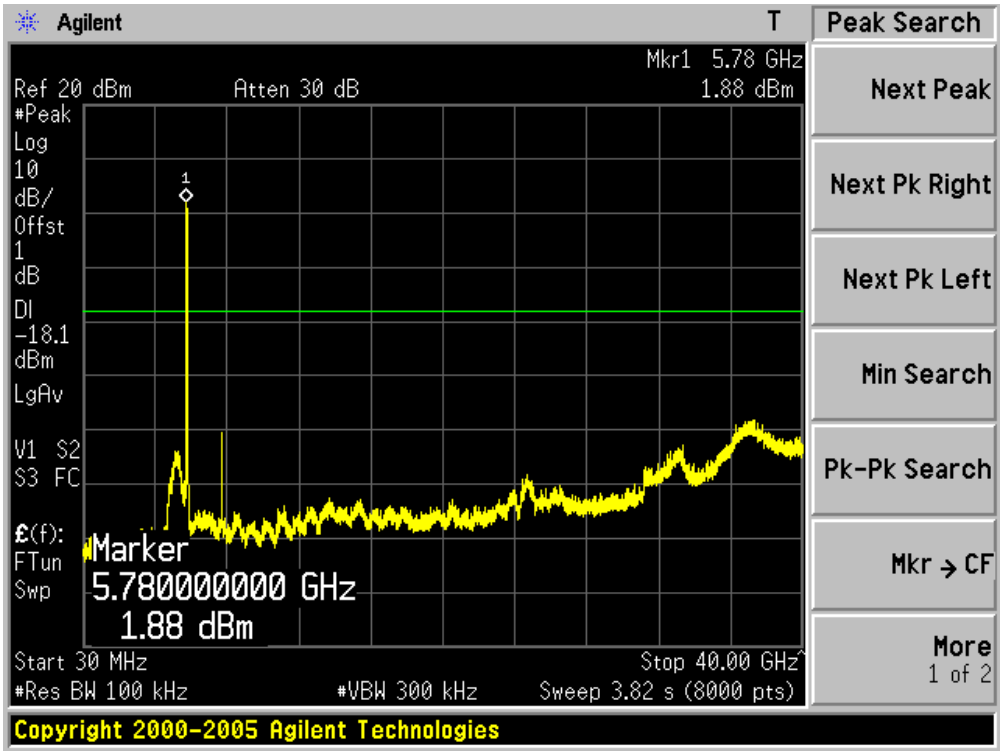
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



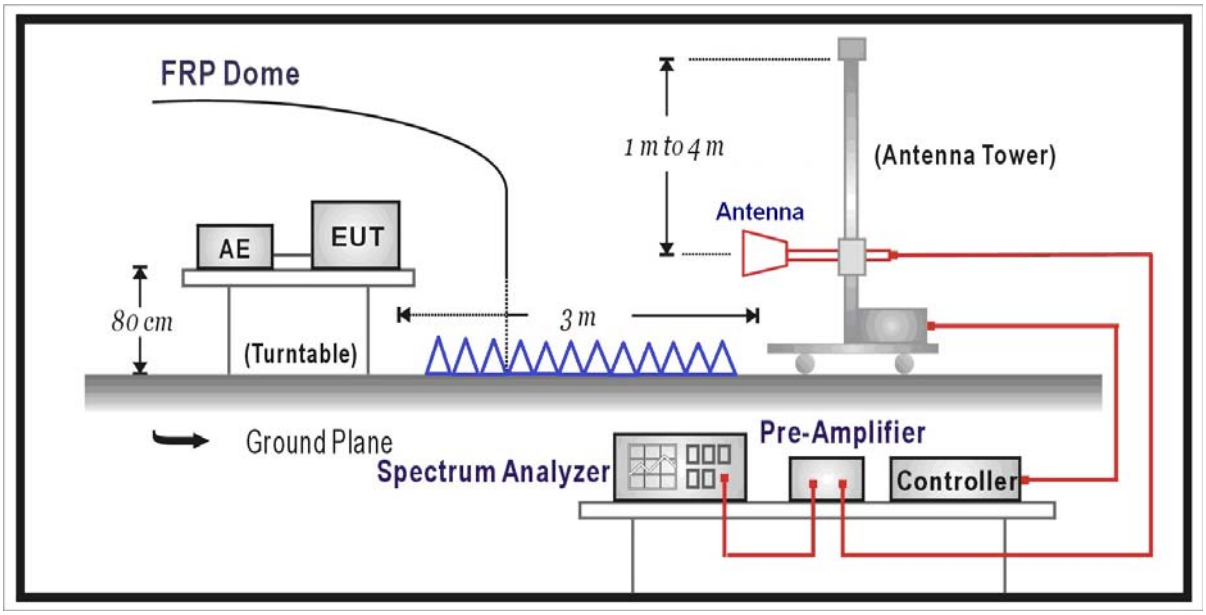
6. Radiated Emission Band Edge

6.1. Test Equipment

☒Radiated Emission Band Edge / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2010.04.23
EMI Test Receiver	R&S	ESCI	100573	2010.04.23
Preamplifier	Quietek	AP-025C	CHM-0511006	2010.05.05
Preamplifier	Quietek	AP-180C	CHM-0602013	2010.05.05
Bilog Type Antenna	Schaffner	CBL6112B	2932	2010.10.18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2010.06.11
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2010.05.05
Temperature/Humidity Meter	zhicheng	ZC1-2	AC5-TH	2010.01.14

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

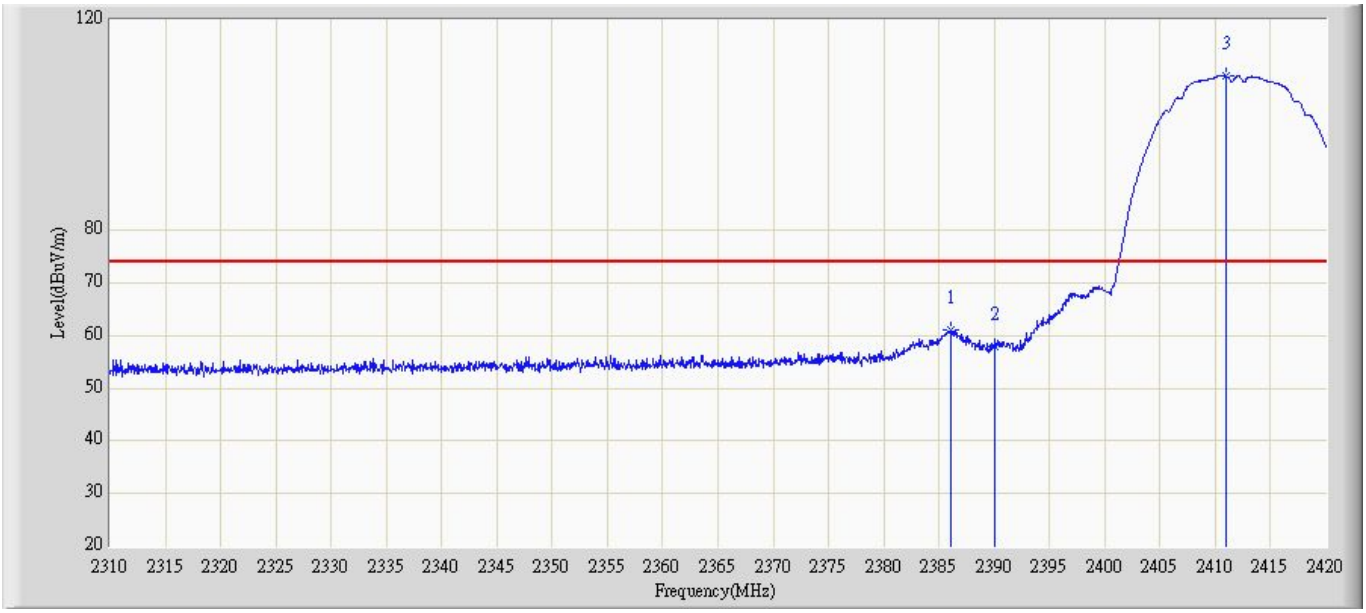
The EUT was setup according to ANSI C63.4, 2009 and tested according to ANSI C63.10 for compliance to FCC 47CFR 15.247 requirements.
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT 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

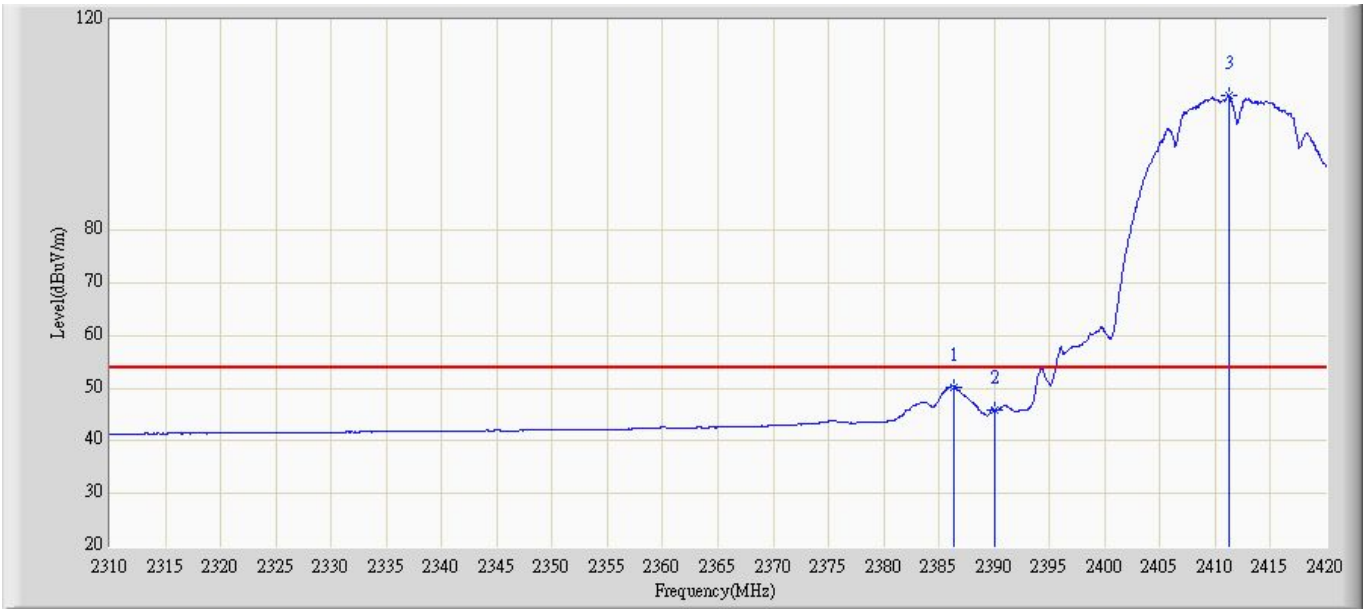
6.6. Test Result

Profile: 109S022R	Page No.: 5
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 16:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 100)	



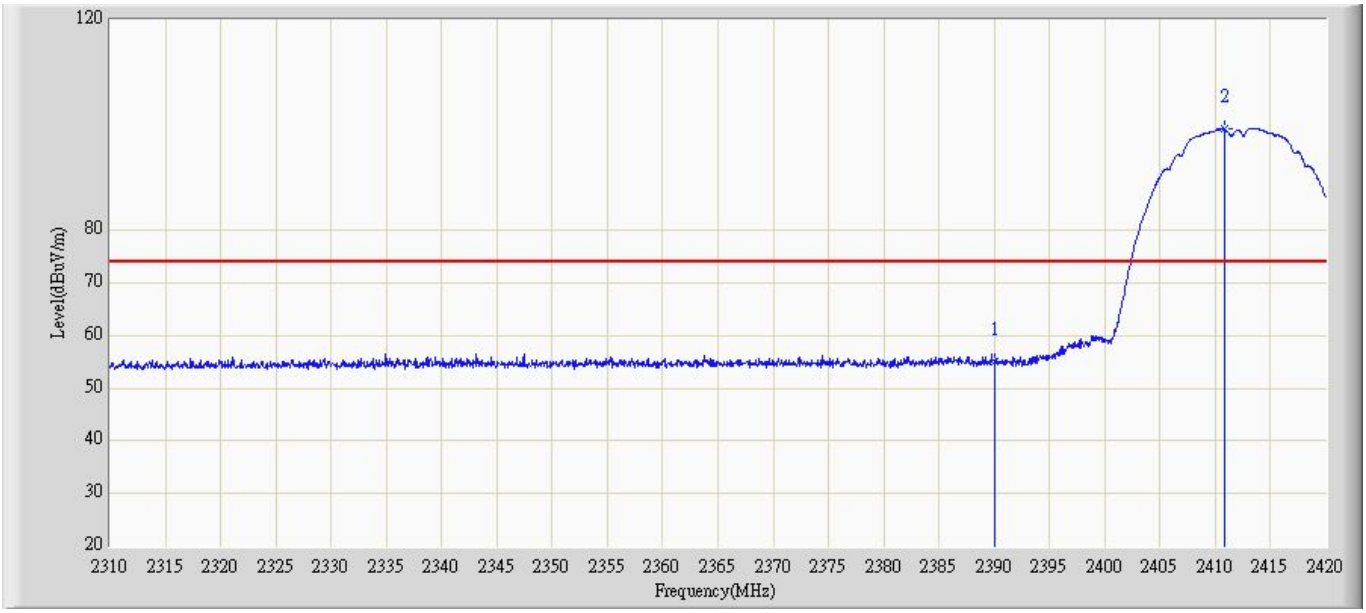
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.010	61.049	30.502	-12.951	74.000	30.547	PK
2		2390.000	58.041	27.486	-15.959	74.000	30.555	PK
3	*	2410.980	109.320	78.764	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 6
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 16:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 100)	



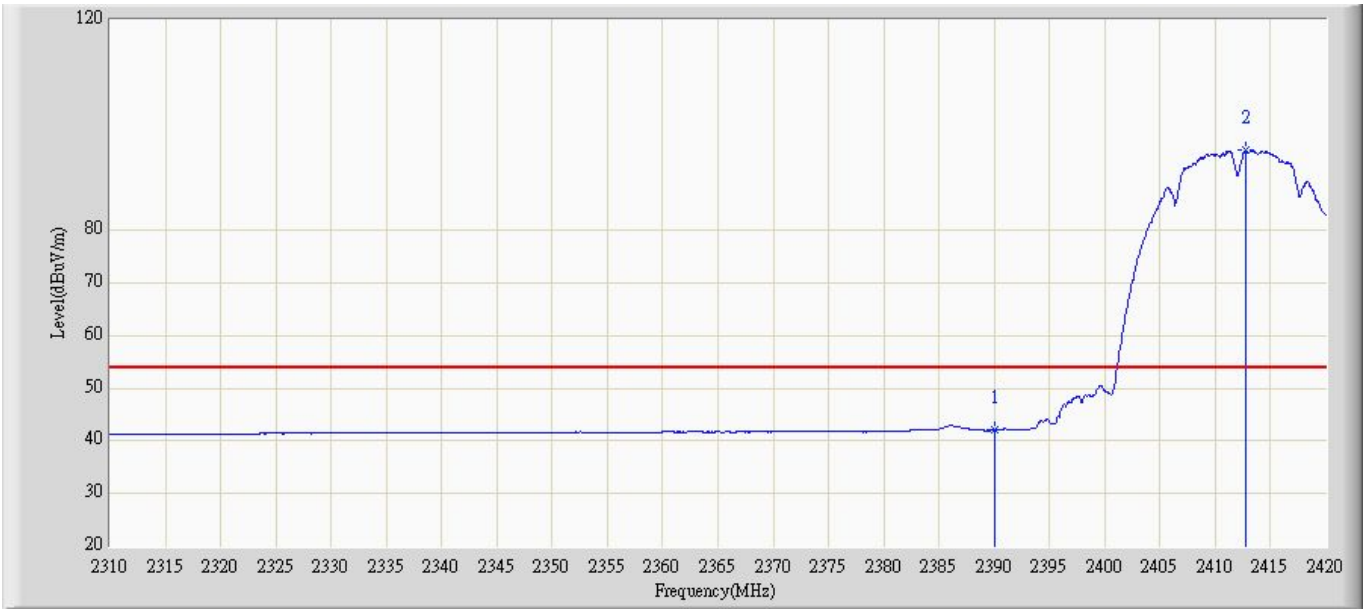
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.395	50.312	19.765	-3.688	54.000	30.547	AV
2		2390.000	45.840	15.285	-8.160	54.000	30.555	AV
3	*	2411.200	105.580	75.024	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 1
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 15:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 100)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	54.932	24.377	-19.068	74.000	30.555	PK
2	*	2410.815	99.225	68.669	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 2
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 100)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	42.028	11.473	-11.972	54.000	30.555	AV
2	*	2412.685	95.156	64.600	N/A	N/A	30.556	AV

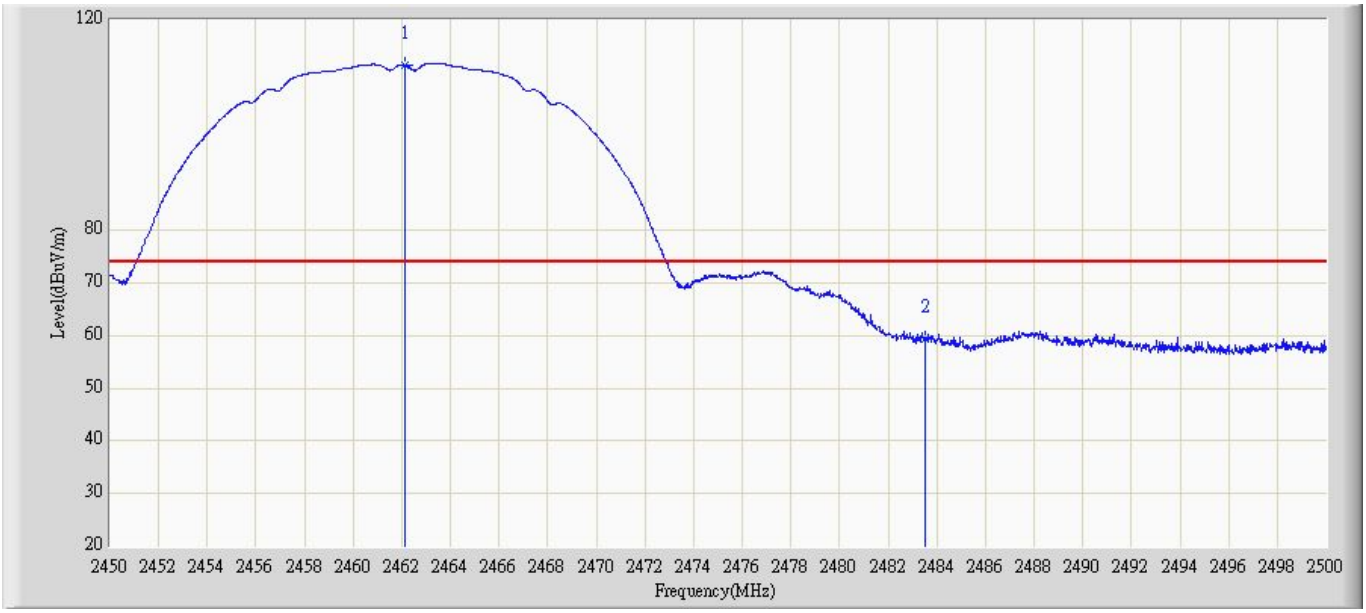
Profile: 109S022R	Page No.: 7
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 17:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 100)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.100	112.416	81.978	N/A	N/A	30.437	PK
2		2483.500	60.058	29.736	-13.942	74.000	30.321	PK

Profile: 109S022R	Page No.: 8
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 100)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.250	107.808	77.366	N/A	N/A	30.442	AV
2		2483.500	48.974	18.652	-5.026	54.000	30.321	AV
3		2488.075	50.965	20.662	-3.035	54.000	30.304	AV

Profile: 109S022R	Page No.: 3
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 100)	

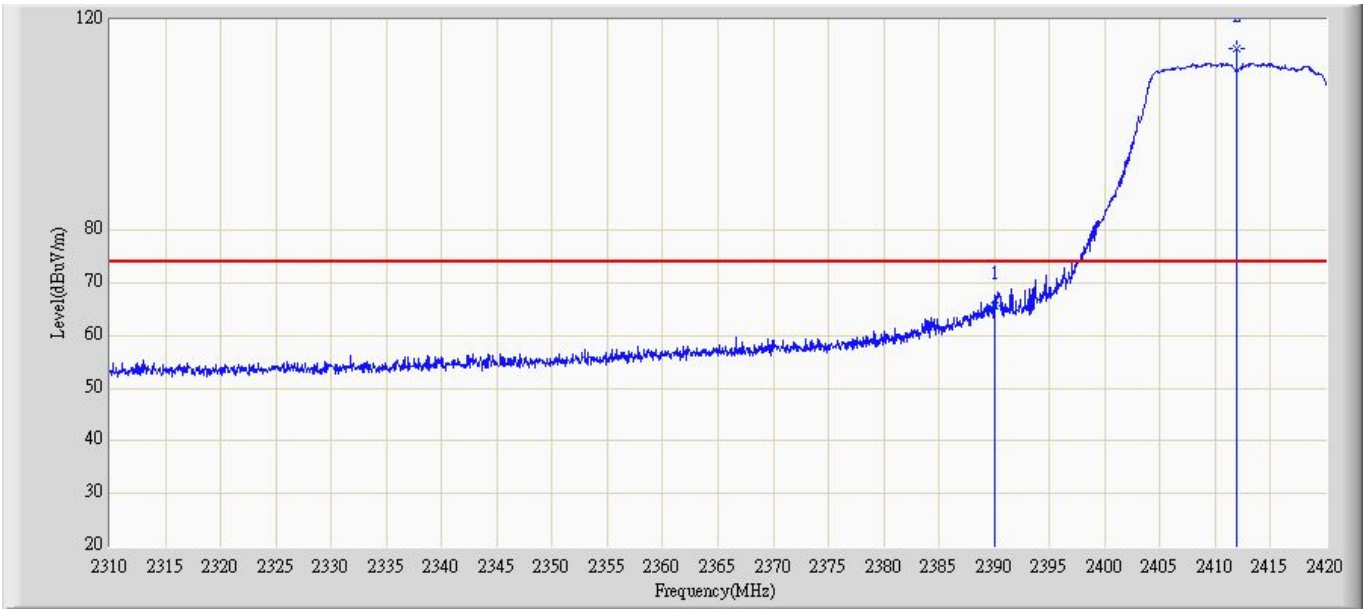


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.100	111.489	81.051	N/A	N/A	30.437	PK
2		2483.500	59.231	28.909	-14.769	74.000	30.321	PK

Profile: 109S022R	Page No.: 4
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 16:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 100)	

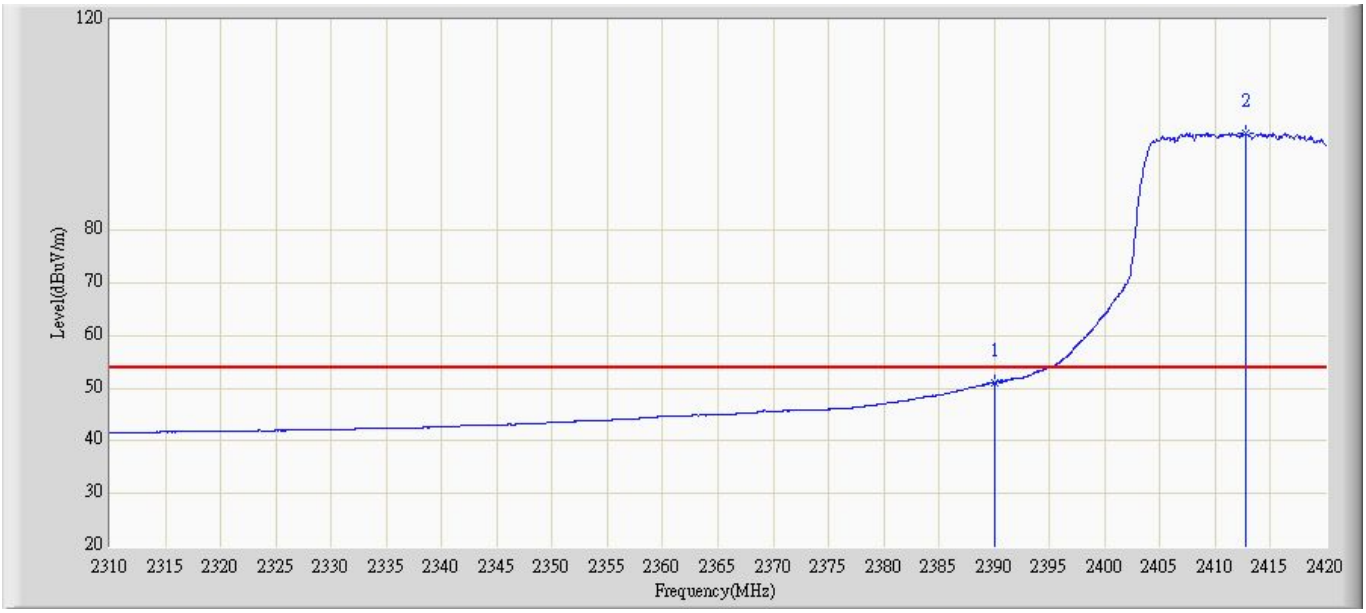
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.700	107.116	76.682	N/A	N/A	30.434	AV
2		2483.500	47.019	16.697	-6.981	54.000	30.321	AV
3		2487.925	48.799	18.495	-5.201	54.000	30.304	AV

Profile: 109S022R	Page No.: 9
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 17:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 100)	



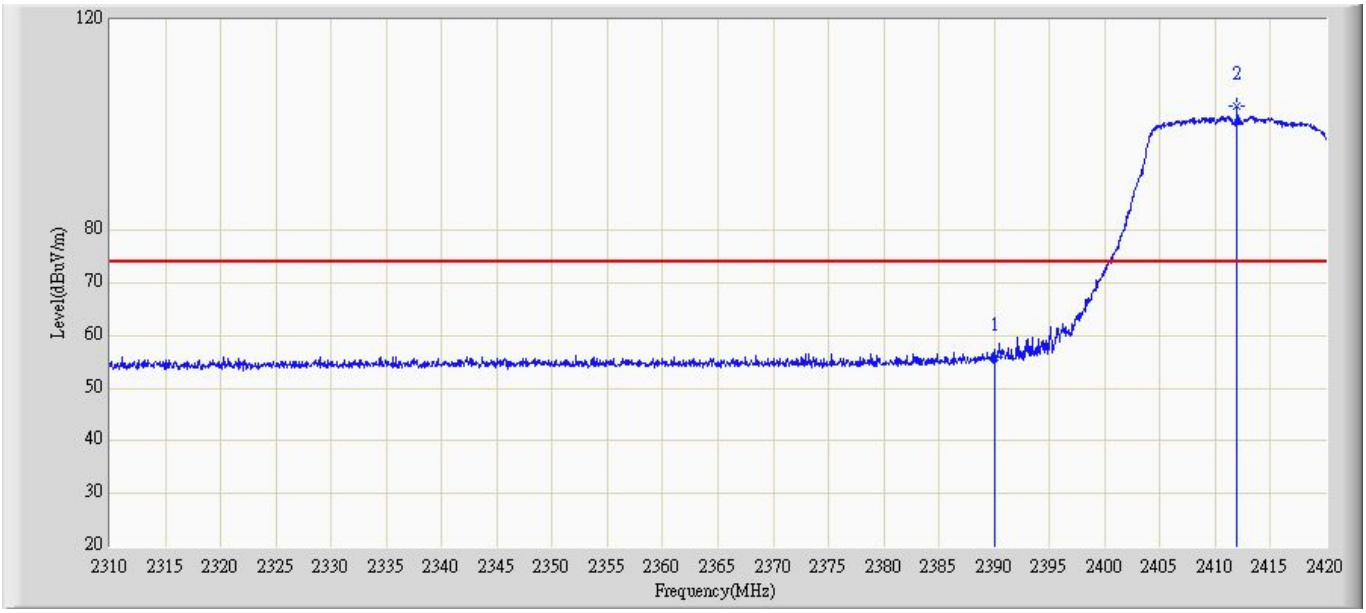
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.767	35.212	-8.233	74.000	30.555	PK
2	*	2411.915	114.598	84.042	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 10
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 18:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 100)	



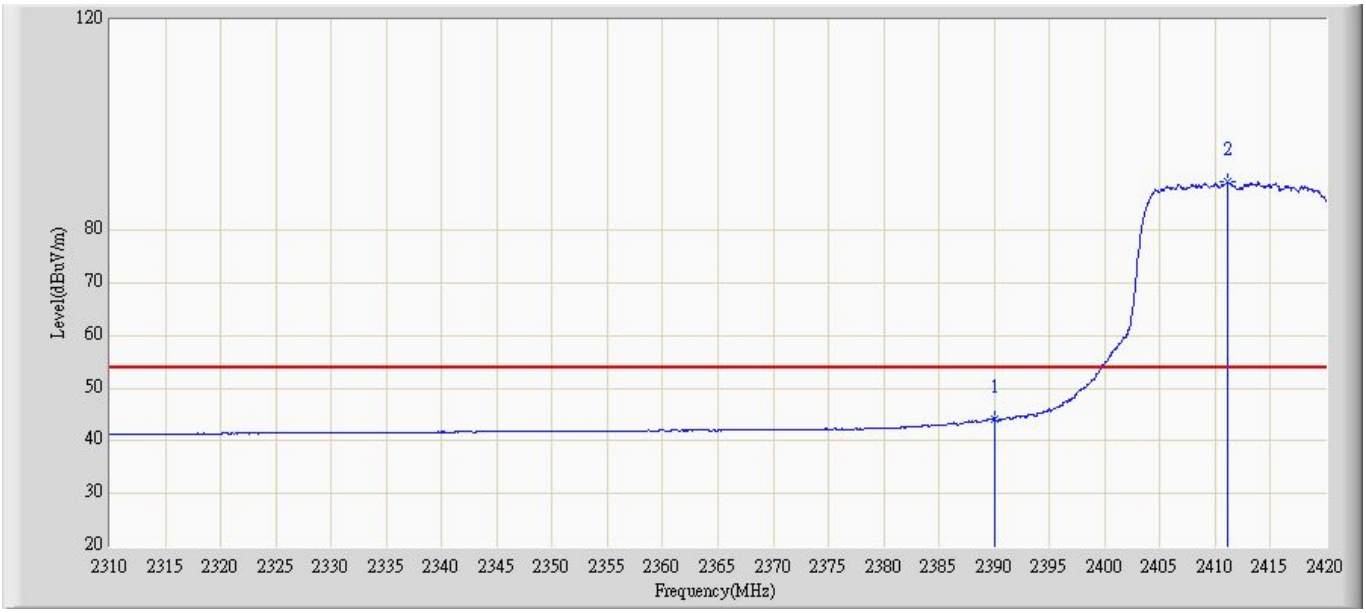
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.042	20.487	-2.958	54.000	30.555	AV
2	*	2412.685	98.478	67.922	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 11
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 18:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 100)	



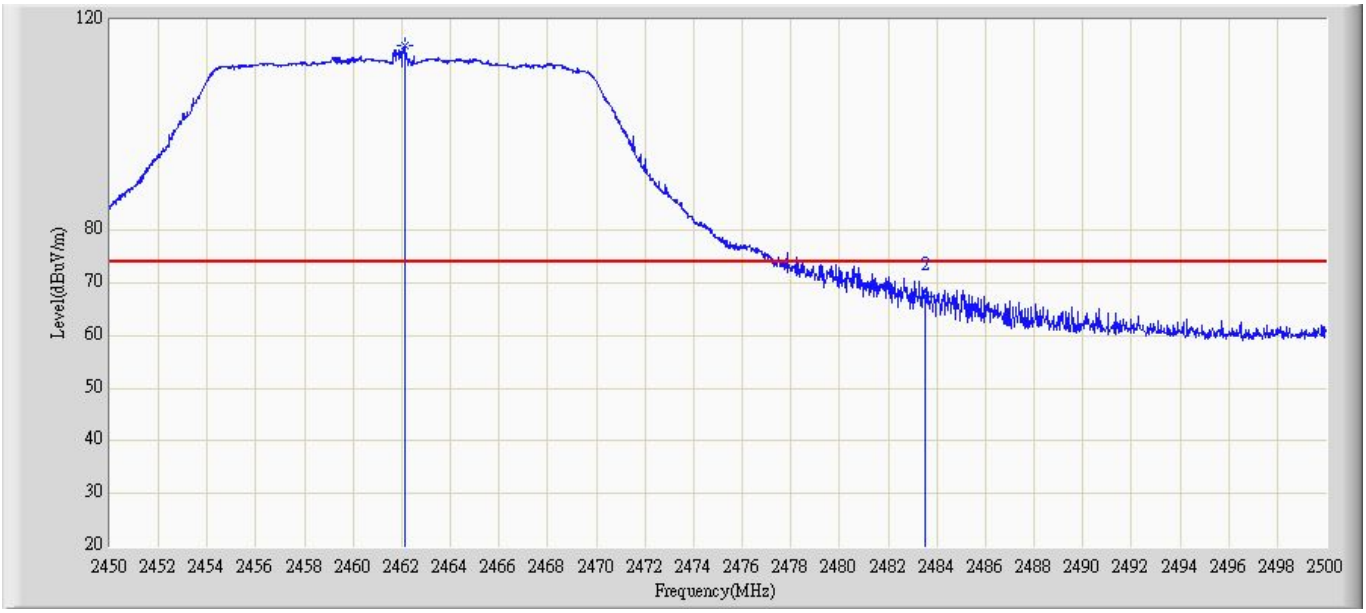
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.792	25.237	-18.208	74.000	30.555	PK
2	*	2411.970	103.505	72.949	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 12
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 18:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 100)	



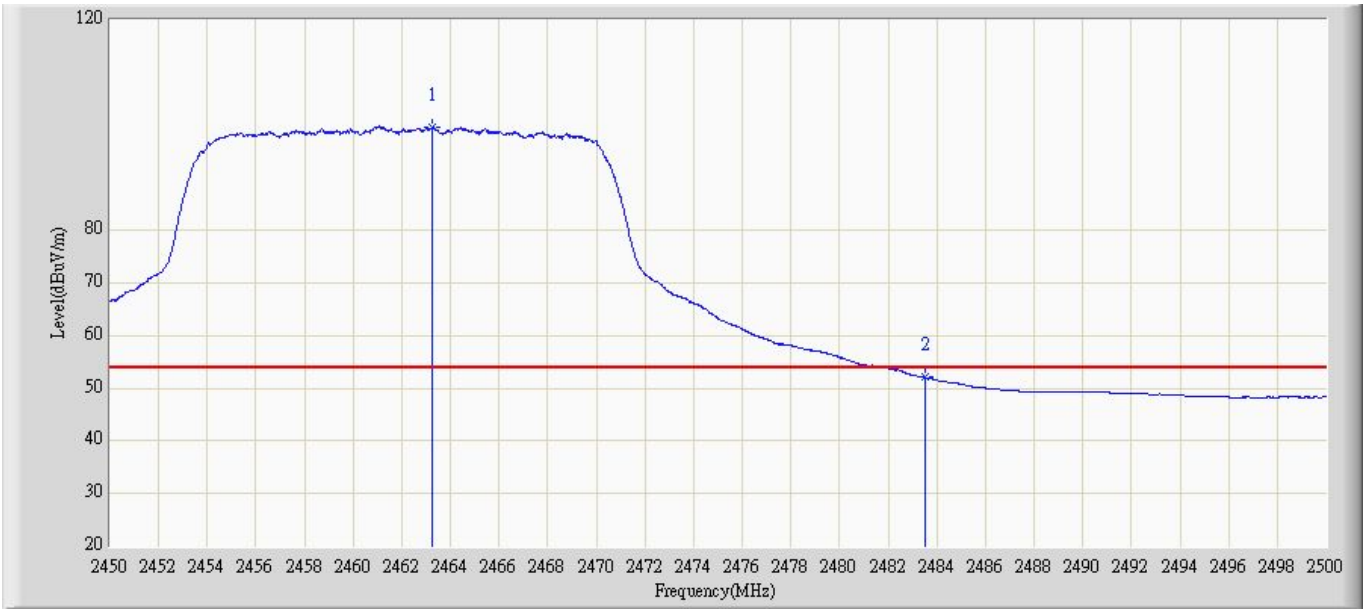
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.209	13.654	-9.791	54.000	30.555	AV
2	*	2411.145	89.122	58.566	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 13
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 18:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 100)	



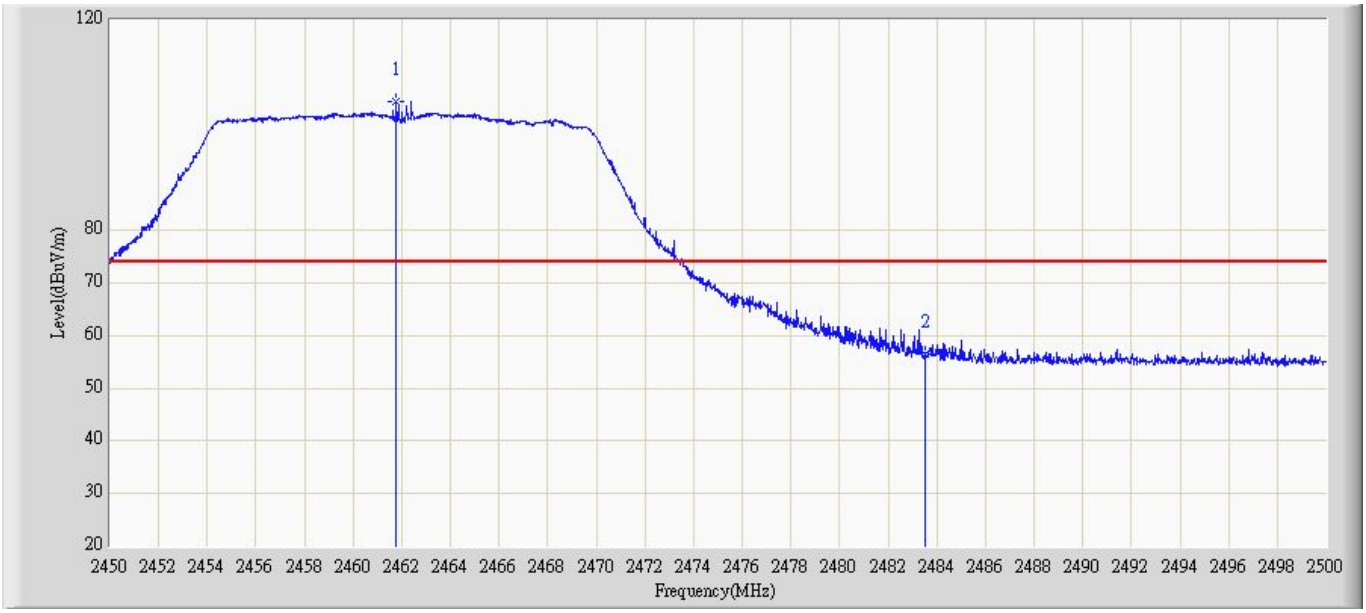
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.150	114.994	84.557	N/A	N/A	30.437	PK
2		2483.500	67.285	36.963	-6.715	74.000	30.321	PK

Profile: 109S022R	Page No.: 14
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 100)	



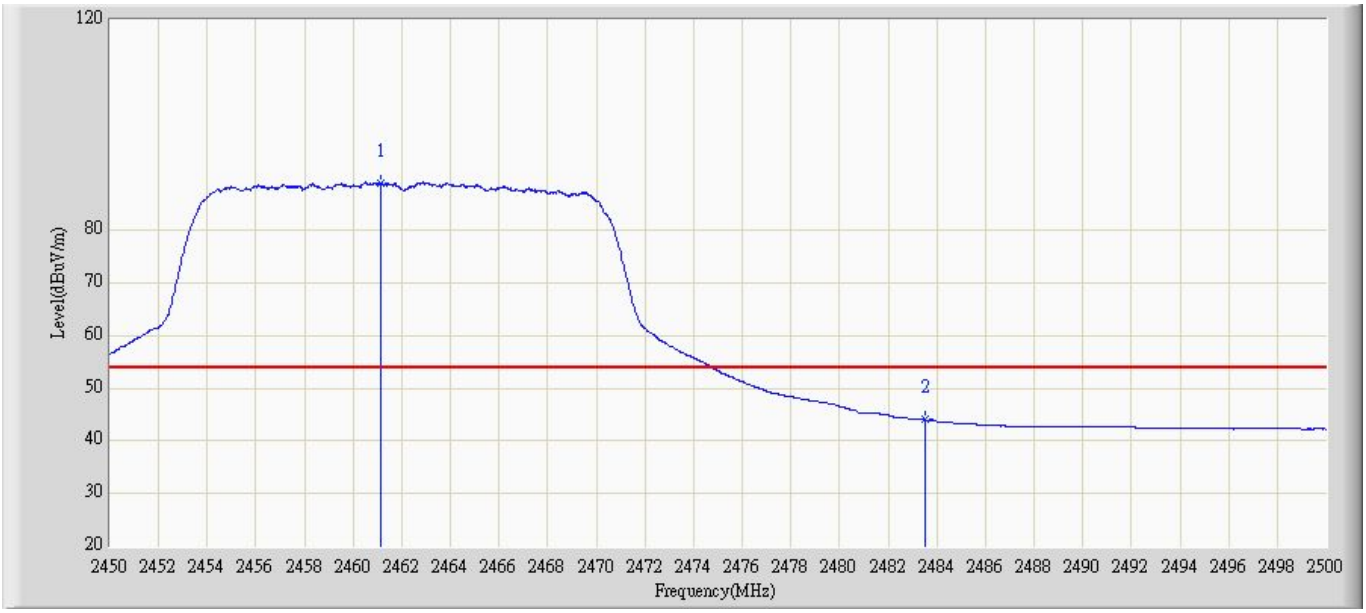
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.250	99.672	69.241	N/A	N/A	30.431	AV
2		2483.500	52.096	21.774	-1.904	54.000	30.321	AV

Profile: 109S022R	Page No.: 15
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 100)	



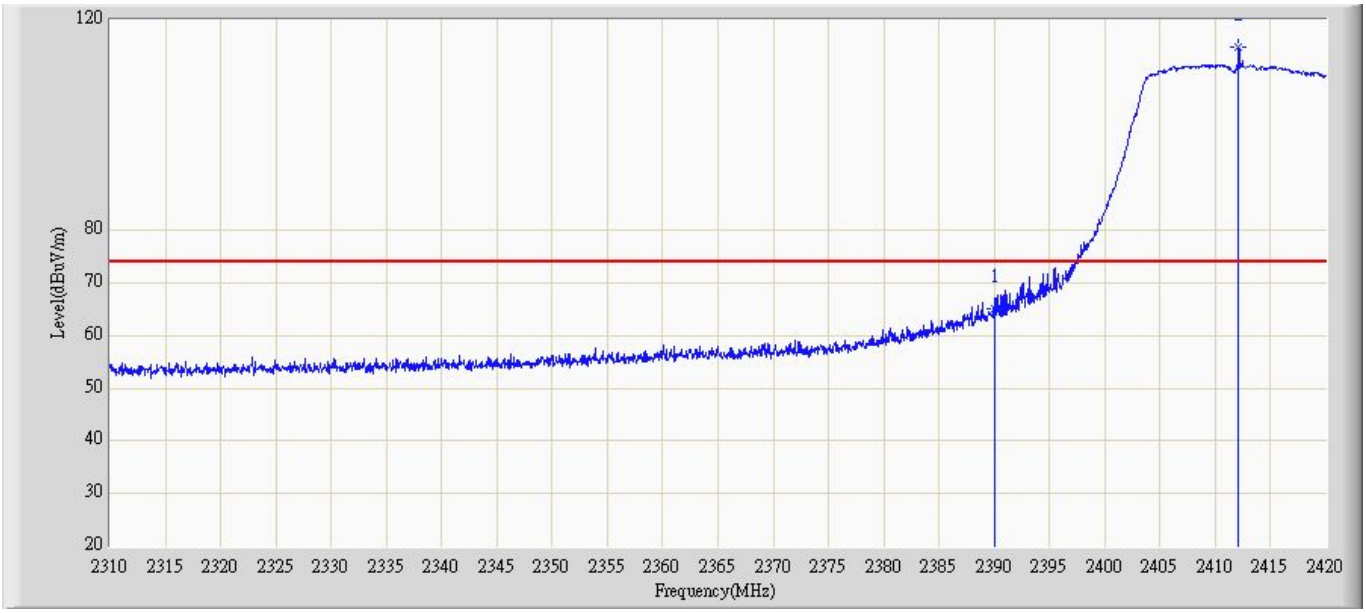
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.775	104.588	74.149	N/A	N/A	30.439	PK
2		2483.500	56.417	26.095	-17.583	74.000	30.321	PK

Profile: 109S022R	Page No.: 16
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 100)	



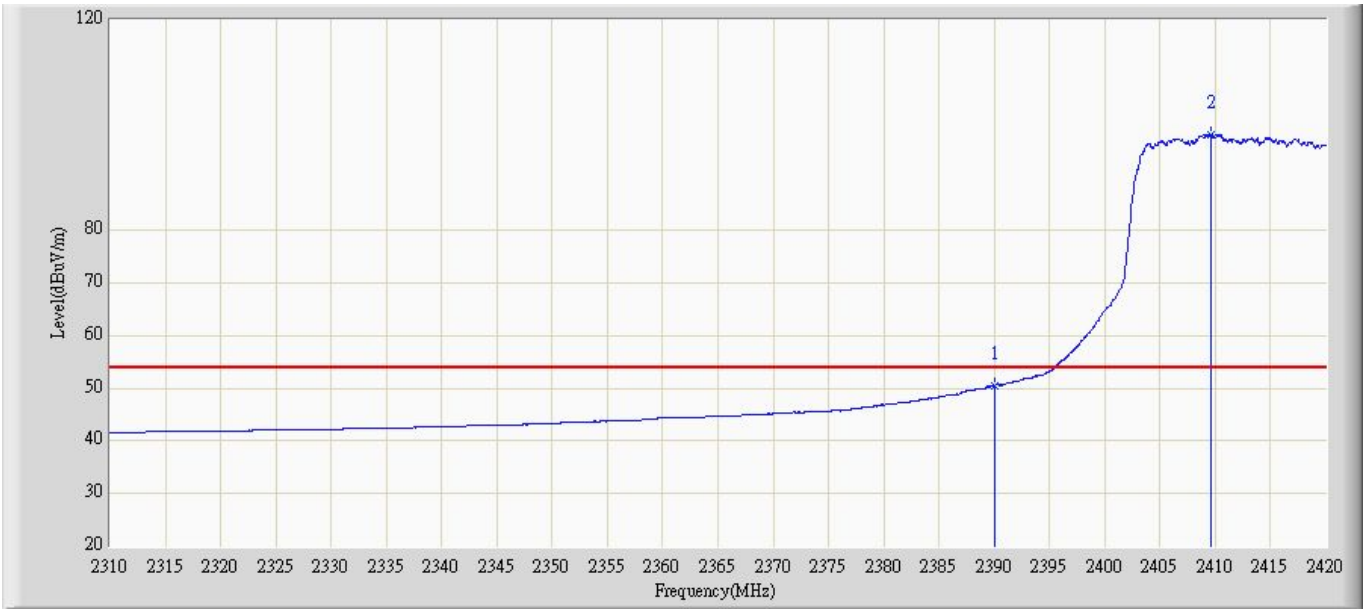
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.150	89.105	58.662	N/A	N/A	30.443	AV
2		2483.500	43.999	13.677	-10.001	54.000	30.321	AV

Profile: 109S022R	Page No.: 17
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 100)	



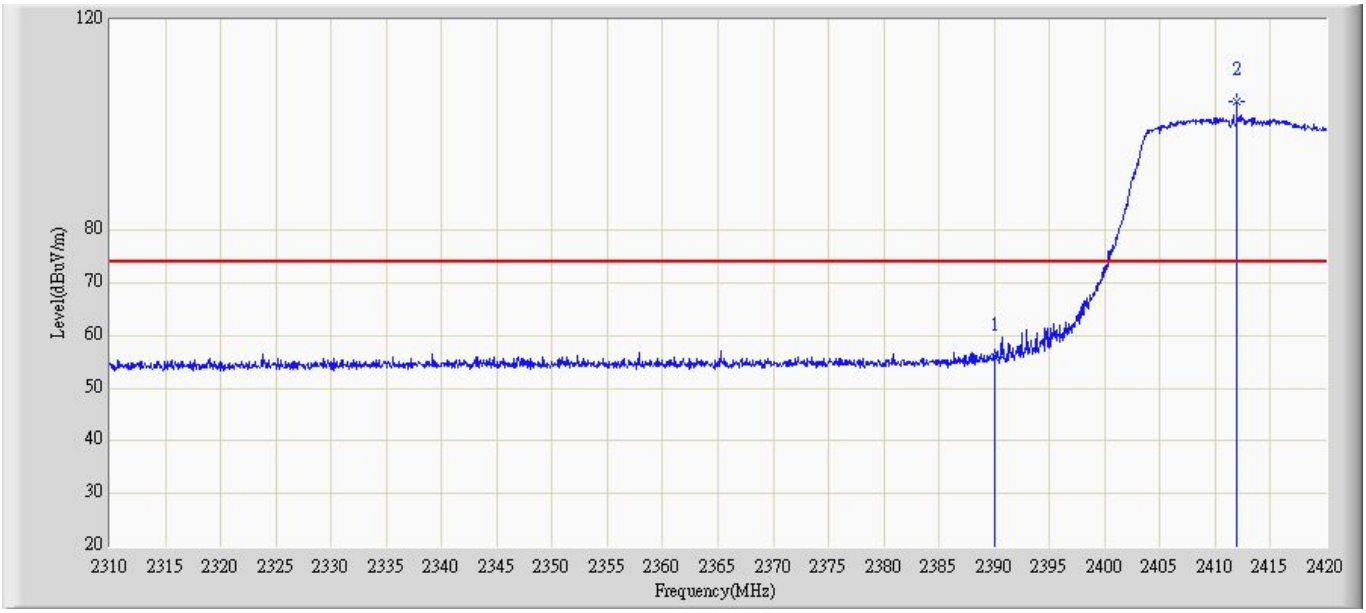
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	64.973	34.418	-9.027	74.000	30.555	PK
2	*	2412.080	114.752	84.196	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 18
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 100)	



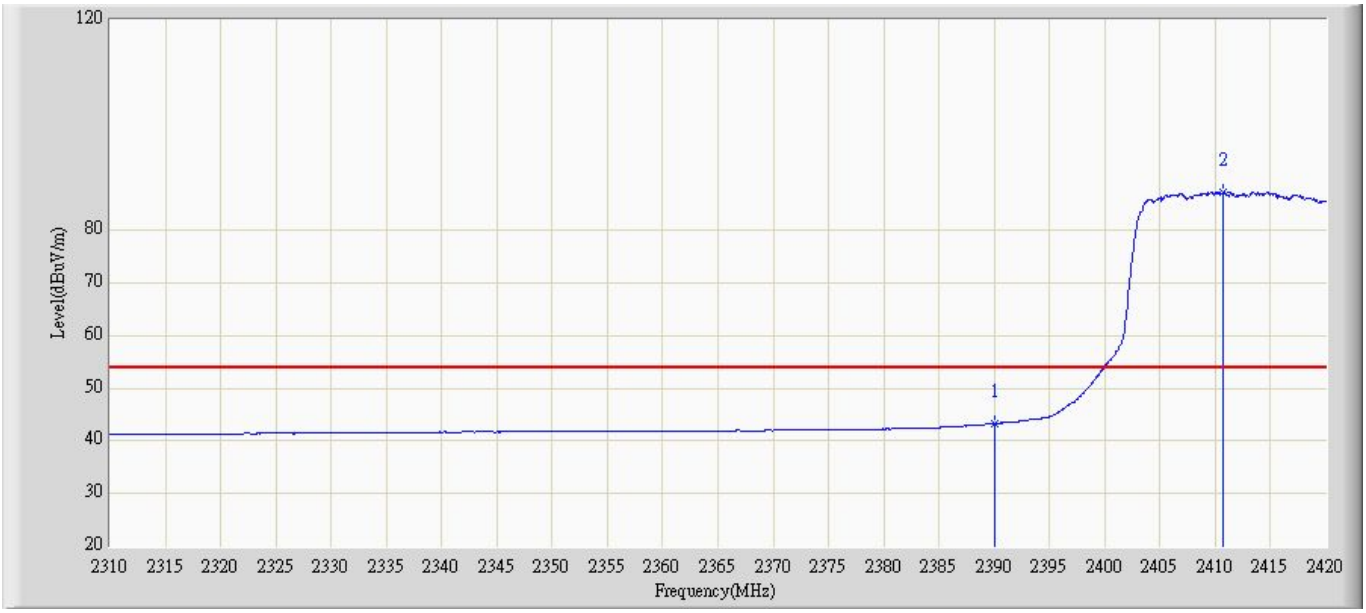
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.529	19.974	-3.471	54.000	30.555	AV
2	*	2409.605	98.112	67.555	N/A	N/A	30.557	AV

Profile: 109S022R	Page No.: 19
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 100)	



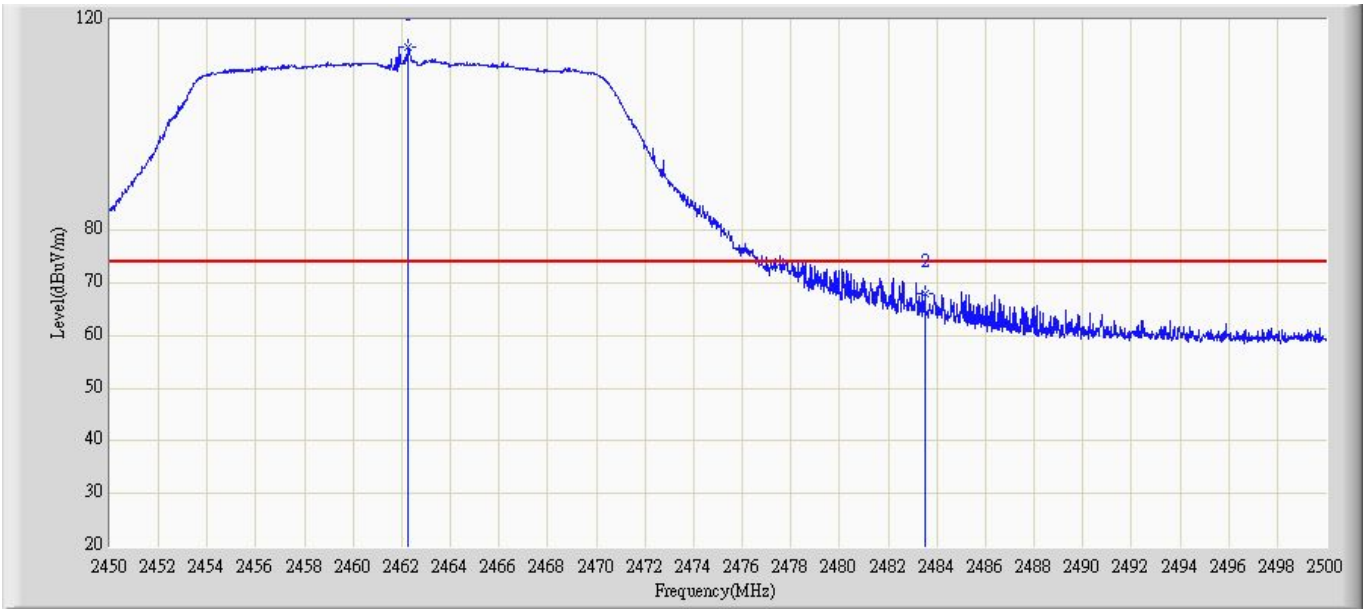
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.790	25.235	-18.210	74.000	30.555	PK
2	*	2411.915	104.387	73.831	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 20
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 100)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.324	12.769	-10.676	54.000	30.555	AV
2	*	2410.650	87.264	56.708	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 21
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 100)	

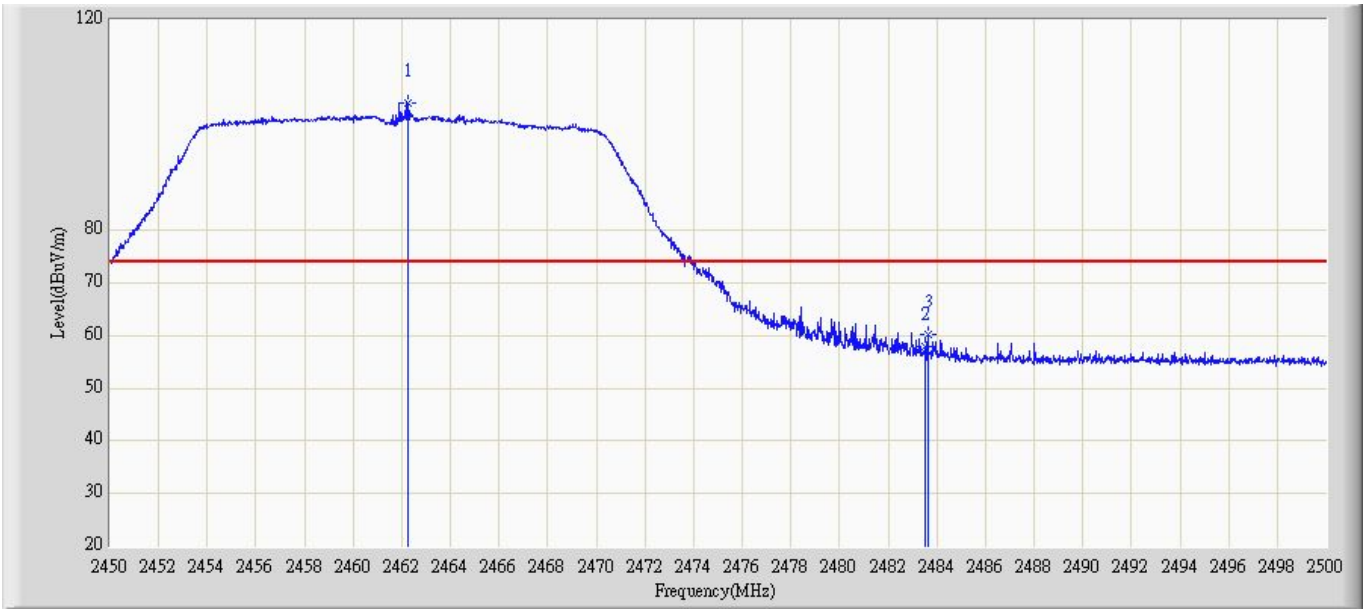


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.225	114.797	84.360	N/A	N/A	30.437	PK
2		2483.500	67.888	37.566	-6.112	74.000	30.321	PK

Profile: 109S022R	Page No.: 22
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 100)	

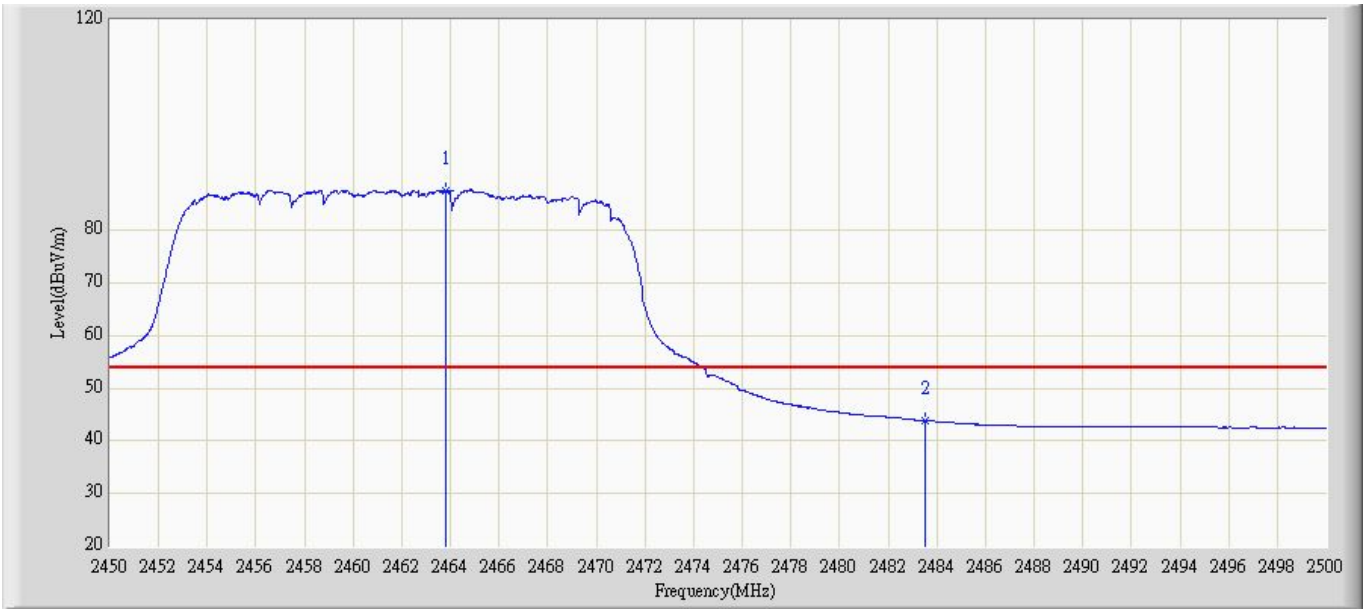
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.625	98.320	67.880	N/A	N/A	30.440	AV
2		2483.500	51.230	20.908	-2.770	54.000	30.321	AV

Profile: 109S022R	Page No.: 23
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 100)	



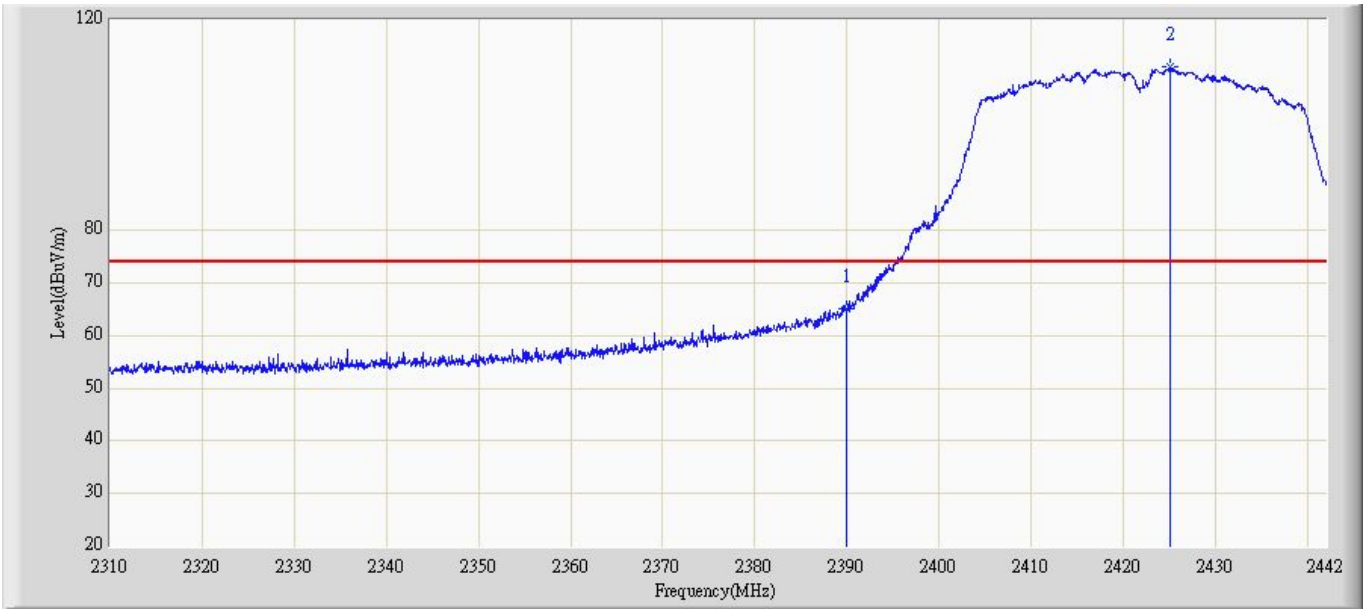
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.275	104.058	73.621	N/A	N/A	30.436	PK
2		2483.500	57.859	27.537	-16.141	74.000	30.321	PK
3		2483.650	60.349	30.028	-13.651	74.000	30.321	PK

Profile: 109S022R	Page No.: 24
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 100)	



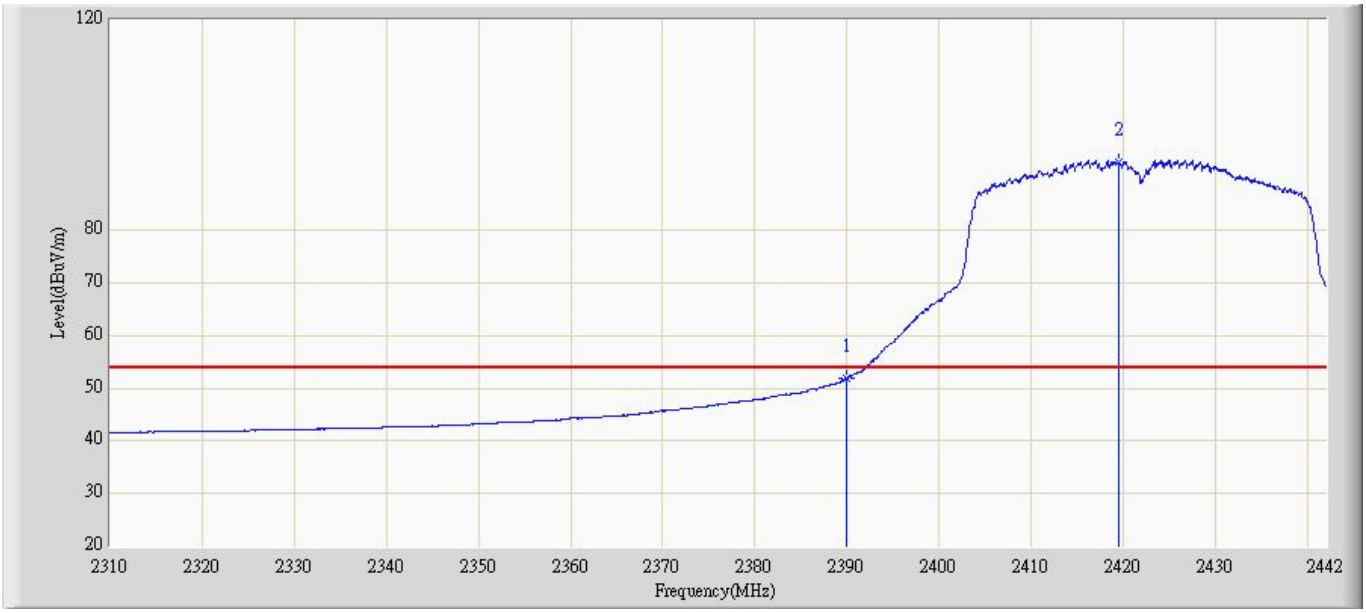
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.800	87.565	57.137	N/A	N/A	30.427	AV
2		2483.500	43.857	13.535	-10.143	54.000	30.321	AV

Profile: 109S022R	Page No.: 25
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 100)	



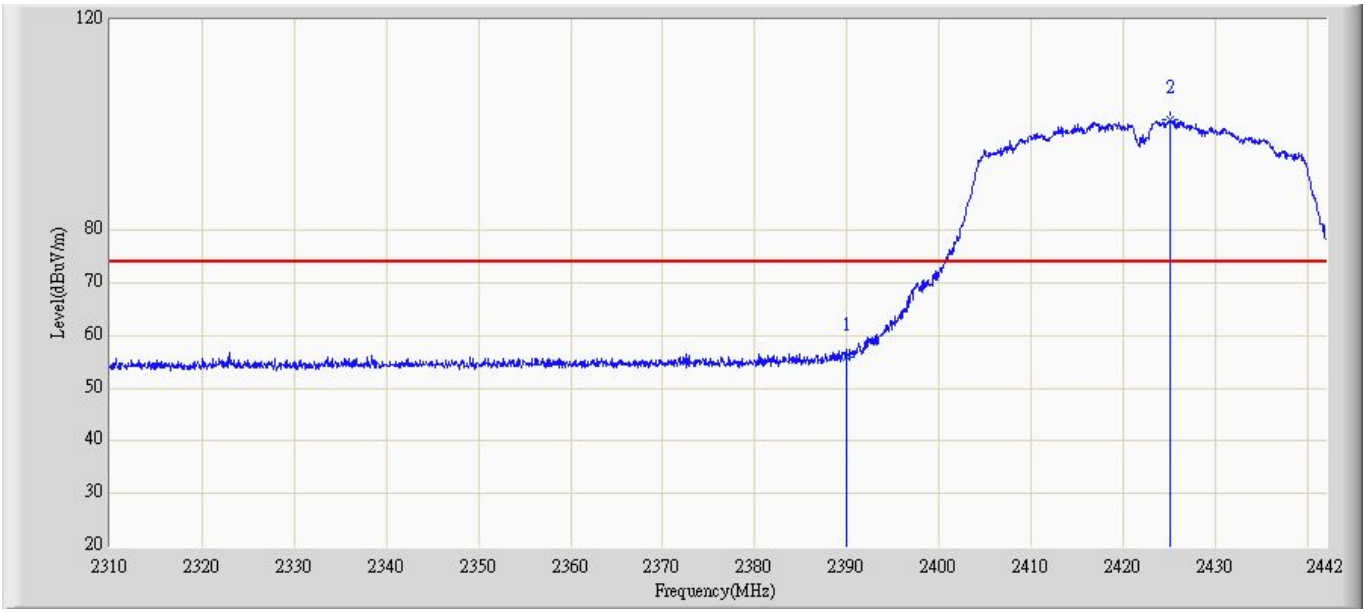
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.100	34.545	-8.900	74.000	30.555	PK
2	*	2425.170	111.189	80.634	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 26
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 100)	



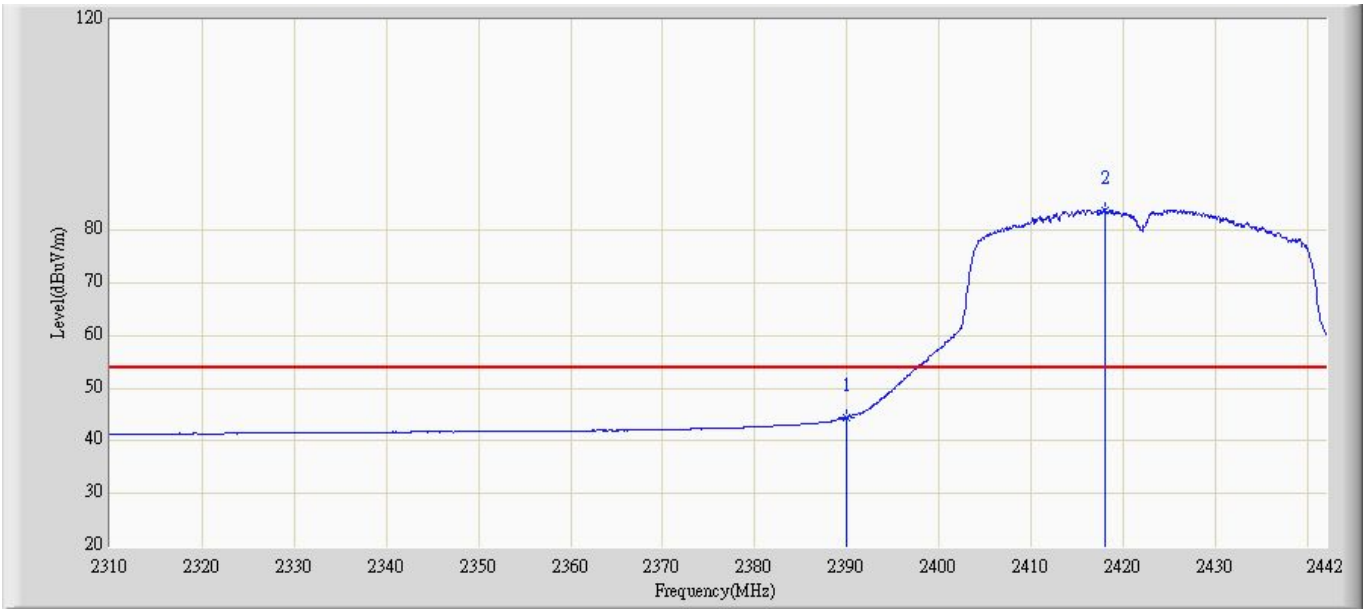
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.896	21.341	-2.104	54.000	30.555	AV
2	*	2419.494	92.931	62.375	N/A	N/A	30.555	AV

Profile: 109S022R	Page No.: 27
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 100)	



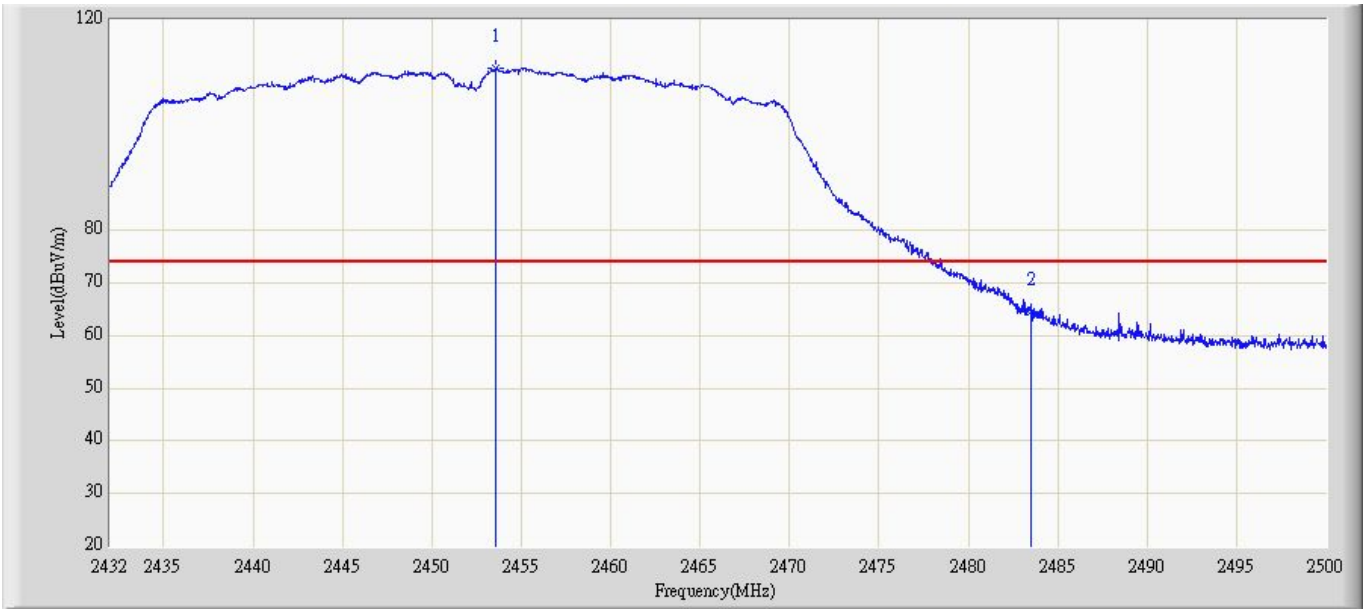
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.858	25.303	-18.142	74.000	30.555	PK
2	*	2425.170	101.085	70.530	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 28
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 100)	



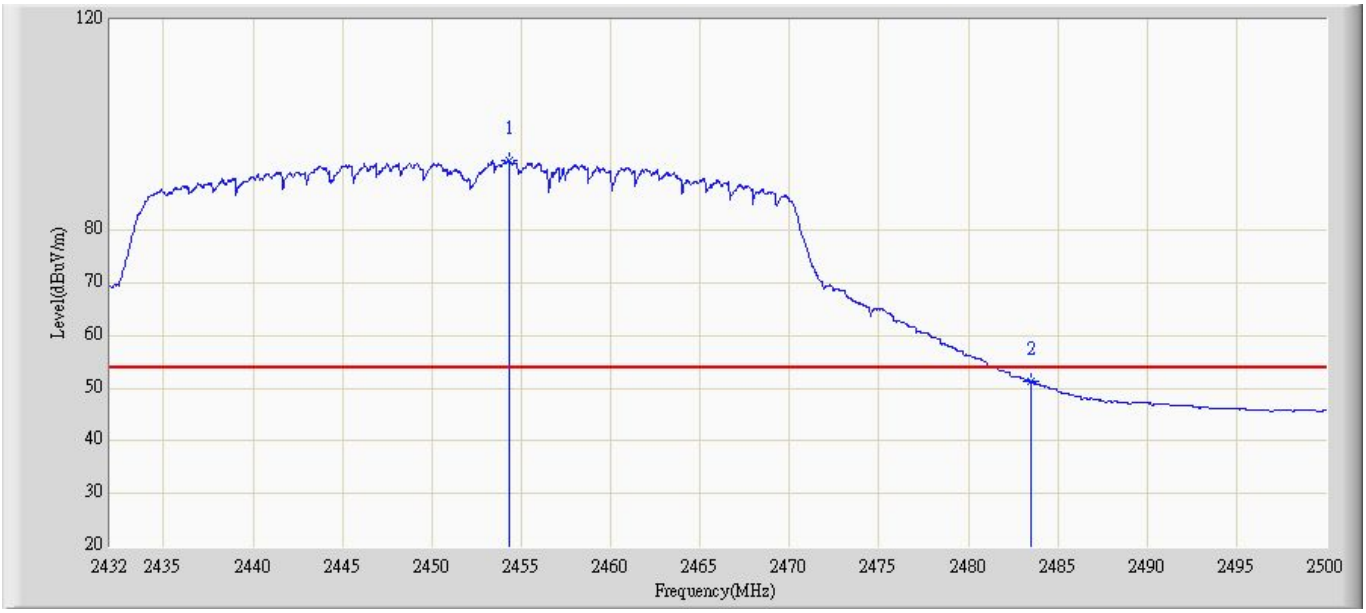
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.474	13.919	-9.526	54.000	30.555	AV
2	*	2417.976	83.863	53.307	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 29
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 100)	



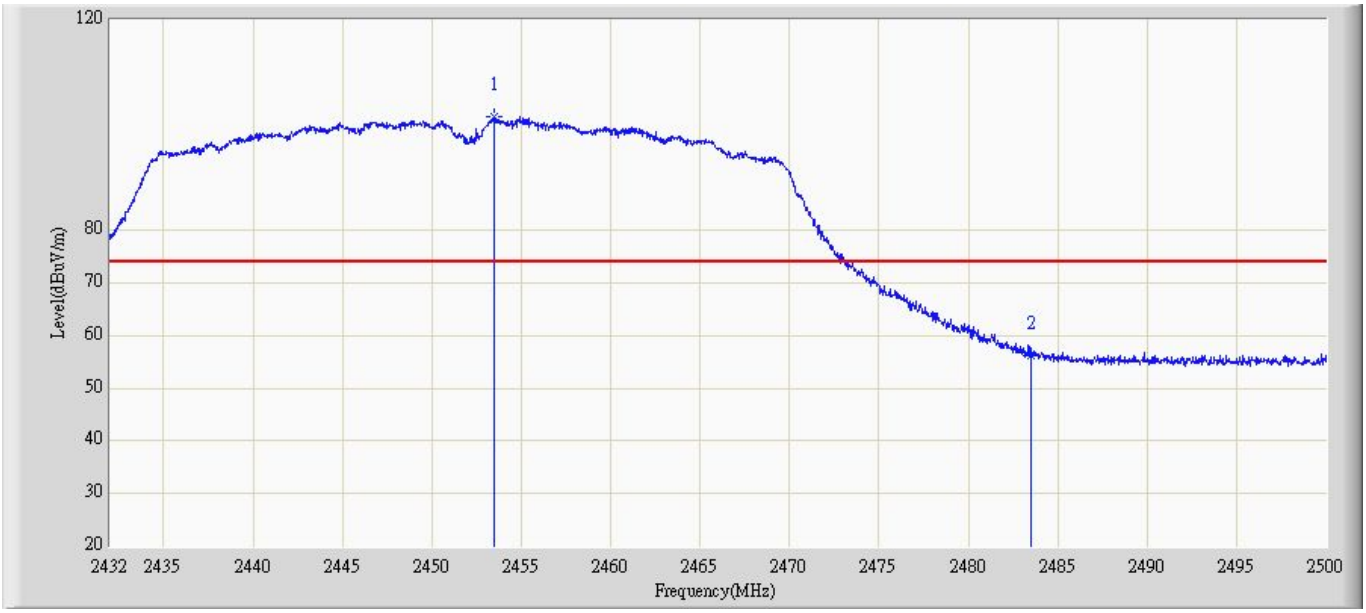
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.590	110.932	80.446	N/A	N/A	30.485	PK
2		2483.500	64.456	34.134	-9.544	74.000	30.321	PK

Profile: 109S022R	Page No.: 30
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 19:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 100)	



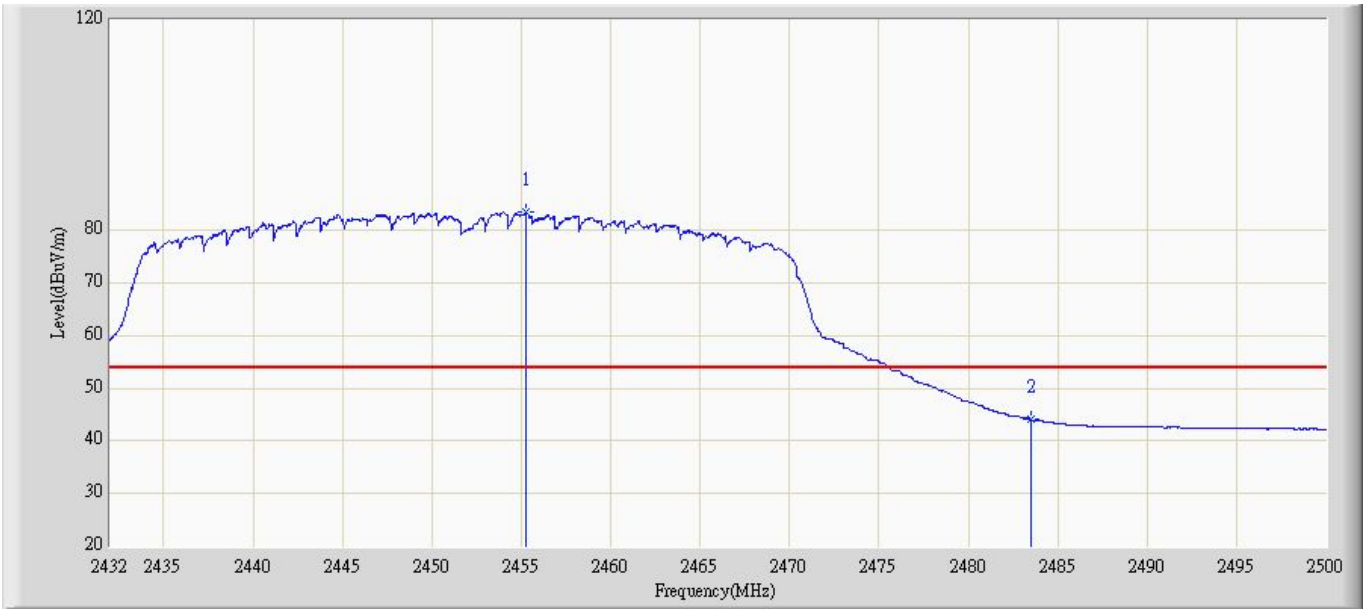
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.304	93.194	62.712	N/A	N/A	30.481	AV
2		2483.500	51.375	21.053	-2.625	54.000	30.321	AV

Profile: 109S022R	Page No.: 31
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 100)	



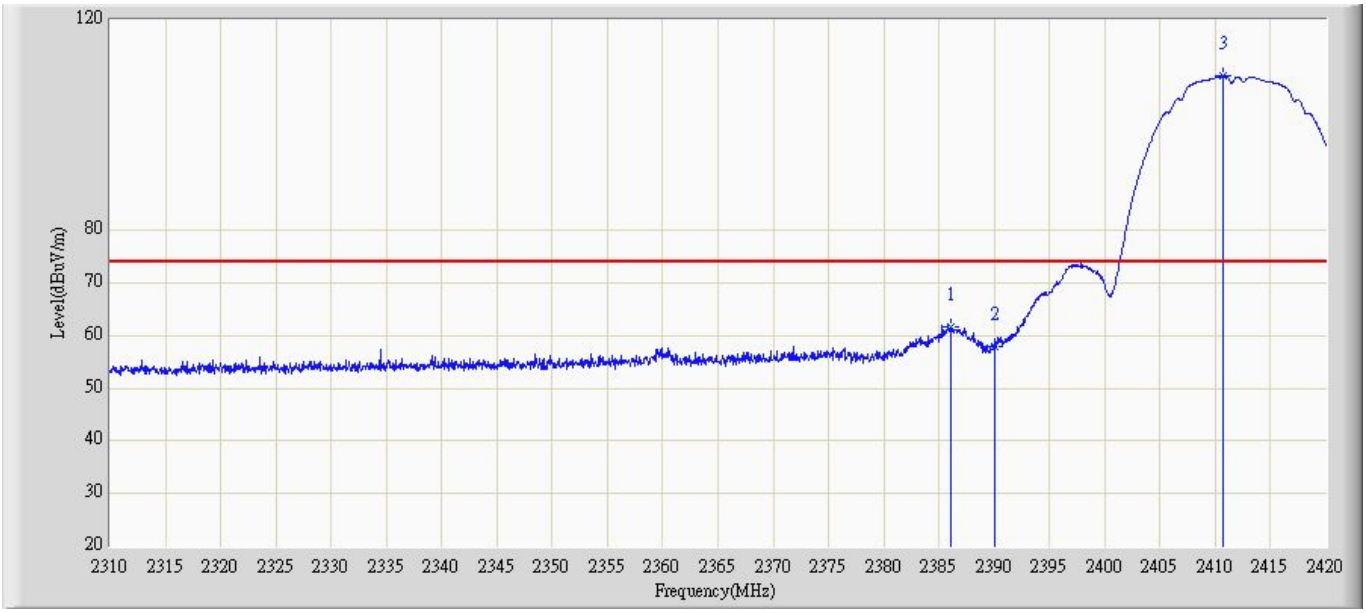
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.488	101.531	71.045	N/A	N/A	30.486	PK
2		2483.500	56.202	25.880	-17.798	74.000	30.321	PK

Profile: 109S022R	Page No.: 32
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 100)	



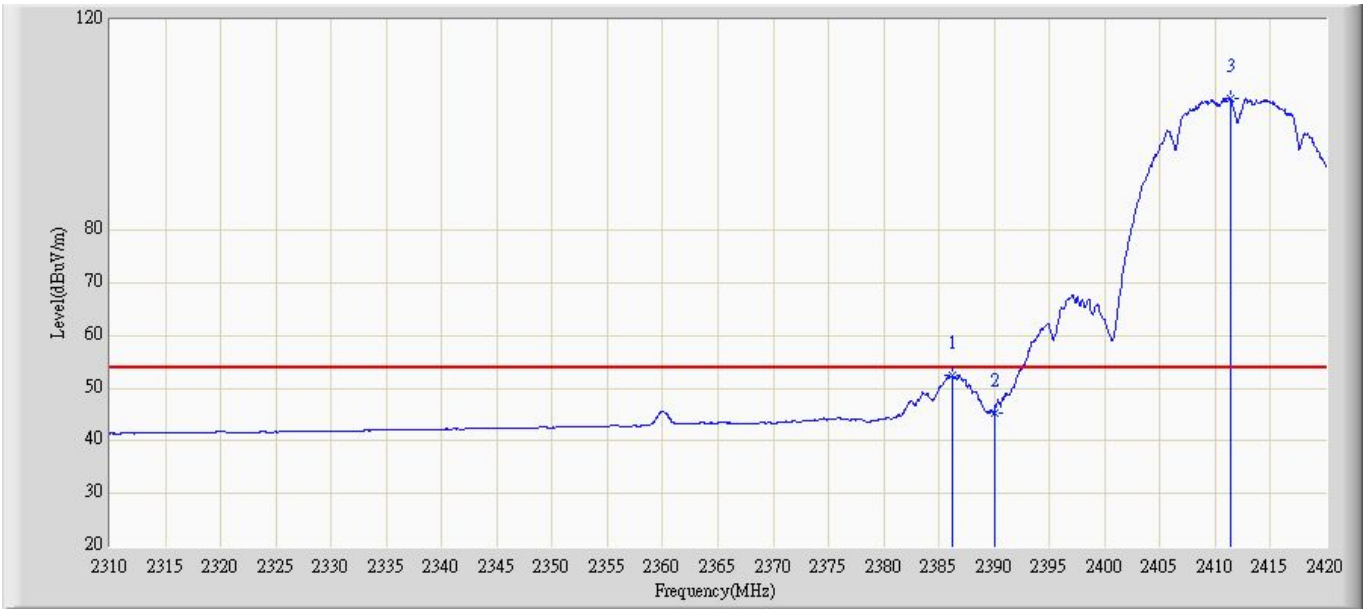
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.256	83.535	53.059	N/A	N/A	30.477	AV
2		2483.500	44.150	13.828	-9.850	54.000	30.321	AV

Profile: 109S022R	Page No.: 33
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 001)	



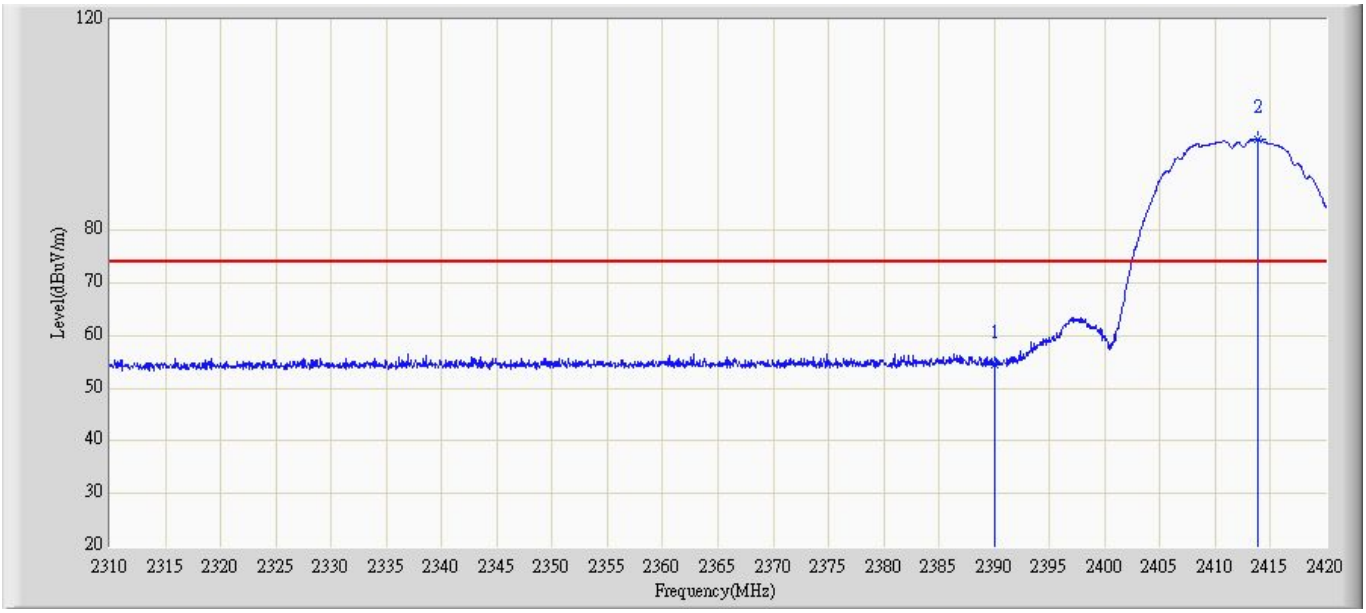
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.010	61.589	31.042	-12.411	74.000	30.547	PK
2		2390.000	57.948	27.393	-16.052	74.000	30.555	PK
3	*	2410.705	109.286	78.730	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 34
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 001)	



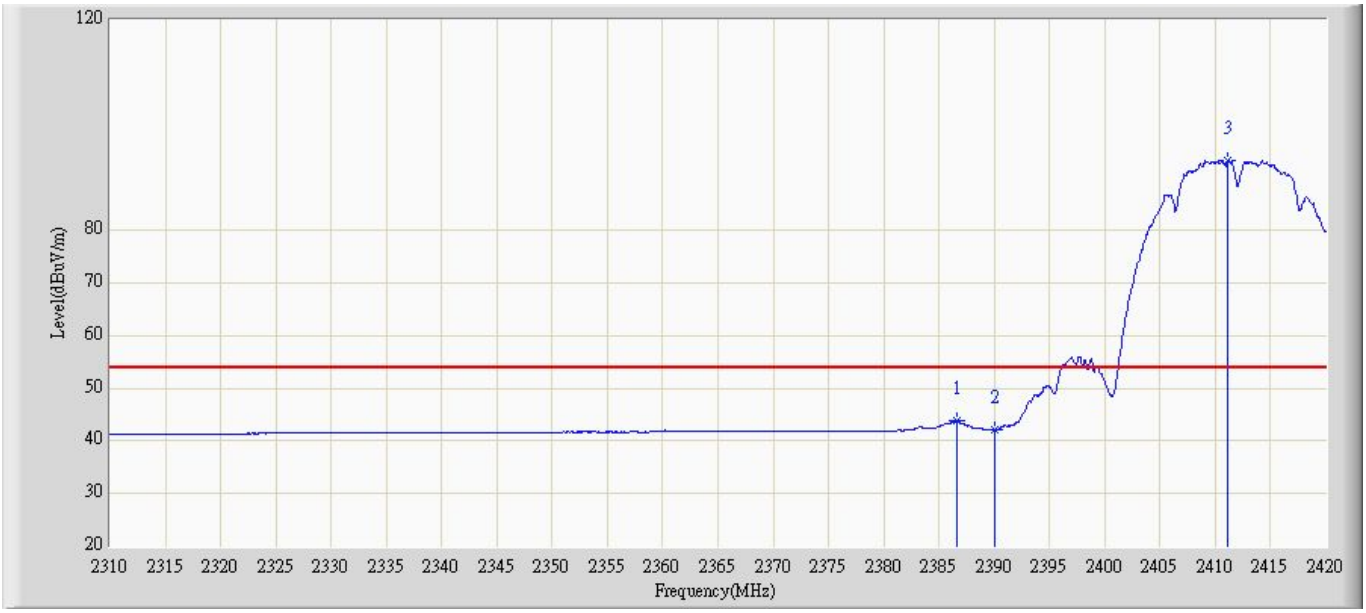
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.175	52.468	21.921	-1.532	54.000	30.547	AV
2		2390.000	45.285	14.730	-8.715	54.000	30.555	AV
3	*	2411.365	105.025	74.469	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 35
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 001)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	54.509	23.954	-19.491	74.000	30.555	PK
2	*	2413.895	97.259	66.703	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 36
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2412MHz by 802.11b (Chain 001)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.560	43.814	13.266	-10.186	54.000	30.548	AV
2		2390.000	42.163	11.608	-11.837	54.000	30.555	AV
3	*	2411.145	93.358	62.802	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 37
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.950	110.981	80.543	N/A	N/A	30.438	PK
2		2483.500	57.038	26.716	-16.962	74.000	30.321	PK
3		2487.975	61.564	31.260	-12.436	74.000	30.304	PK

Profile: 109S022R	Page No.: 38
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.325	106.190	75.748	N/A	N/A	30.442	AV
2		2483.500	44.578	14.256	-9.422	54.000	30.321	AV
3		2487.225	52.039	21.732	-1.961	54.000	30.307	AV
4		2496.275	44.397	14.126	-9.603	54.000	30.271	AV

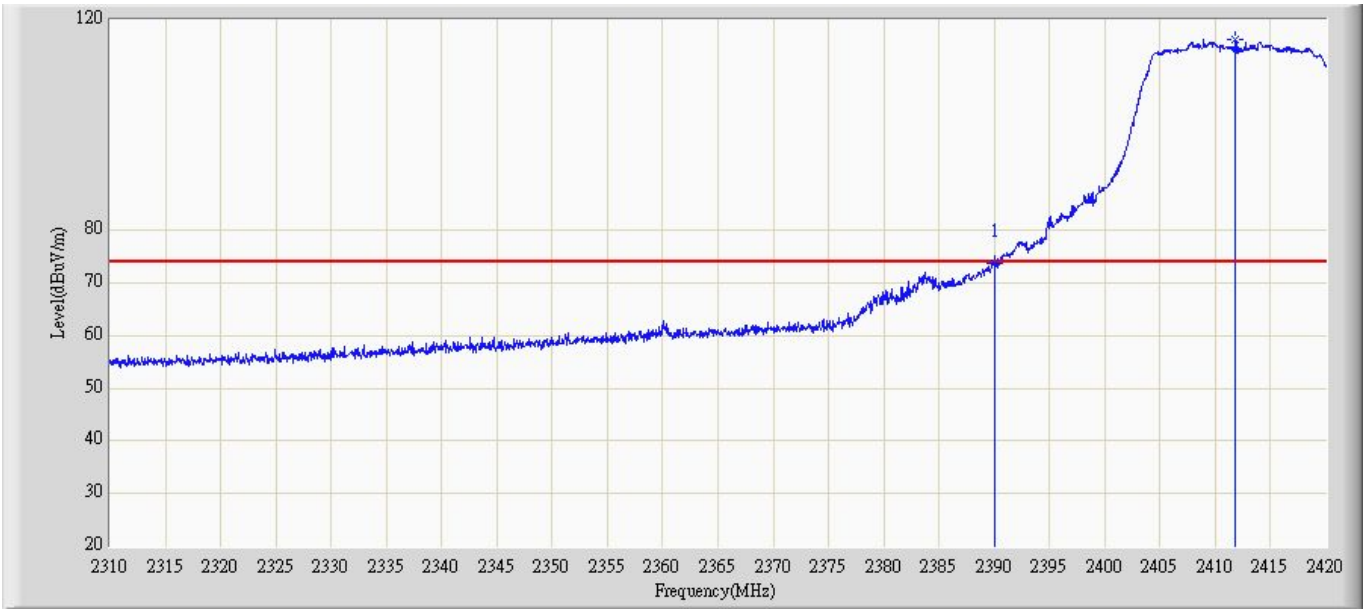
Profile: 109S022R	Page No.: 39
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.175	100.046	69.609	N/A	N/A	30.437	PK
2		2483.500	54.300	23.978	-19.700	74.000	30.321	PK

Profile: 109S022R	Page No.: 40
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 2462MHz by 802.11b (Chain 001)	

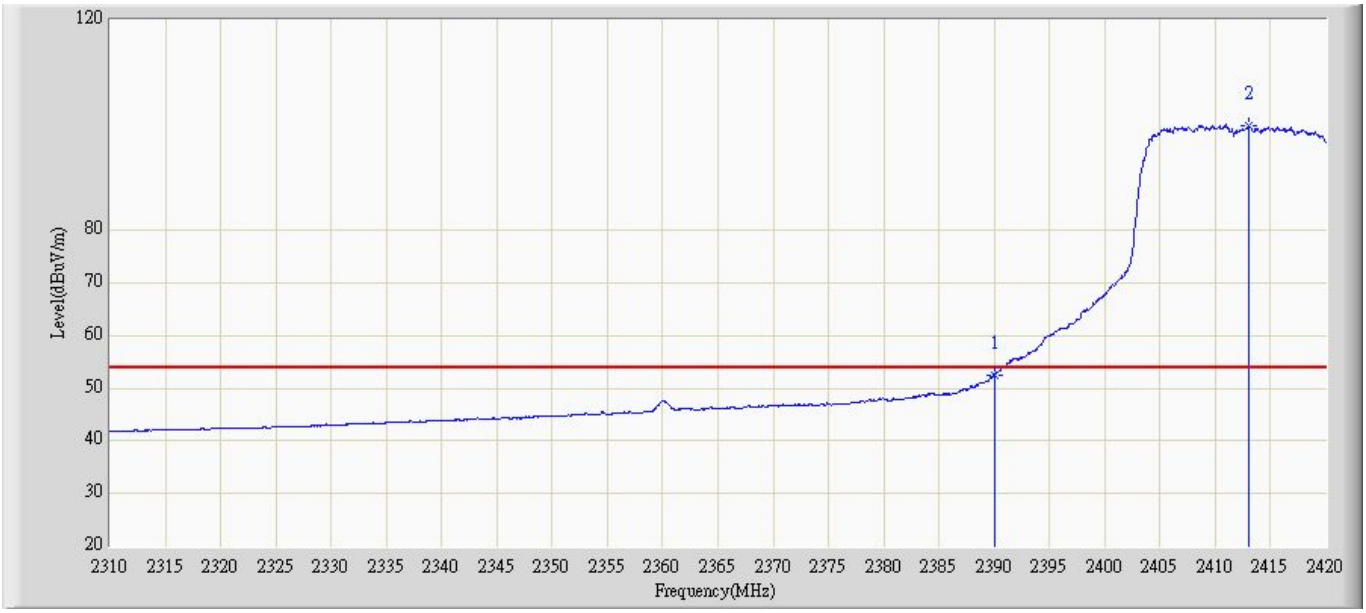
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.225	94.706	64.263	N/A	N/A	30.443	AV
2		2483.500	42.050	11.728	-11.950	54.000	30.321	AV
3		2487.150	43.190	12.883	-10.810	54.000	30.307	AV

Profile: 109S022R	Page No.: 41
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 001)	



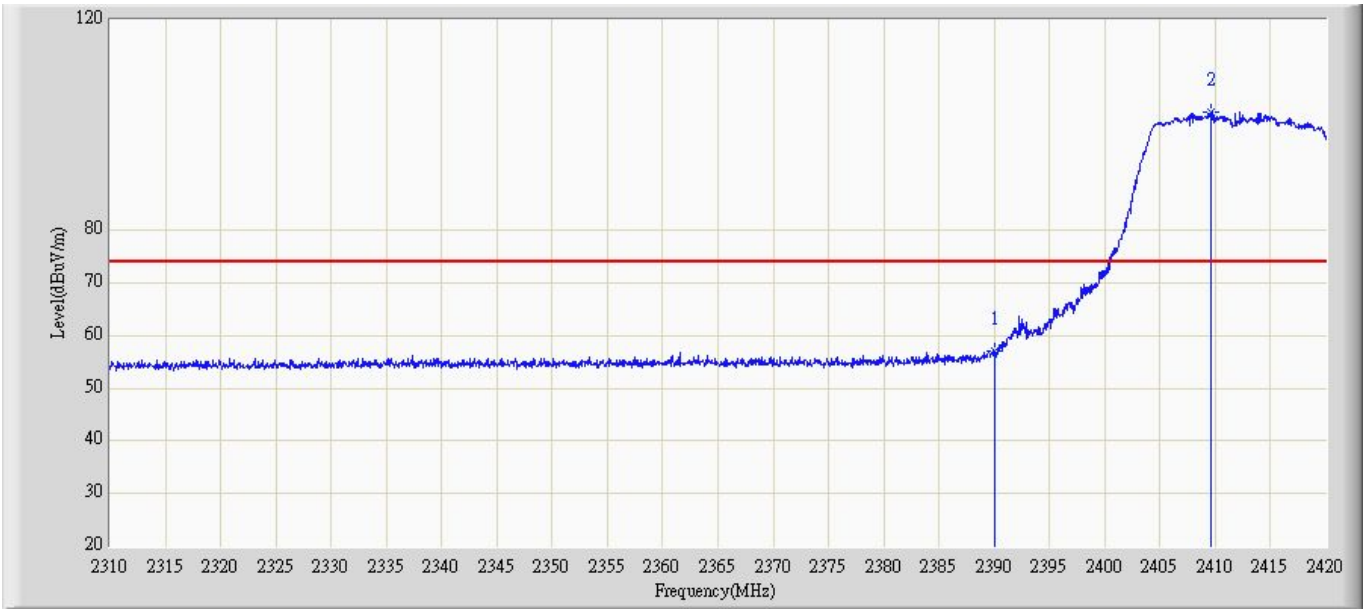
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	73.672	43.117	-0.328	74.000	30.555	PK
2	*	2411.805	116.309	85.753	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 42
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 001)	



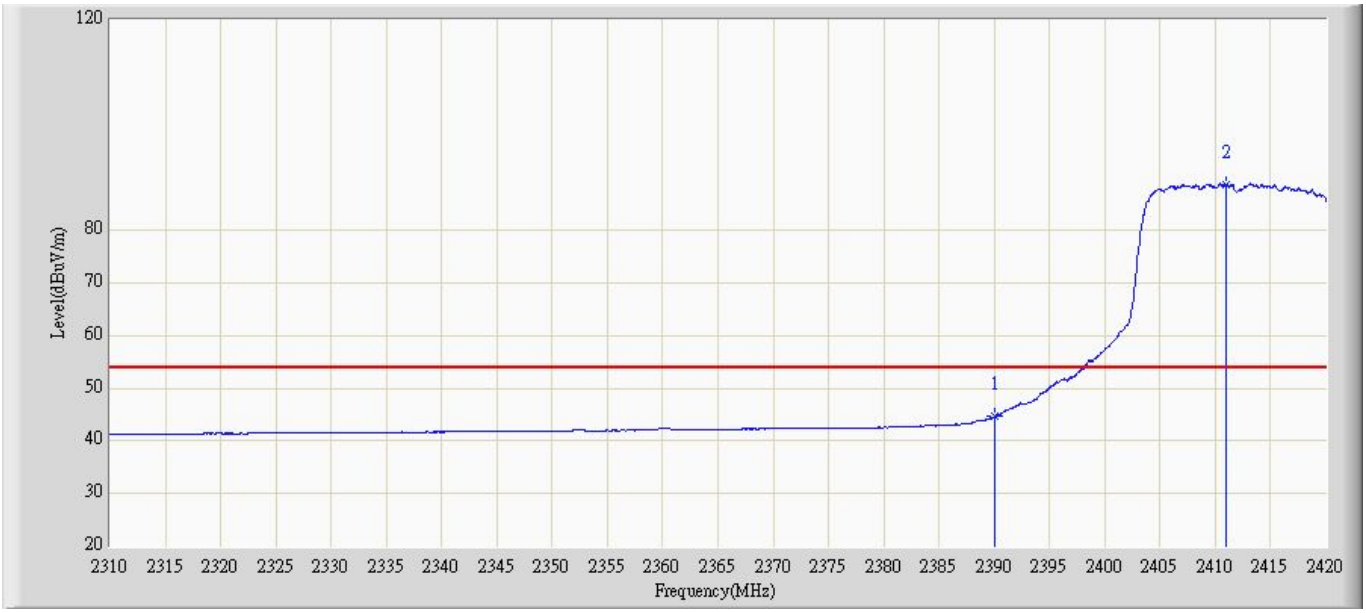
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.533	21.978	-1.467	54.000	30.555	AV
2	*	2413.015	99.981	69.425	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 43
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 001)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	57.015	26.460	-16.985	74.000	30.555	PK
2	*	2409.605	102.414	71.857	N/A	N/A	30.557	PK

Profile: 109S022R	Page No.: 44
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2412MHz by 802.11g (Chain 001)	

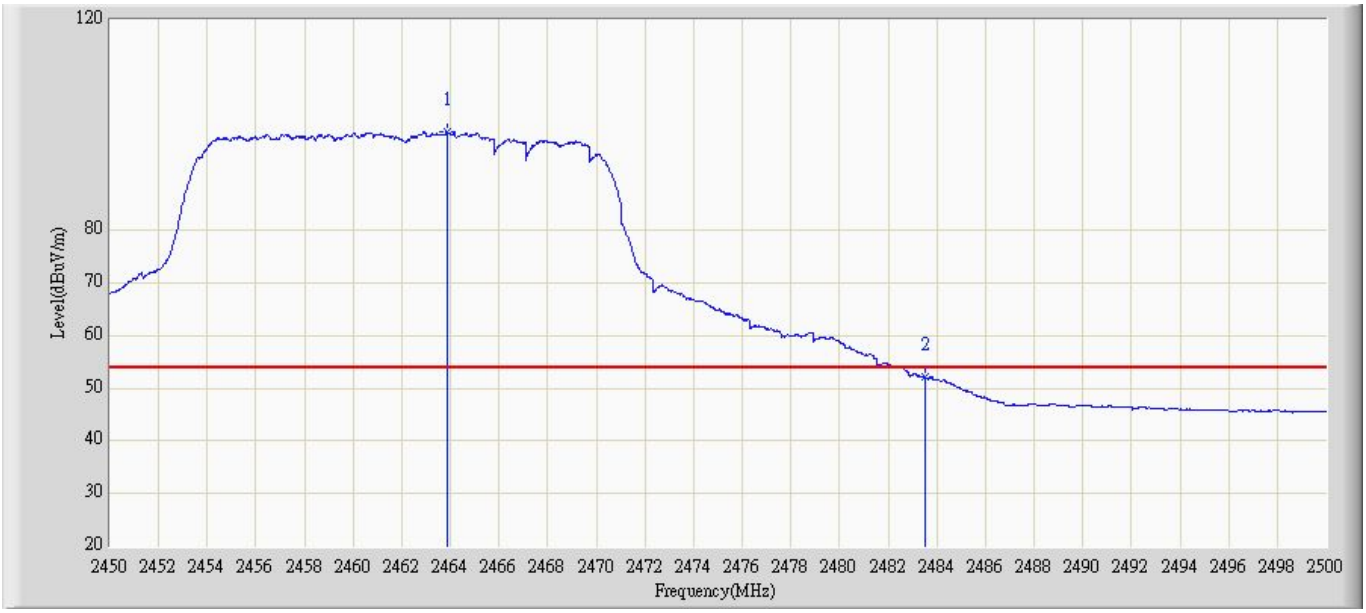


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.696	14.141	-9.304	54.000	30.555	AV
2	*	2411.035	88.814	58.258	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 45
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.175	114.007	83.570	N/A	N/A	30.437	PK
2		2483.500	67.027	36.705	-6.973	74.000	30.321	PK

Profile: 109S022R	Page No.: 46
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 001)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.850	98.789	68.361	N/A	N/A	30.427	AV
2		2483.500	52.122	21.800	-1.878	54.000	30.321	AV

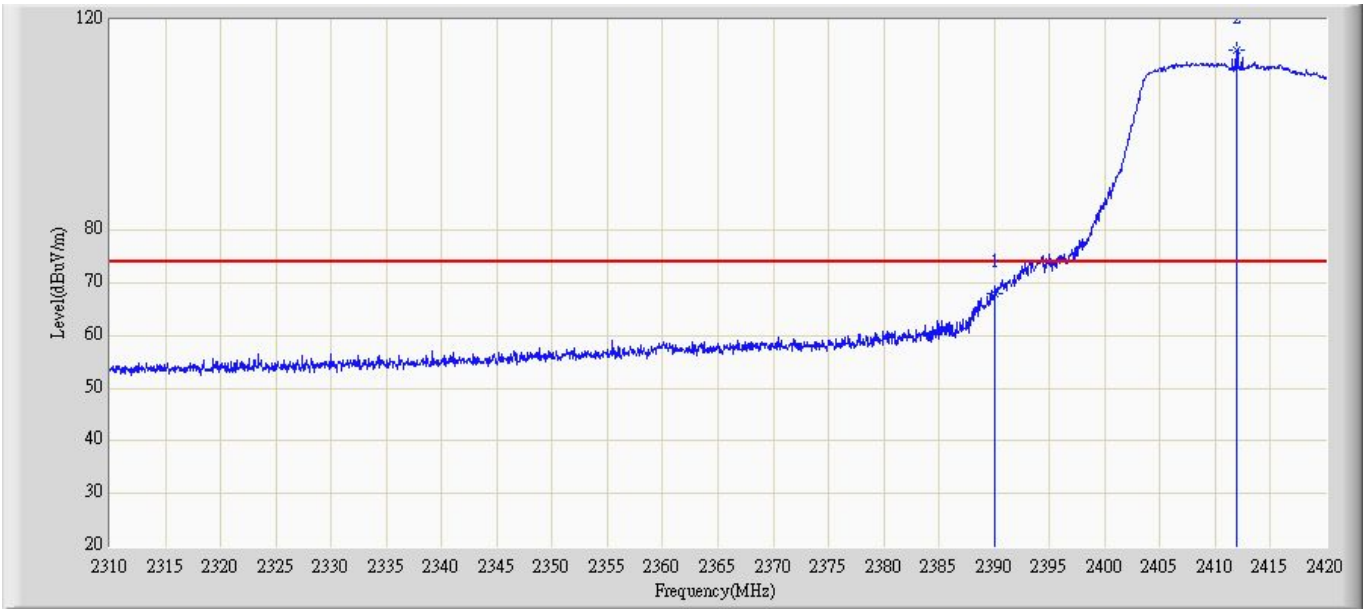
Profile: 109S022R	Page No.: 47
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.800	103.614	73.175	N/A	N/A	30.439	PK
2		2483.500	58.564	28.242	-15.436	74.000	30.321	PK

Profile: 109S022R	Page No.: 48
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 2462MHz by 802.11g (Chain 001)	

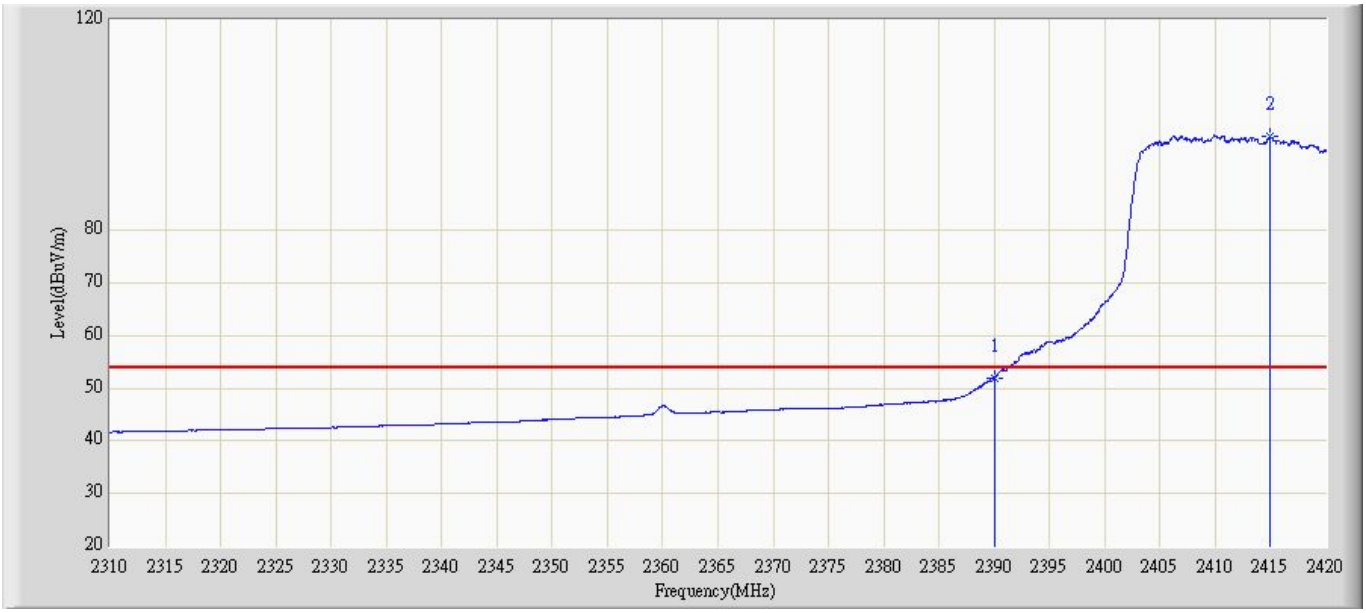
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.100	86.714	56.271	N/A	N/A	30.443	AV
2		2483.500	44.150	13.828	-9.850	54.000	30.321	AV

Profile: 109S022R	Page No.: 49
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 20:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 001)	



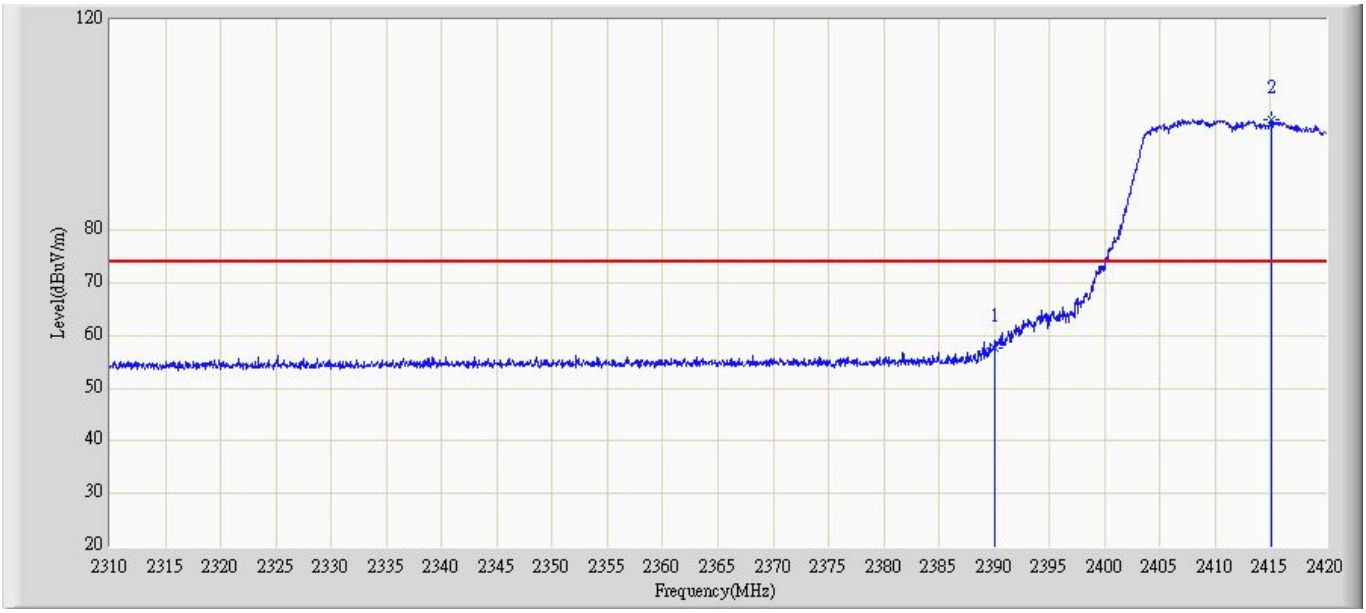
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.084	37.529	-5.916	74.000	30.555	PK
2	*	2411.970	114.189	83.633	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 50
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 001)	



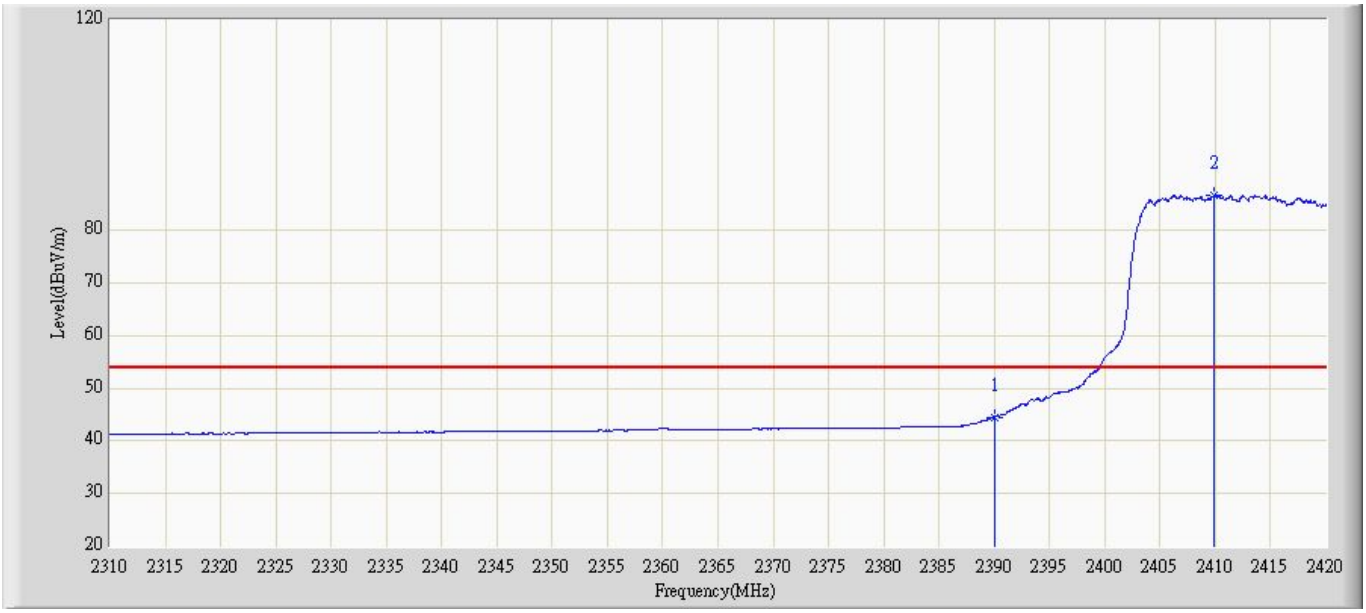
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.027	21.472	-1.973	54.000	30.555	AV
2	*	2414.940	97.844	67.288	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 51
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 001)	



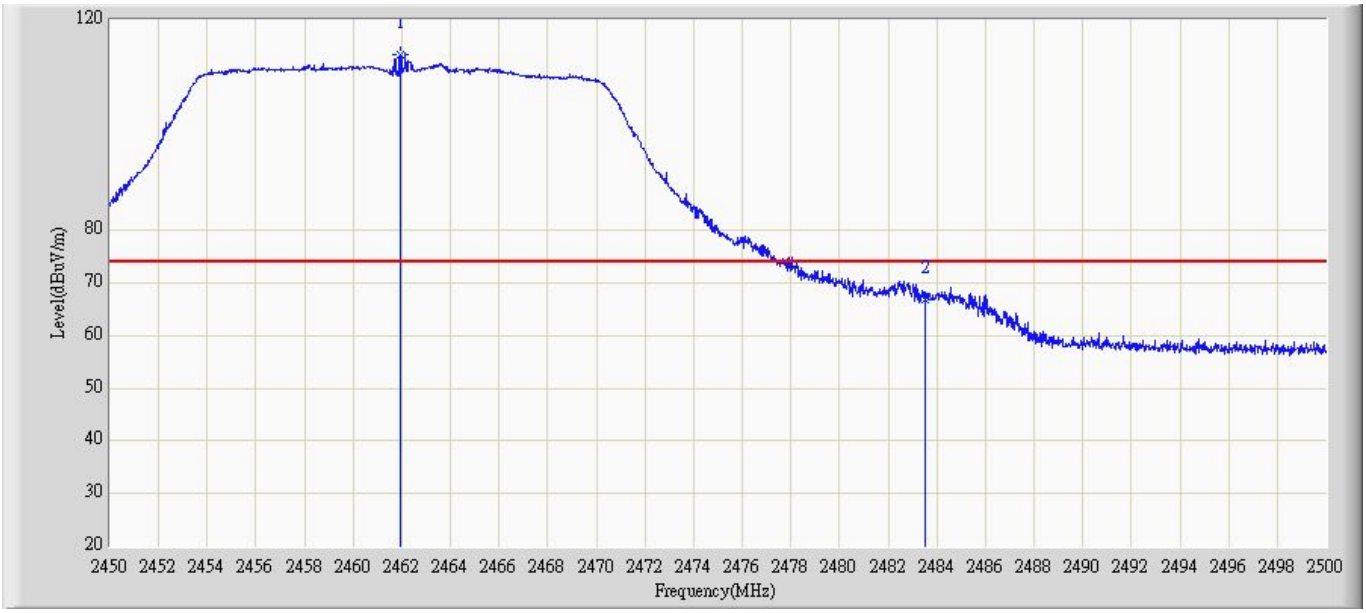
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	57.650	27.095	-16.350	74.000	30.555	PK
2	*	2415.105	100.936	70.380	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 52
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 001)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.508	13.953	-9.492	54.000	30.555	AV
2	*	2409.935	86.739	56.183	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 53
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 001)	

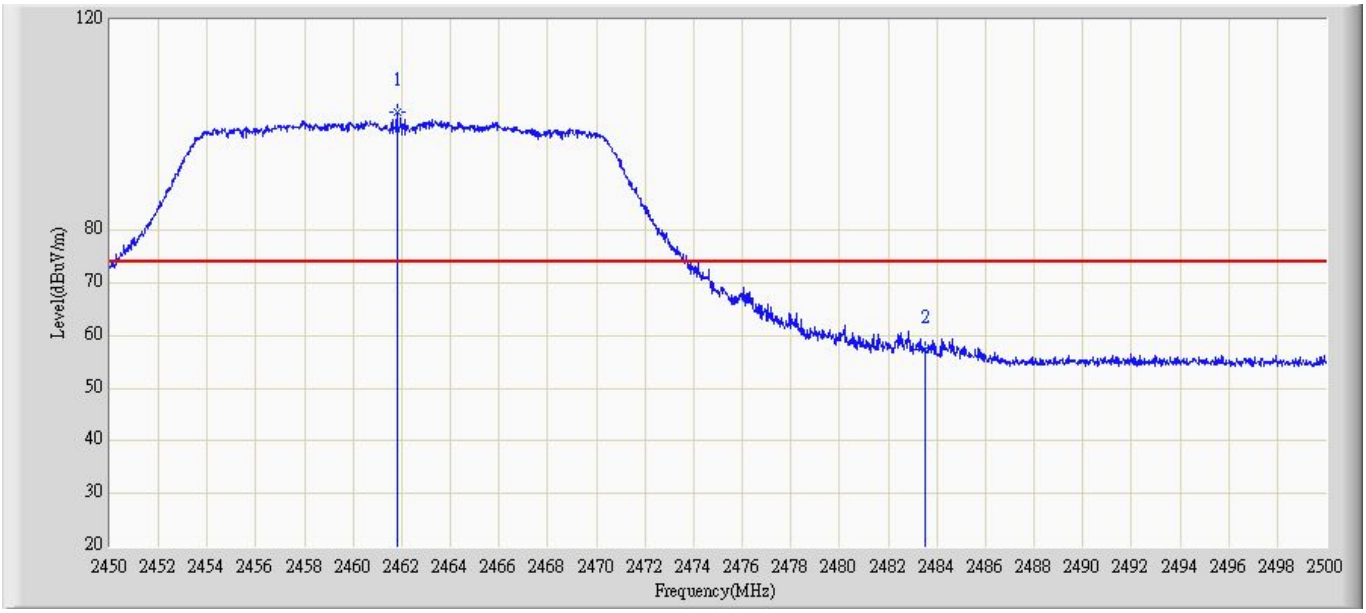


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.925	113.458	83.019	N/A	N/A	30.438	PK
2		2483.500	66.788	36.466	-7.212	74.000	30.321	PK

Profile: 109S022R	Page No.: 54
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 001)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.950	97.233	66.806	N/A	N/A	30.427	AV
2		2483.500	51.637	21.315	-2.363	54.000	30.321	AV

Profile: 109S022R	Page No.: 55
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 001)	

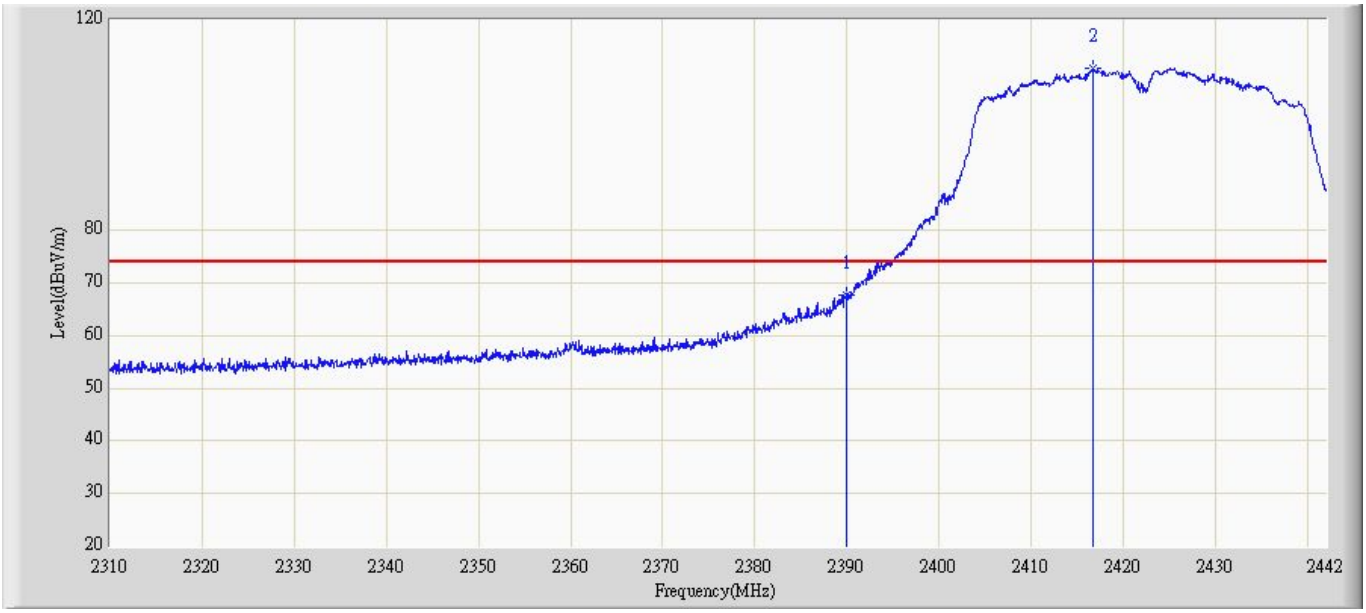


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.800	102.370	71.931	N/A	N/A	30.439	PK
2		2483.500	57.328	27.006	-16.672	74.000	30.321	PK

Profile: 109S022R	Page No.: 56
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 001)	

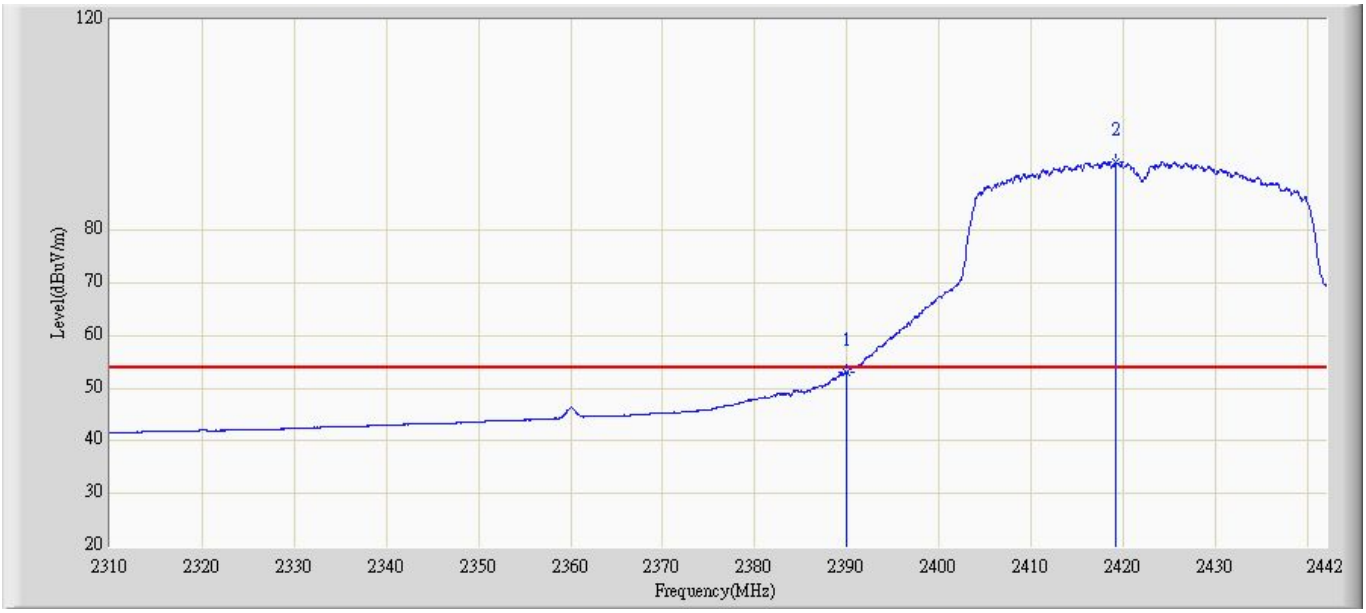
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.600	86.035	55.612	N/A	N/A	30.423	AV
2		2483.500	44.051	13.729	-9.949	54.000	30.321	AV

Profile: 109S022R	Page No.: 57
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 001)	



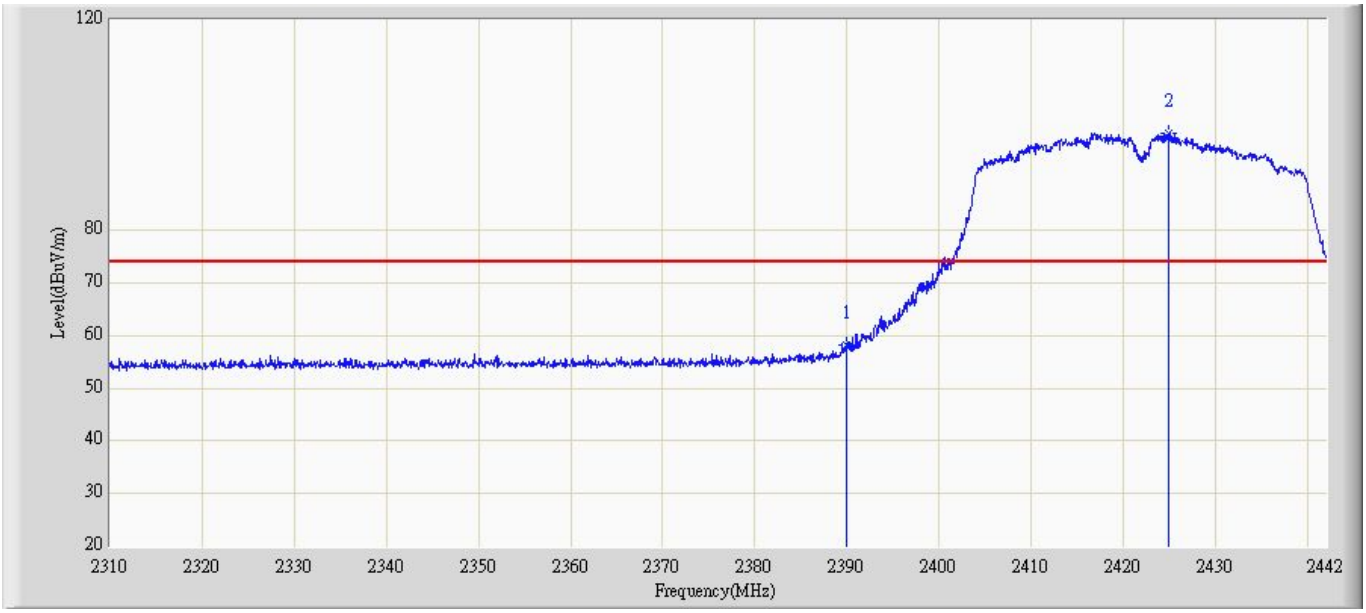
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.765	37.210	-6.235	74.000	30.555	PK
2	*	2416.788	110.910	80.354	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 58
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 001)	



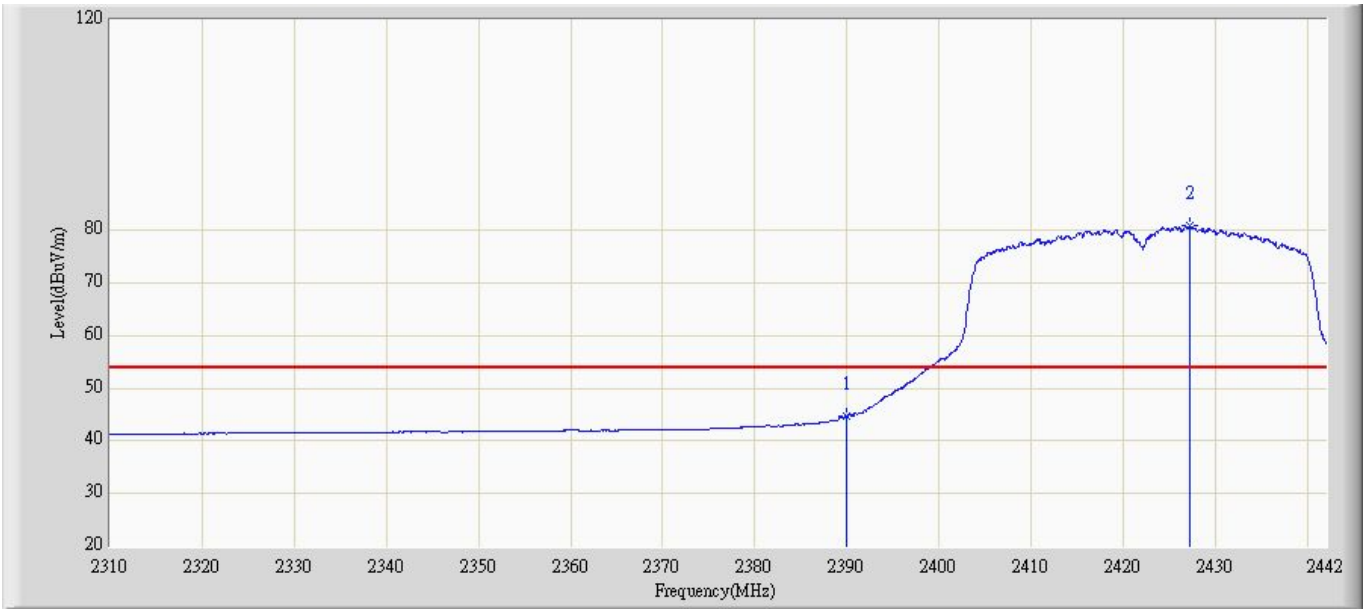
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.937	22.382	-1.063	54.000	30.555	AV
2	*	2419.230	92.989	62.433	N/A	N/A	30.555	AV

Profile: 109S022R	Page No.: 59
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 001)	



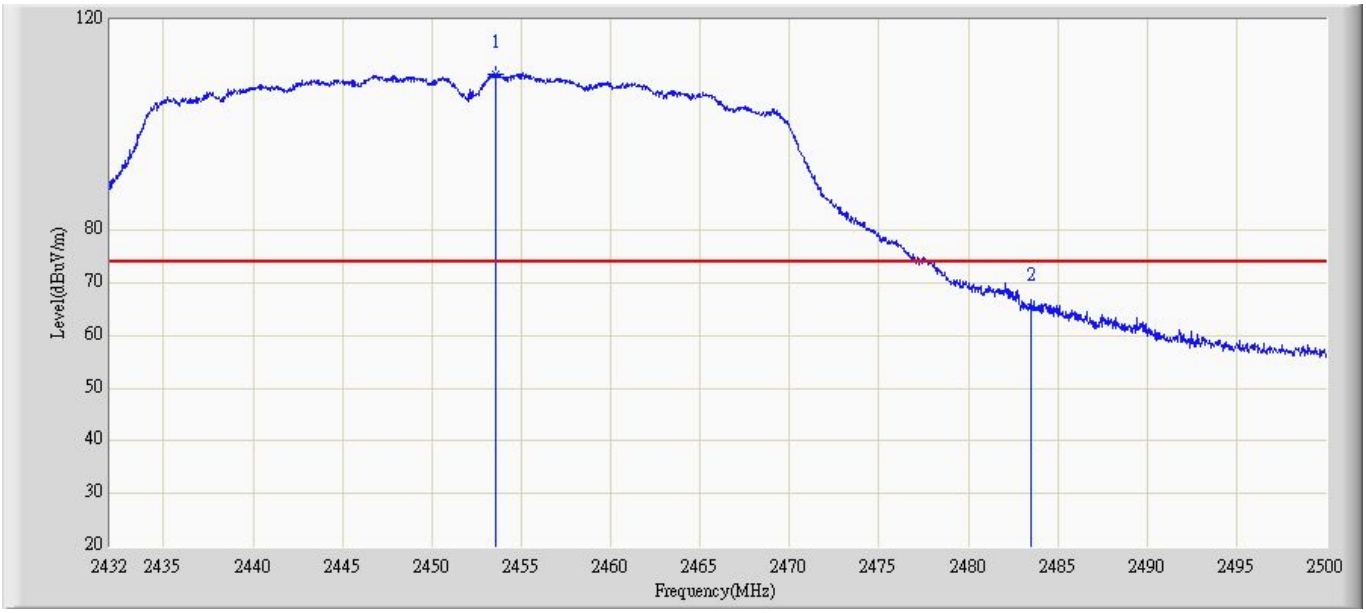
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	58.197	27.642	-15.803	74.000	30.555	PK
2	*	2424.972	98.497	67.942	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 60
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 001)	



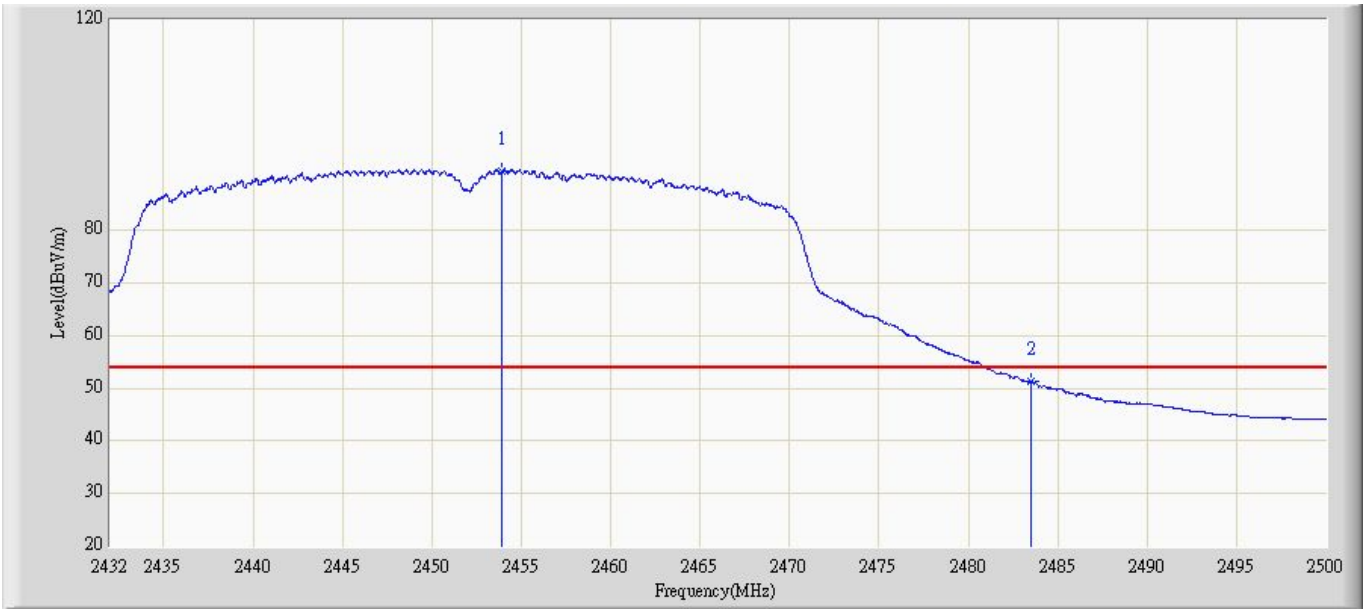
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	44.741	14.186	-9.259	54.000	30.555	AV
2	*	2427.150	80.792	50.237	N/A	N/A	30.555	AV

Profile: 109S022R	Page No.: 61
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 001)	



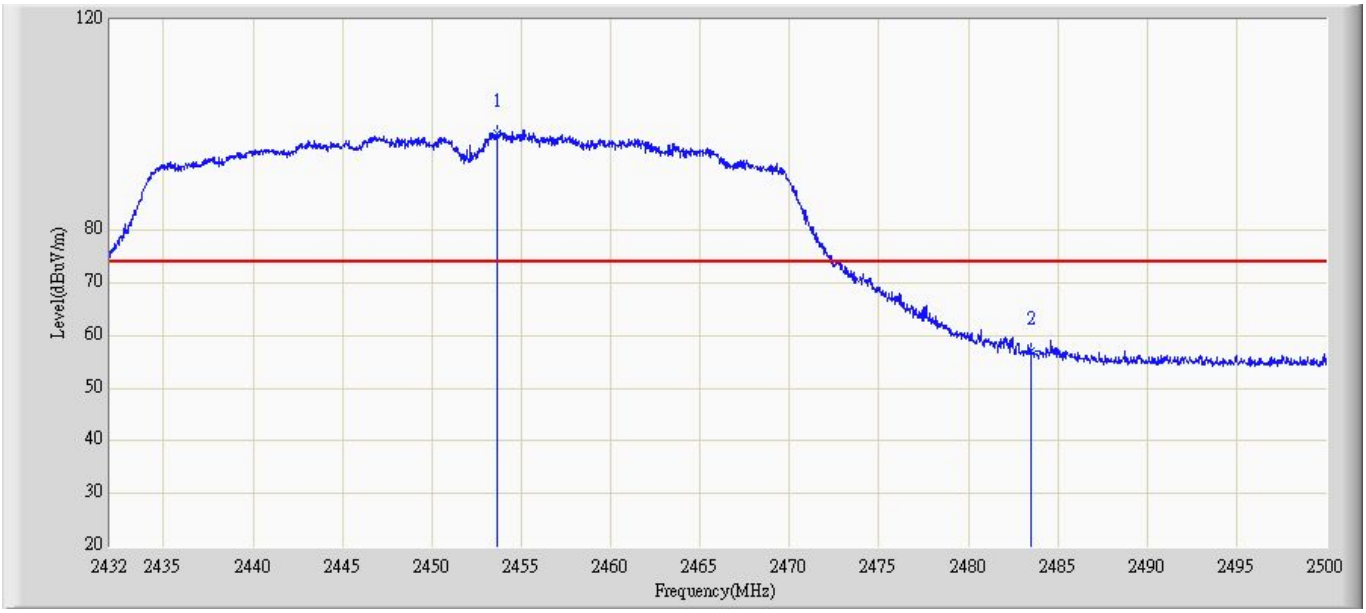
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.590	109.669	79.183	N/A	N/A	30.485	PK
2		2483.500	65.403	35.081	-8.597	74.000	30.321	PK

Profile: 109S022R	Page No.: 62
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 001)	



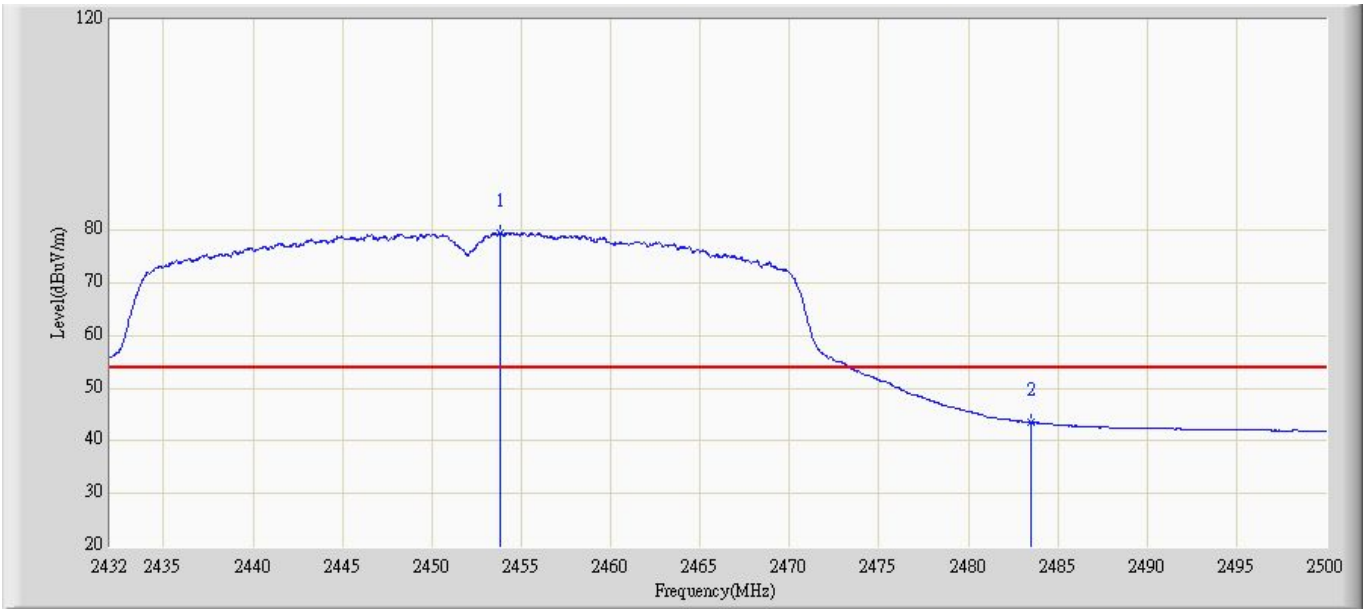
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.930	91.361	60.877	N/A	N/A	30.483	AV
2		2483.500	51.384	21.062	-2.616	54.000	30.321	AV

Profile: 109S022R	Page No.: 63
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 001)	



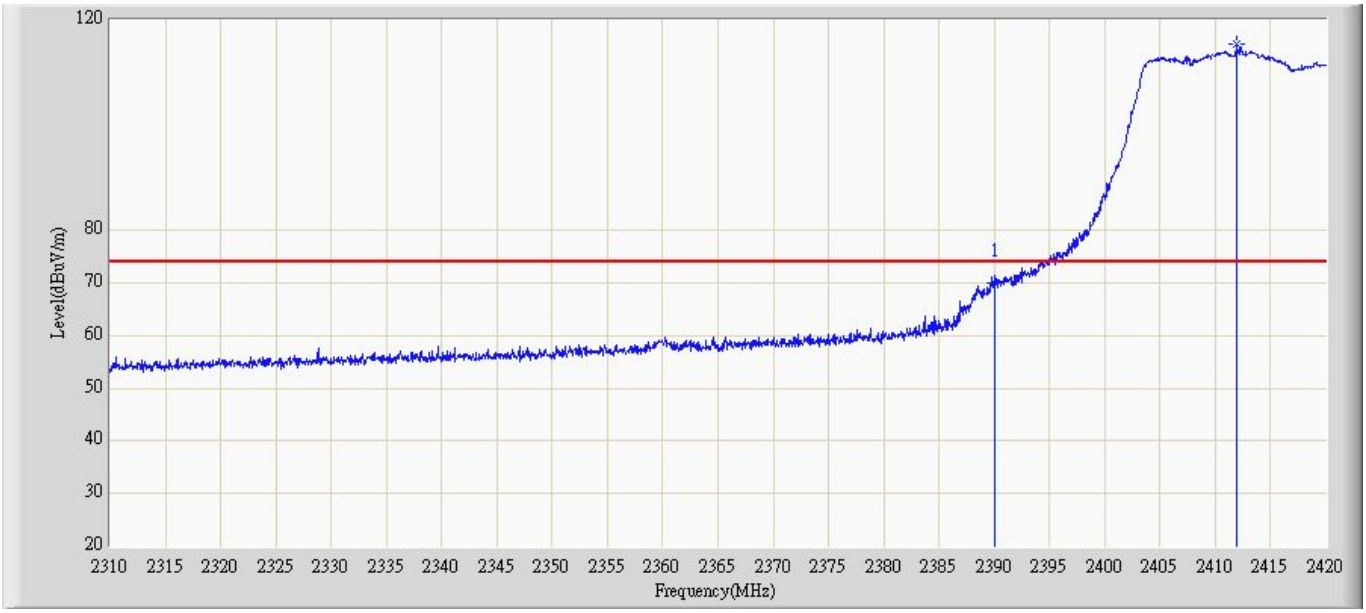
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.658	98.462	67.977	N/A	N/A	30.485	PK
2		2483.500	56.939	26.617	-17.061	74.000	30.321	PK

Profile: 109S022R	Page No.: 64
Engineer: Steven	
Site: AC5	Time: 2010/09/20 - 21:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 001)	



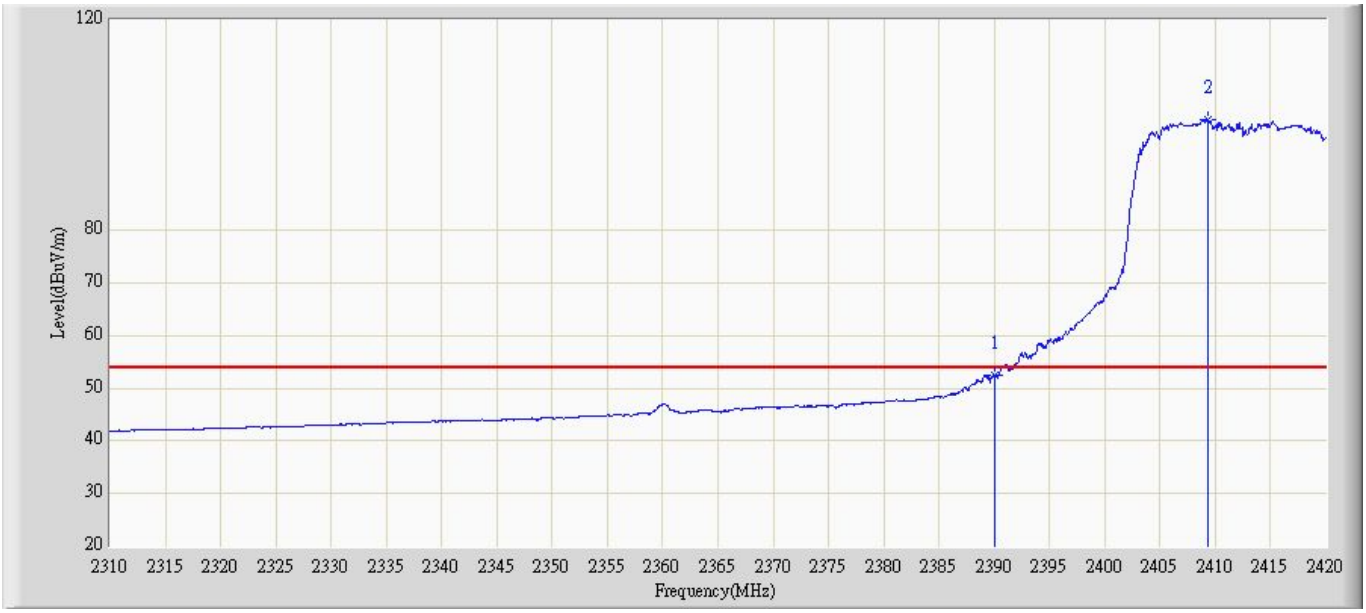
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.862	79.564	49.080	N/A	N/A	30.484	AV
2		2483.500	43.603	13.281	-10.397	54.000	30.321	AV

Profile: 109S022R	Page No.: 65
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 101)	



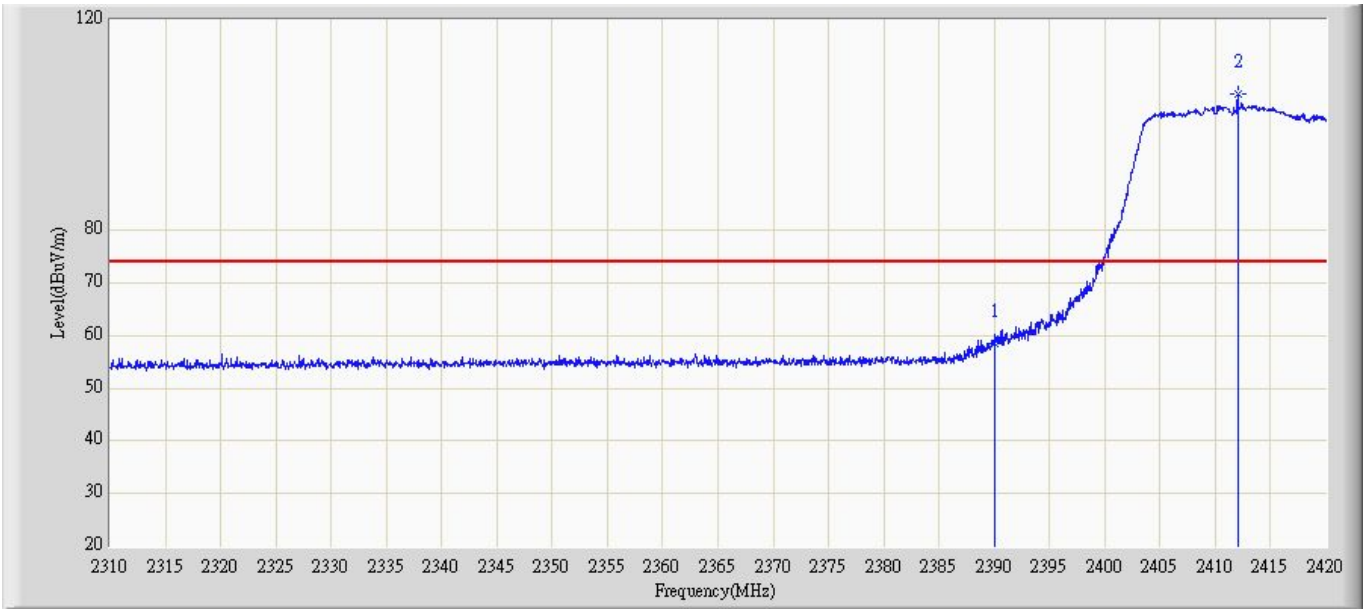
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	70.049	39.494	-3.951	74.000	30.555	PK
2	*	2411.970	115.301	84.745	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 66
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 101)	



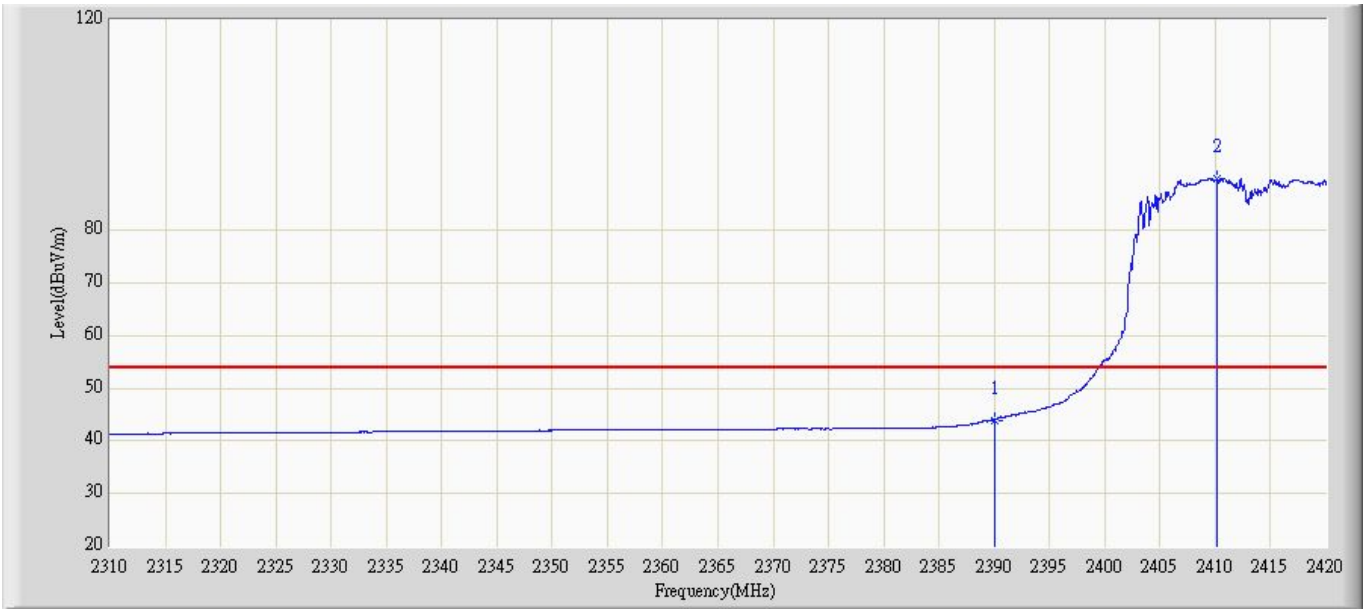
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.517	21.962	-1.483	54.000	30.555	AV
2	*	2409.275	100.947	70.390	N/A	N/A	30.557	AV

Profile: 109S022R	Page No.: 67
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 101)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	58.392	27.837	-15.608	74.000	30.555	PK
2	*	2412.025	105.955	75.399	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 68
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2412MHz by 802.11n(20MHz) (Chain 101)	

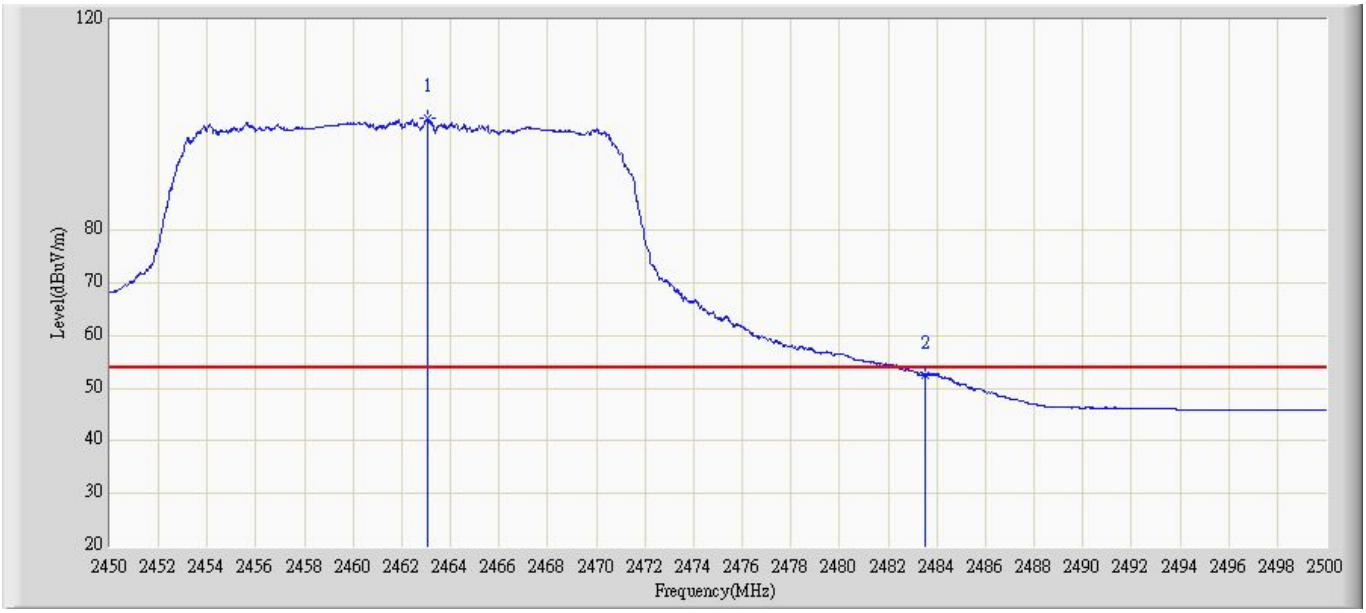


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.990	13.435	-10.010	54.000	30.555	AV
2	*	2410.210	89.750	59.194	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 69
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 101)	

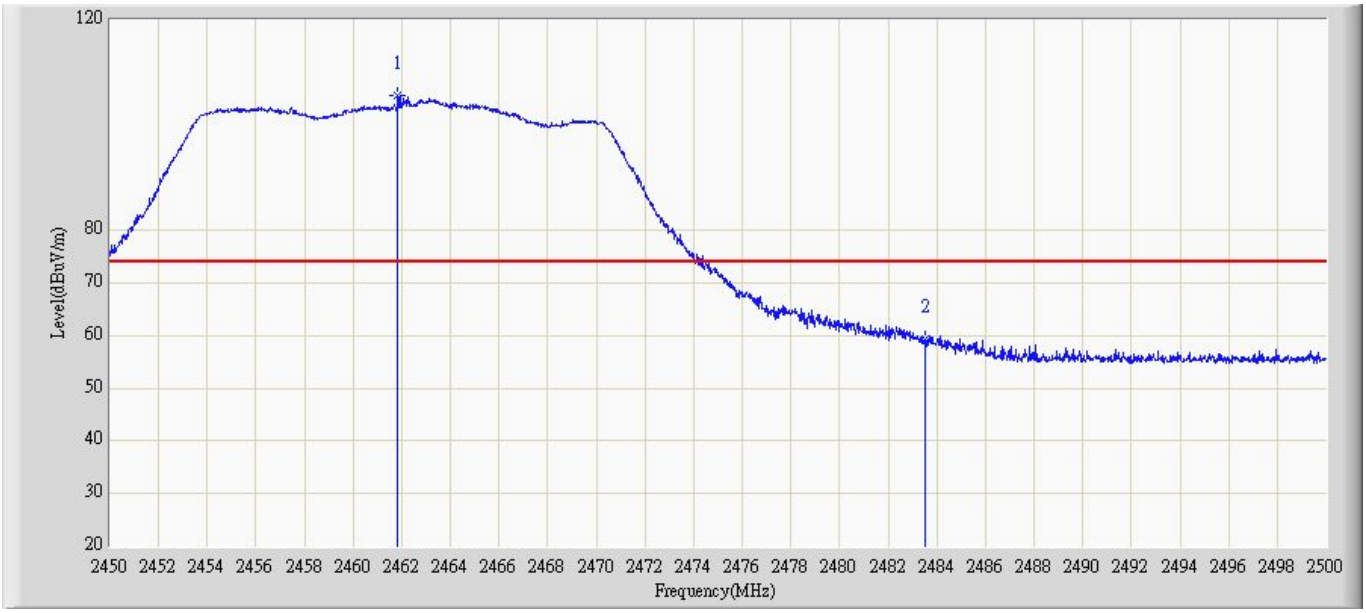
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.275	115.754	85.317	N/A	N/A	30.436	PK
2		2483.500	68.596	38.274	-5.404	74.000	30.321	PK

Profile: 109S022R	Page No.: 70
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 101)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.075	101.301	70.869	N/A	N/A	30.432	AV
2		2483.500	52.495	22.173	-1.505	54.000	30.321	AV

Profile: 109S022R	Page No.: 71
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 101)	

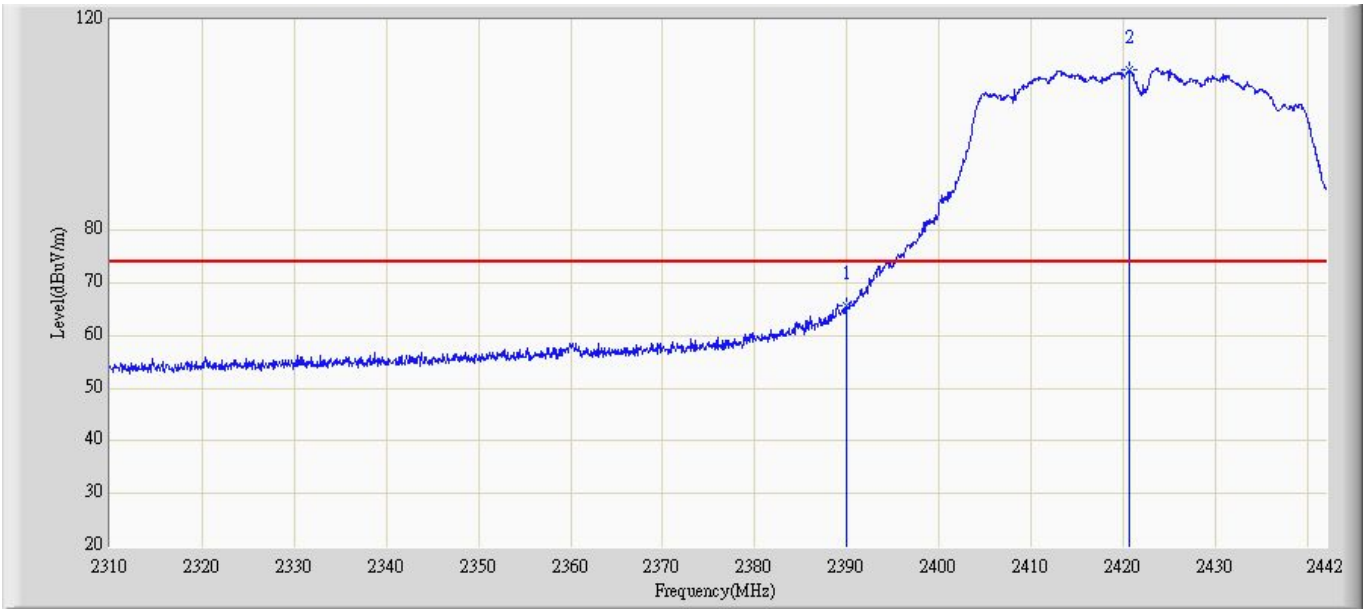


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.825	105.702	75.263	N/A	N/A	30.439	PK
2		2483.500	59.409	29.087	-14.591	74.000	30.321	PK

Profile: 109S022R	Page No.: 72
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 09:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 2462MHz by 802.11n(20MHz) (Chain 101)	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.550	90.988	60.542	N/A	N/A	30.447	AV
2		2483.500	44.831	14.509	-9.169	54.000	30.321	AV

Profile: 109S022R	Page No.: 73
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 101)	

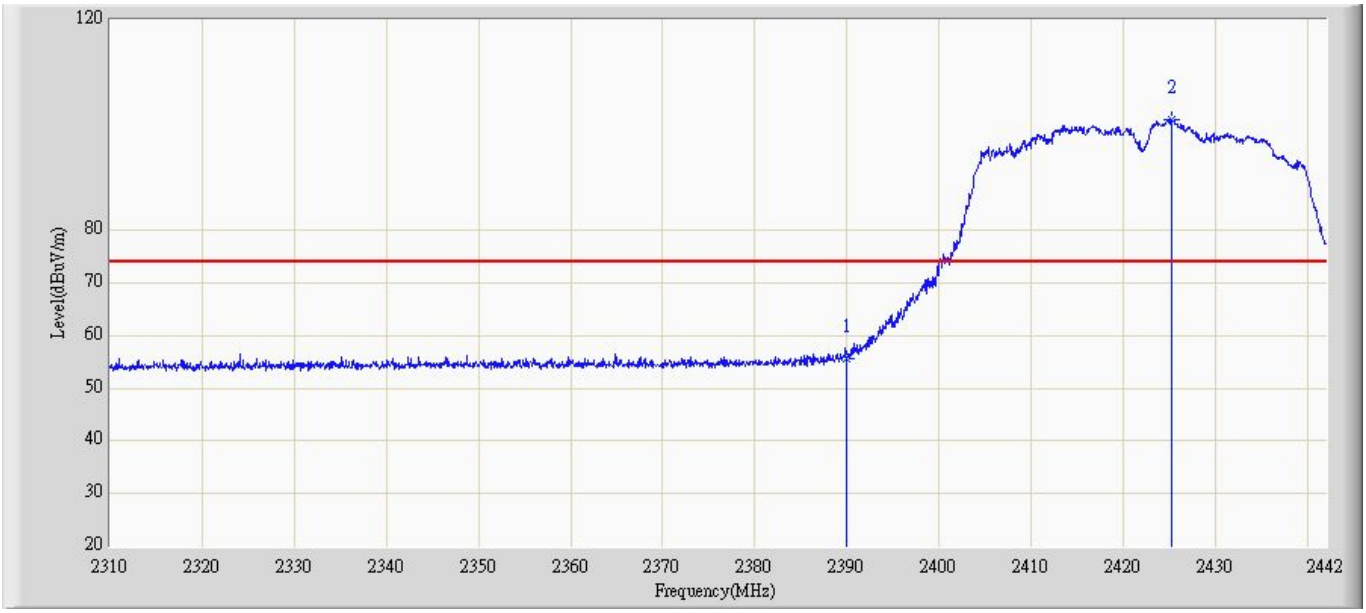


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.596	35.041	-8.404	74.000	30.555	PK
2	*	2420.616	110.492	79.937	N/A	N/A	30.555	PK

Profile: 109S022R	Page No.: 74
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 101)	

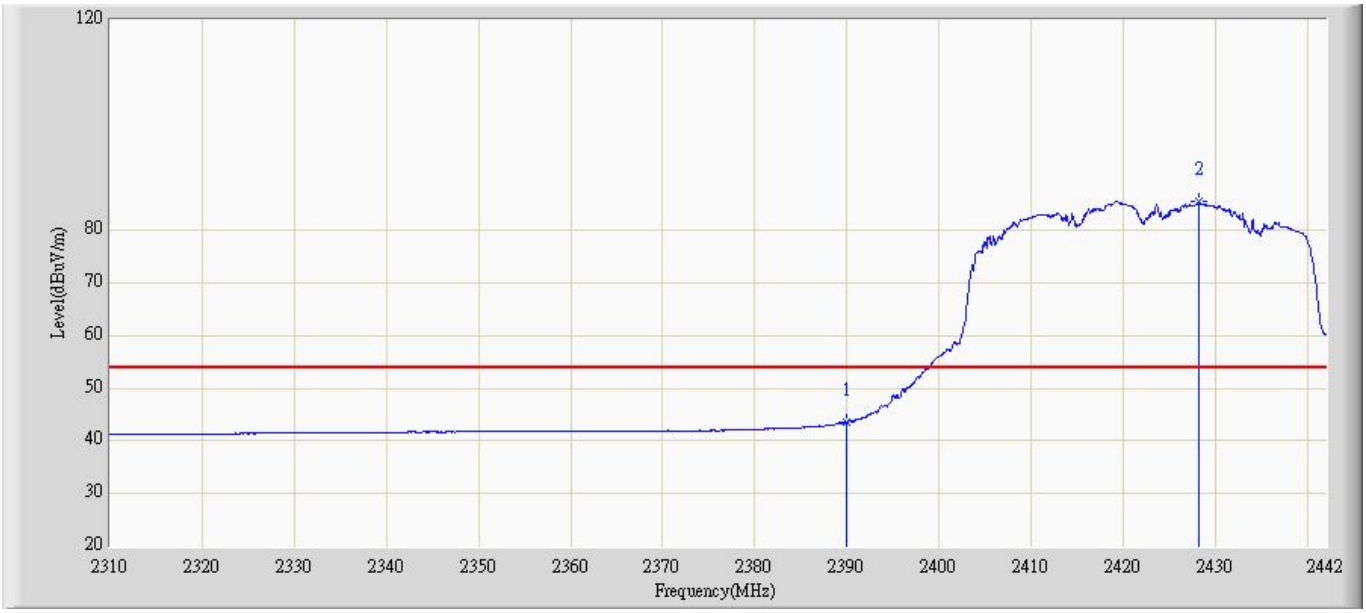
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.742	22.187	-1.258	54.000	30.555	AV
2	*	2418.372	96.706	66.150	N/A	N/A	30.556	AV

Profile: 109S022R	Page No.: 75
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 101)	



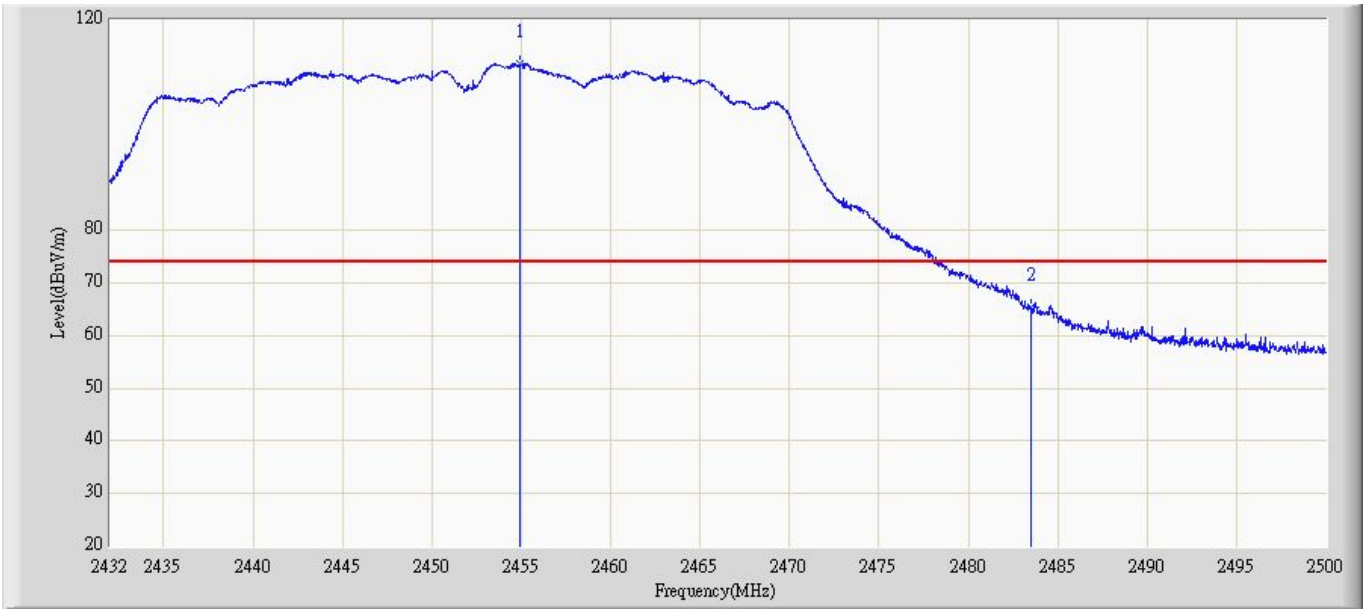
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	55.647	25.092	-18.353	74.000	30.555	PK
2	*	2425.302	101.058	70.503	N/A	N/A	30.556	PK

Profile: 109S022R	Page No.: 76
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2422MHz by 802.11n(40MHz) (Chain 101)	



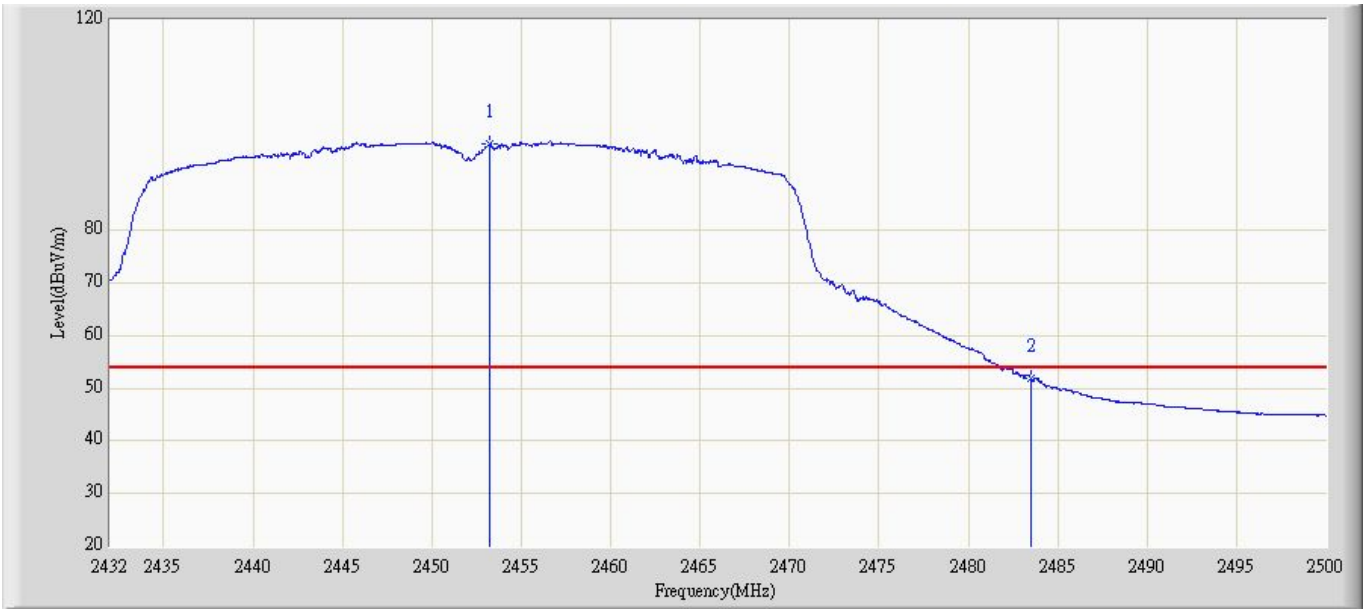
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.602	13.047	-10.398	54.000	30.555	AV
2	*	2428.272	85.448	54.893	N/A	N/A	30.555	AV

Profile: 109S022R	Page No.: 77
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 101)	



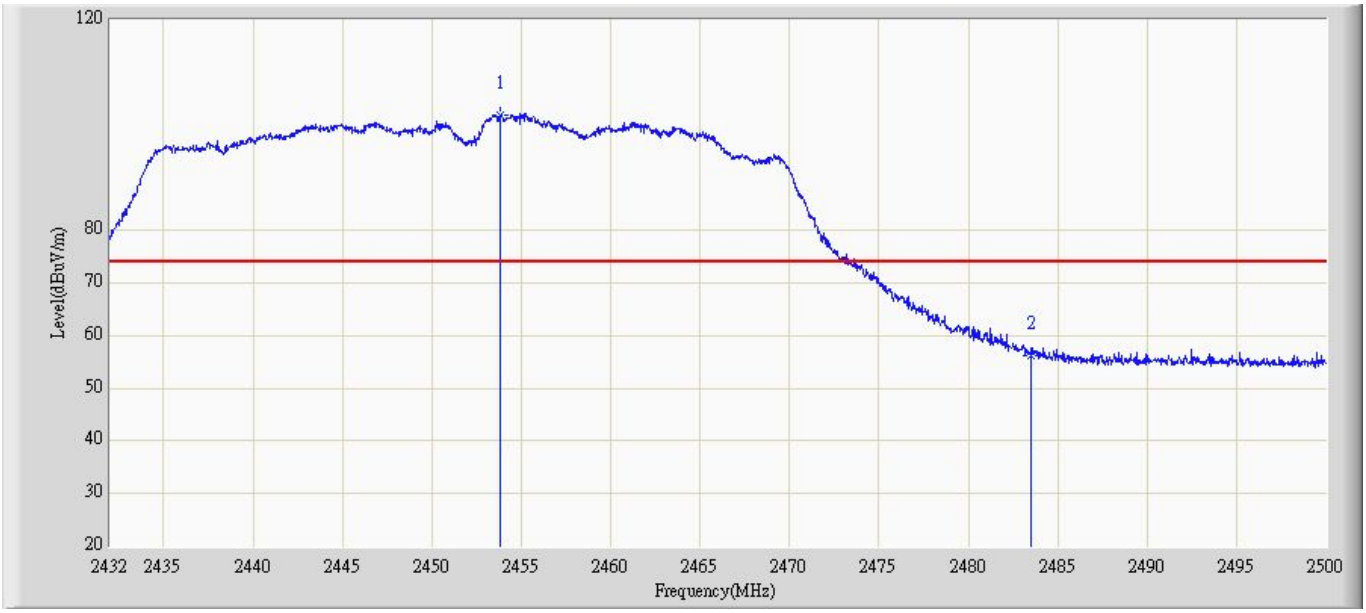
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.882	111.535	81.057	N/A	N/A	30.479	PK
2		2483.500	65.259	34.937	-8.741	74.000	30.321	PK

Profile: 109S022R	Page No.: 78
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 101)	



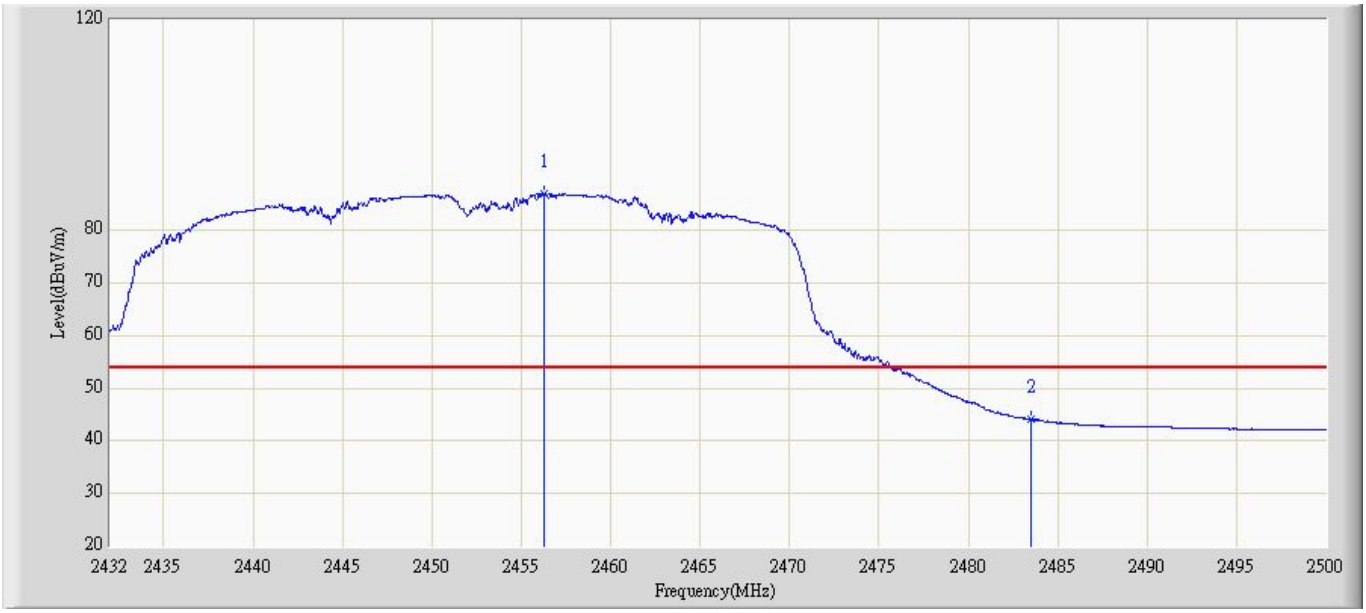
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.250	96.570	66.082	N/A	N/A	30.487	AV
2		2483.500	51.779	21.457	-2.221	54.000	30.321	AV

Profile: 109S022R	Page No.: 79
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 101)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.828	101.882	71.398	N/A	N/A	30.484	PK
2		2483.500	56.264	25.942	-17.736	74.000	30.321	PK

Profile: 109S022R	Page No.: 80
Engineer: Steven	
Site: AC5	Time: 2010/09/21 - 10:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: AirPcap Nx	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 2452MHz by 802.11n(40MHz) (Chain 101)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.242	86.985	56.514	N/A	N/A	30.471	AV
2		2483.500	44.115	13.793	-9.885	54.000	30.321	AV

7. Operation Frequency Range of 20dB Bandwidth

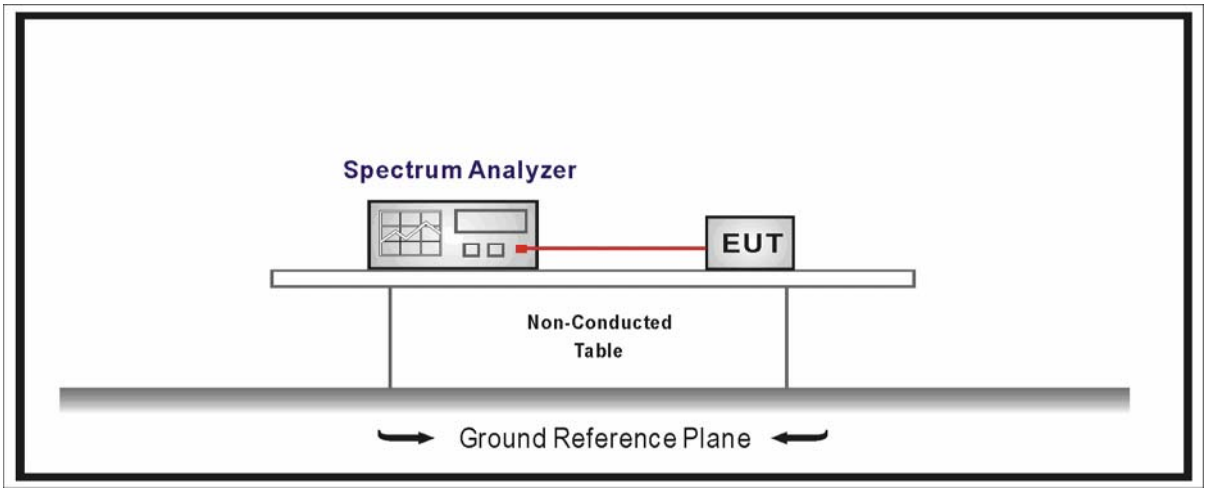
7.1. Test Equipment

Operation Frequency Range of 20dB Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2010.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2010.05.04

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

7.2. Test Setup



7.3. Limit

20 dB bandwidth of the emission is contained within the operation frequency band.

7.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

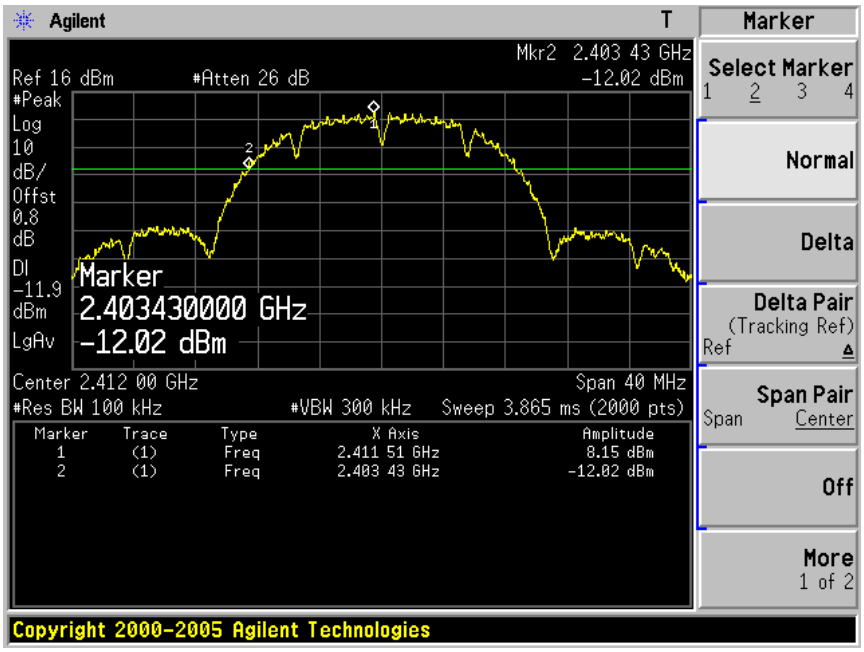
7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

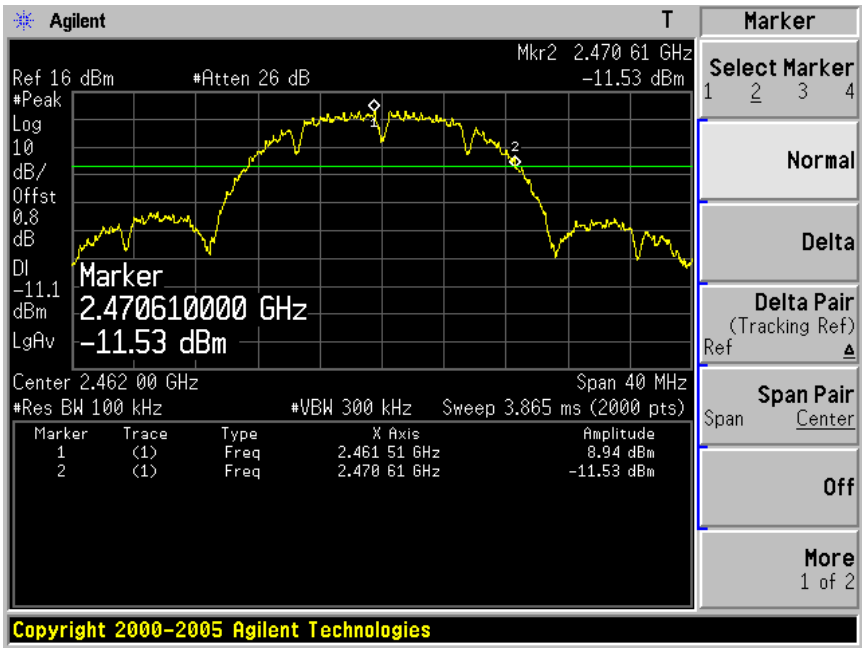
7.6. Test Result

Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 100)

Channel 01 (2412MHz)

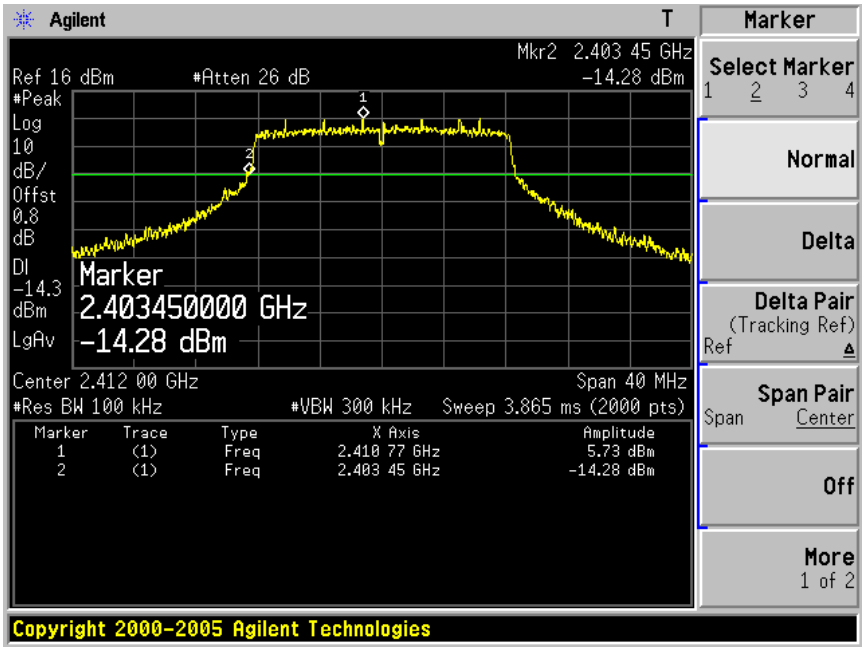


Channel 11 (2462MHz)

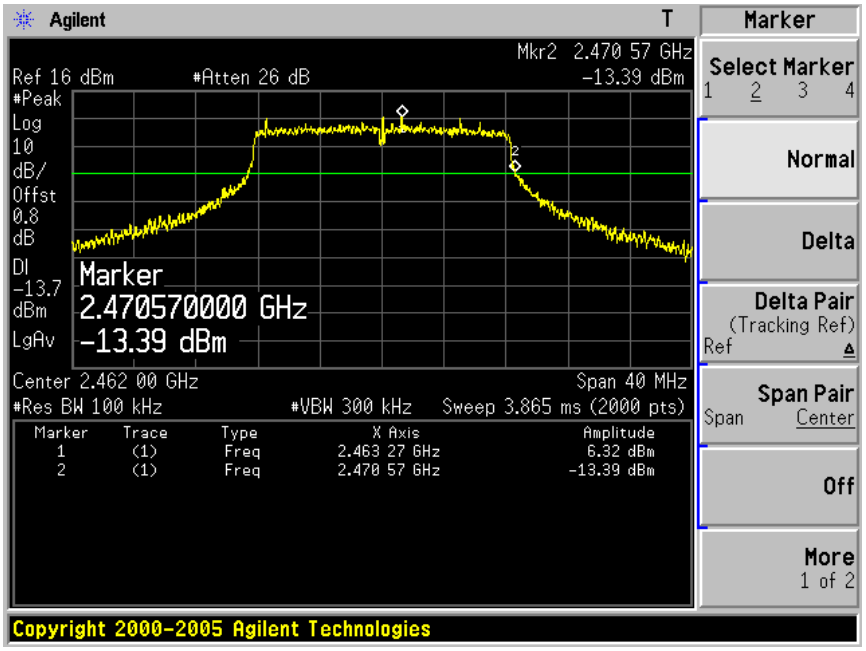


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 100)

Channel 01 (2412MHz)

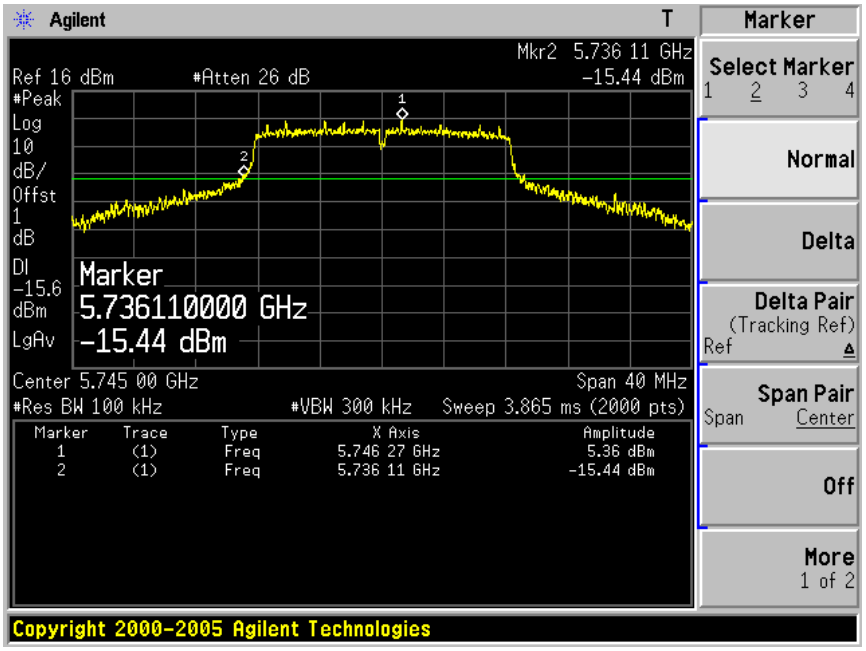


Channel 11 (2462MHz)

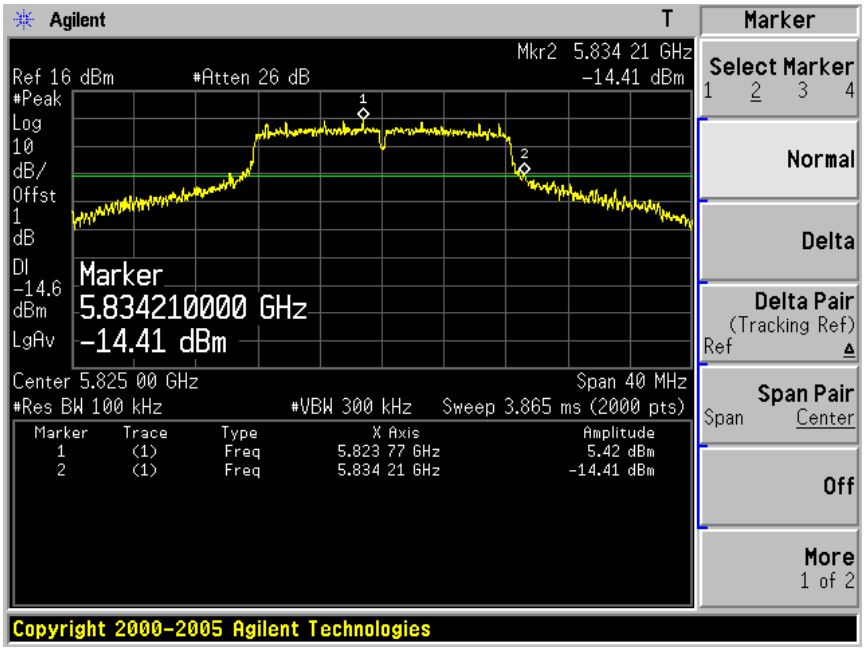


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 100)

Channel 149 (5745MHz)

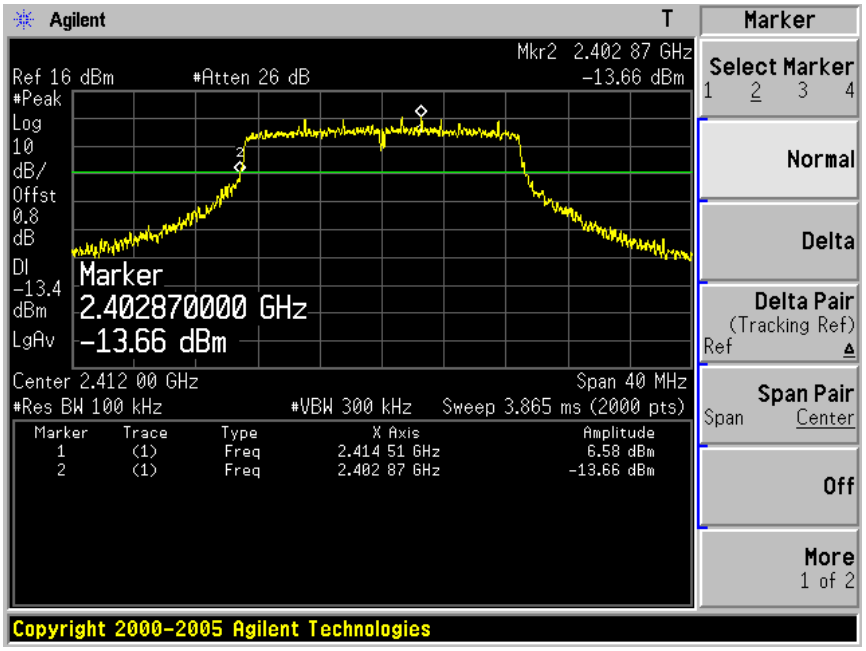


Channel 165 (5825MHz)

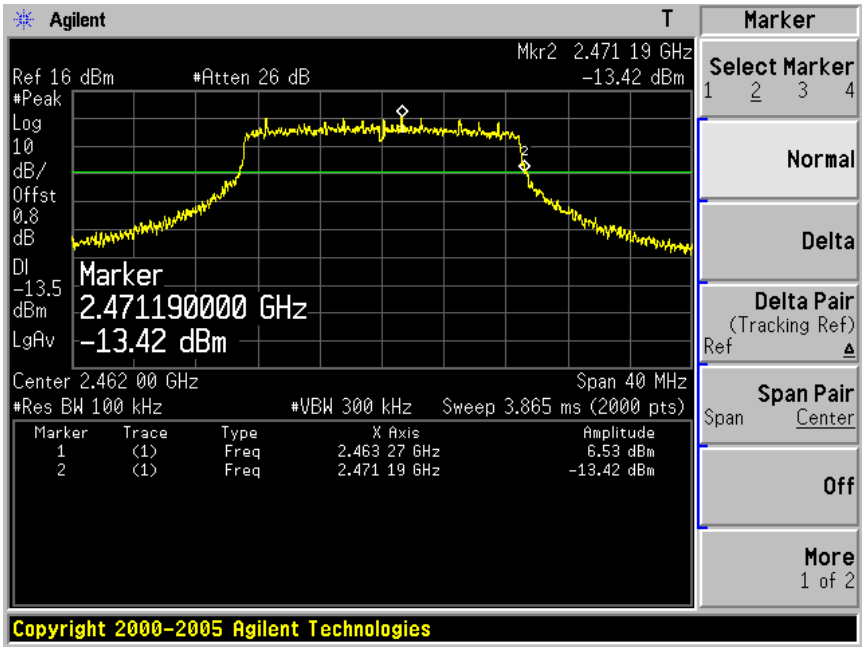


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 100)

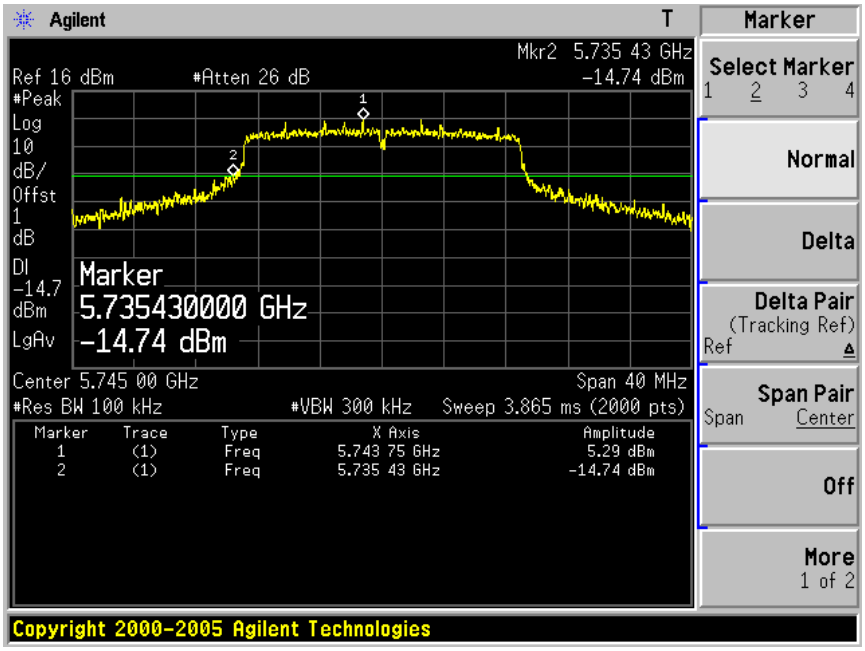
Channel 01 (2412MHz)



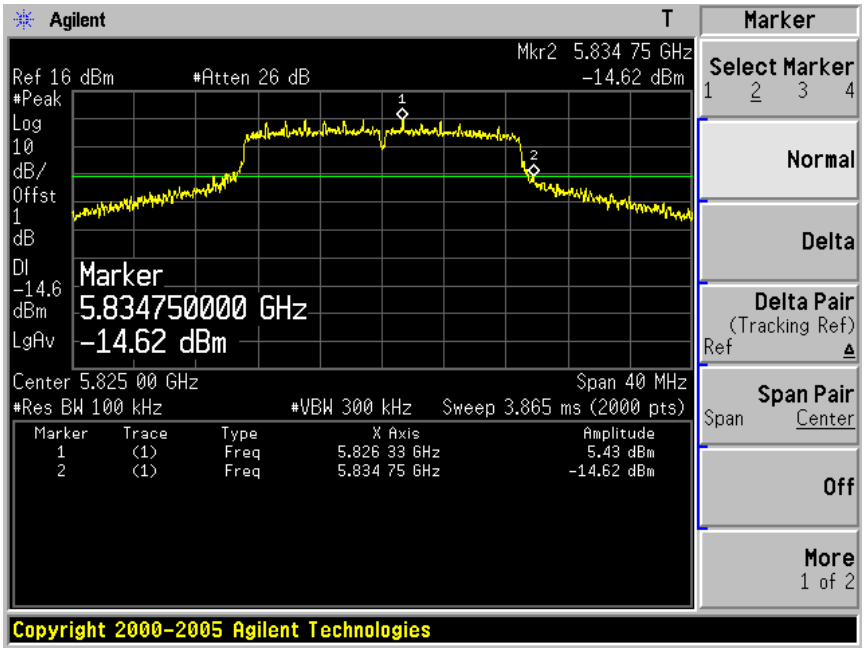
Channel 11 (2462MHz)



Channel 149 (5745MHz)

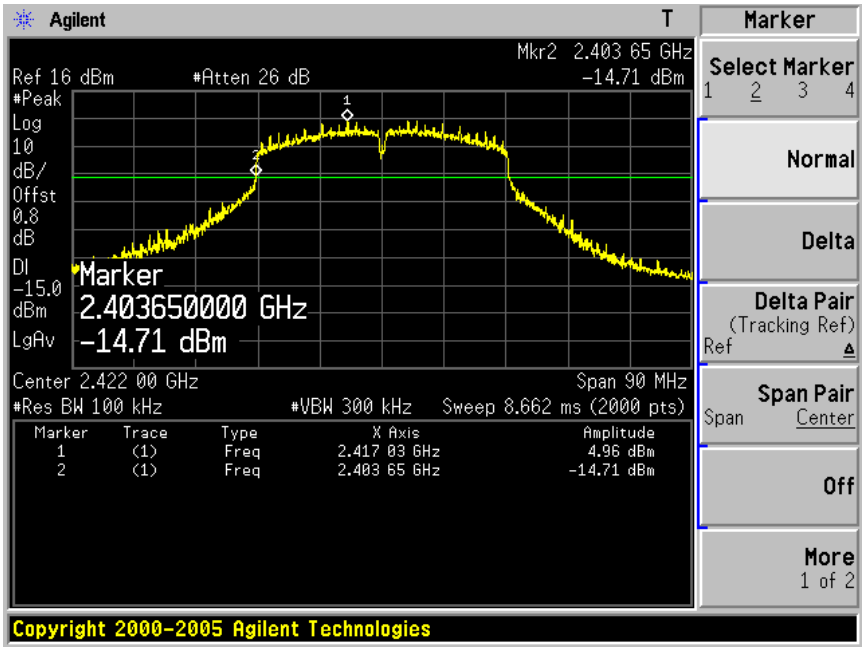


Channel 165 (5825MHz)

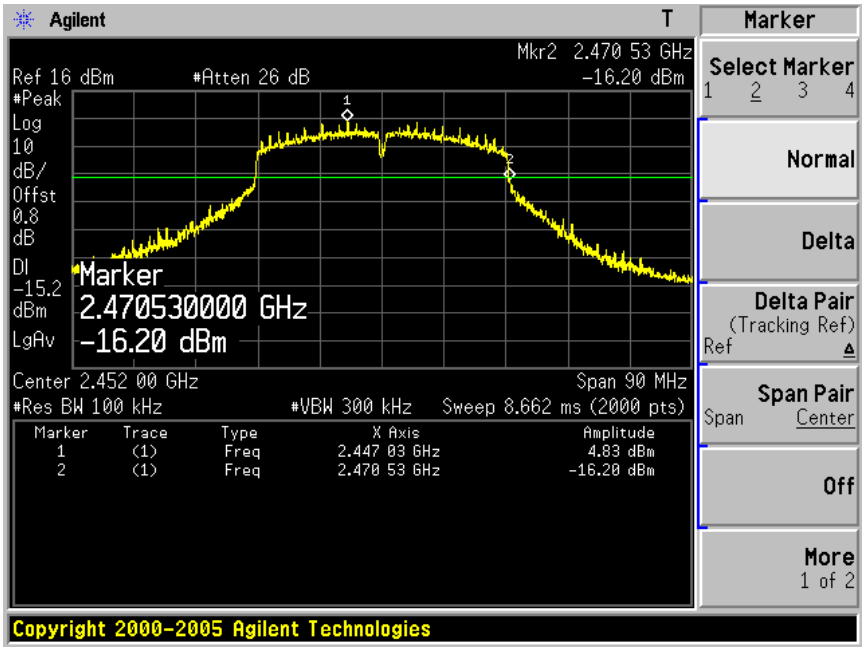


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 100)

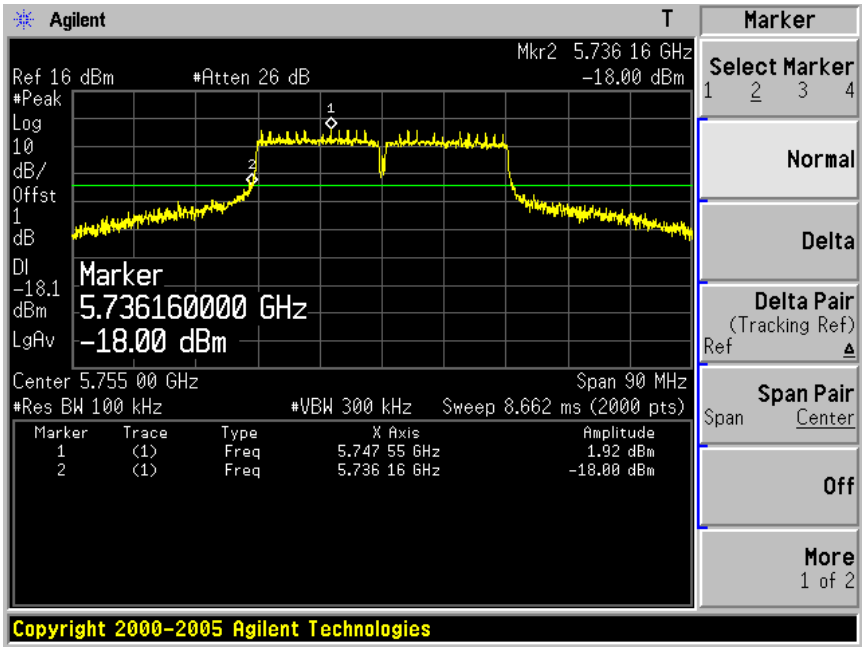
Channel 03 (2422MHz)



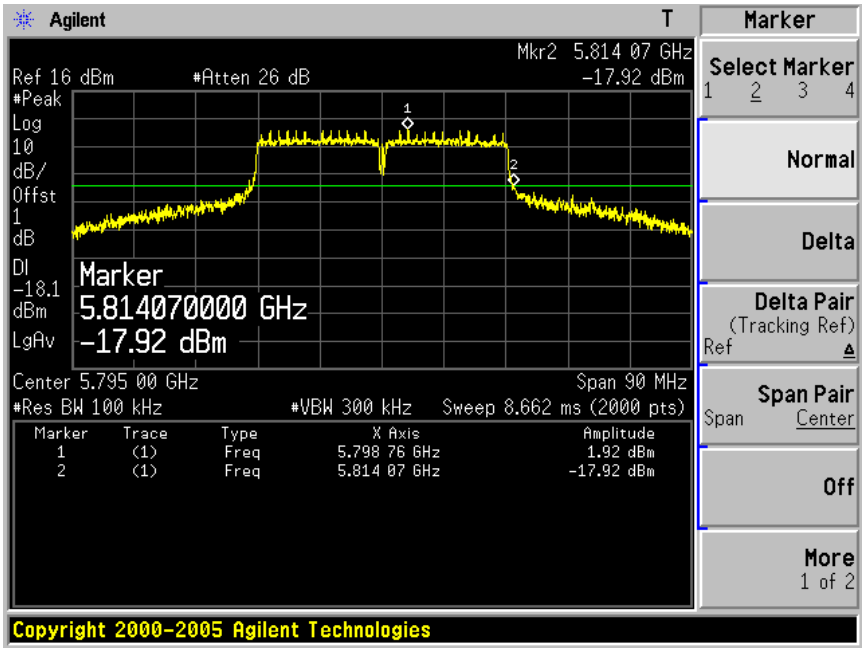
Channel 09 (2452MHz)



Channel 151 (5755MHz)

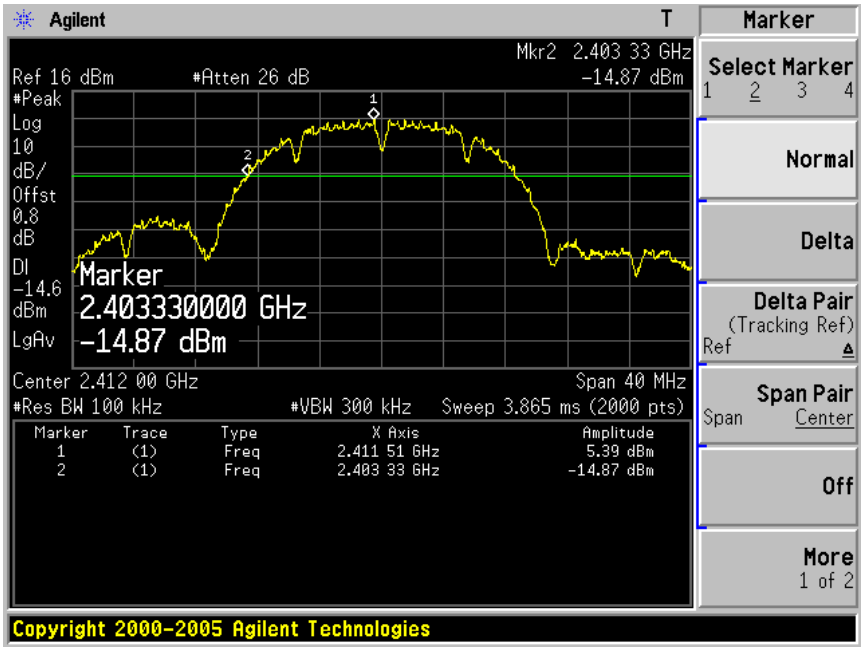


Channel 159 (5795MHz)

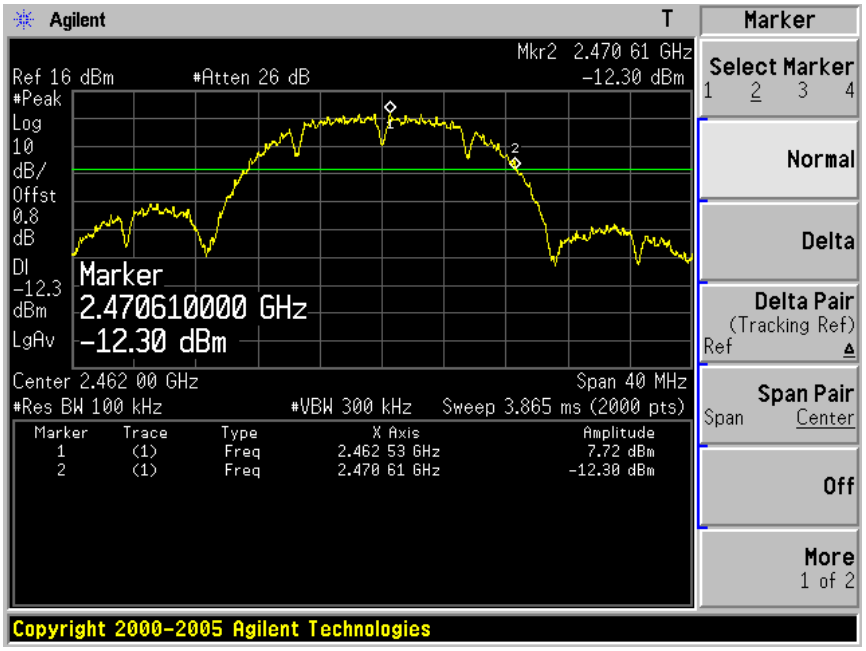


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 001)

Channel 01 (2412MHz)

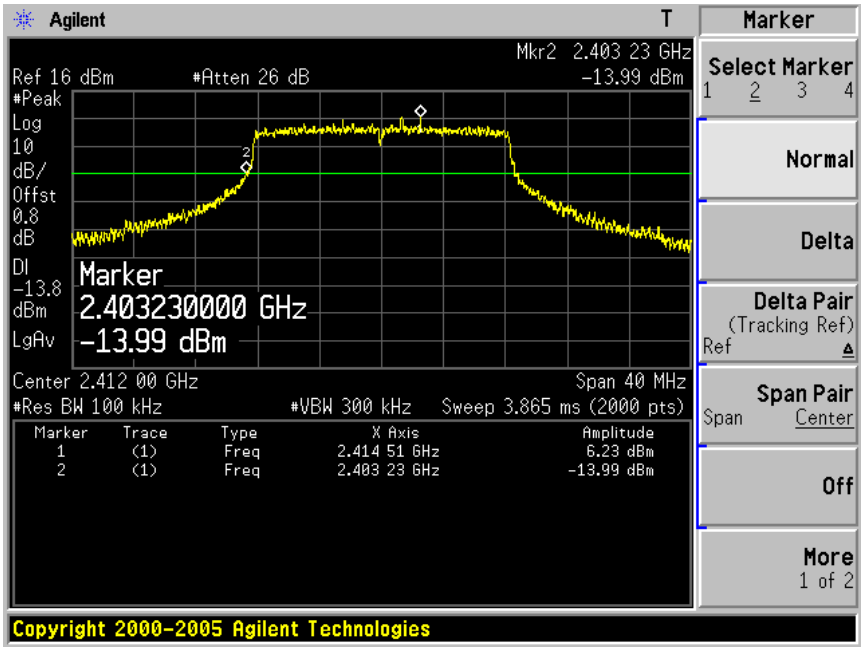


Channel 11 (2462MHz)

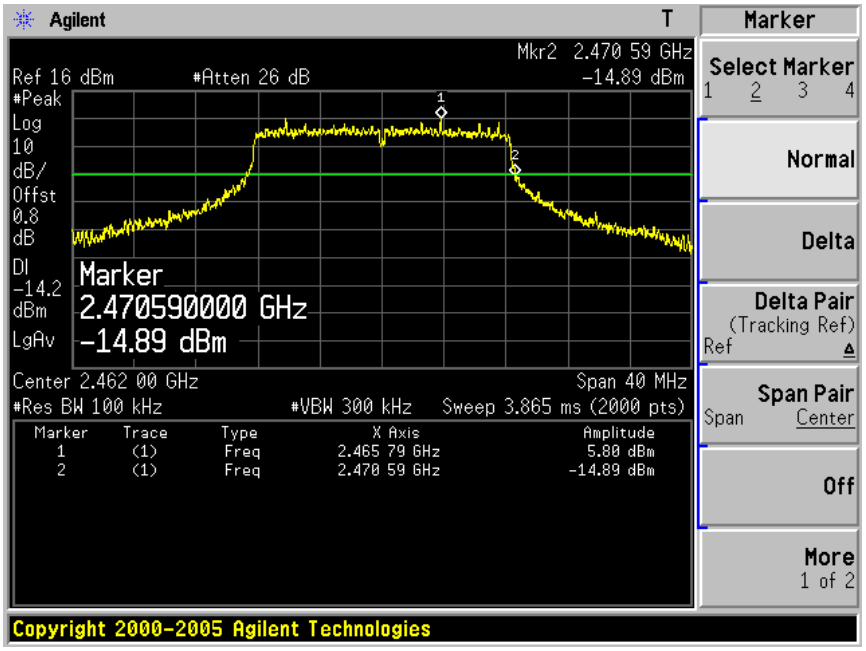


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 001)

Channel 01 (2412MHz)

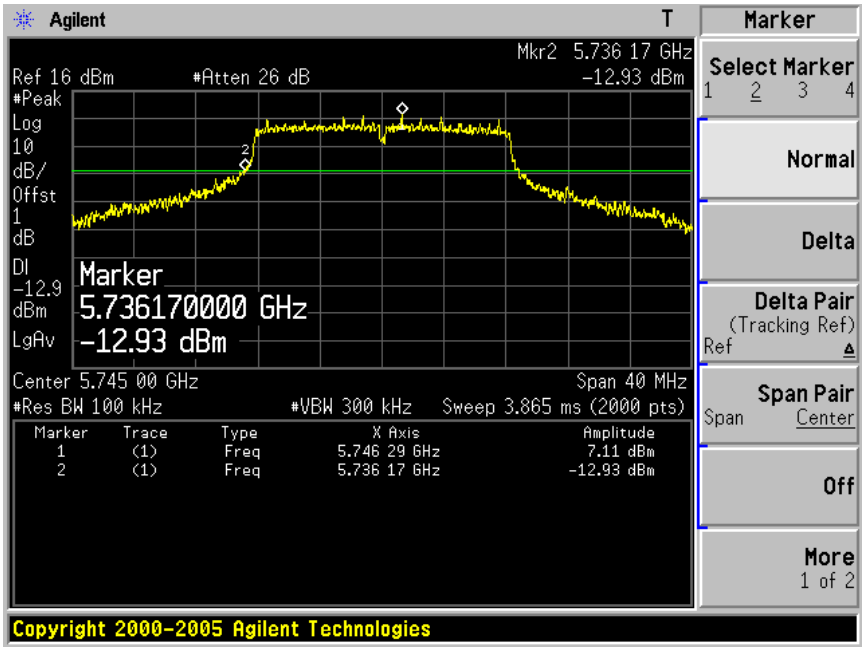


Channel 11 (2462MHz)

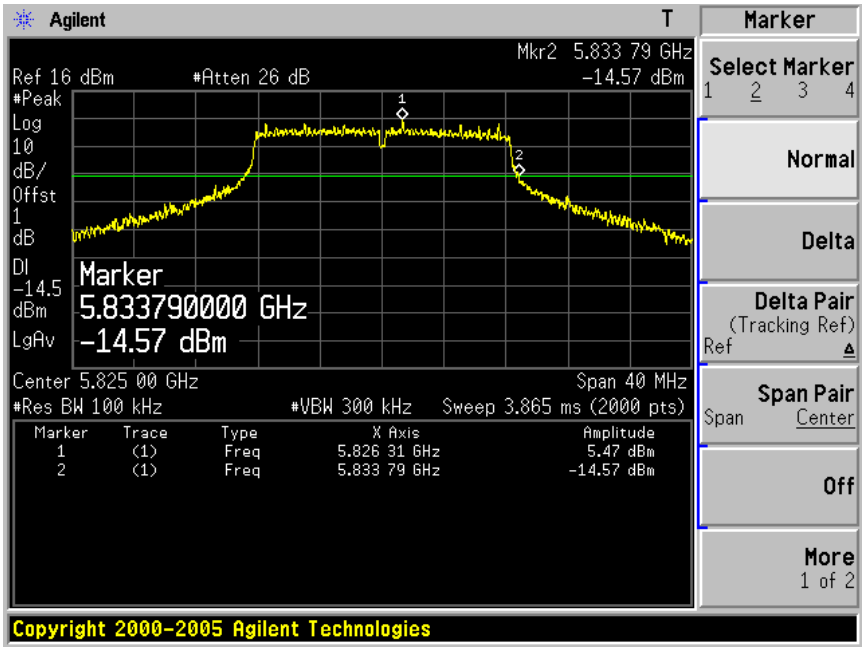


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 001)

Channel 149 (5745MHz)

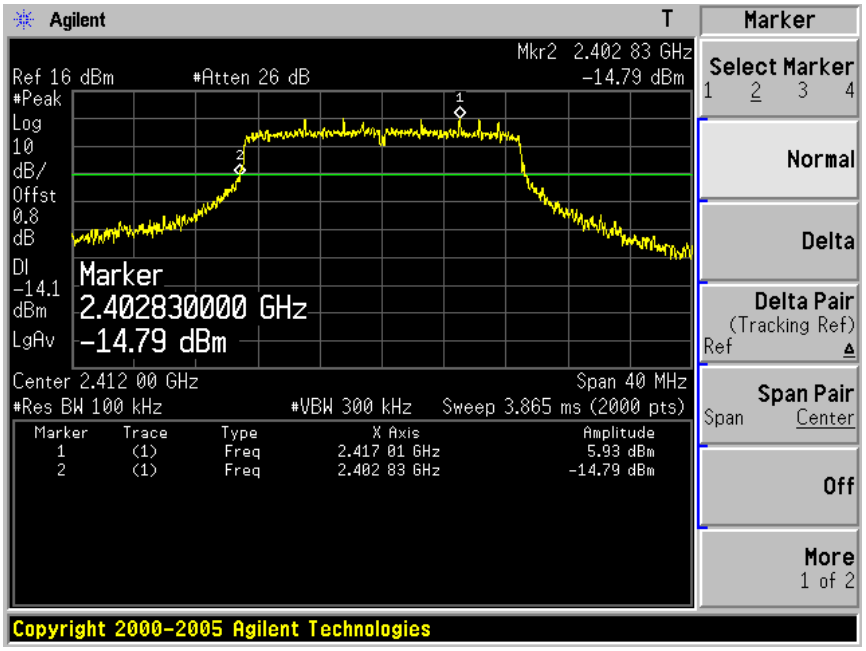


Channel 165 (5825MHz)

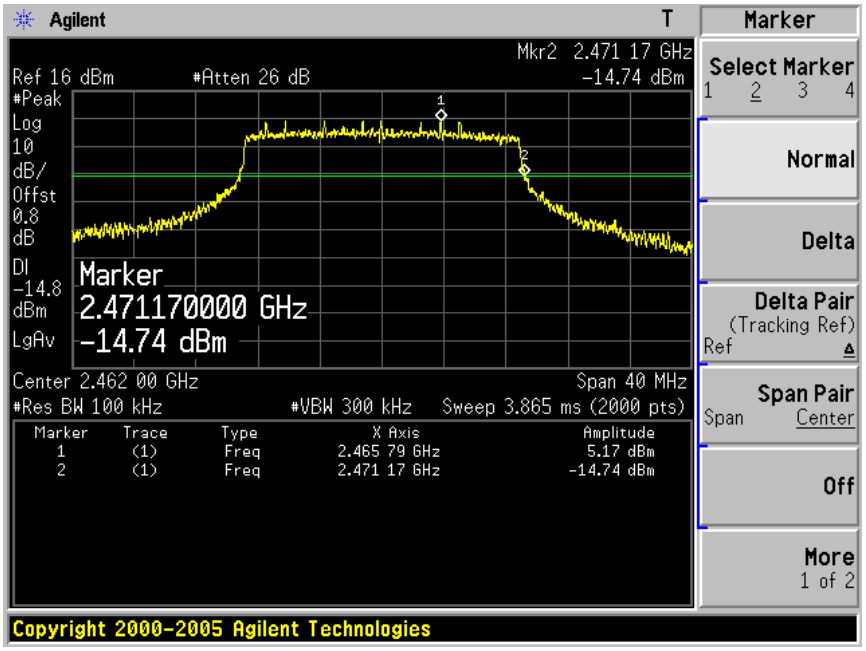


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 001)

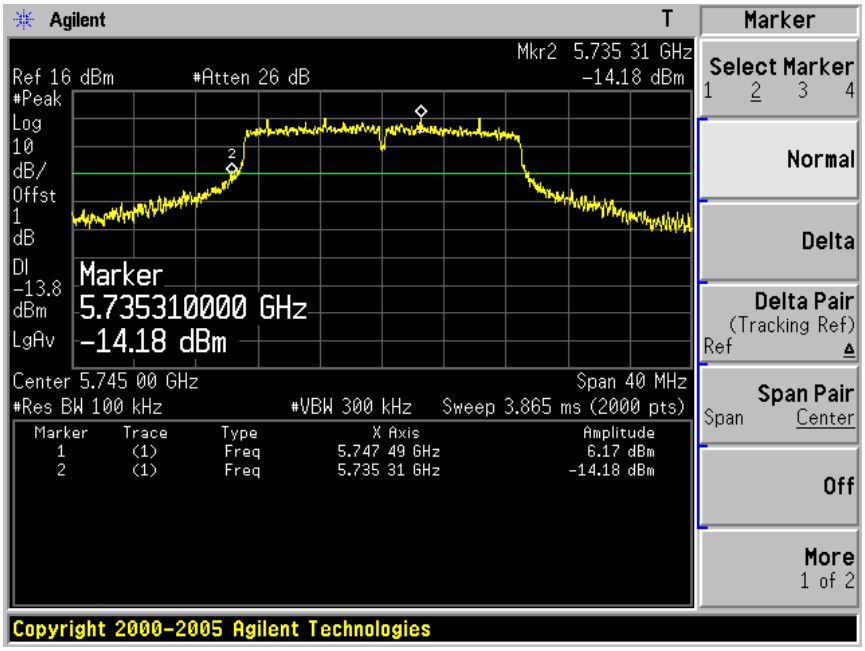
Channel 01 (2412MHz)



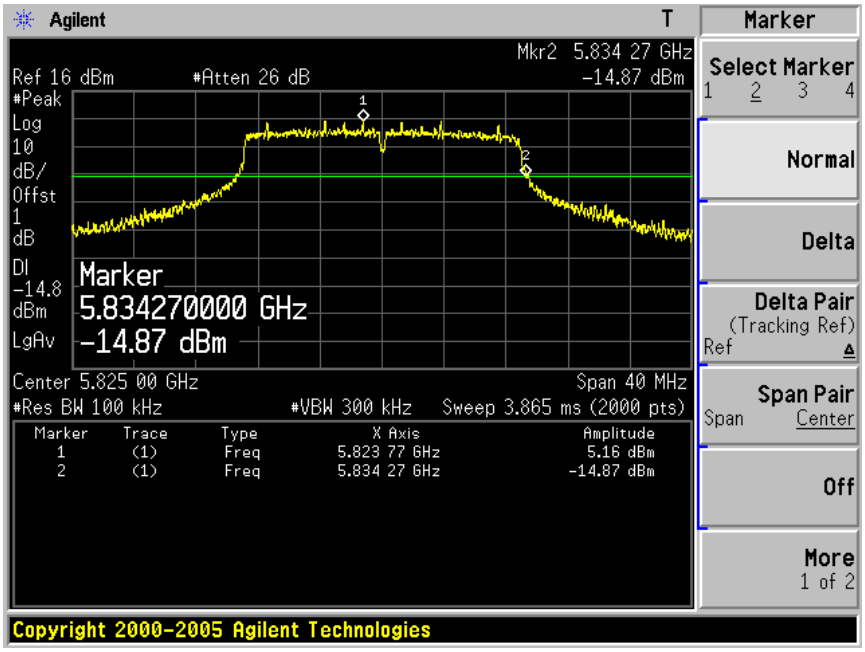
Channel 11 (2462MHz)



Channel 149 (5745MHz)

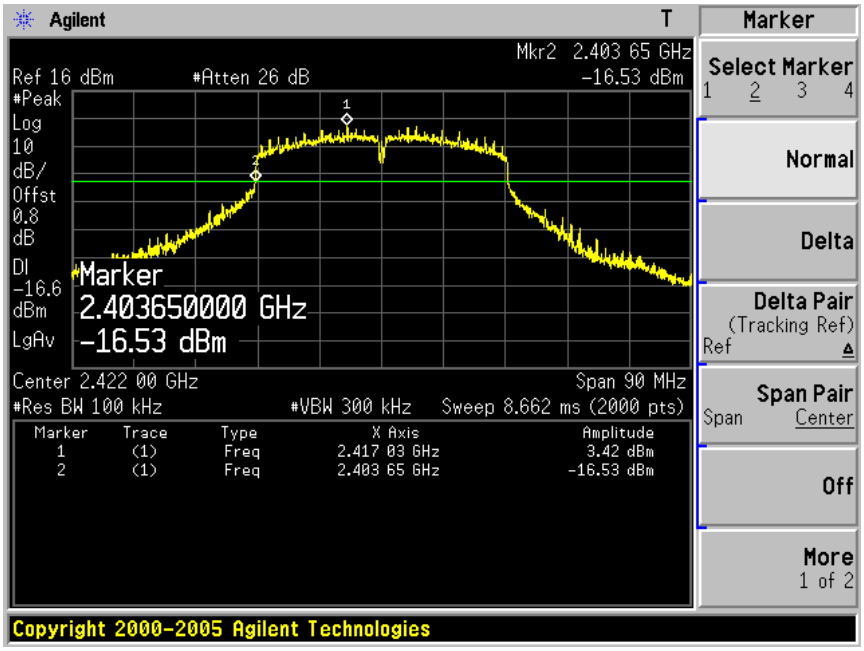


Channel 165 (5825MHz)

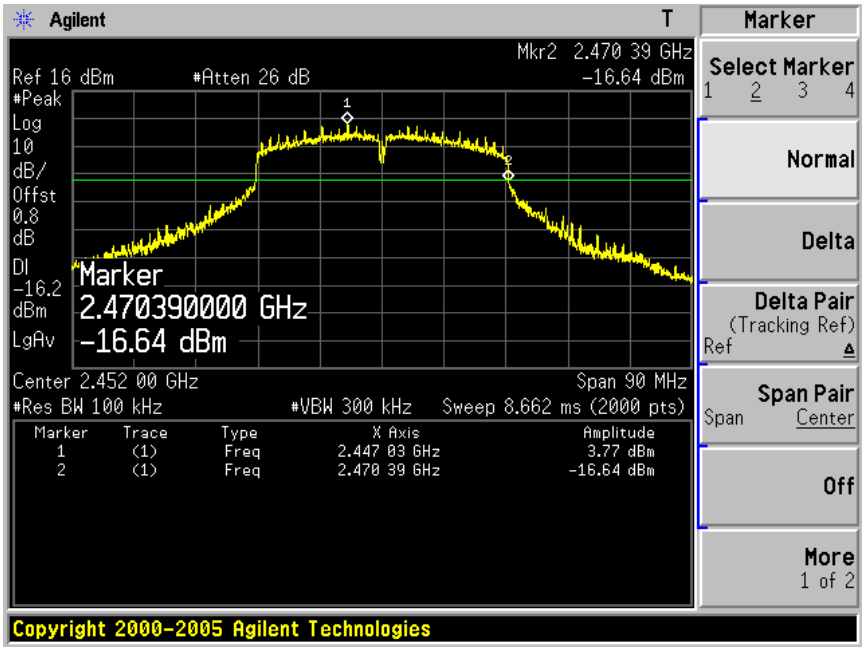


Product	:	AirPcap Nx
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 001)

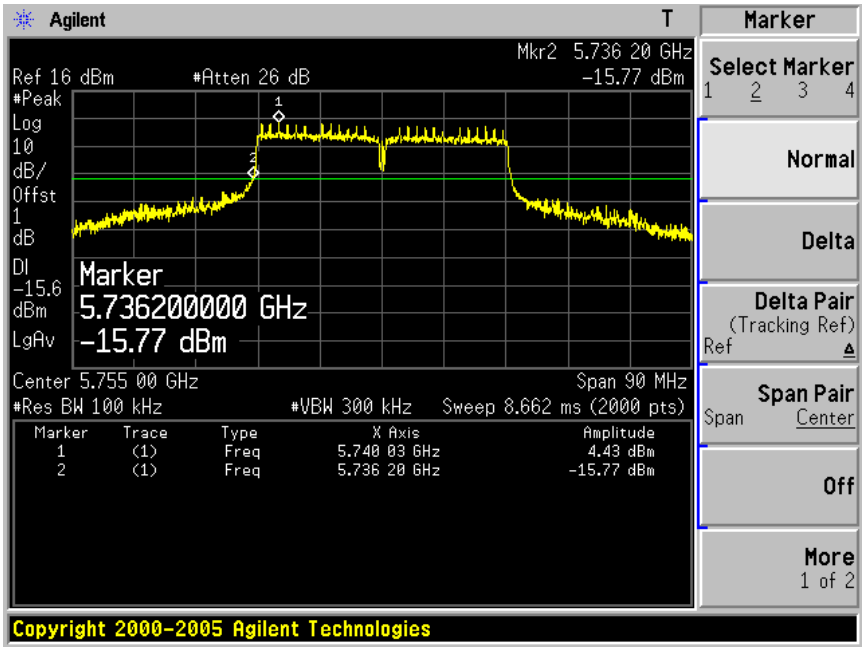
Channel 03 (2422MHz)



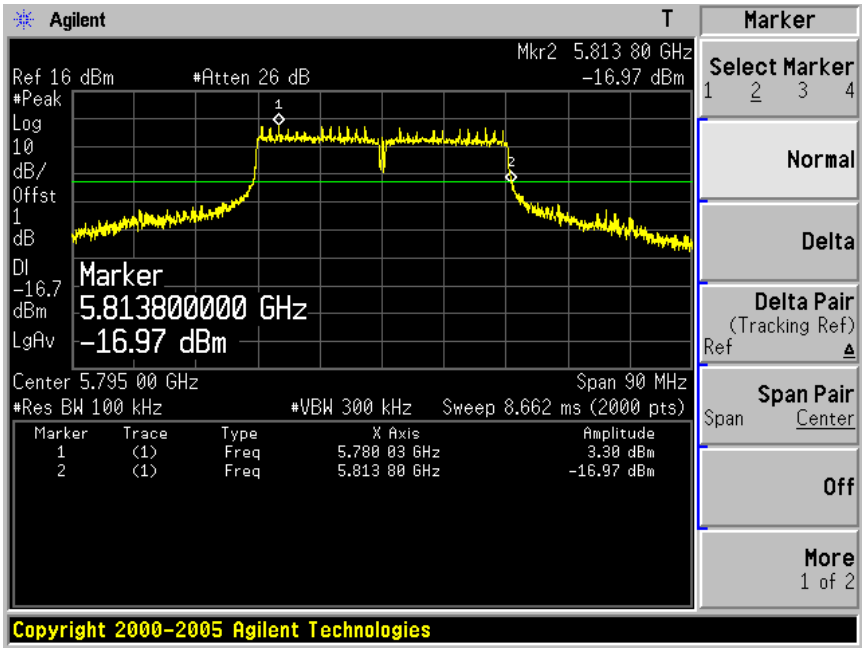
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



8. Occupied Bandwidth

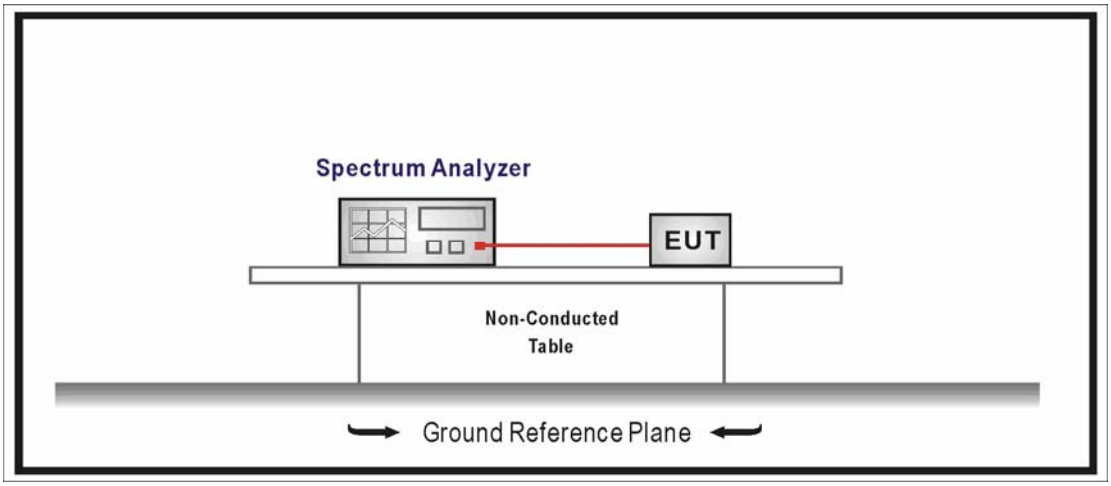
8.1. Test Equipment

Occupied Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2010.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2010.05.04

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

8.2. Test Setup



8.3. Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

8.5. Uncertainty

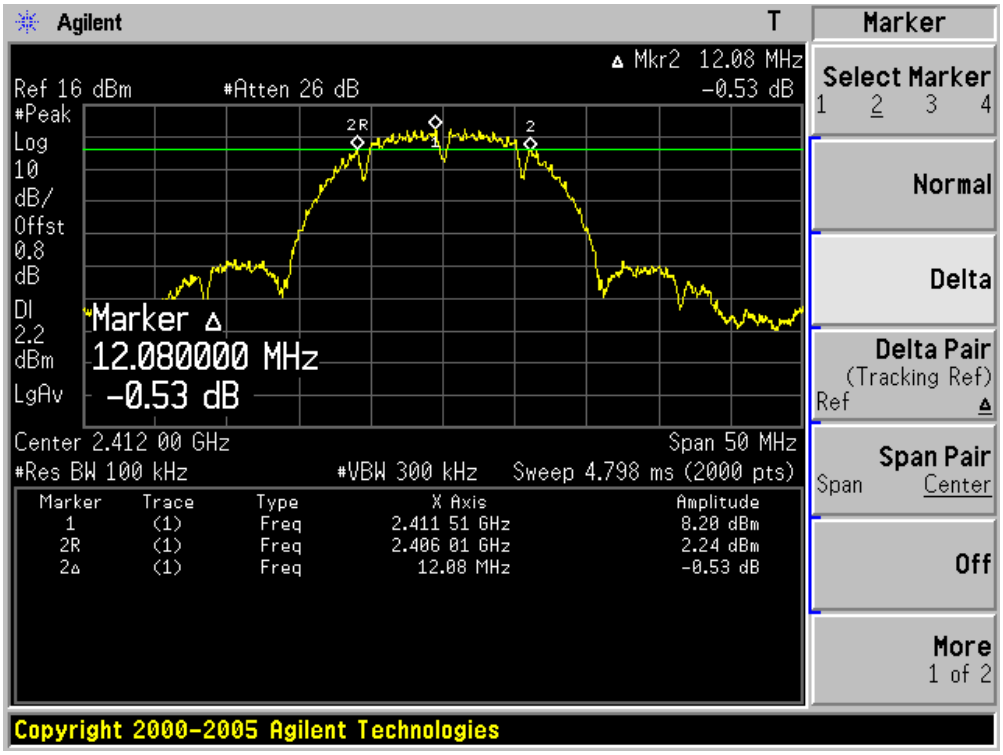
The measurement uncertainty is defined as ± 1 kHz

8.6. Test Result

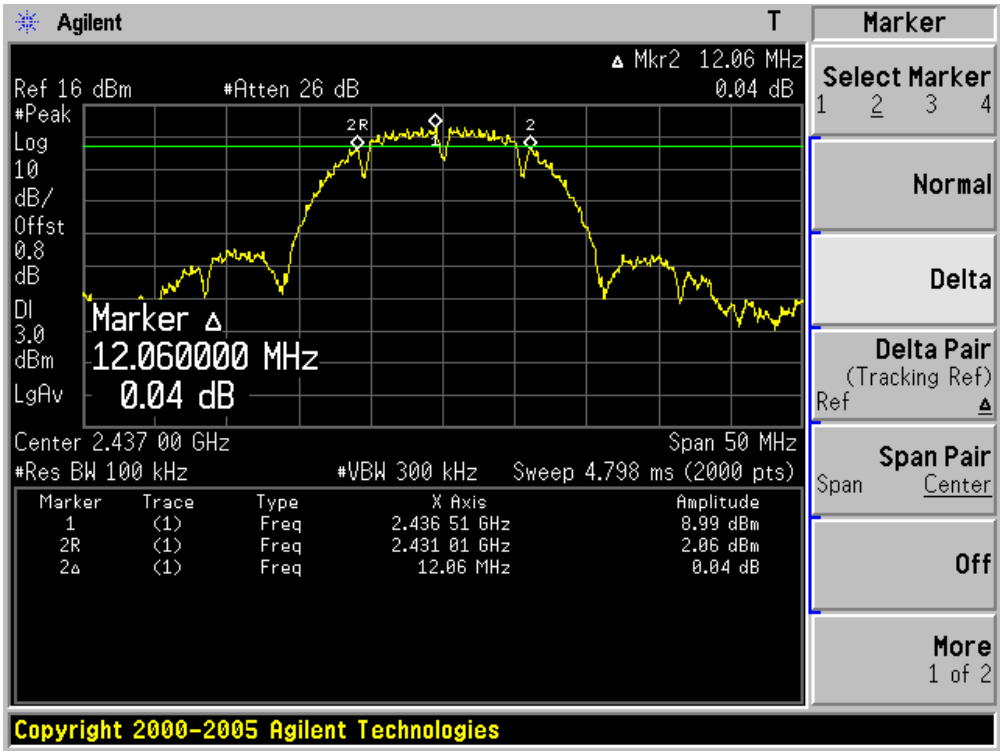
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 100)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	12080	500	Pass
06	2437	12060	500	Pass
11	2462	12110	500	Pass

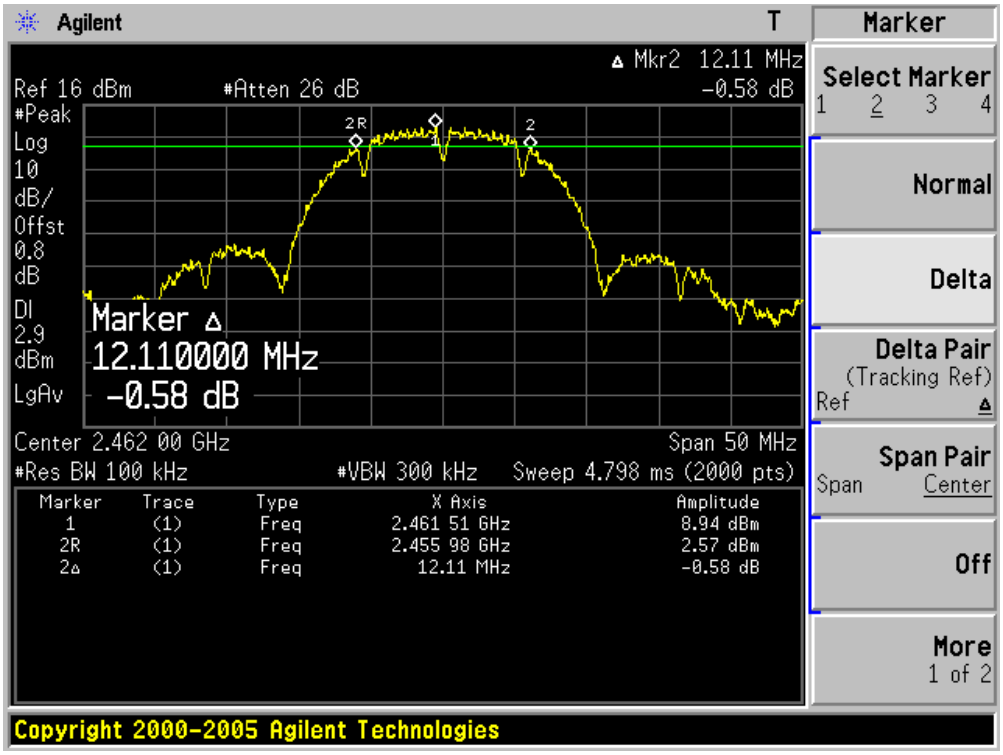
Channel 01 (2412MHz)



Channel 06 (2437MHz)



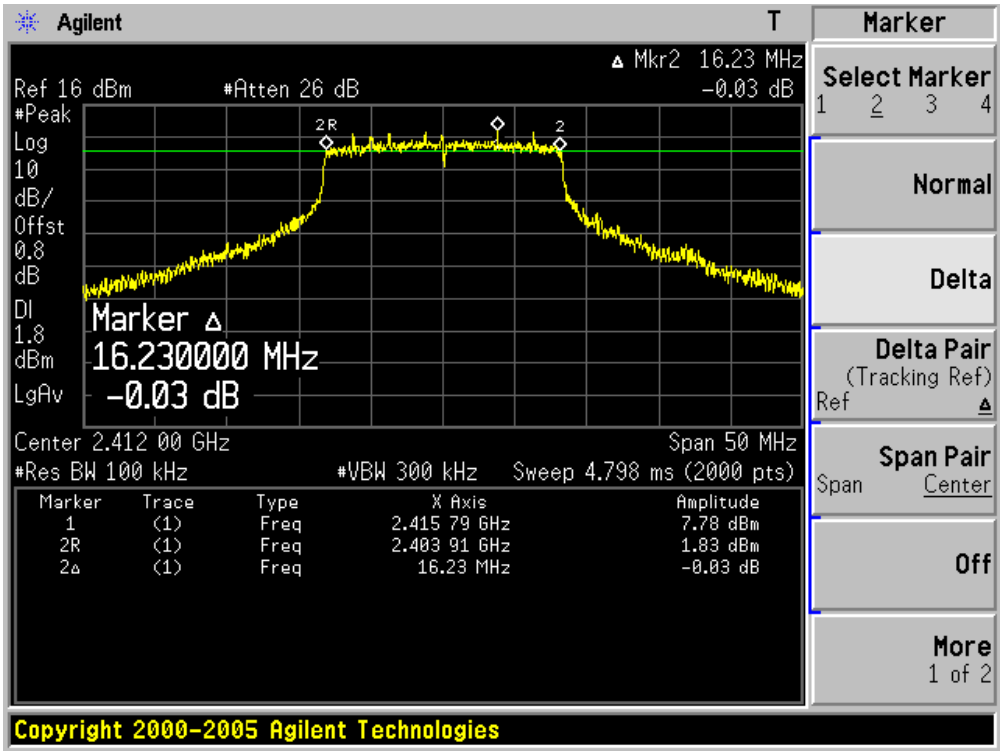
Channel 11 (2462MHz)



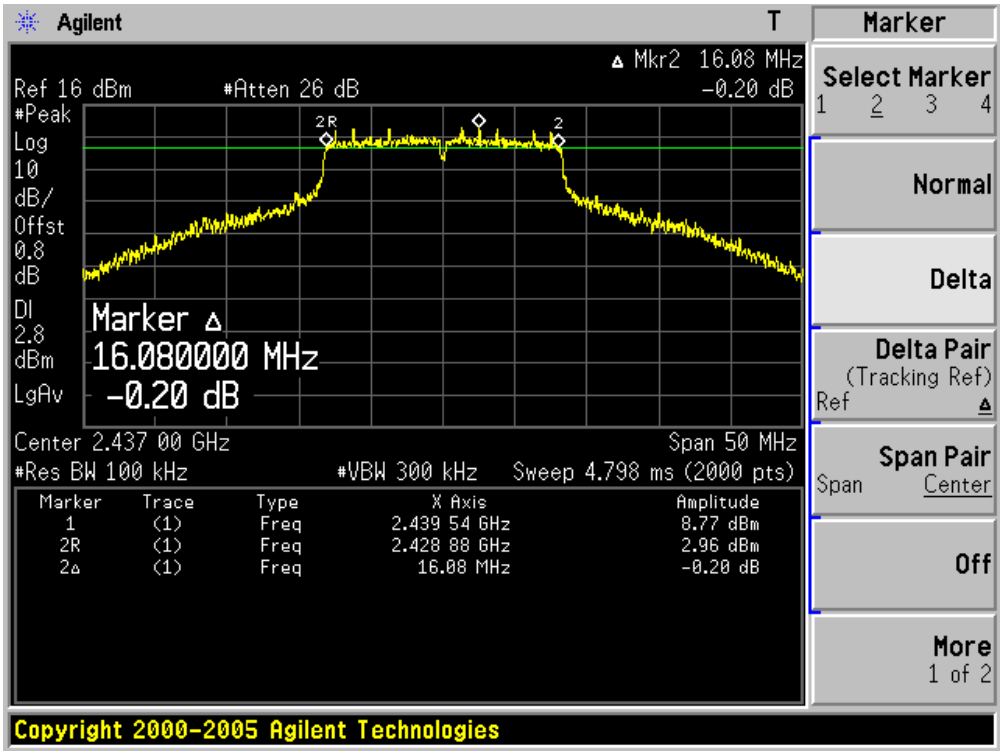
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 100)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	16230	500	Pass
06	2437	16080	500	Pass
11	2462	16210	500	Pass

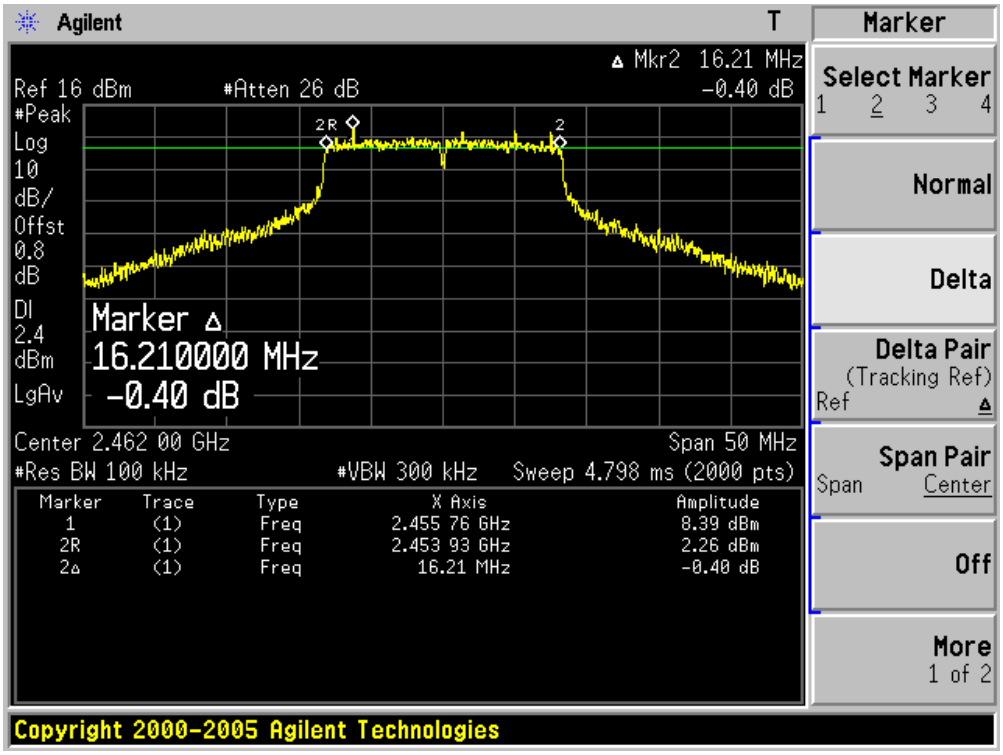
Channel 01 (2412MHz)



Channel 06 (2437MHz)



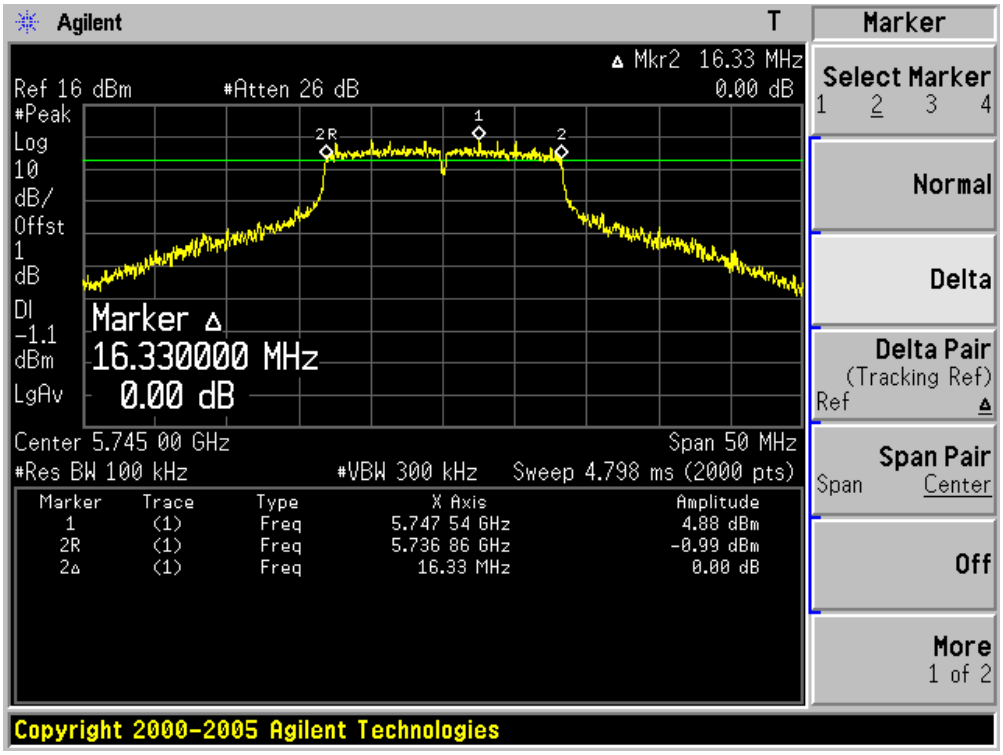
Channel 11 (2462MHz)



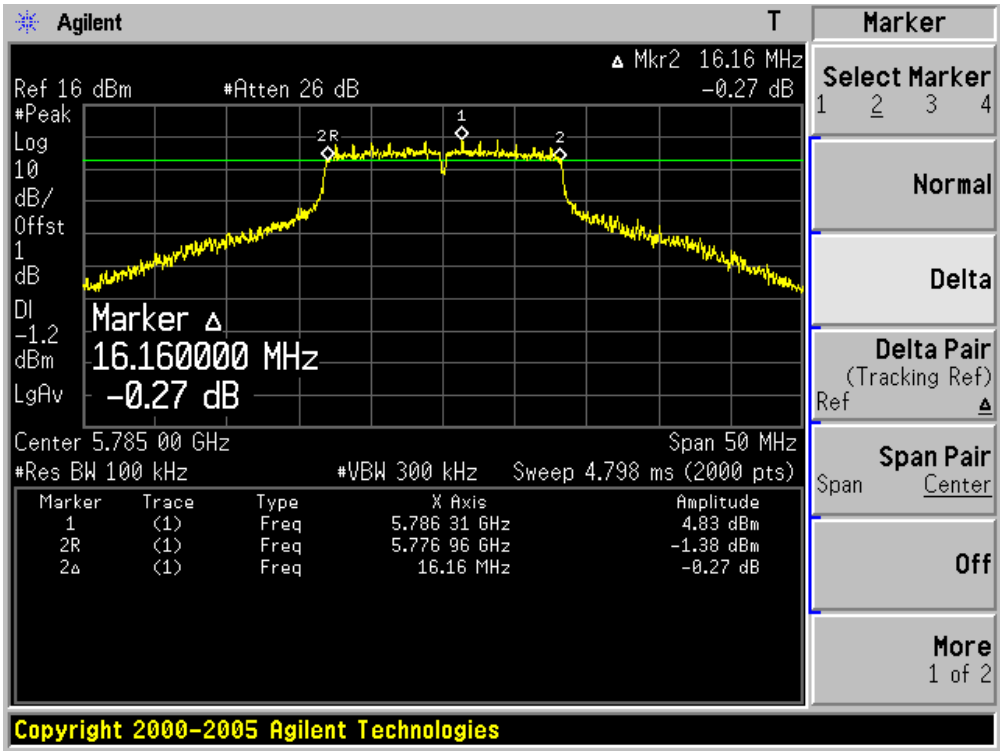
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 100)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
149	5745	16330	500	Pass
157	5785	16160	500	Pass
165	5825	16330	500	Pass

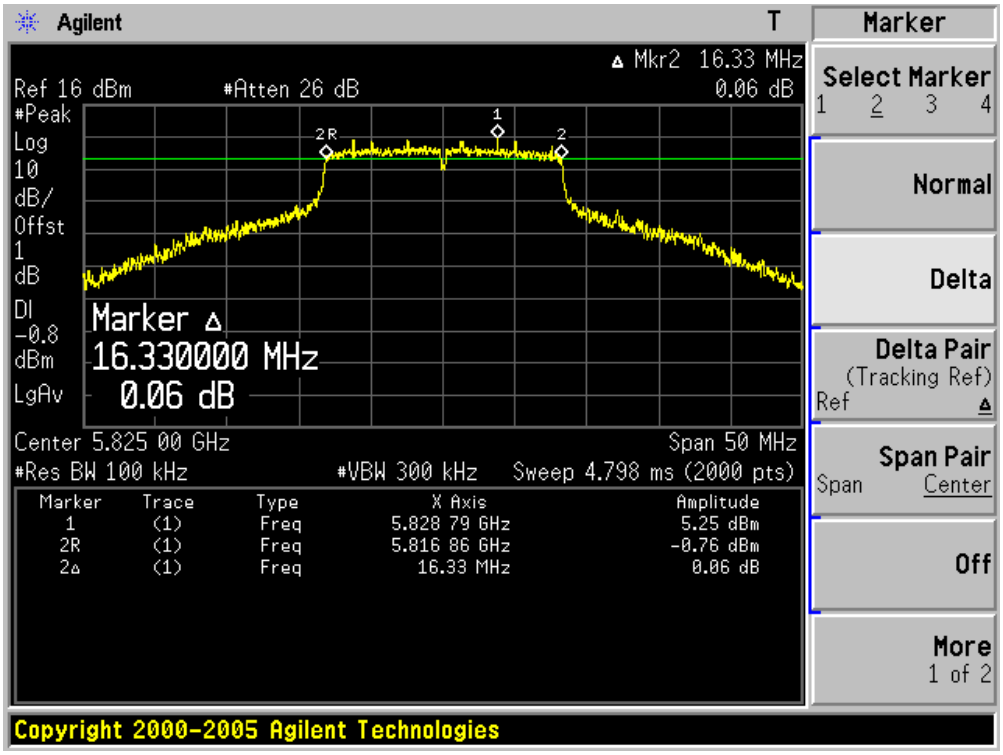
Channel 149 (5745MHz)



Channel 157 (5785MHz)



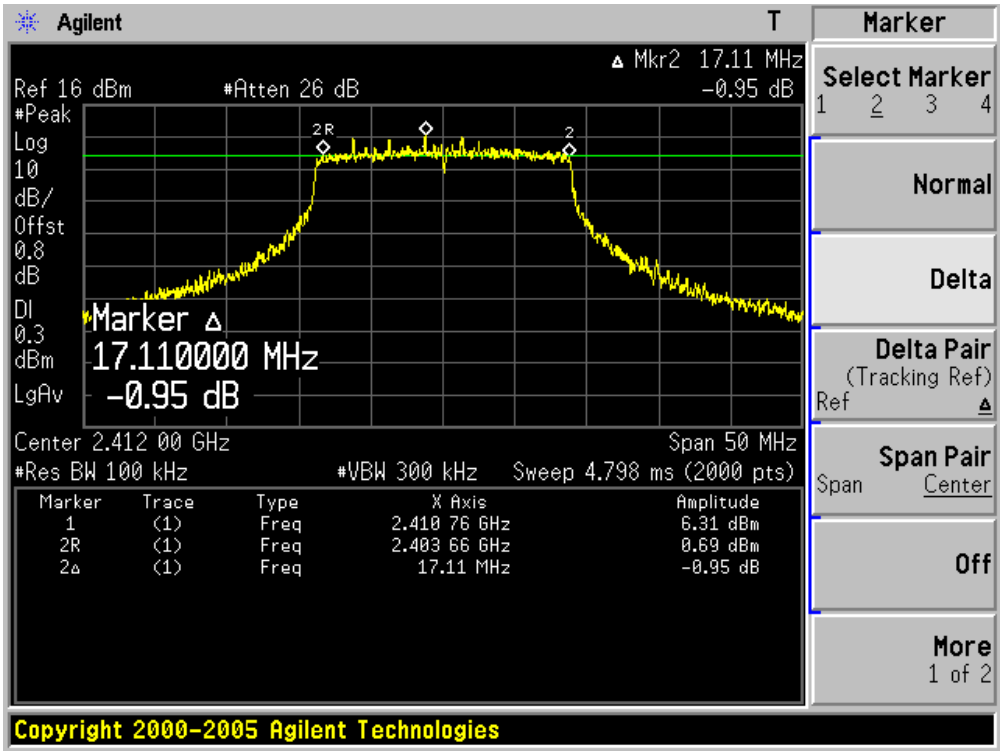
Channel 165 (5825MHz)



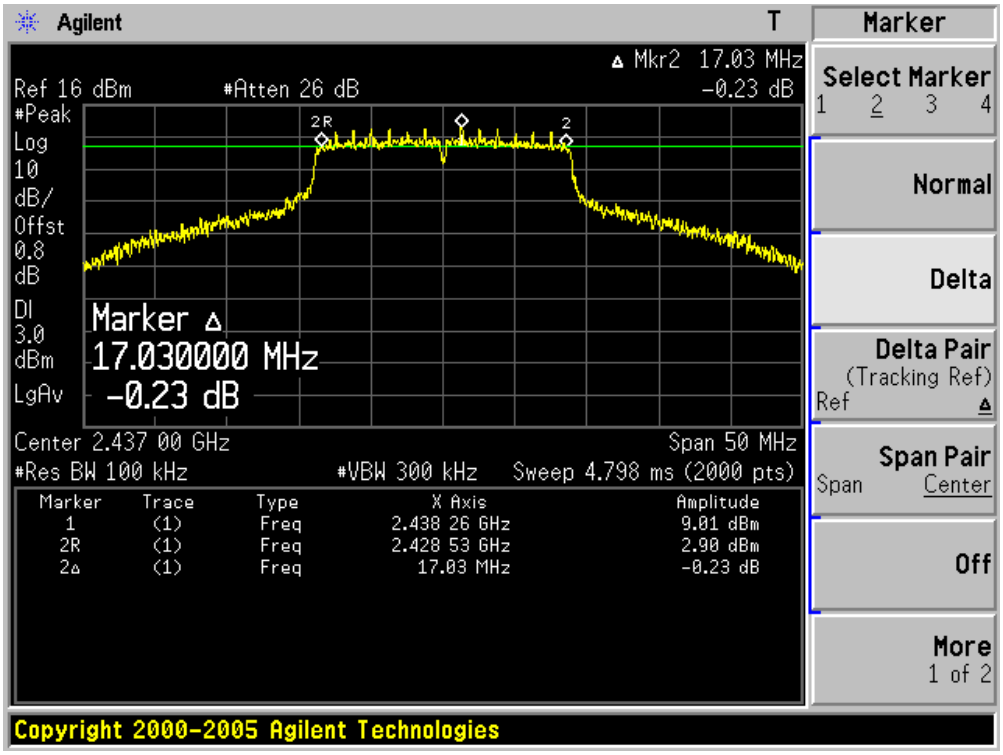
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 100)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	17110	500	Pass
06	2437	17030	500	Pass
11	2462	17430	500	Pass
149	5745	17160	500	Pass
157	5785	17030	500	Pass
165	5825	17330	500	Pass

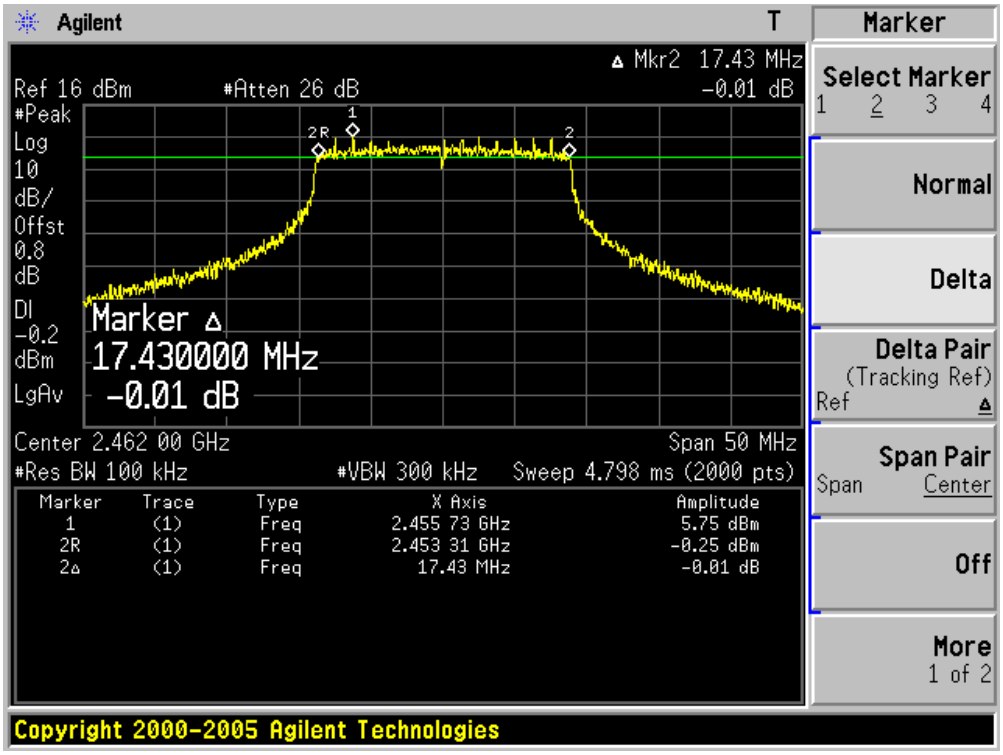
Channel 01 (2412MHz)



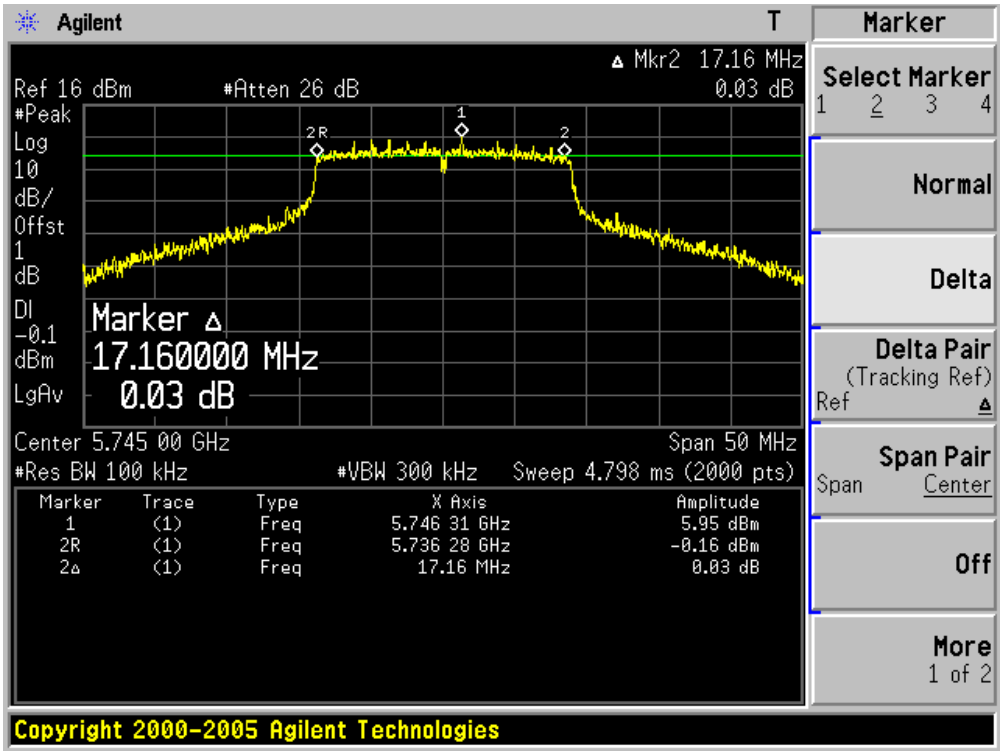
Channel 06 (2437MHz)



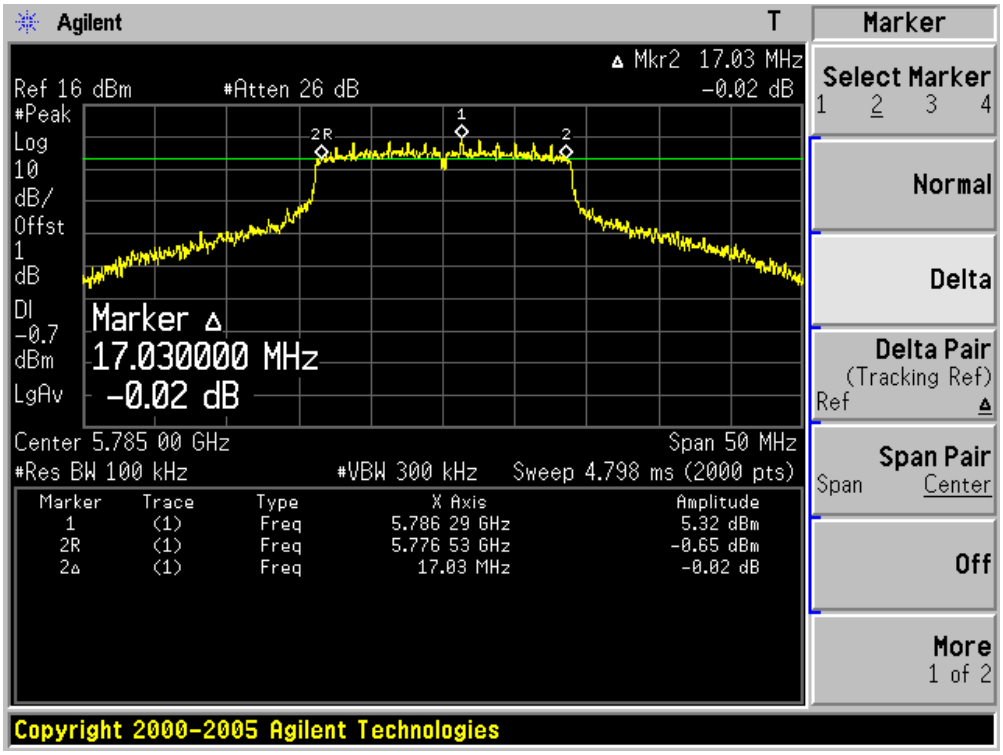
Channel 11 (2462MHz)



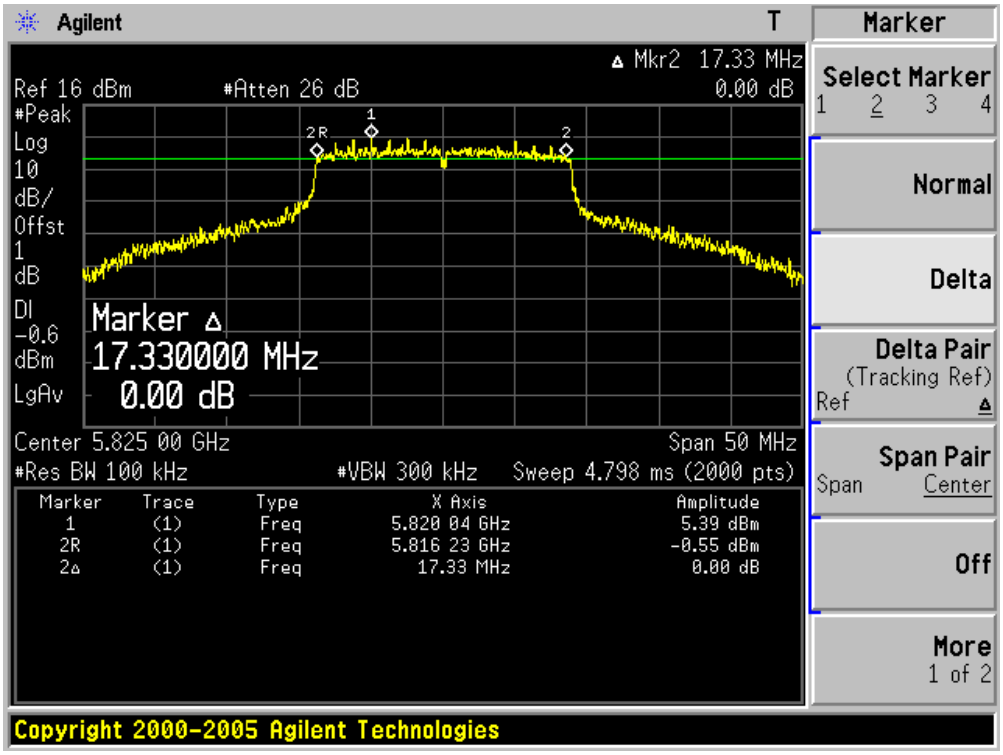
Channel 149 (5745MHz)



Channel 157 (5785MHz)



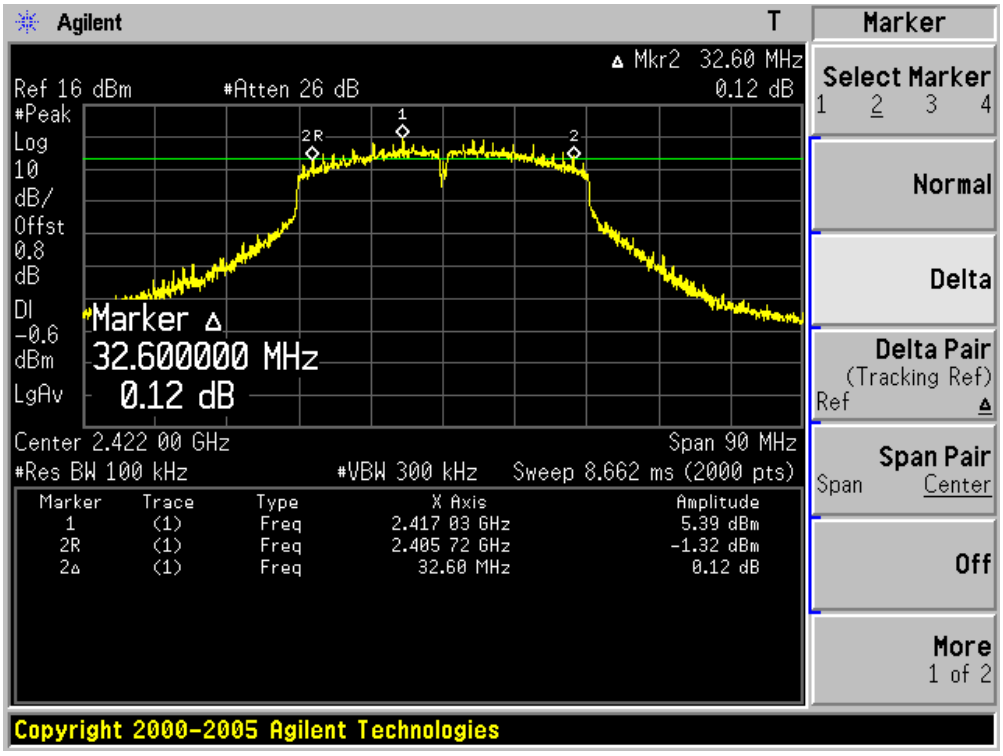
Channel 165 (5825MHz)



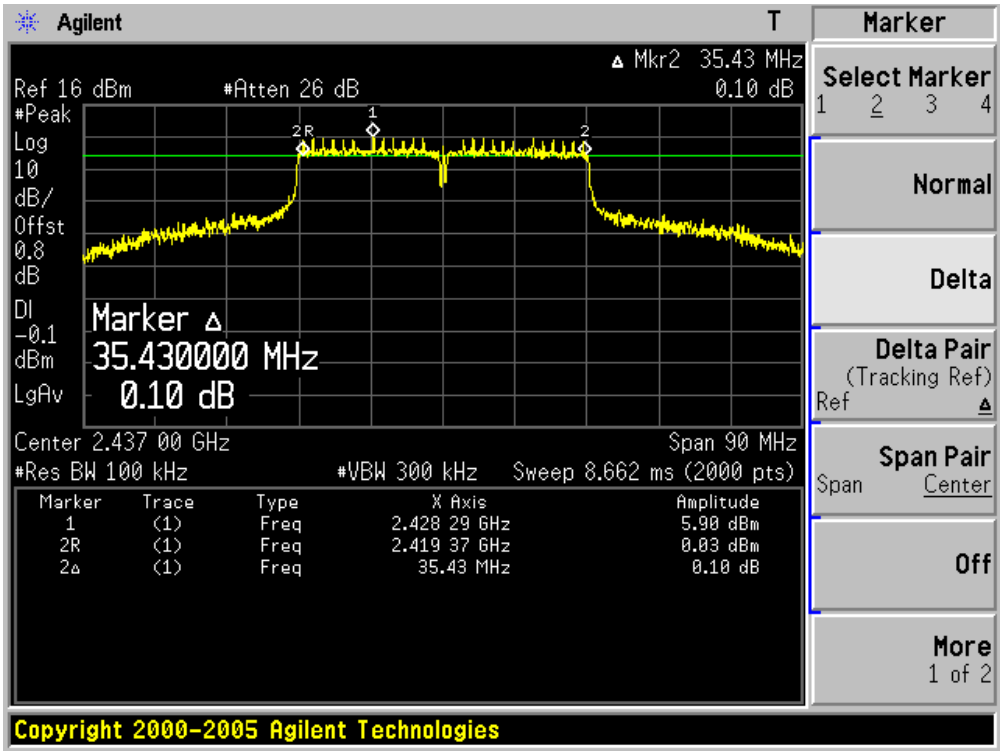
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 100)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	32600	500	Pass
06	2437	35430	500	Pass
09	2452	32510	500	Pass
151	5755	36290	500	Pass
159	5795	36380	500	Pass

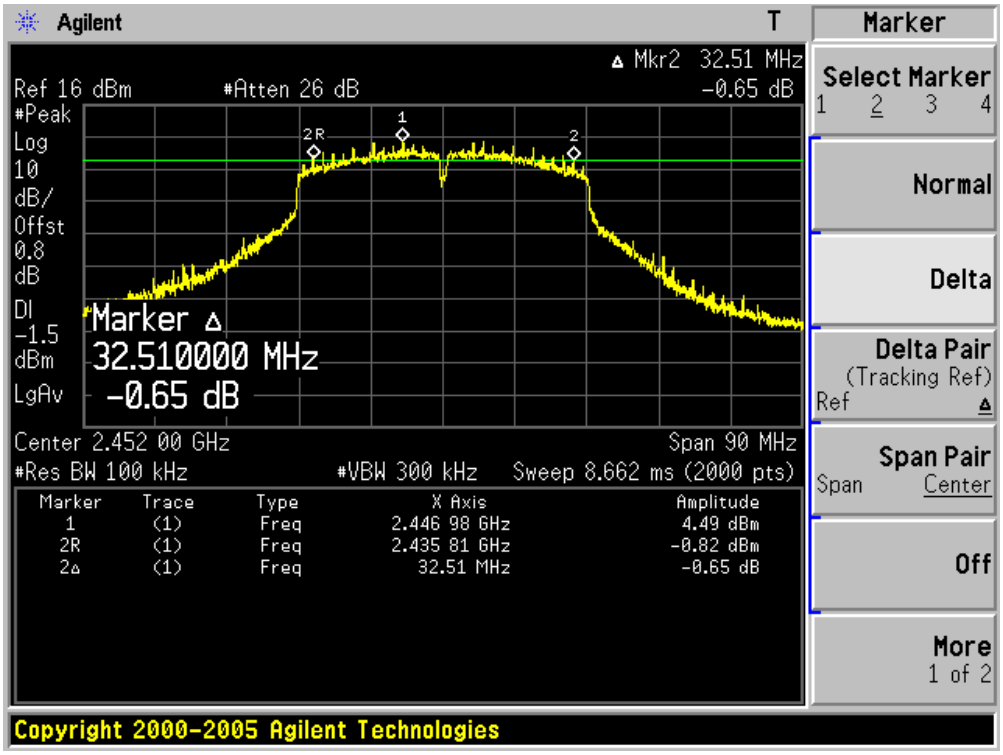
Channel 03 (2422MHz)



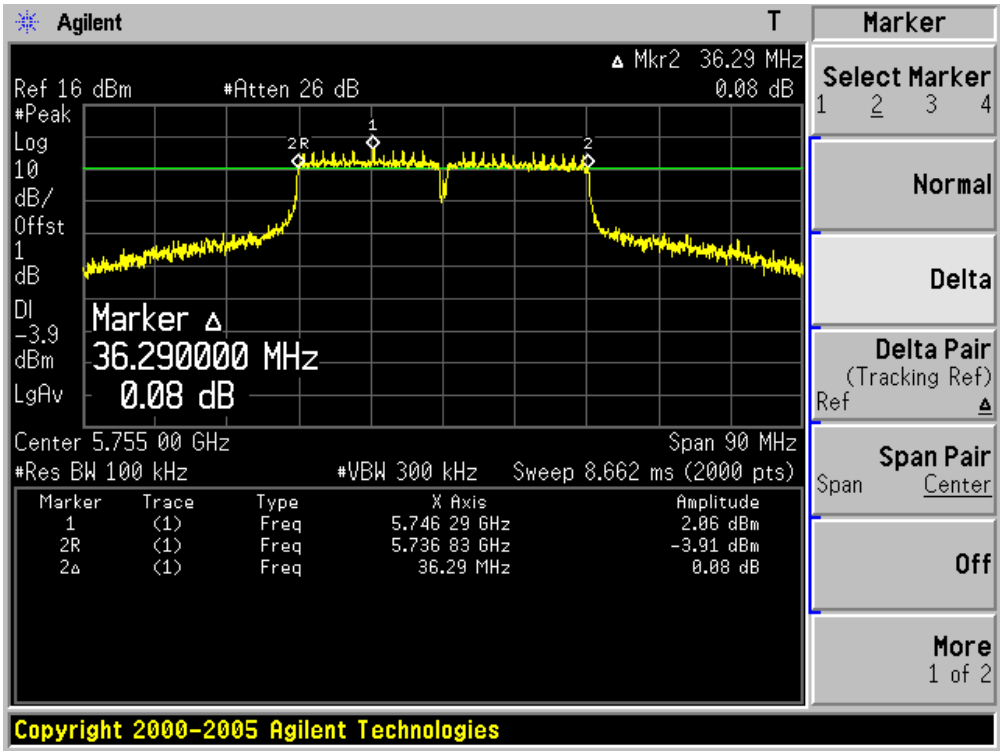
Channel 06 (2437MHz)



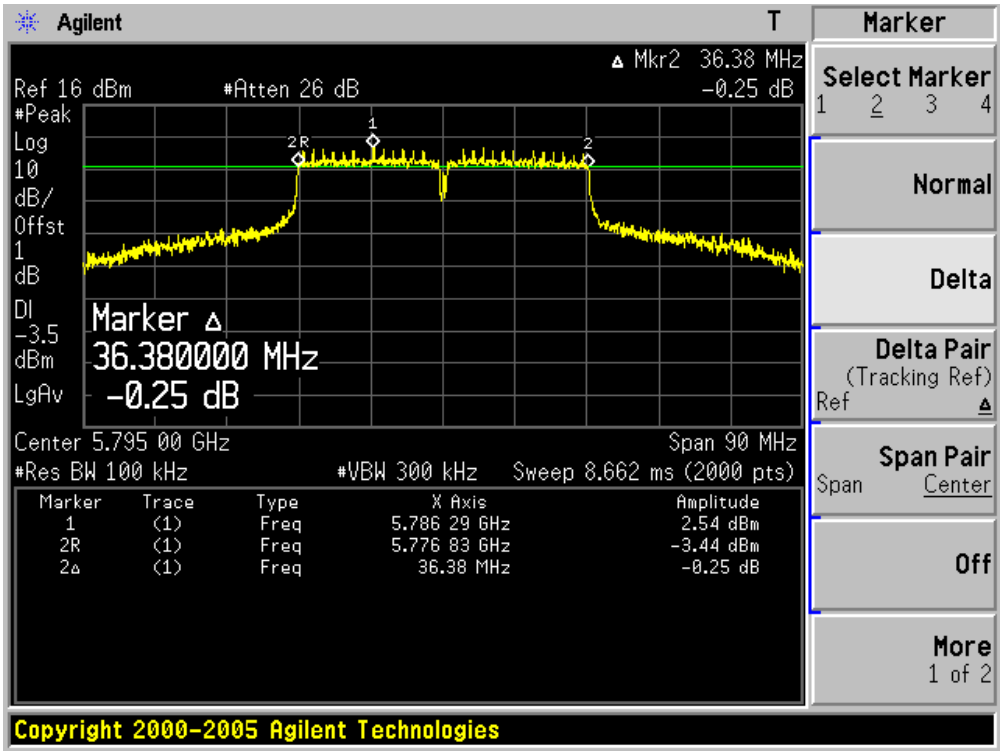
Channel 09 (2452MHz)



Channel 151 (5755MHz)



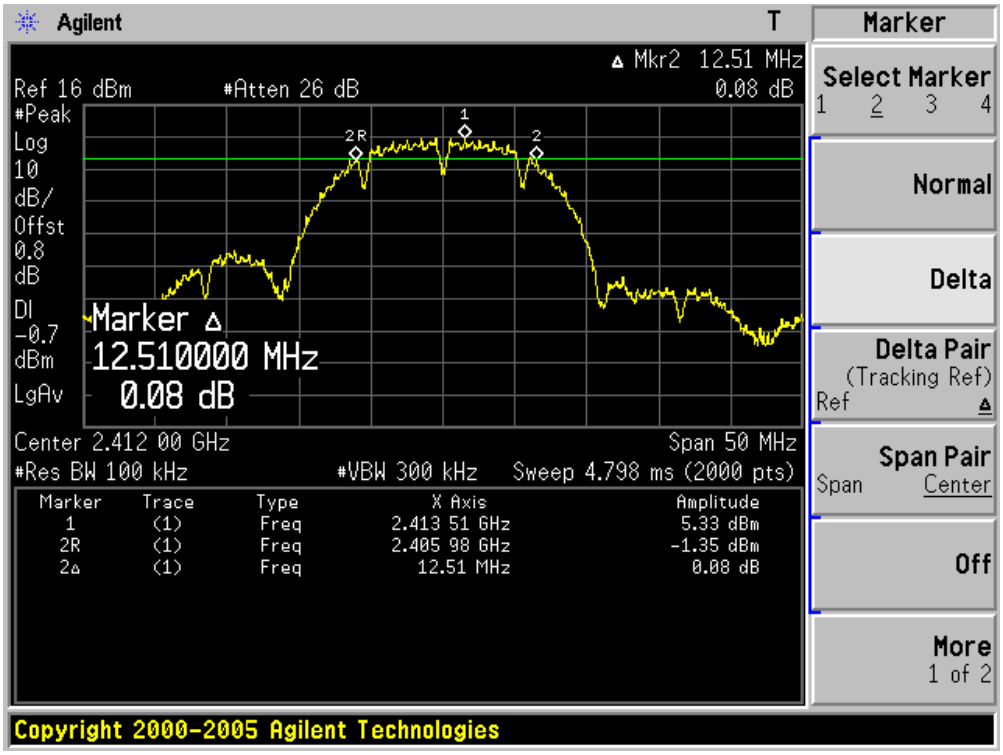
Channel 159 (5795MHz)



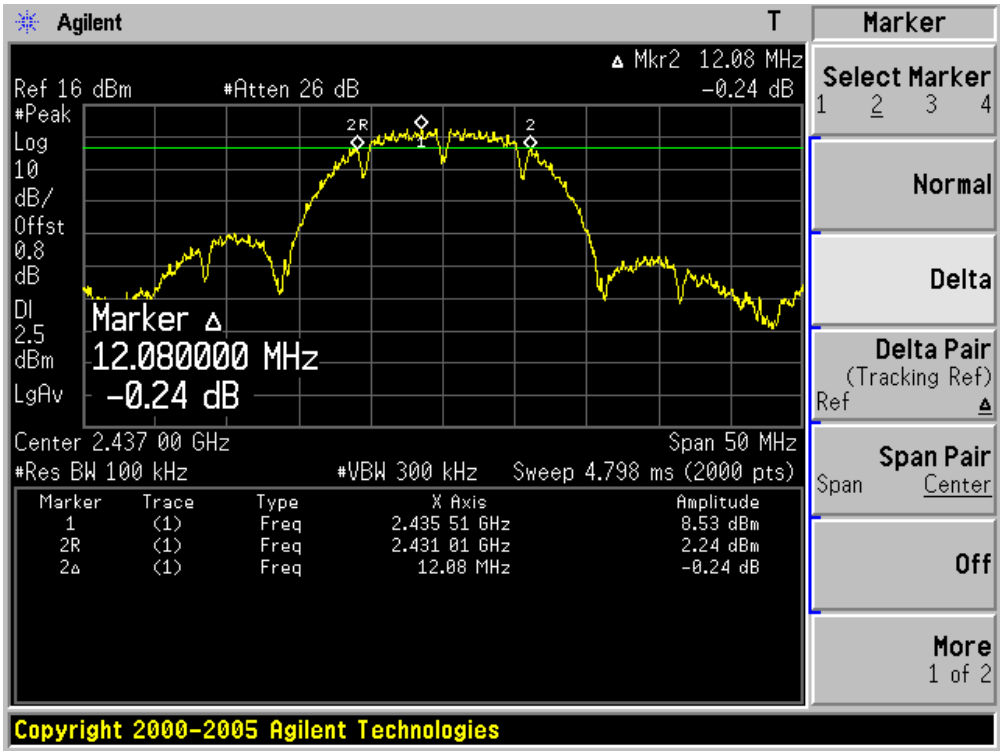
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 001)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	12510	500	Pass
06	2437	12080	500	Pass
11	2462	12080	500	Pass

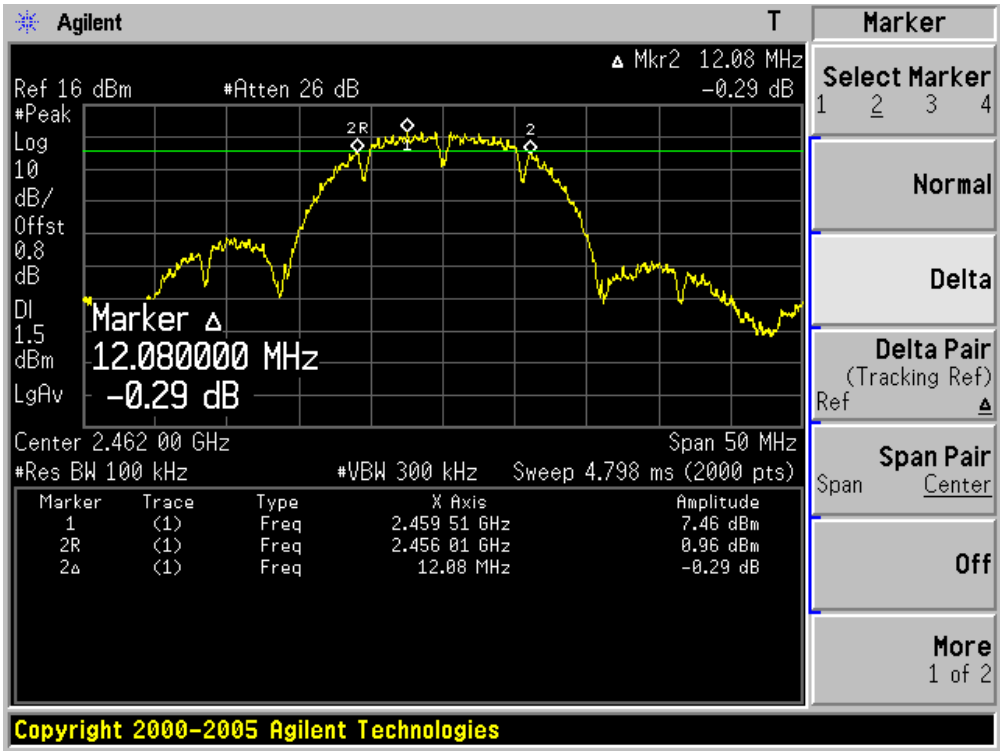
Channel 01 (2412MHz)



Channel 06 (2437MHz)



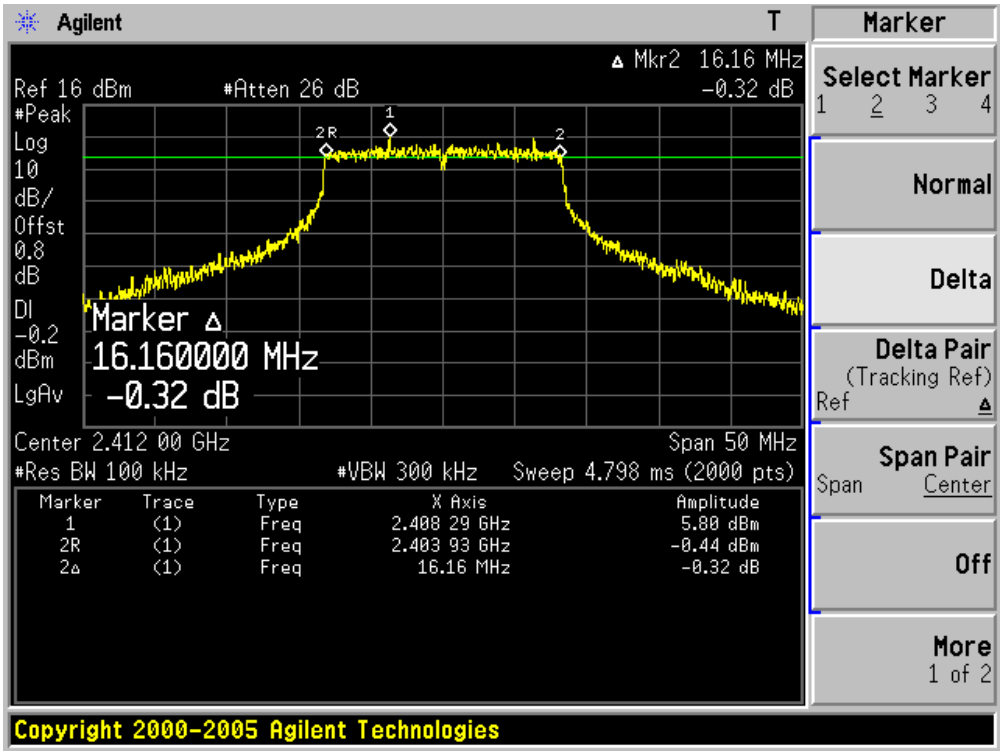
Channel 11 (2462MHz)



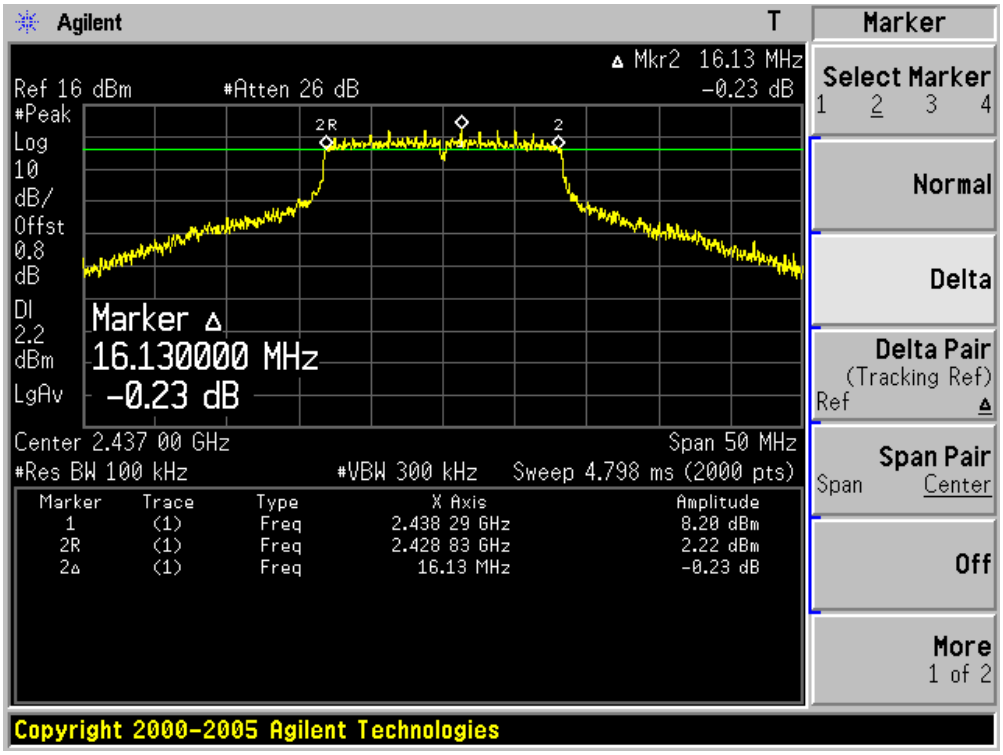
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 001)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	16160	500	Pass
06	2437	16130	500	Pass
11	2462	16180	500	Pass

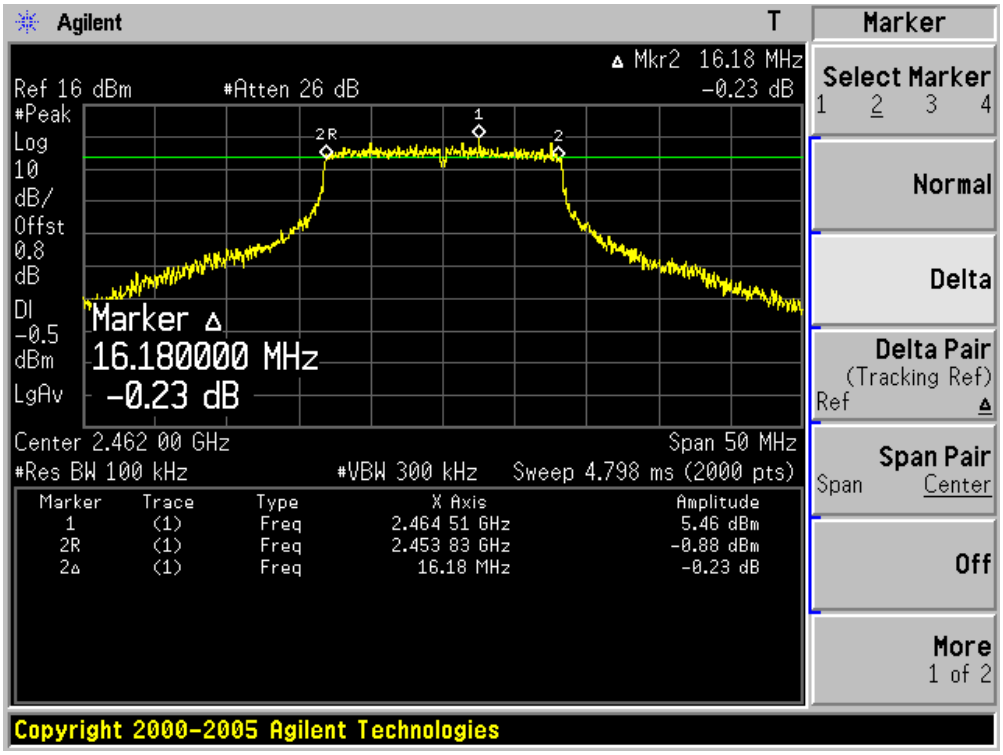
Channel 01 (2412MHz)



Channel 06 (2437MHz)



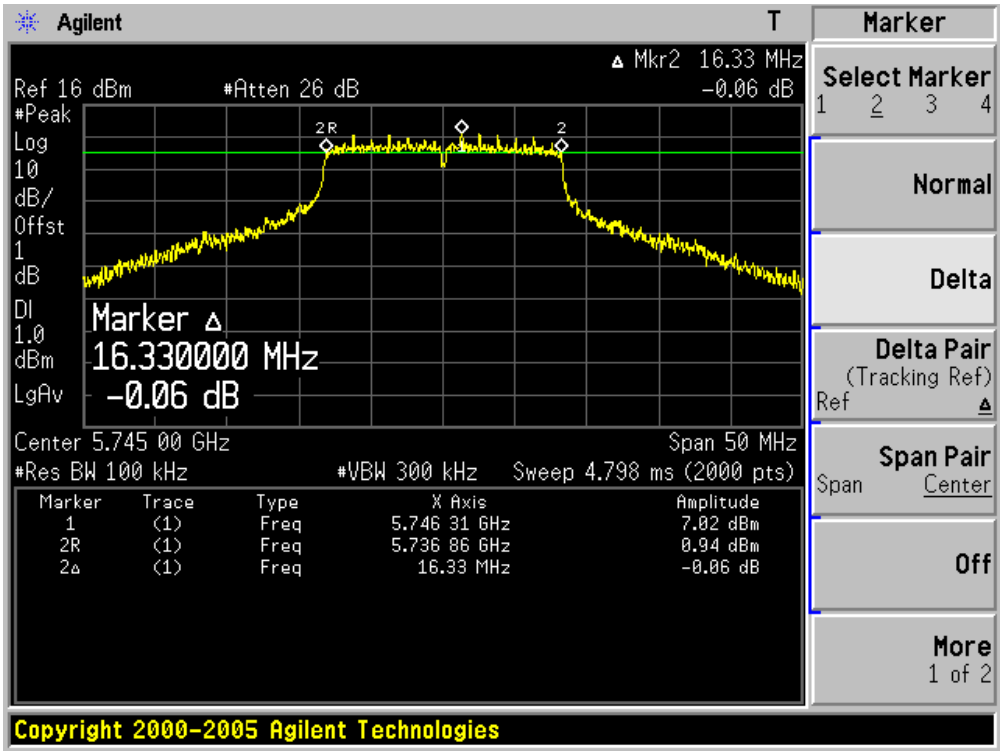
Channel 11 (2462MHz)



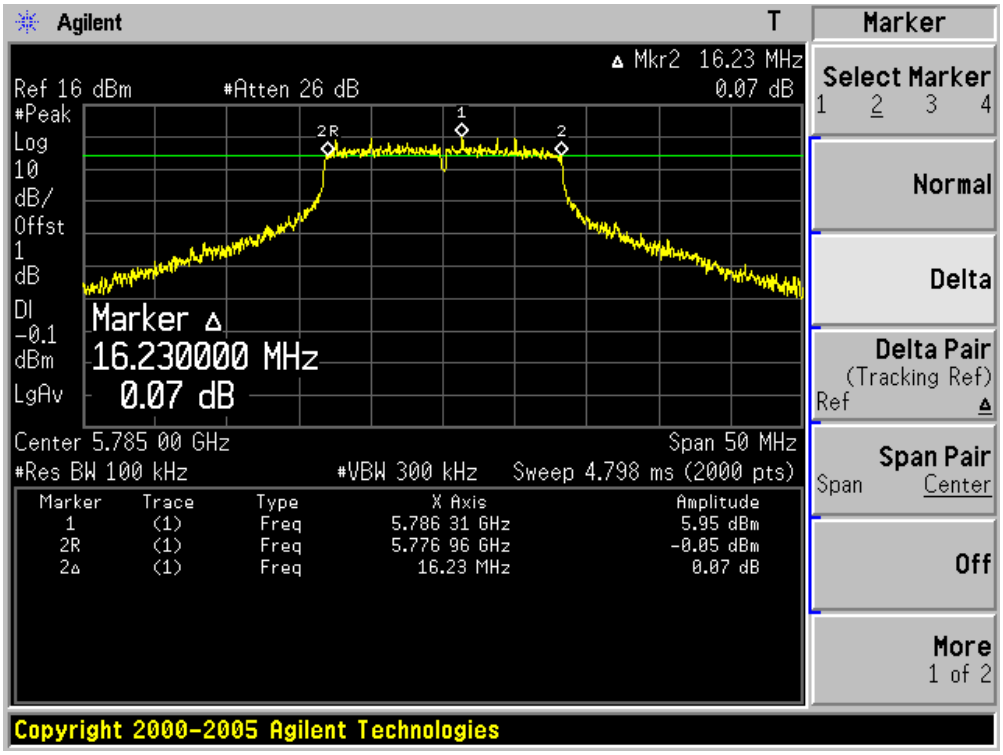
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 001)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
149	5745	16330	500	Pass
157	5785	16230	500	Pass
165	5825	16180	500	Pass

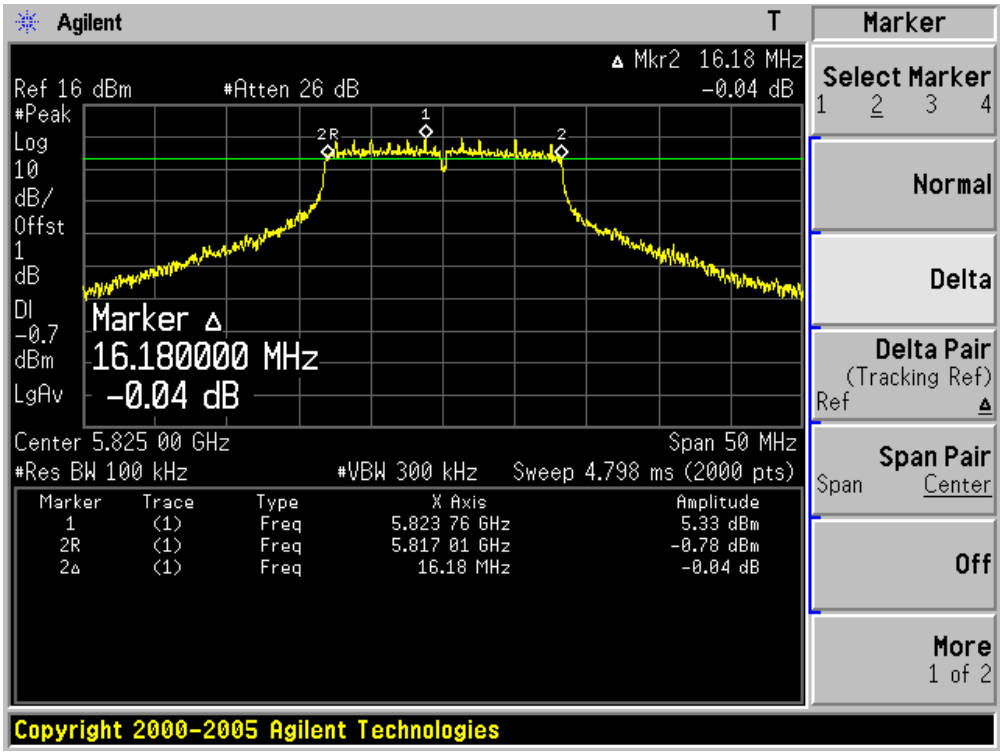
Channel 149 (5745MHz)



Channel 157 (5785MHz)



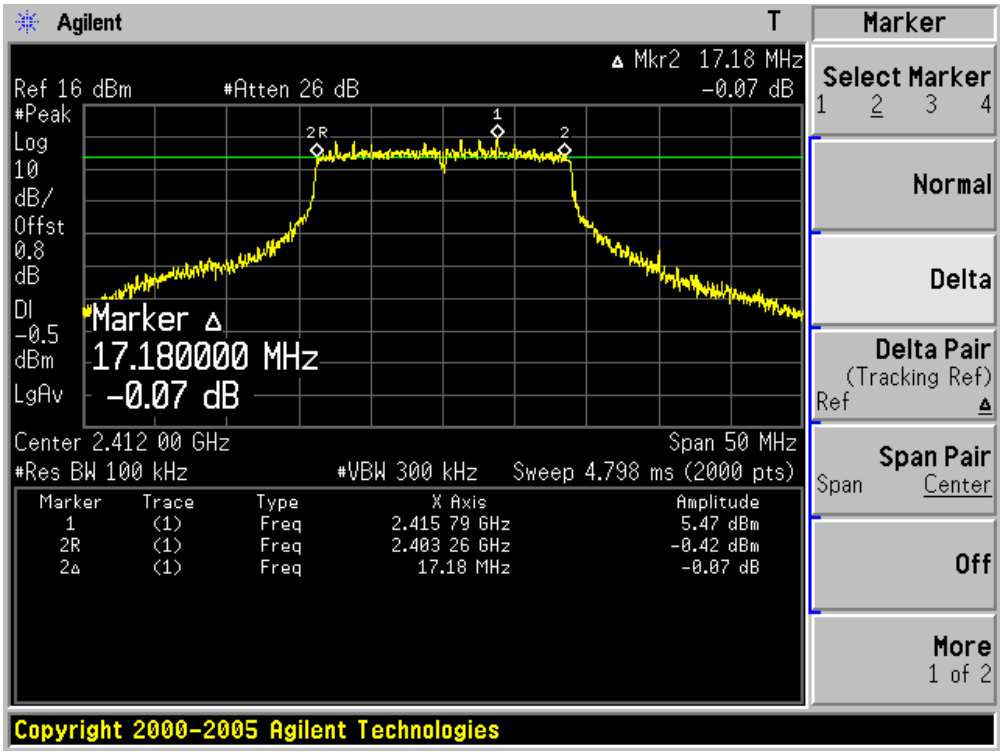
Channel 165 (5825MHz)



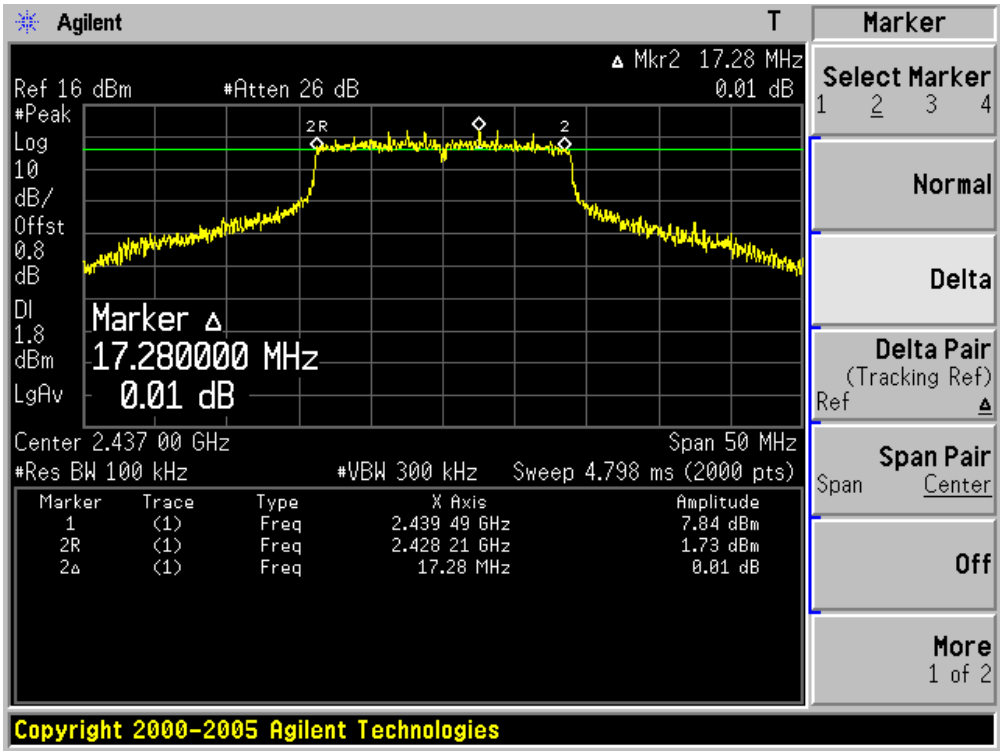
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 001)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	17180	500	Pass
06	2437	17280	500	Pass
11	2462	17180	500	Pass
149	5745	17310	500	Pass
157	5785	17310	500	Pass
165	5825	17480	500	Pass

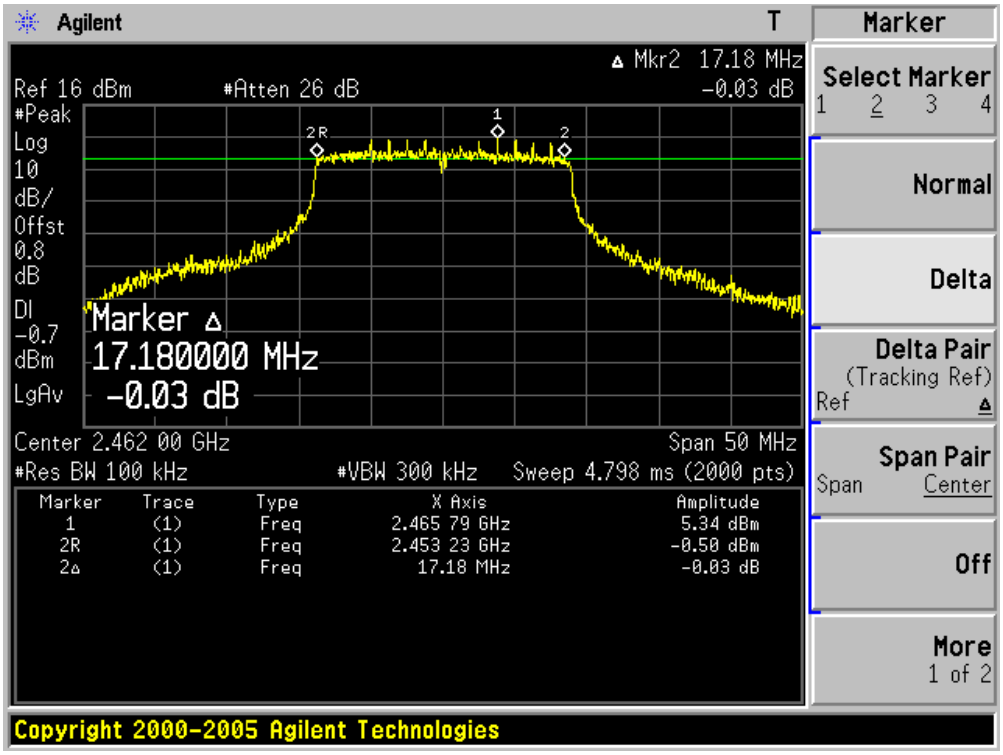
Channel 01 (2412MHz)



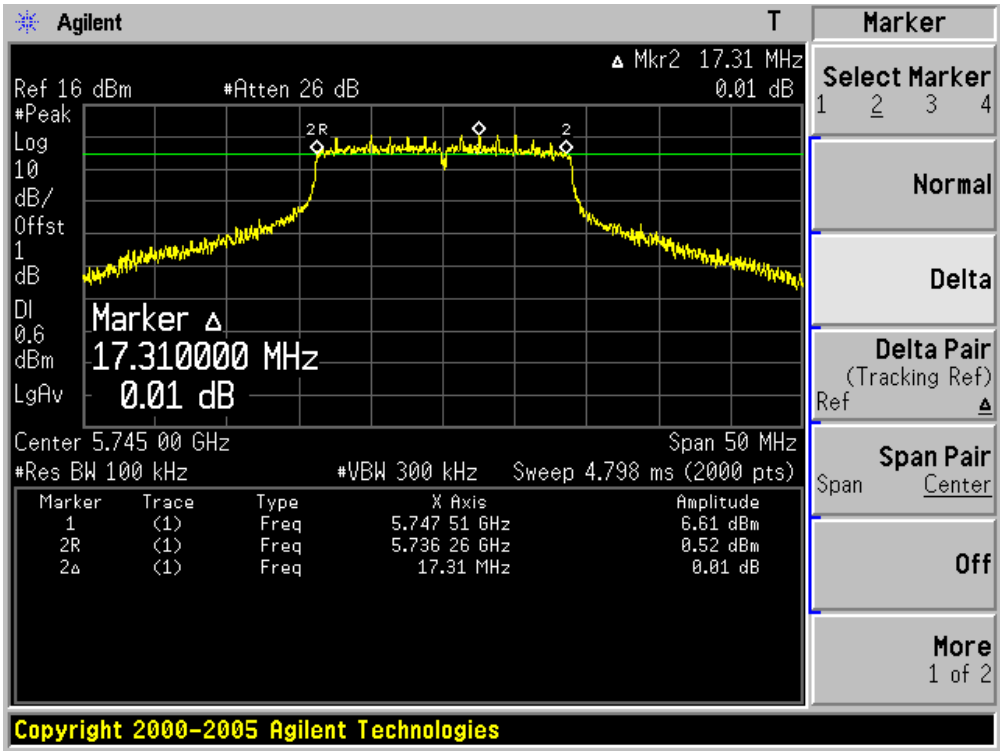
Channel 06 (2437MHz)



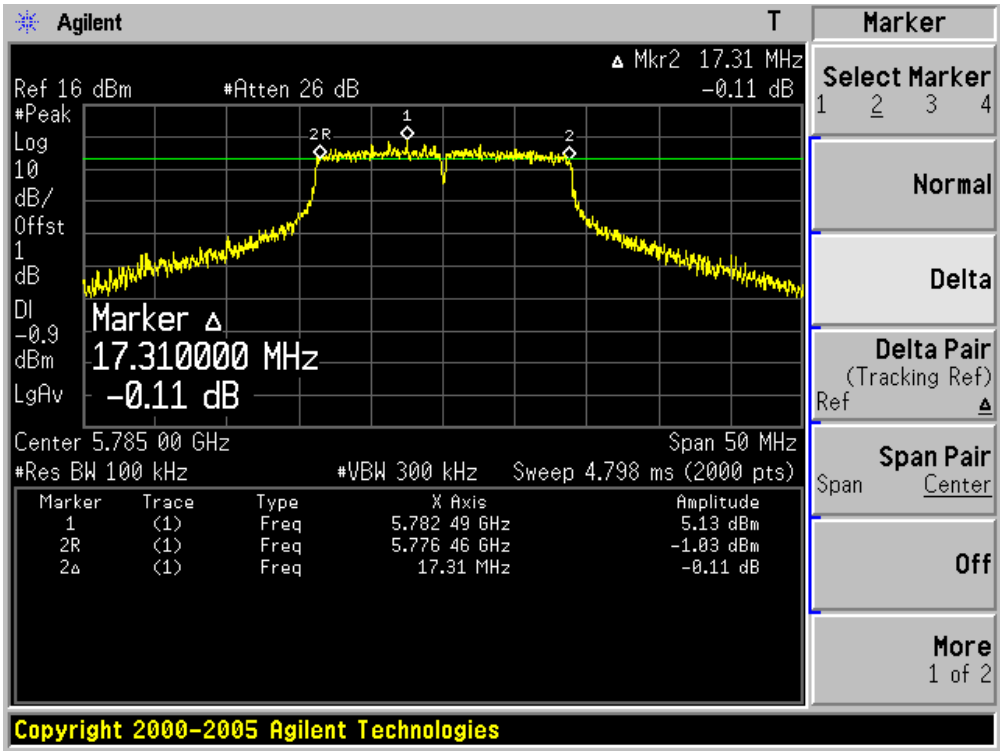
Channel 11 (2462MHz)



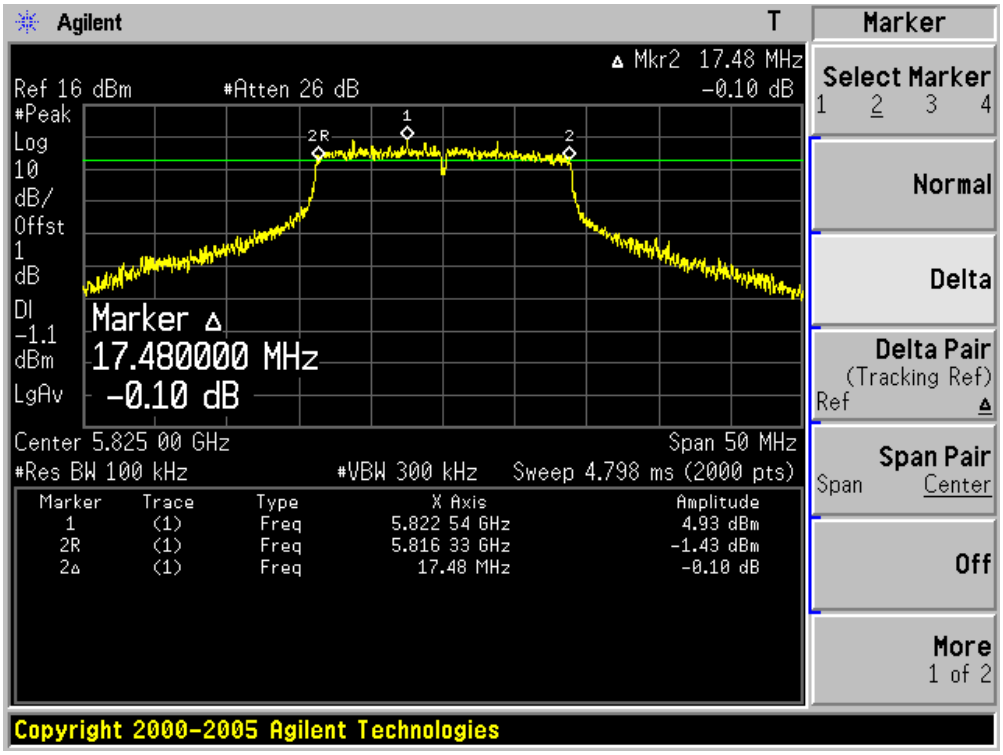
Channel 149 (5745MHz)



Channel 157 (5785MHz)



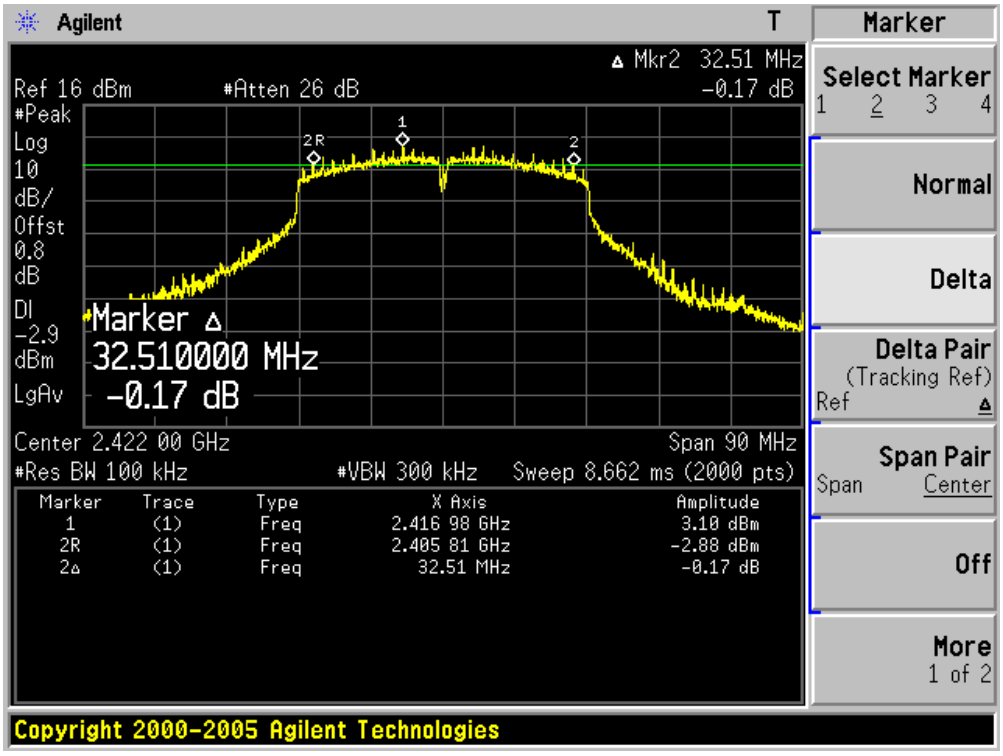
Channel 165 (5825MHz)



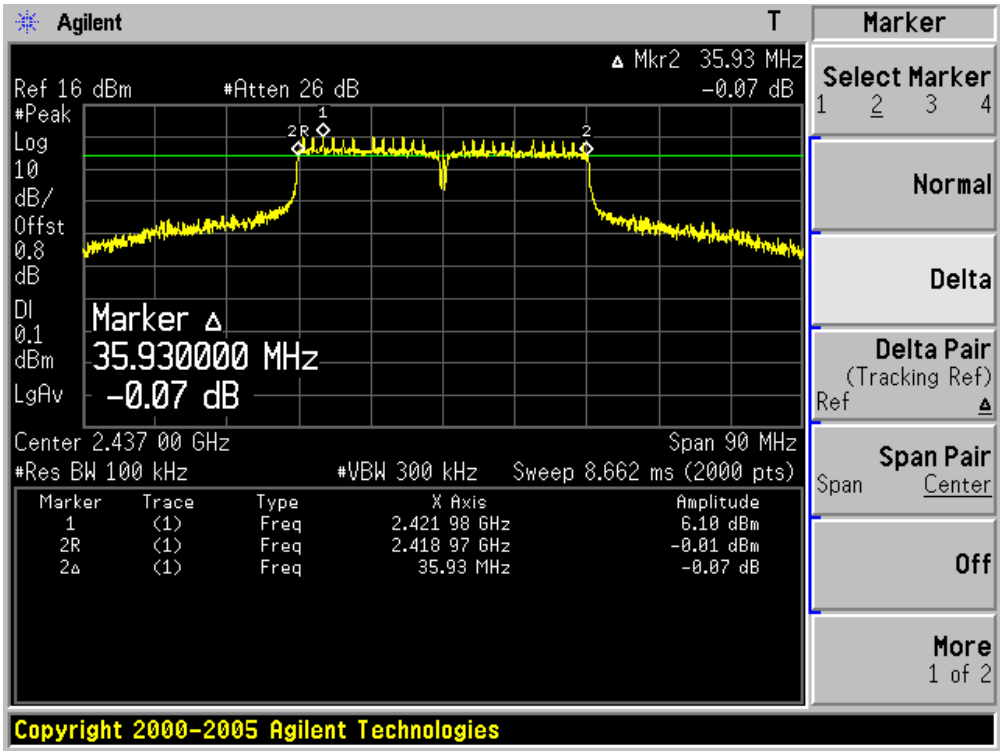
Product	:	AirPcap Nx
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 001)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	32510	500	Pass
06	2437	35930	500	Pass
09	2452	33720	500	Pass
151	5755	36150	500	Pass
159	5795	36110	500	Pass

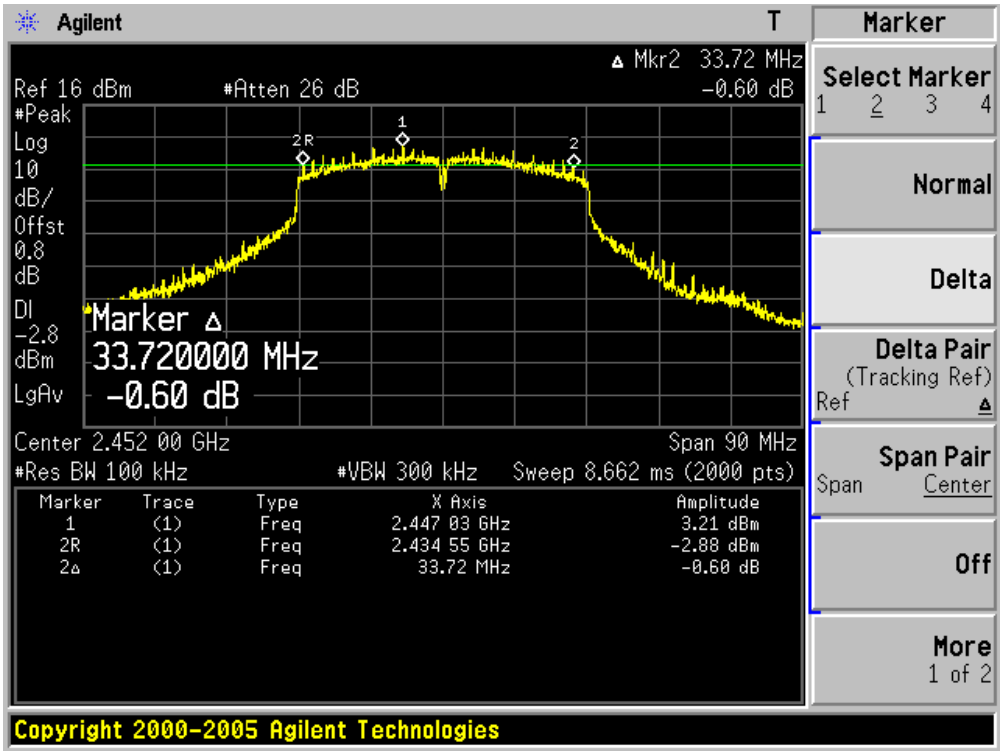
Channel 03 (2422MHz)



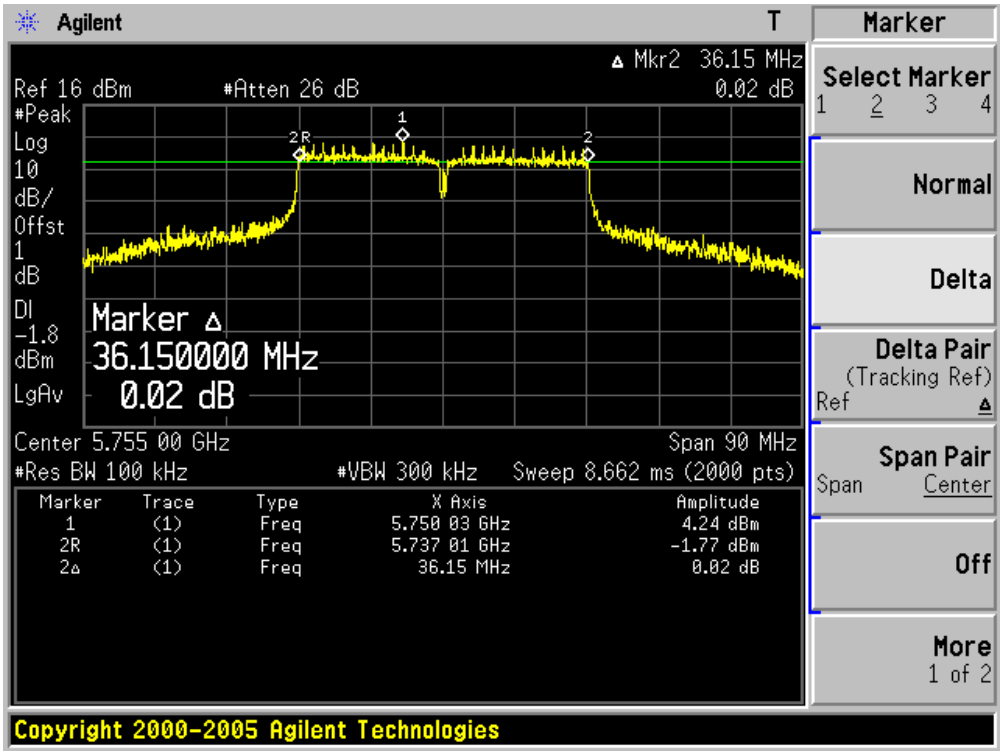
Channel 06 (2437MHz)



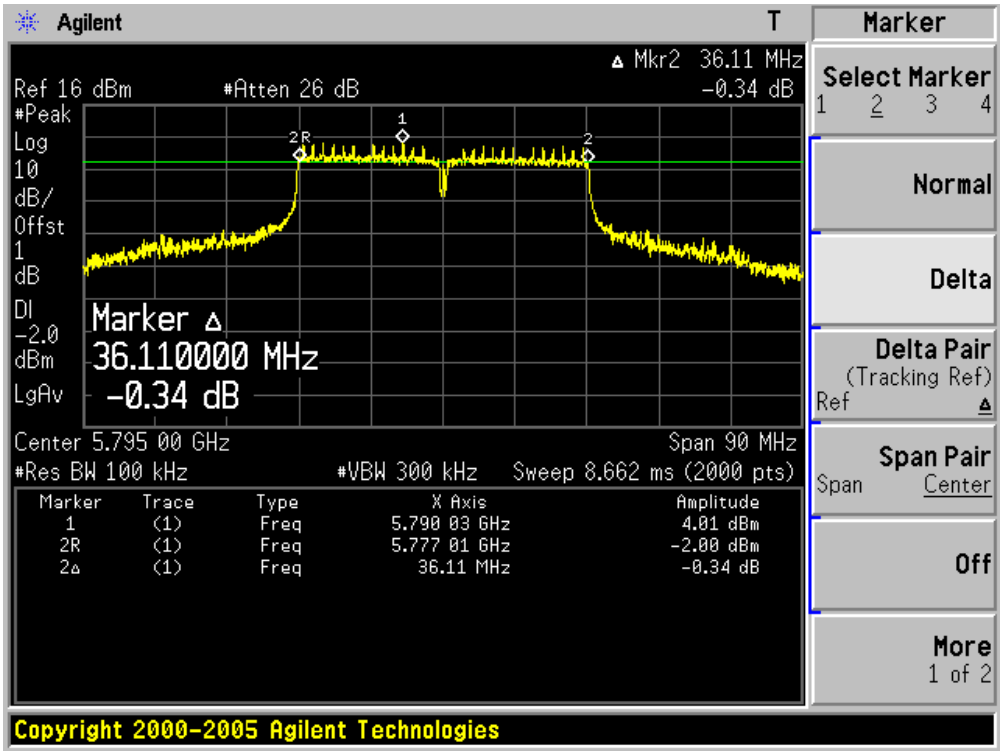
Channel 09 (2452MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



9. Power Output

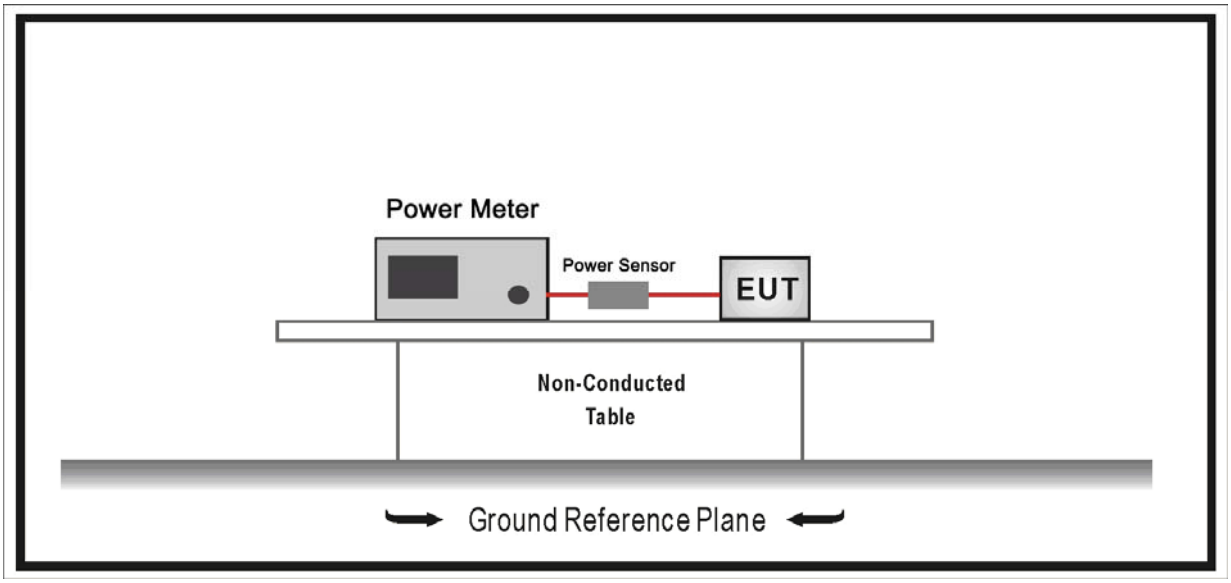
9.1. Test Equipment

Power Output / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2010.01.12
Power Sensor	Anritsu	MA2411B	0846014	2010.01.12
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2010.05.04

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

9.2. Test Setup



9.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

9.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

Use the wideband power meter to test peak power and record the result.

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

9.6. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (blue marker) for final test of each channel.

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)				
		802.11a	20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
0	1	6	6.5	7.2	13.5	15.0
1	1	9	13.0	14.4	27.0	30.0
2	1	12	19.5	21.7	40.5	45.0
3	1	18	26.0	28.9	54.0	60.0
4	1	24	39.0	43.3	81.0	90.0
5	1	36	52.0	57.8	108.0	120.0
6	1	48	58.5	65.0	121.5	135.0
7	1	54	65.0	72.2	135.0	150.0
8	2	---	13.0	14.4	27.0	30.0
9	2	---	26.0	28.9	54.0	60.0
10	2	---	39.0	43.3	81.0	90.0
11	2	---	52.0	57.8	108.0	120.0
12	2	---	78.0	86.7	162.0	180.0
13	2	---	104.0	115.6	216.0	240.0
14	2	---	117.0	130.0	243.0	270.0
15	2	---	130.0	144.0	270.0	300.0

Power output at various data rates:

Test Mode	Chain	Bandwidth	Frequency (MHz)	Channel	Data Rate	Peak Power (dBm)
802.11b	100	20	2437	6	1	22.61
					5.5	22.53
					11	22.38
802.11b	001	20	2437	6	1	22.23
					5.5	22.15
					11	21.96
802.11g	100	20	2437	6	6	25.83
					24	25.65
					54	25.43
802.11g	001	20	2437	6	6	25.52
					24	25.38
					54	25.16
802.11a	100	20	5785	157	6	22.88
					24	22.75
					54	22.53
802.11a	001	20	5785	157	6	23.50
					24	23.38
					54	23.19
802.11n	100	20	2437	6	HT0	26.04
					HT4	25.78
					HT7	25.56
802.11n	001	20	2437	6	HT0	25.72
					HT4	25.59
					HT7	25.36
802.11n	100	40	2437	6	HT0	26.18
					HT4	25.81
					HT7	25.68
802.11n	001	40	2437	6	HT0	25.66
					HT4	25.57
					HT7	25.48

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 100)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	21.85	N/A	21.85	30.00	Pass
6	2437	22.61	N/A	22.61	30.00	Pass
11	2462	22.73	N/A	22.73	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 001)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	N/A	19.14	19.14	30.00	Pass
6	2437	N/A	22.23	22.23	30.00	Pass
11	2462	N/A	21.05	21.05	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 100)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	23.33	N/A	23.33	30.00	Pass
6	2437	25.83	N/A	25.83	30.00	Pass
11	2462	23.55	N/A	23.55	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 001)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	N/A	23.26	23.26	30.00	Pass
6	2437	N/A	25.52	25.52	30.00	Pass
11	2462	N/A	23.08	23.08	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 100)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
149	5745	23.16	N/A	23.16	30.00	Pass
157	5785	22.88	N/A	22.88	30.00	Pass
165	5825	23.00	N/A	23.00	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 001)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
149	5745	N/A	23.21	23.21	30.00	Pass
157	5785	N/A	23.40	23.40	30.00	Pass
165	5825	N/A	23.02	23.02	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(20MHz) (Chain 100)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	23.32	N/A	23.32	30.00	Pass
6	2437	26.04	N/A	26.04	30.00	Pass
11	2462	23.40	N/A	23.40	30.00	Pass
149	5745	23.25	N/A	23.25	30.00	Pass
157	5785	22.91	N/A	22.91	30.00	Pass
165	5825	23.04	N/A	23.04	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(20MHz) (Chain 001)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	N/A	22.95	22.95	30.00	Pass
6	2437	N/A	25.72	25.72	30.00	Pass
11	2462	N/A	22.48	22.48	30.00	Pass
149	5745	N/A	24.41	24.41	30.00	Pass
157	5785	N/A	23.64	23.64	30.00	Pass
165	5825	N/A	23.11	23.11	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(20MHz) (Chain 101)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
1	2412	22.98	23.02	26.01	30.00	Pass
6	2437	23.83	23.39	26.63	30.00	Pass
11	2462	22.01	21.70	24.87	30.00	Pass
149	5745	23.08	24.24	26.71	30.00	Pass
157	5785	22.80	23.60	26.23	30.00	Pass
165	5825	23.18	23.13	26.17	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 5: Transmit by 802.11n(40MHz) (Chain 100)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
3	2422	23.36	N/A	23.36	30.00	Pass
6	2437	26.16	N/A	26.16	30.00	Pass
9	2452	23.61	N/A	23.61	30.00	Pass
151	5755	22.82	N/A	22.82	30.00	Pass
159	5795	23.12	N/A	23.12	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 5: Transmit by 802.11n(40MHz) (Chain 001)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
3	2422	N/A	21.65	21.65	30.00	Pass
6	2437	N/A	25.66	25.66	30.00	Pass
9	2452	N/A	21.89	21.89	30.00	Pass
151	5755	N/A	23.80	23.80	30.00	Pass
159	5795	N/A	23.42	23.42	30.00	Pass

Product	:	AirPcap Nx
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 5: Transmit by 802.11n(40MHz) (Chain 101)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
3	2422	20.46	20.63	23.56	30.00	Pass
6	2437	23.49	22.82	26.18	30.00	Pass
9	2452	21.59	21.36	24.49	30.00	Pass
151	5755	23.07	23.95	26.54	30.00	Pass
159	5795	23.29	23.51	26.41	30.00	Pass

10. Power Spectral Density

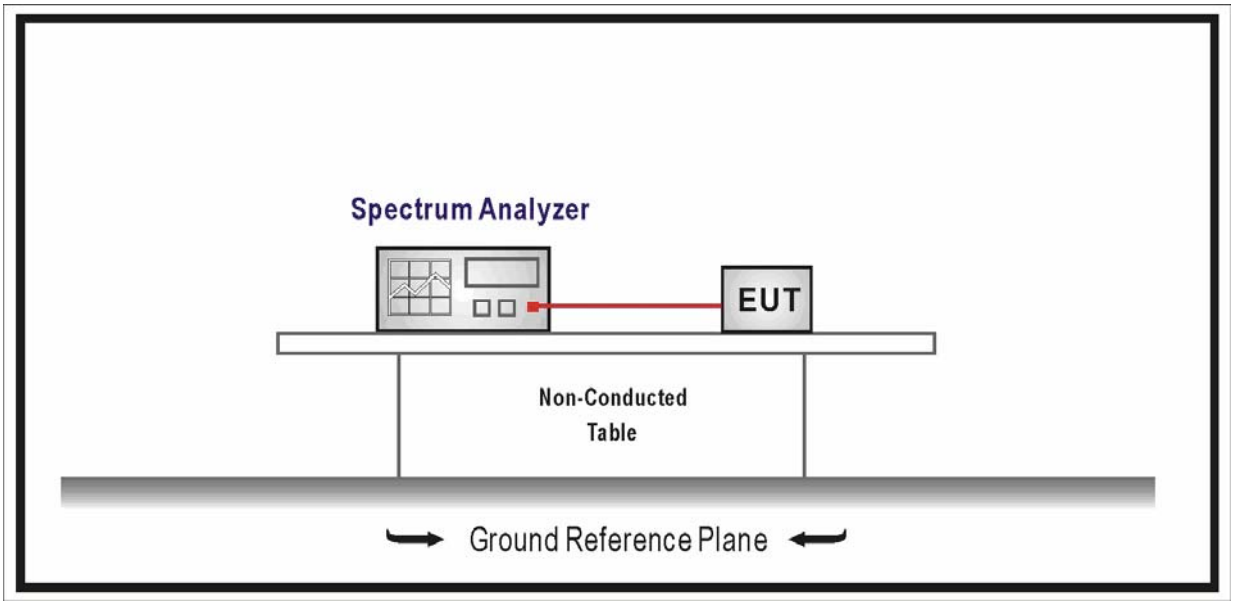
10.1. Test Equipment

Power Spectral Density / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2010.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2010.05.04

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

10.2. Test Setup



10.3. Limit

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

10.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 10 kHz, Sweep time=100s, Set detector=Peak detector.

10.5. Uncertainty

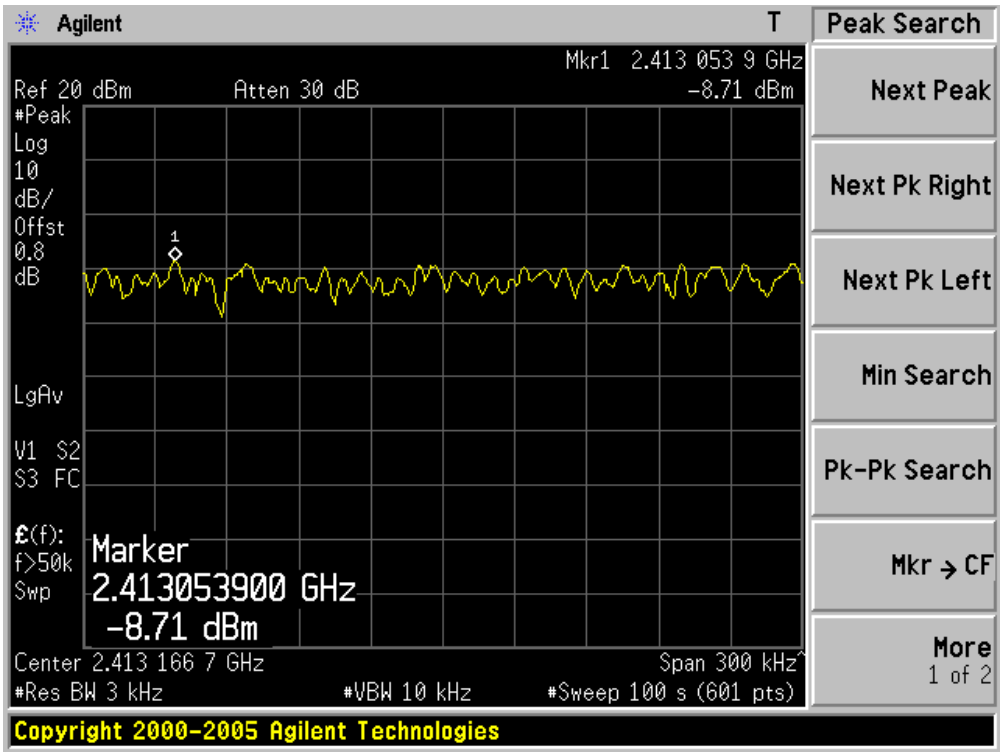
The measurement uncertainty is defined as ± 1.27 dB

10.6. Test Result

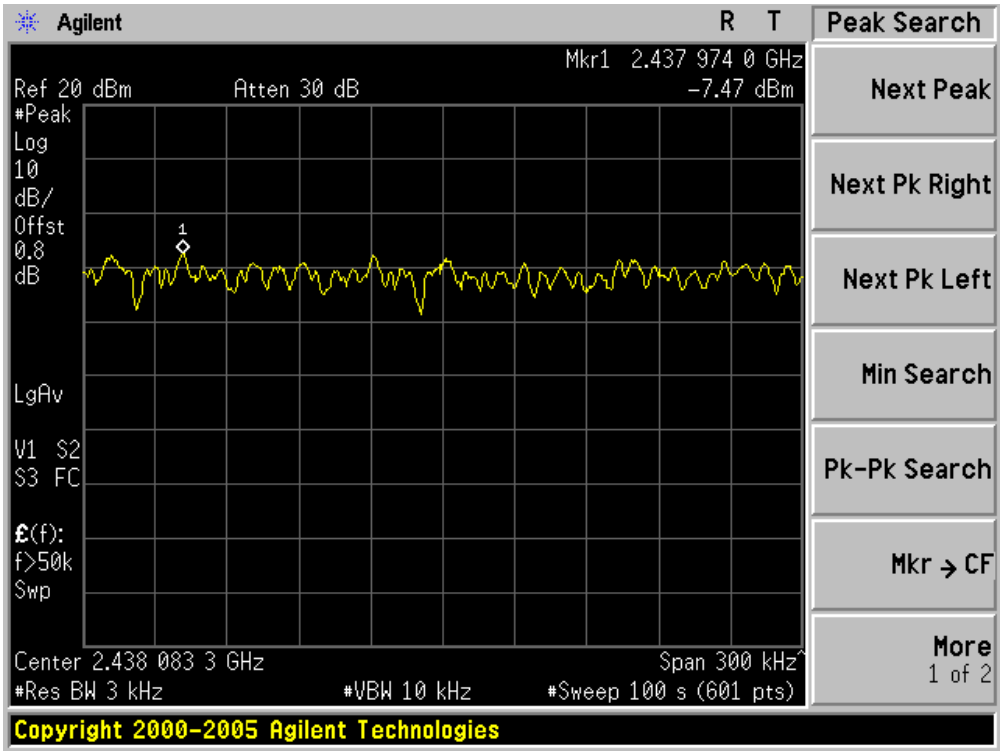
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 100)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	-8.71	N/A	-8.71	8	Pass
06	2437	-7.47	N/A	-7.47	8	Pass
11	2462	-11.97	N/A	-11.97	8	Pass

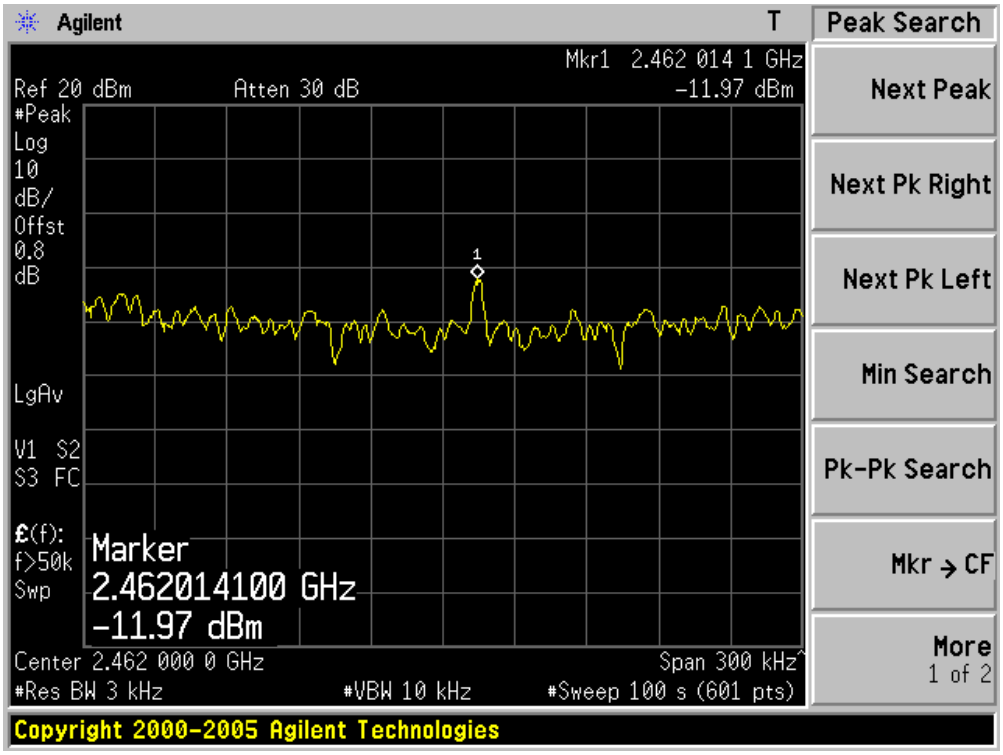
Channel 01 (2412MHz)



Channel 06 (2437MHz)



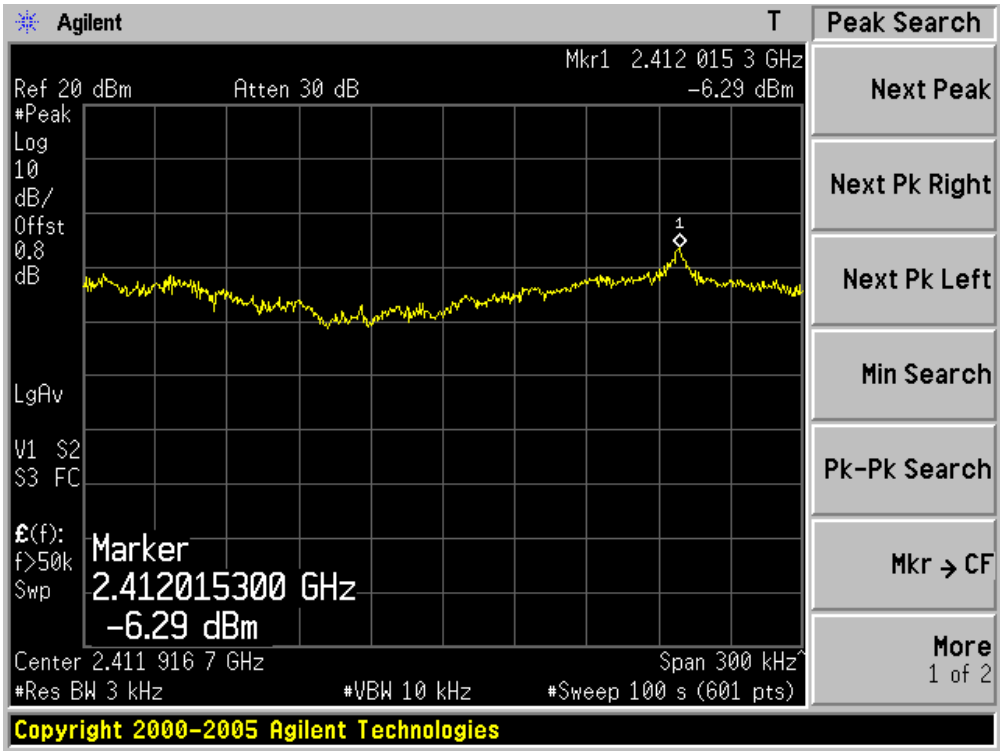
Channel 11 (2462MHz)



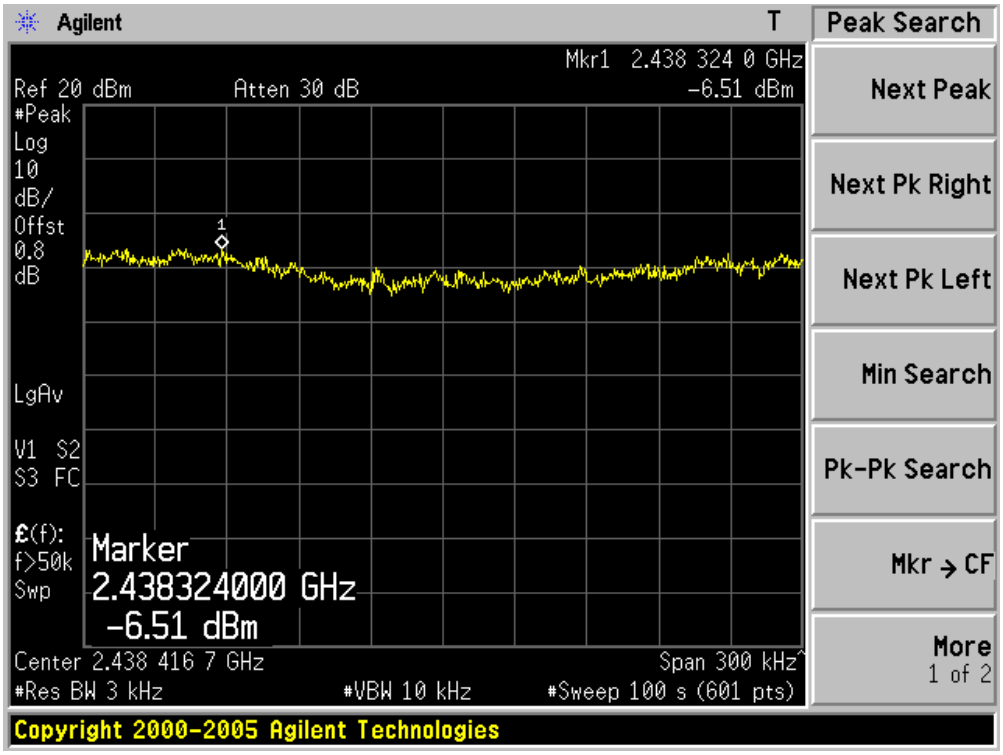
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 100)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	-6.29	N/A	-6.29	8	Pass
06	2437	-6.51	N/A	-6.51	8	Pass
11	2462	-6.64	N/A	-6.64	8	Pass

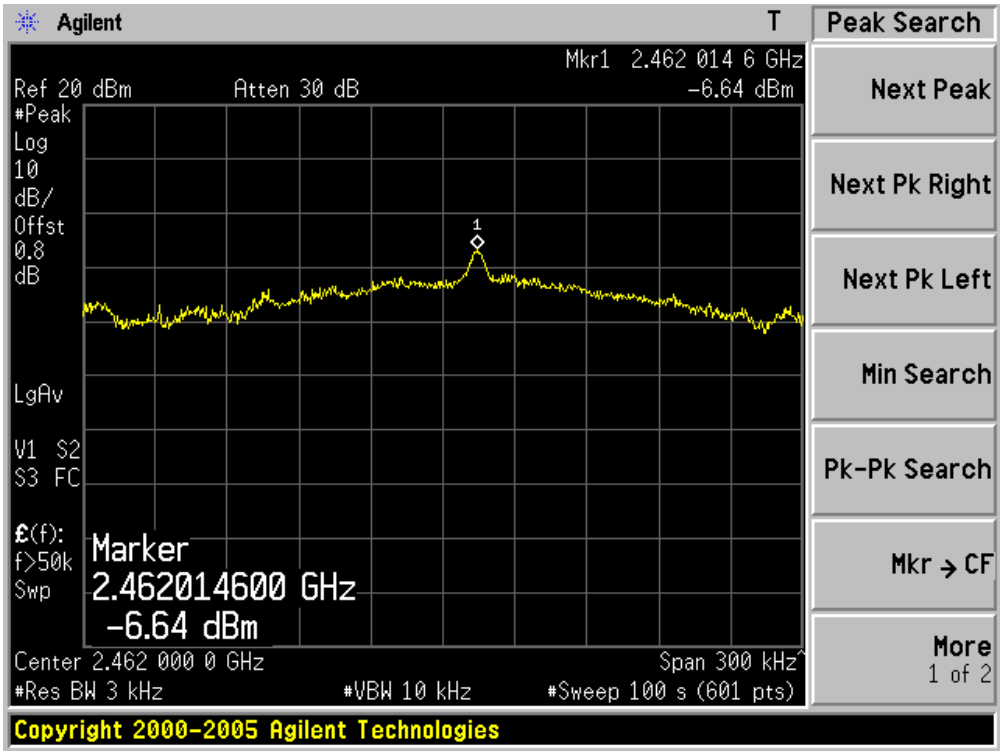
Channel 01 (2412MHz)



Channel 06 (2437MHz)



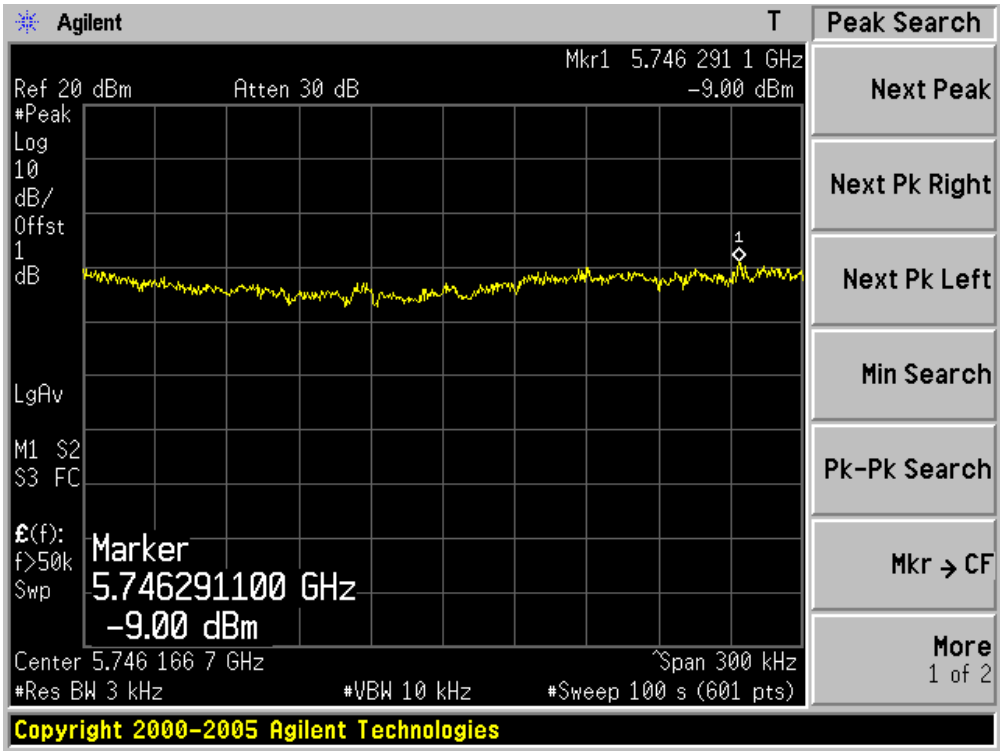
Channel 11 (2462MHz)



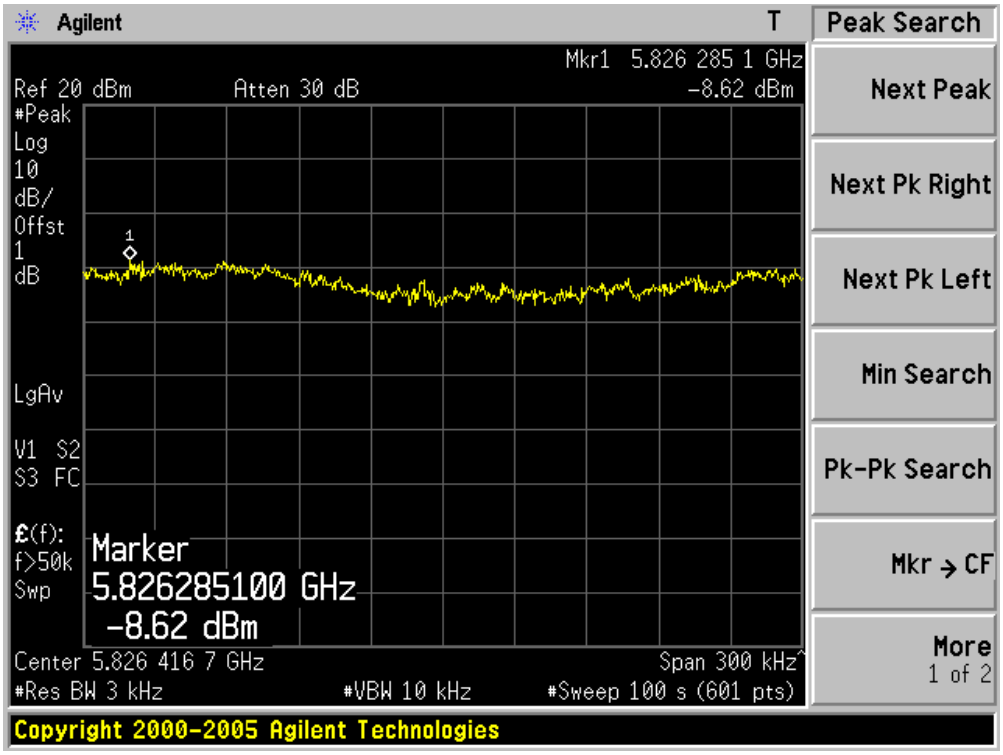
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 100)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
149	5745	-9.00	N/A	-9.00	8	Pass
157	5785	-8.62	N/A	-8.62	8	Pass
165	5825	-8.62	N/A	-8.62	8	Pass

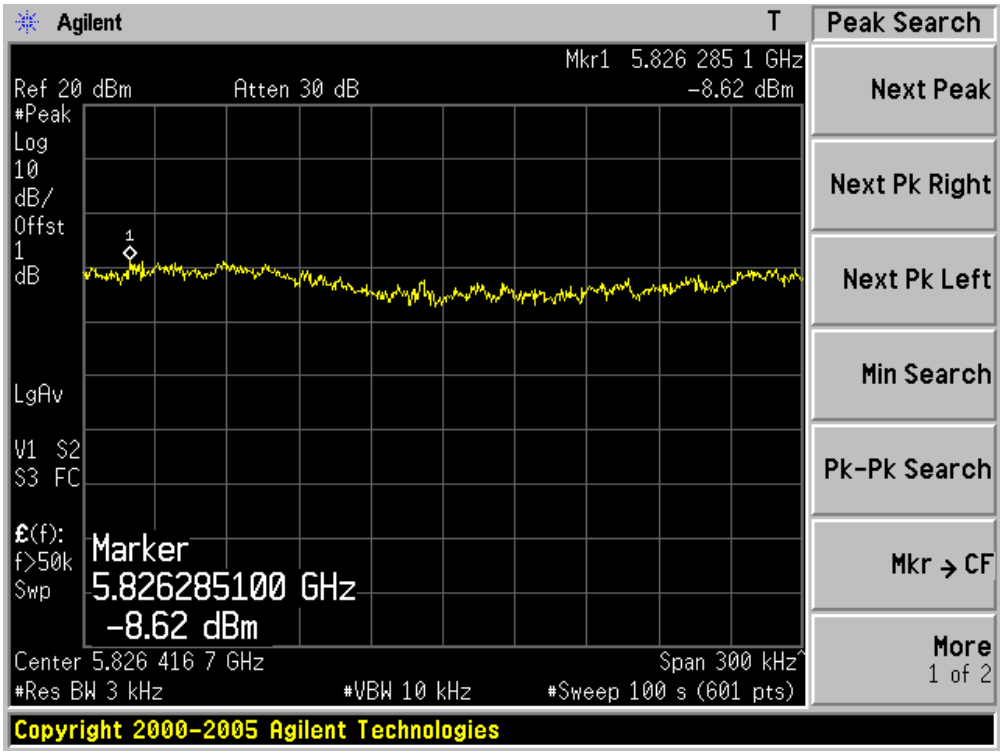
Channel 149 (5745MHz)



Channel 157 (5785MHz)



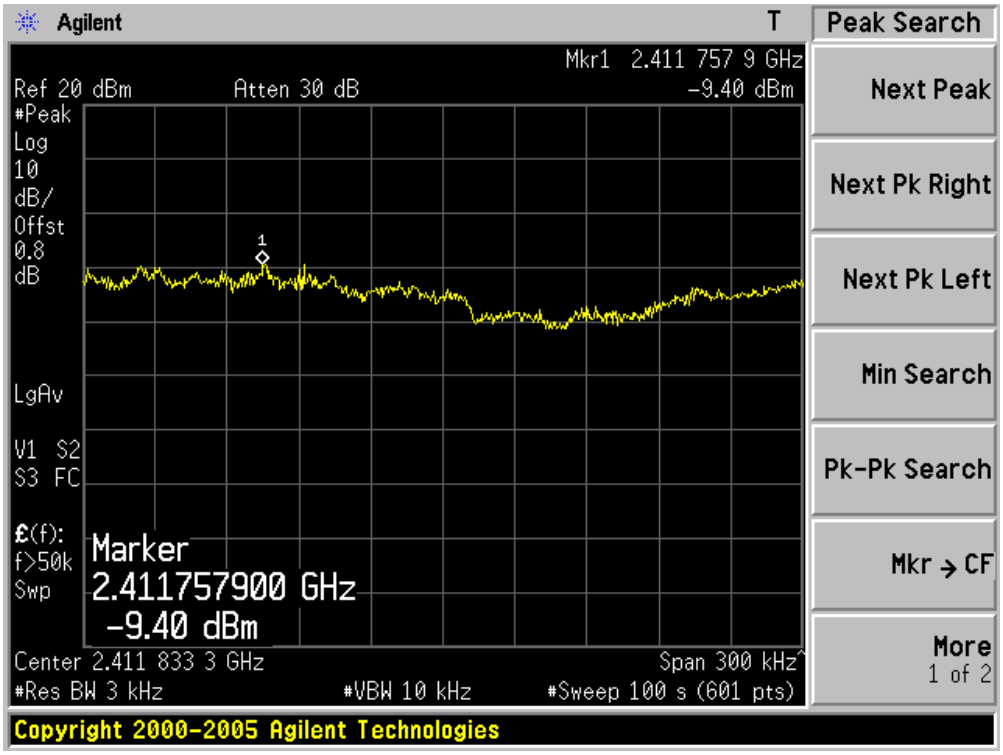
Channel 165 (5825MHz)



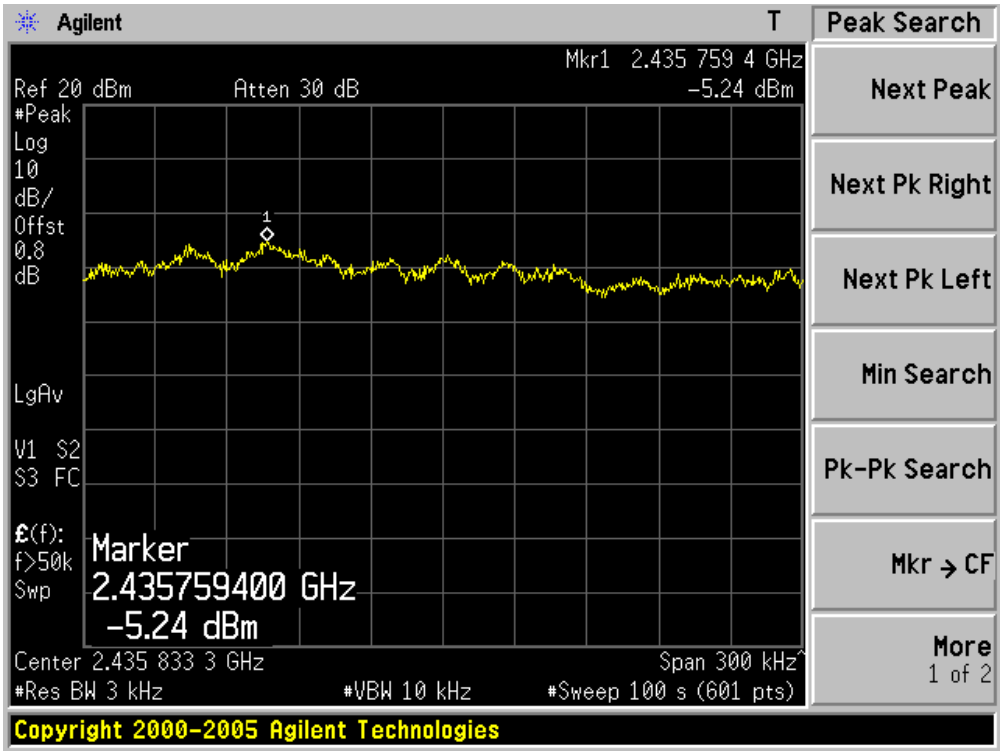
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 100)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	-9.40	N/A	-9.40	8	Pass
06	2437	-5.24	N/A	-5.24	8	Pass
11	2462	-7.77	N/A	-7.77	8	Pass
149	5745	-9.85	N/A	-9.85	8	Pass
157	5785	-6.94	N/A	-6.94	8	Pass
165	5825	-10.38	N/A	-10.38	8	Pass

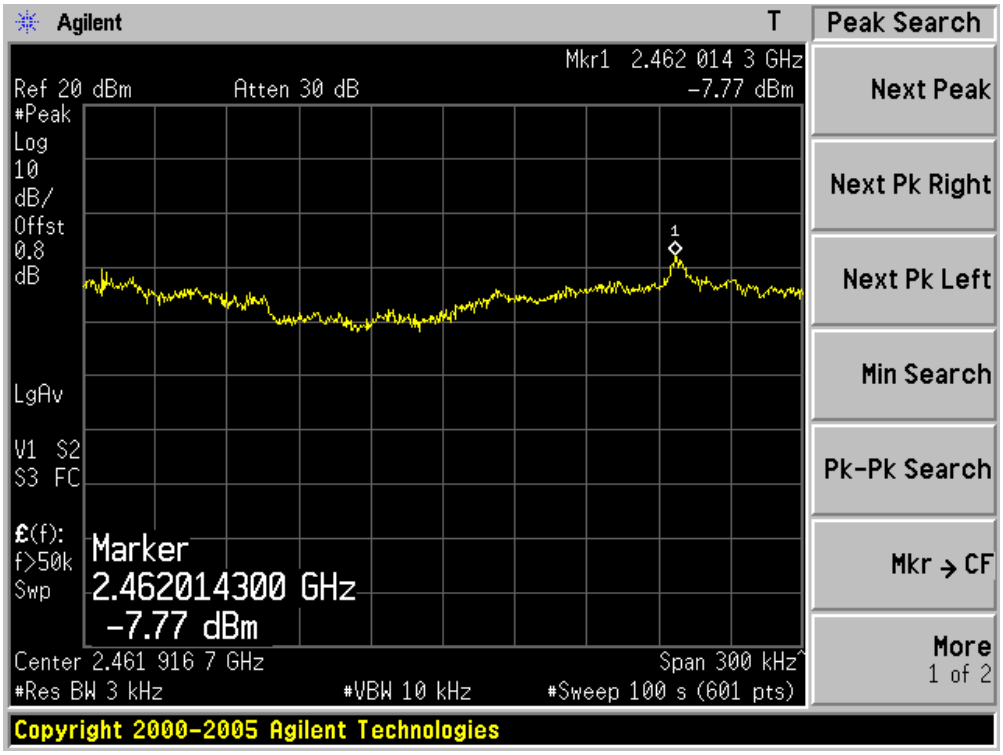
Channel 01 (2412MHz)



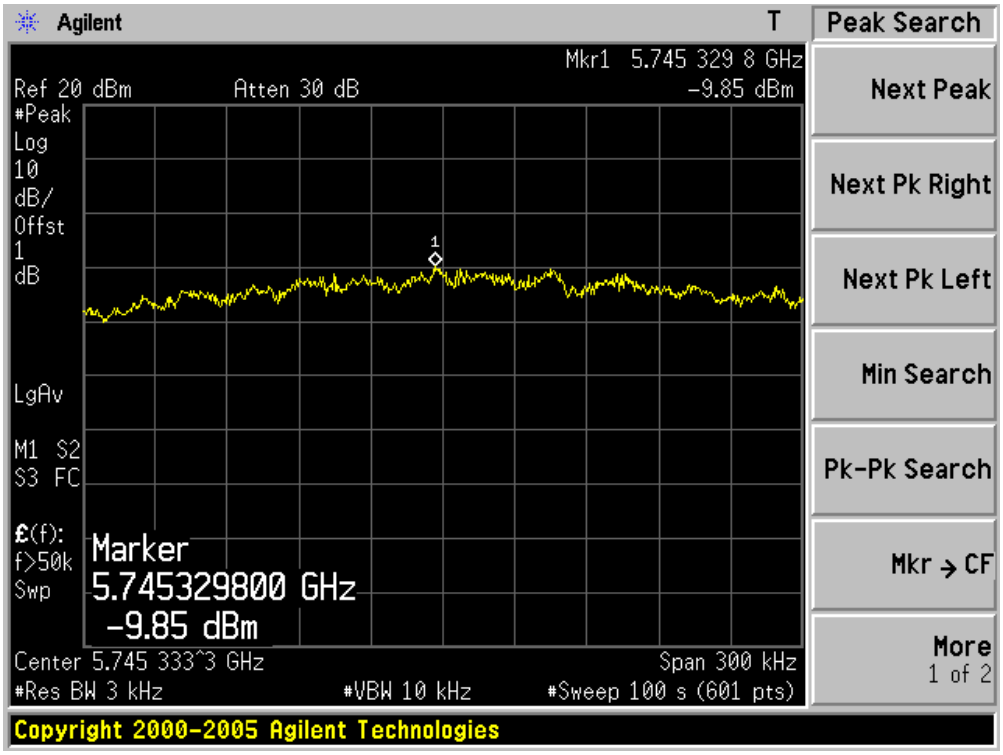
Channel 06 (2437MHz)



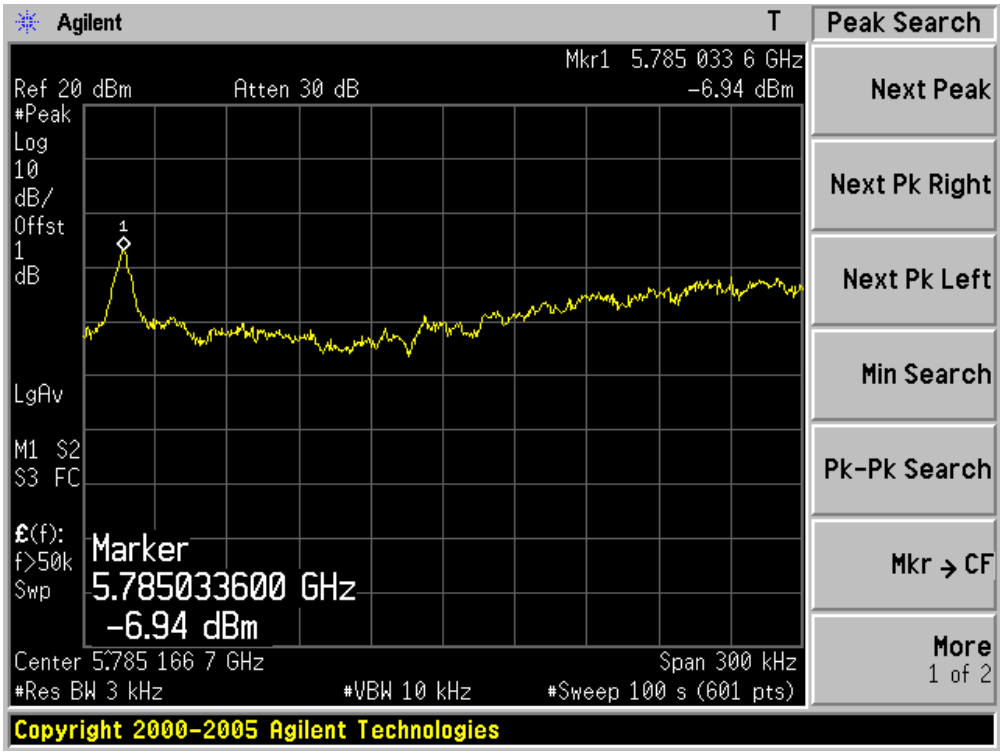
Channel 11 (2462MHz)



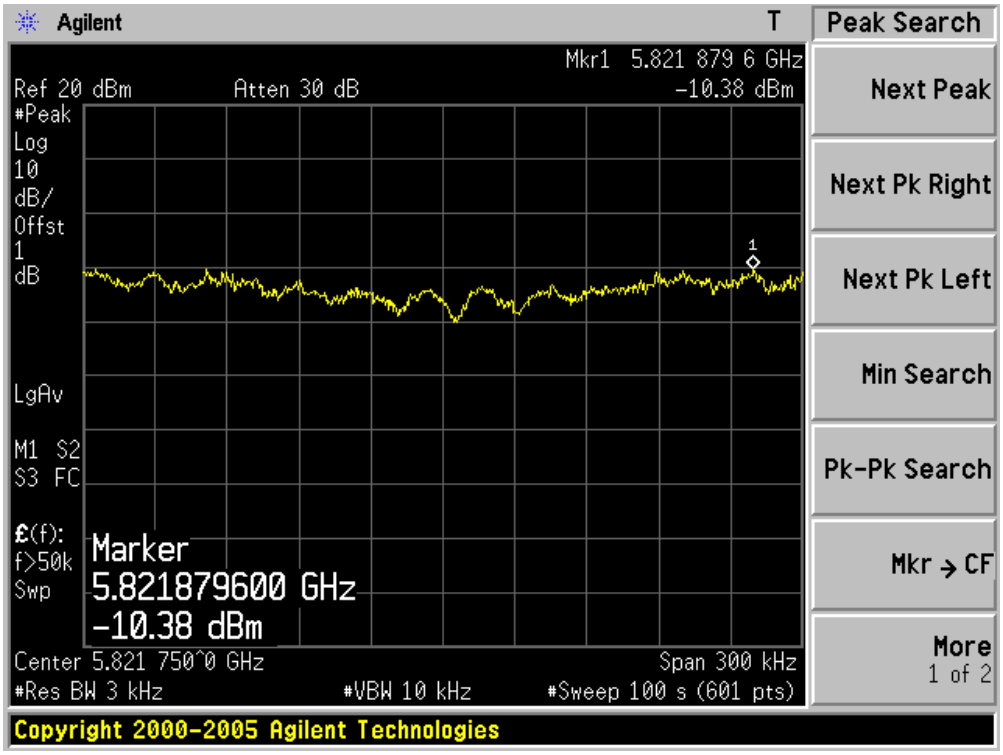
Channel 149 (5745MHz)



Channel 157 (5785MHz)



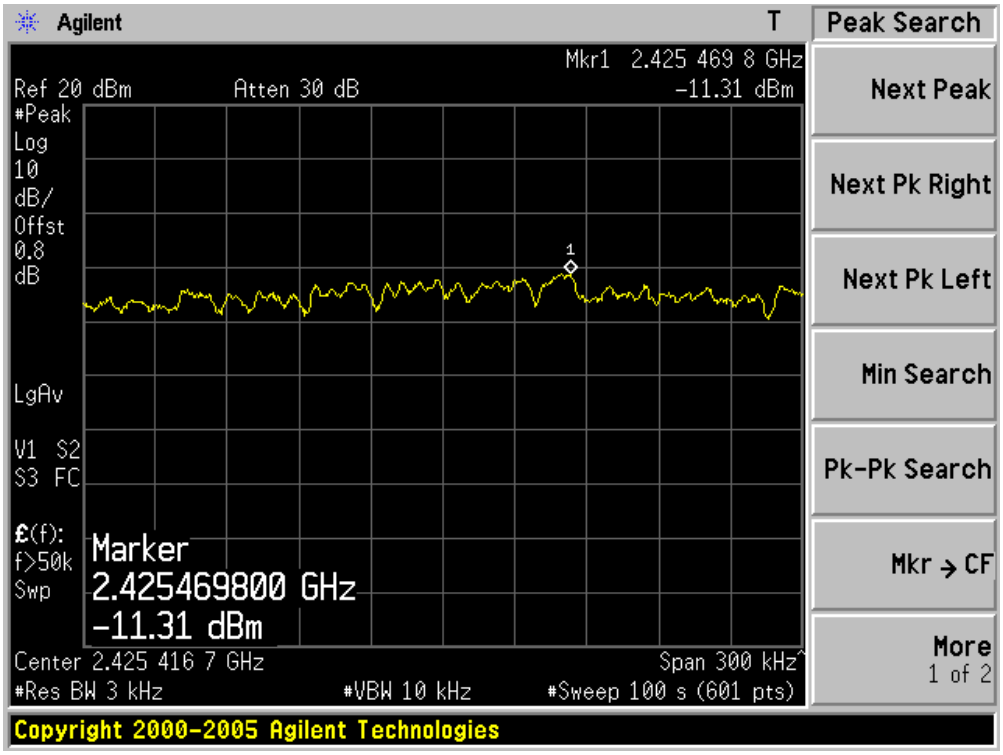
Channel 165 (5825MHz)



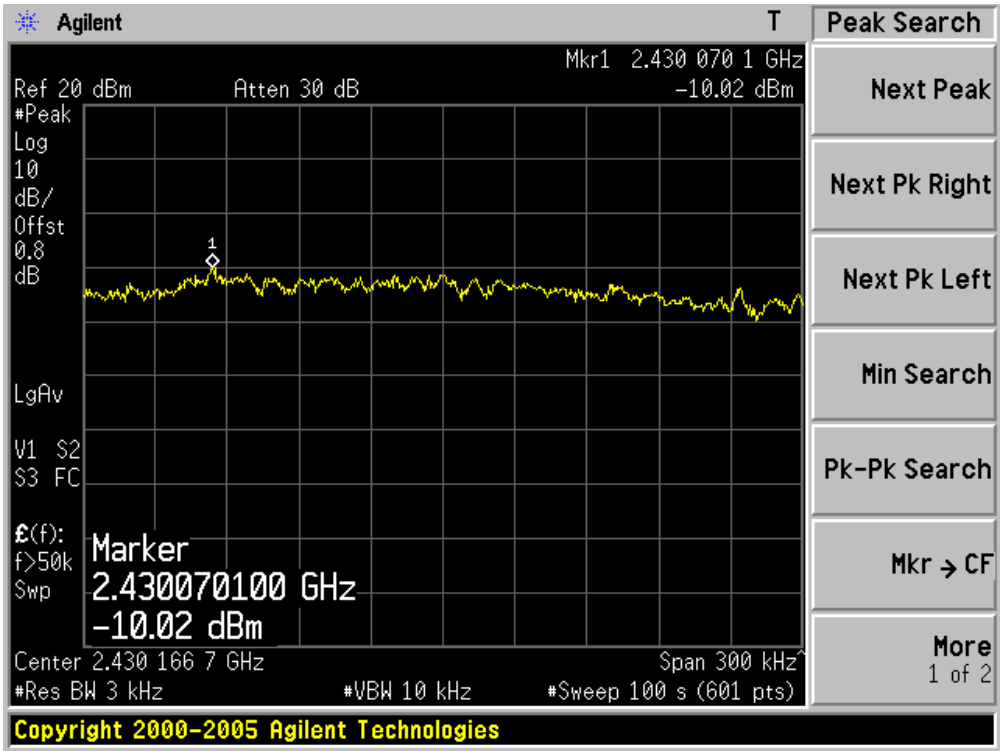
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 100)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
03	2422	-11.31	N/A	-11.31	8	Pass
06	2437	-10.02	N/A	-10.02	8	Pass
09	2452	-10.85	N/A	-10.85	8	Pass
151	5755	-10.84	N/A	-10.84	8	Pass
159	5795	-13.18	N/A	-13.18	8	Pass

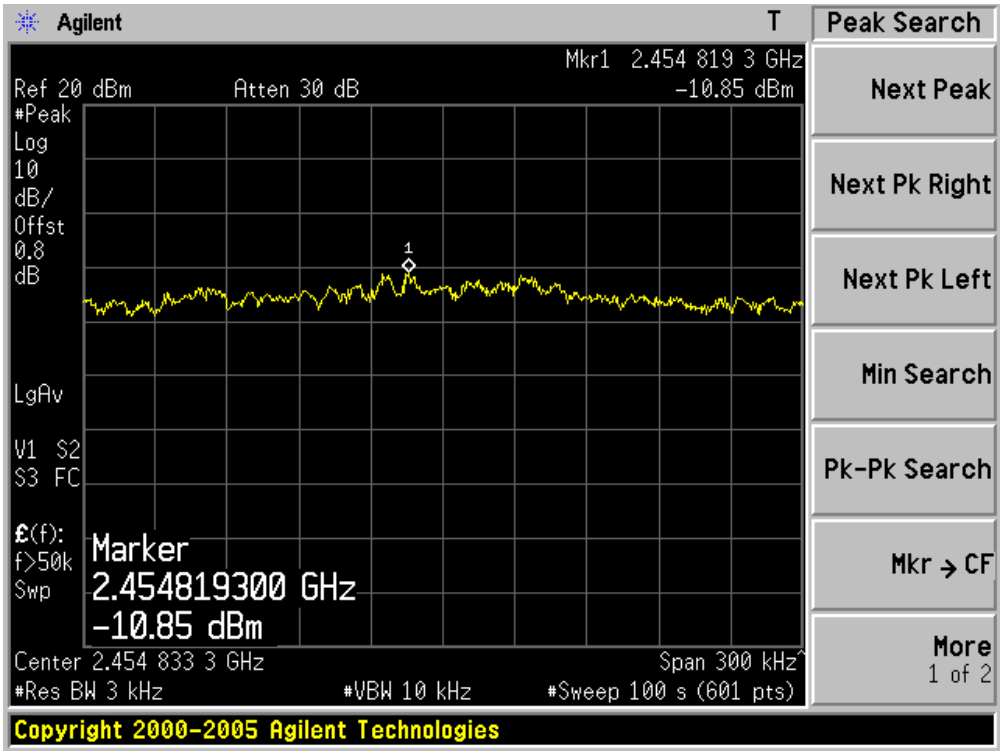
Channel 03 (2422MHz)



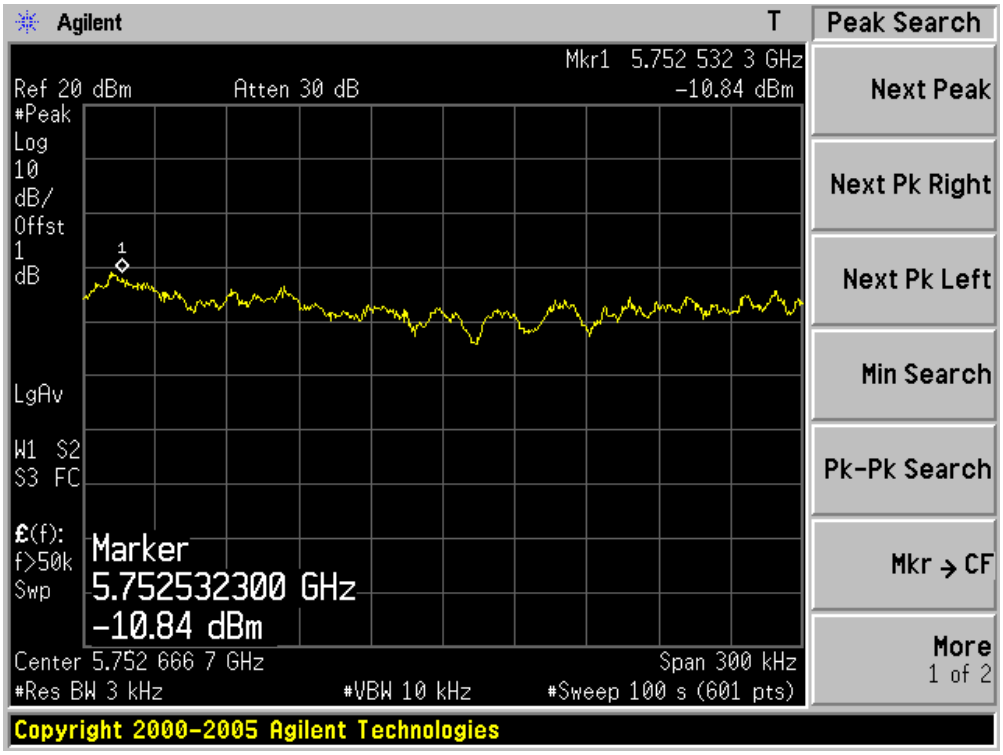
Channel 06 (2437MHz)



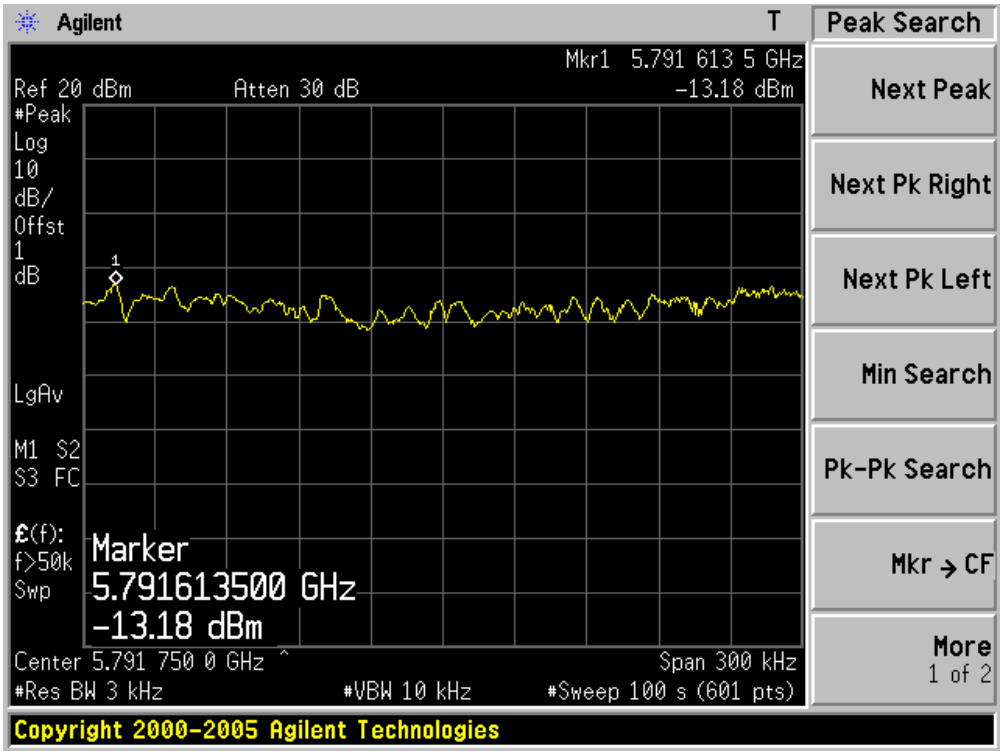
Channel 09 (2452MHz)



Channel 151 (5755MHz)



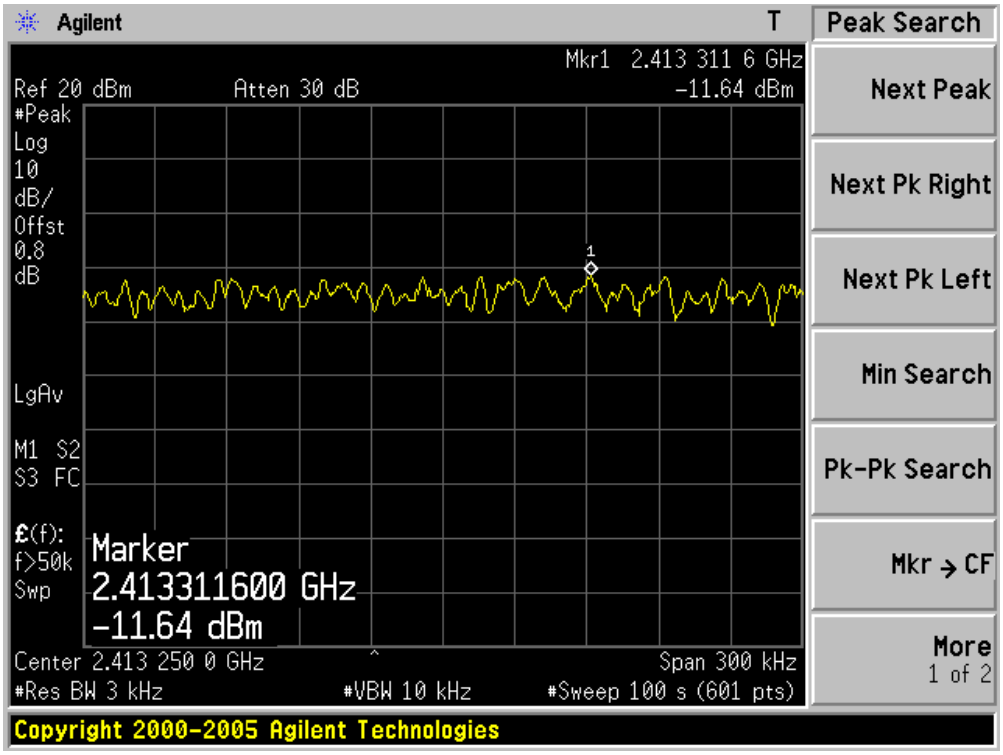
Channel 159 (5795MHz)



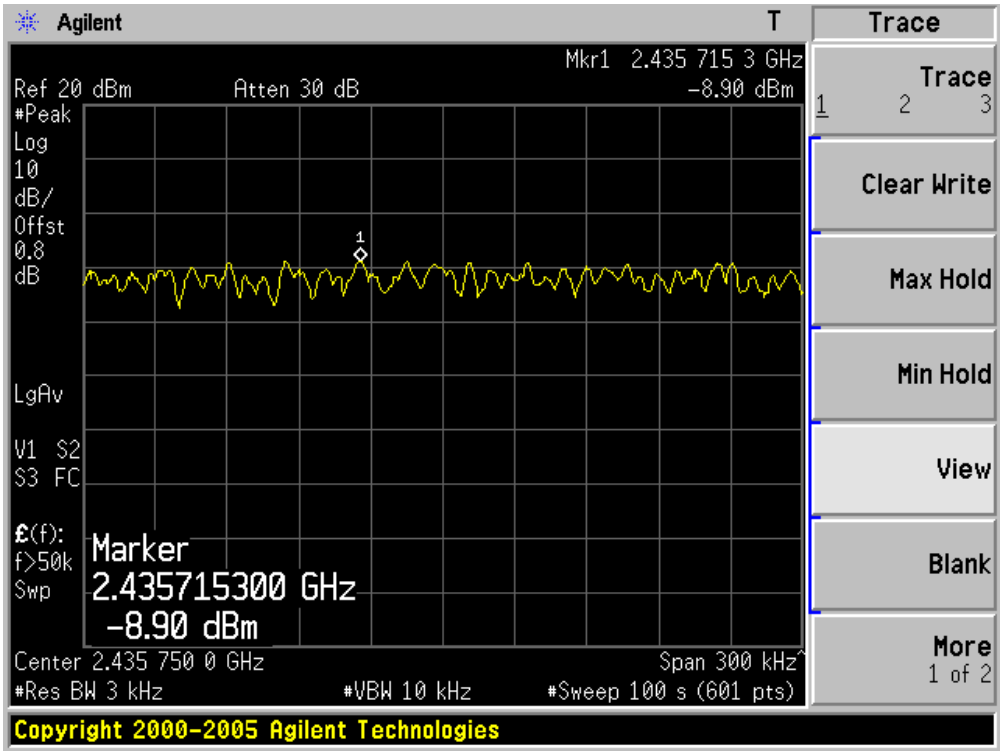
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Chain 001)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	N/A	-11.64	-11.64	8	Pass
06	2437	N/A	-8.90	-8.90	8	Pass
11	2462	N/A	-8.98	-8.98	8	Pass

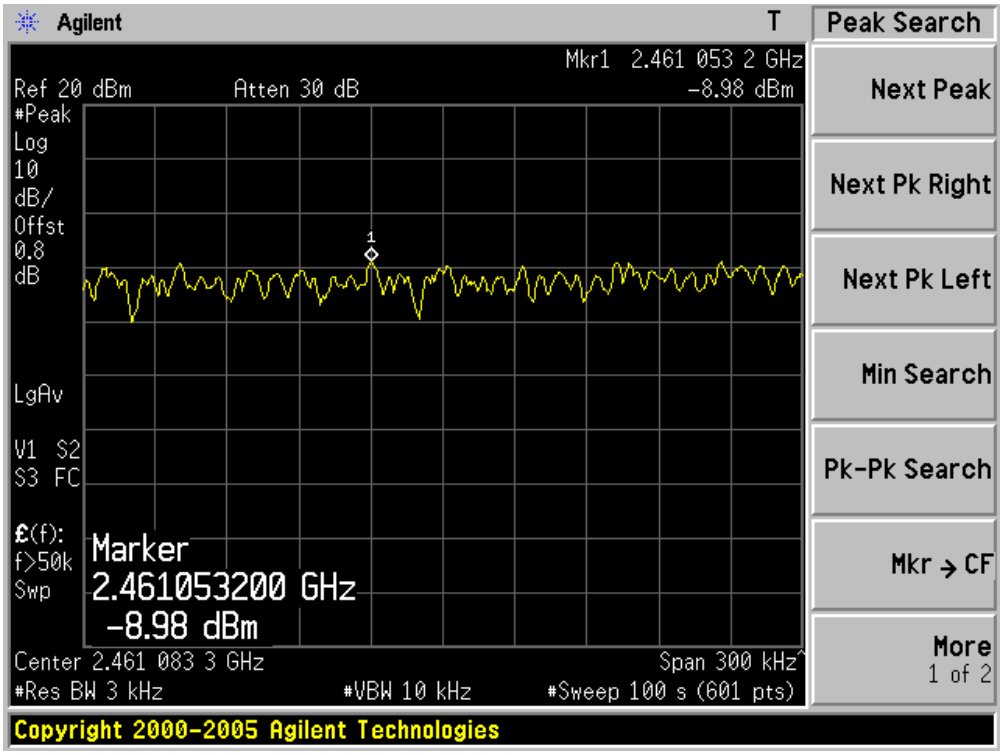
Channel 01 (2412MHz)



Channel 06 (2437MHz)



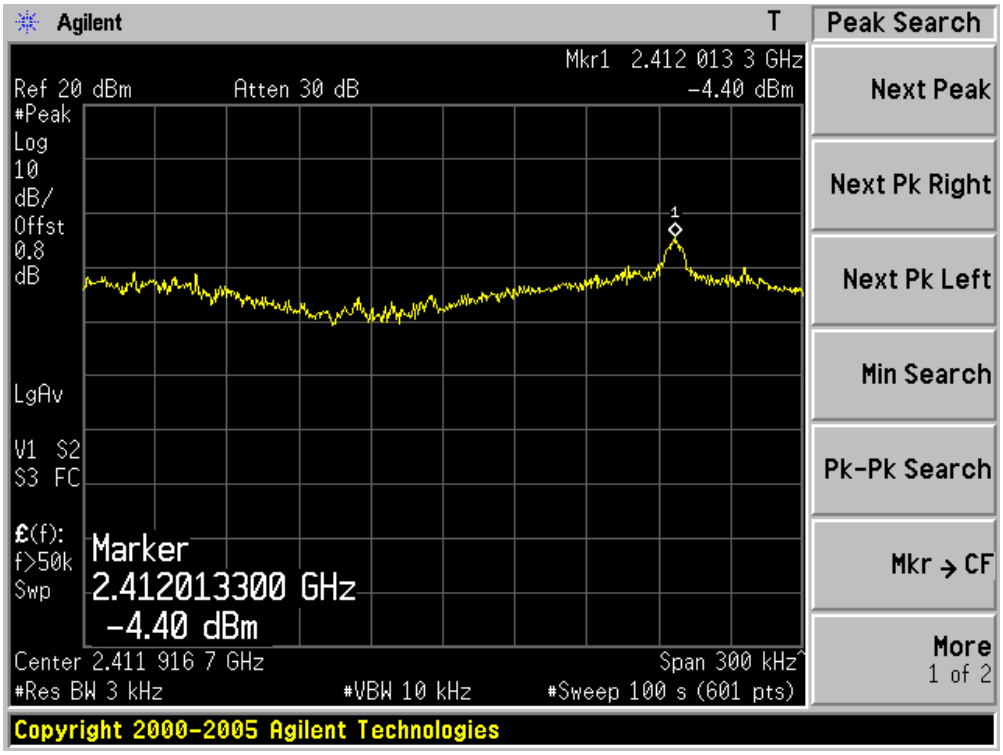
Channel 11 (2462MHz)



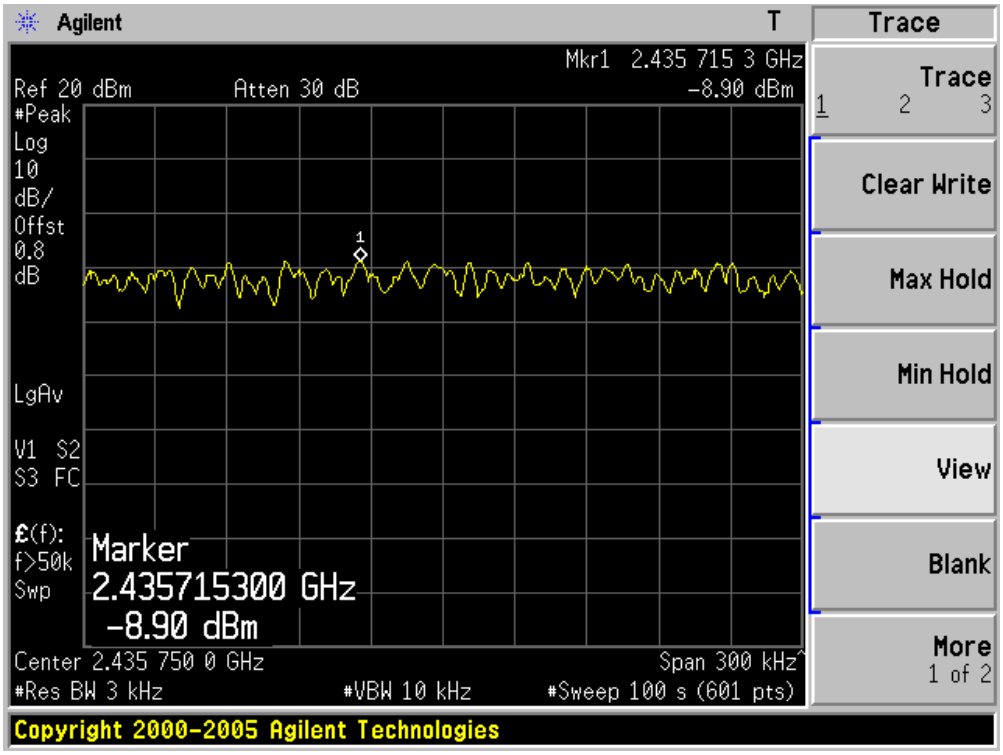
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Chain 001)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	N/A	-4.40	-4.40	8	Pass
06	2437	N/A	-7.41	-7.41	8	Pass
11	2462	N/A	-10.21	-10.21	8	Pass

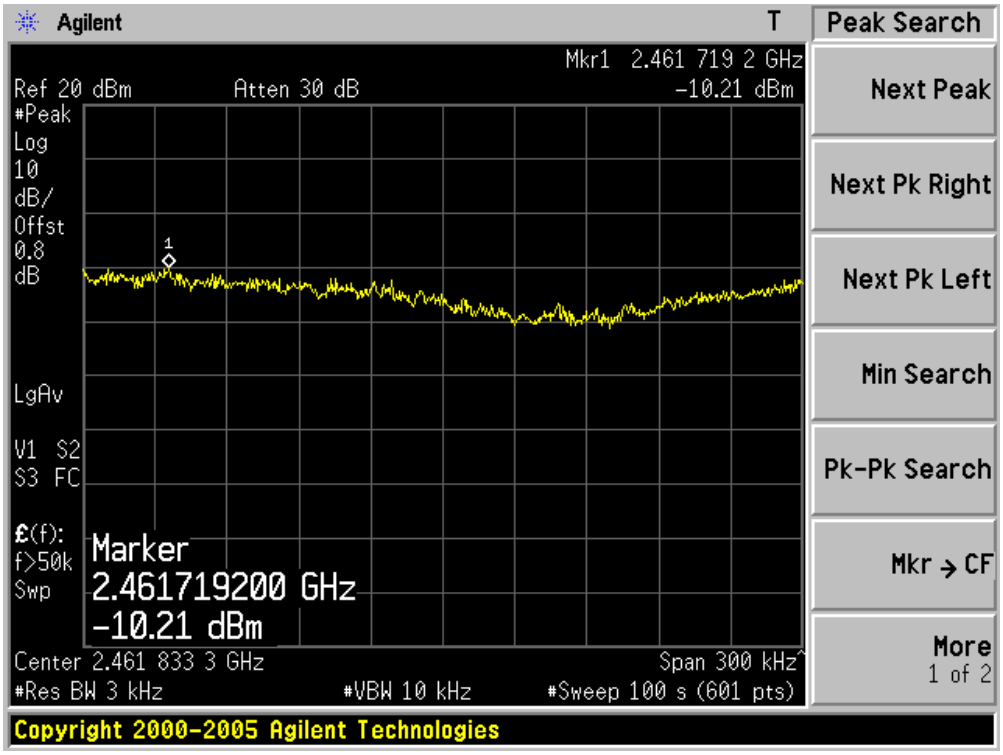
Channel 01 (2412MHz)



Channel 06 (2437MHz)



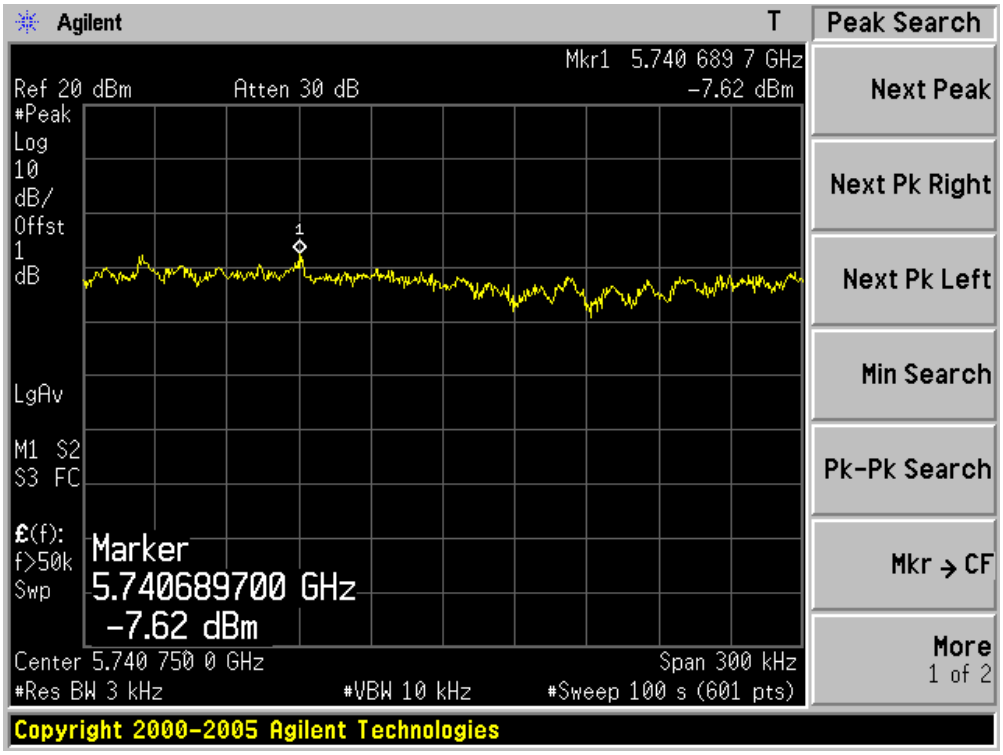
Channel 11 (2462MHz)



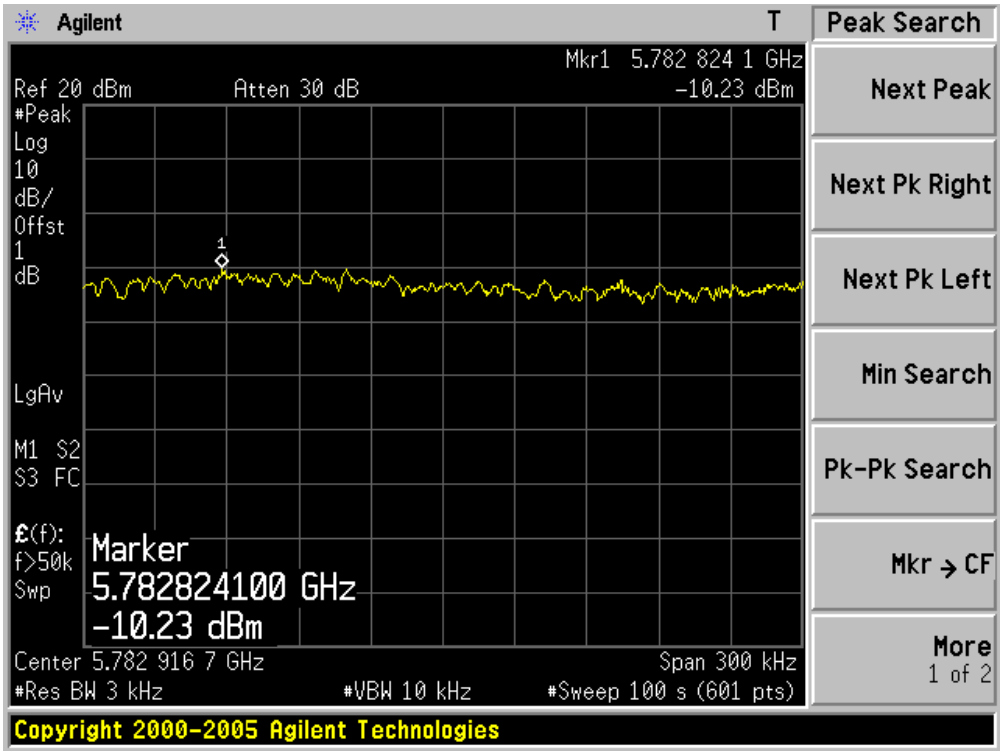
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11a (Chain 001)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
149	5745	N/A	-7.62	-7.62	8	Pass
157	5785	N/A	-10.23	-10.23	8	Pass
165	5825	N/A	-8.80	-8.80	8	Pass

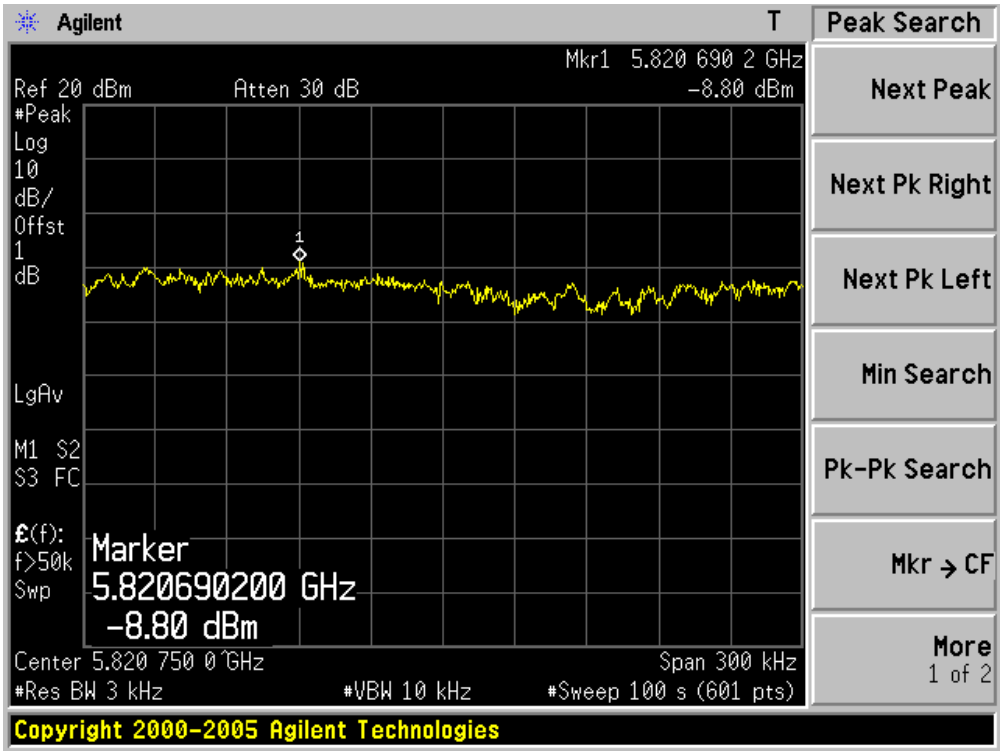
Channel 149 (5745MHz)



Channel 157 (5785MHz)



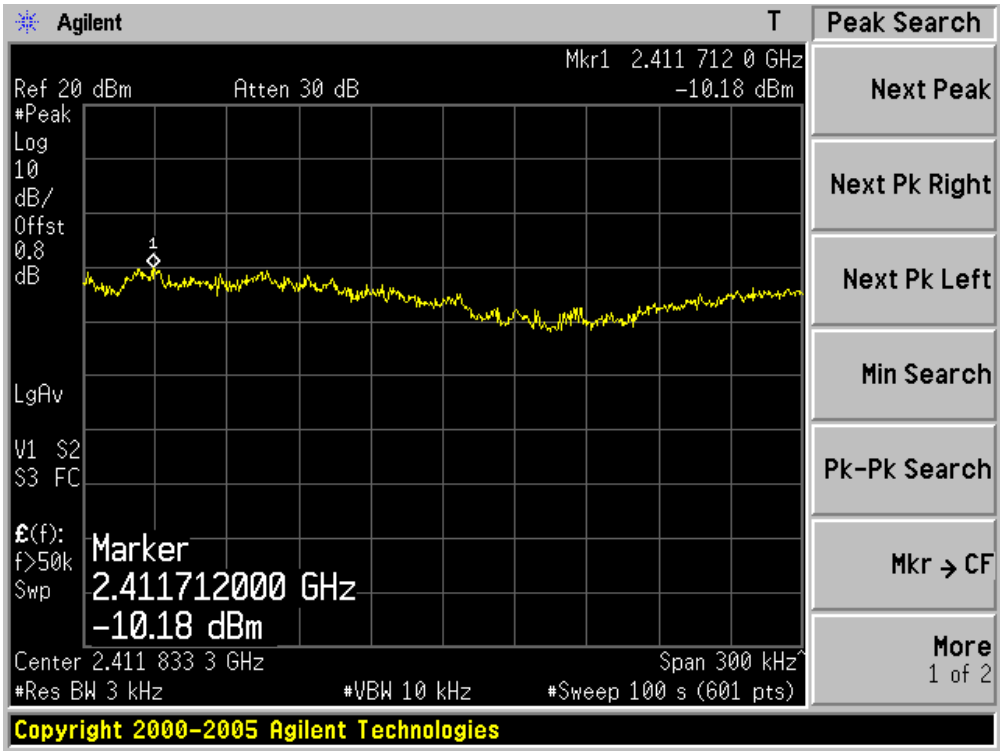
Channel 165 (5825MHz)



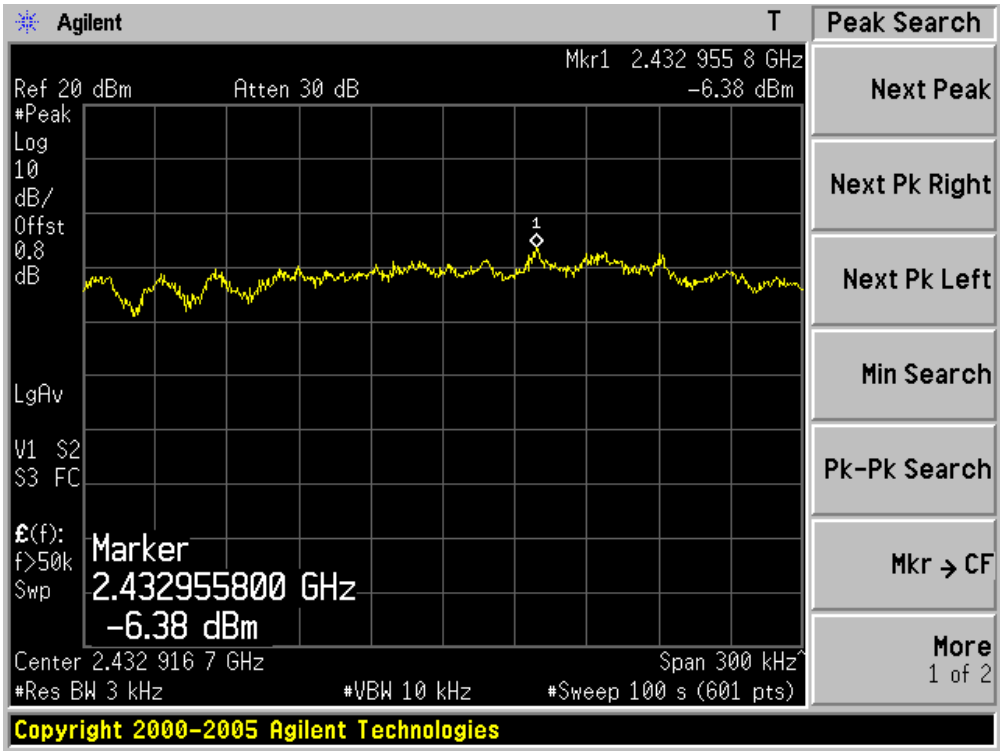
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 001)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	N/A	-10.18	-10.18	8	Pass
06	2437	N/A	-6.38	-6.38	8	Pass
11	2462	N/A	-6.54	-6.54	8	Pass
149	5745	N/A	-8.80	-8.80	8	Pass
157	5785	N/A	-7.86	-7.86	8	Pass
165	5825	N/A	-9.63	-9.63	8	Pass

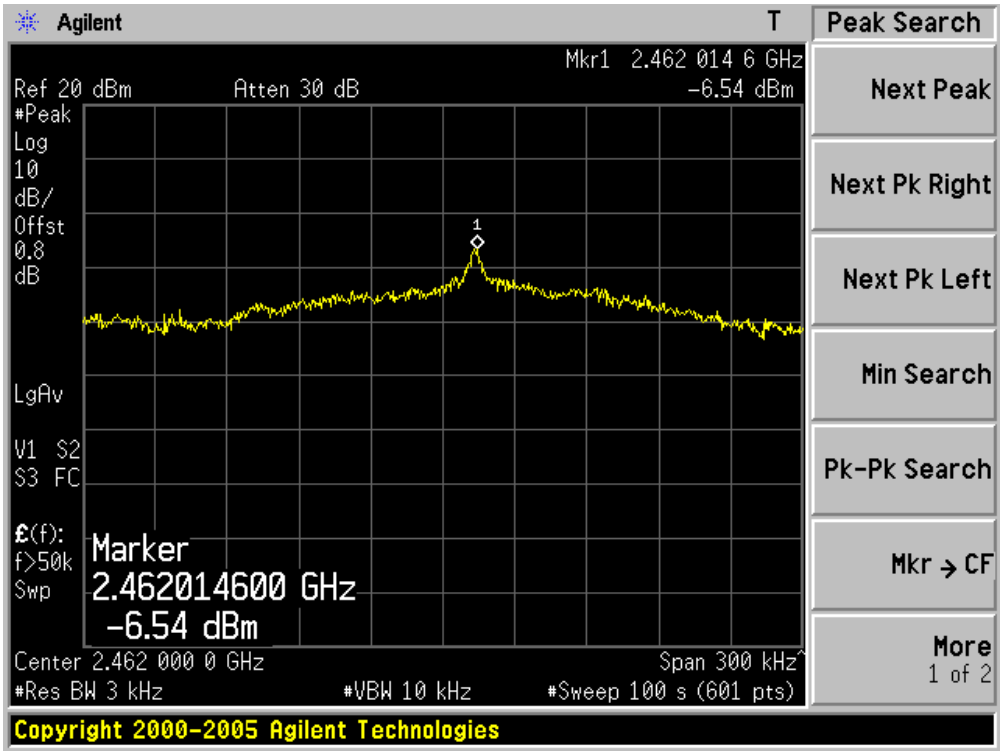
Channel 01 (2412MHz)



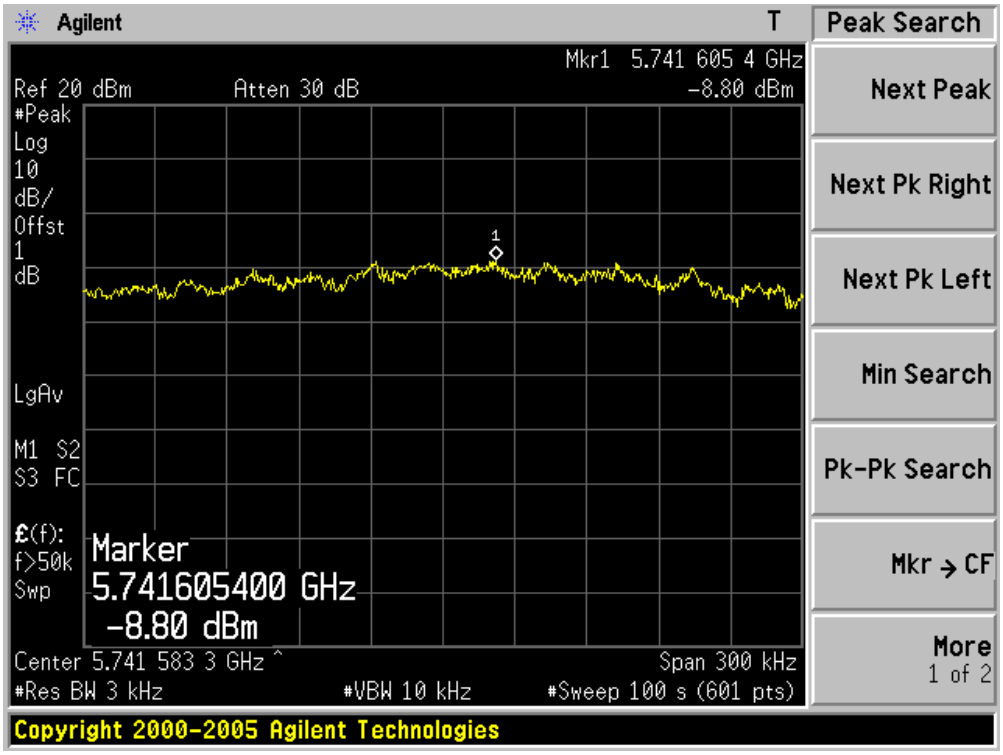
Channel 06 (2437MHz)



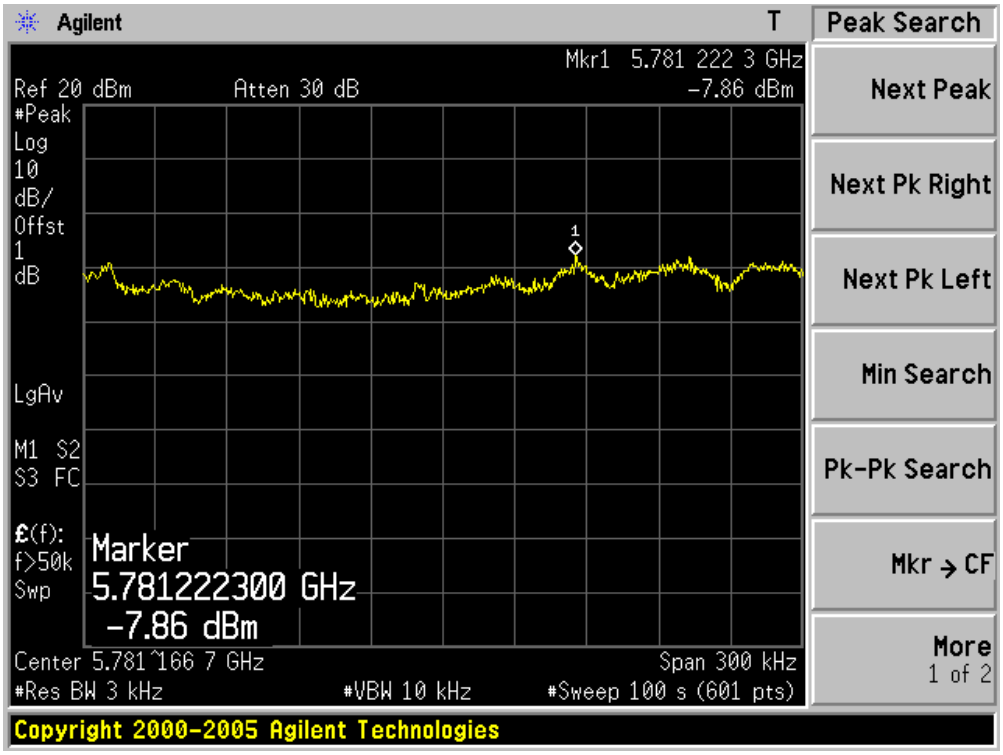
Channel 11 (2462MHz)



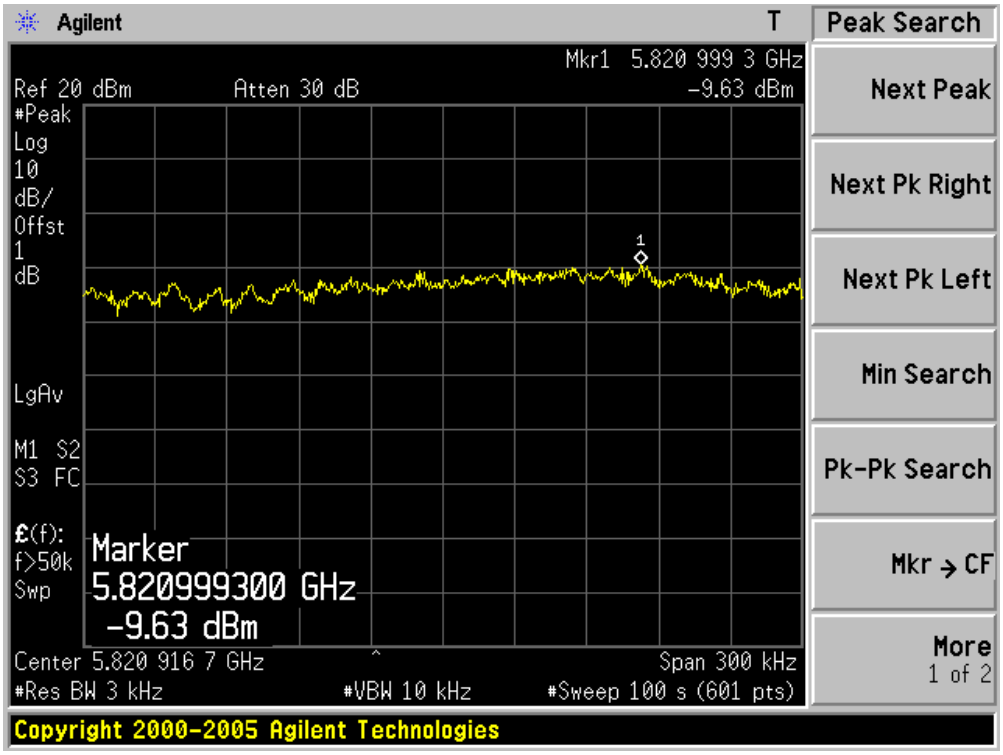
Channel 149 (5745MHz)



Channel 157 (5785MHz)



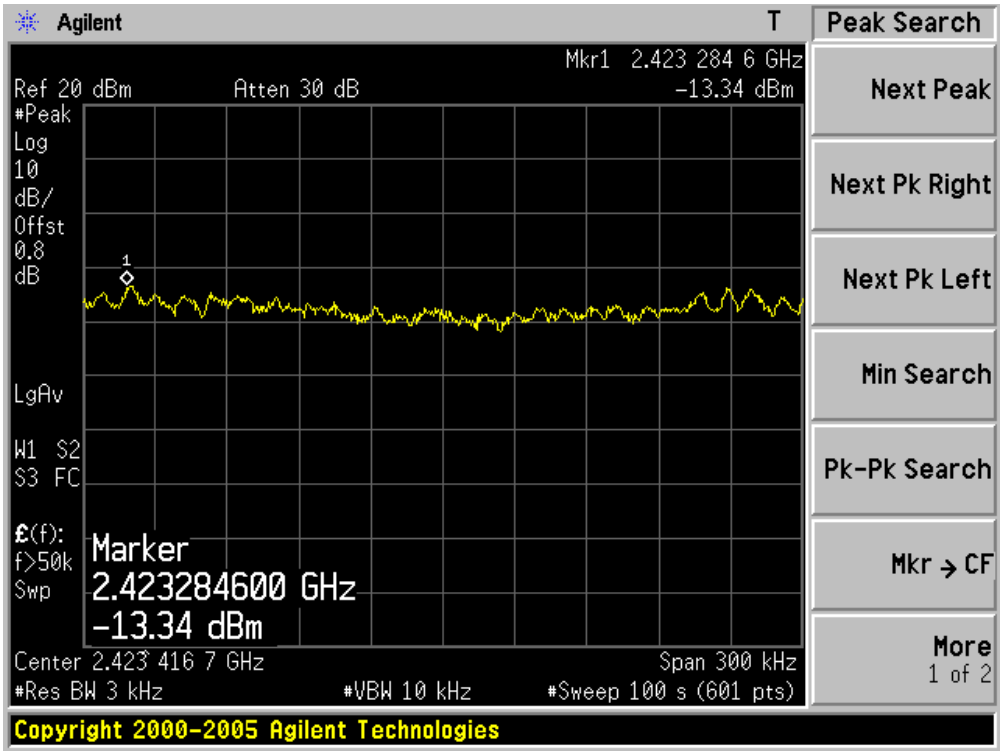
Channel 165 (5825MHz)



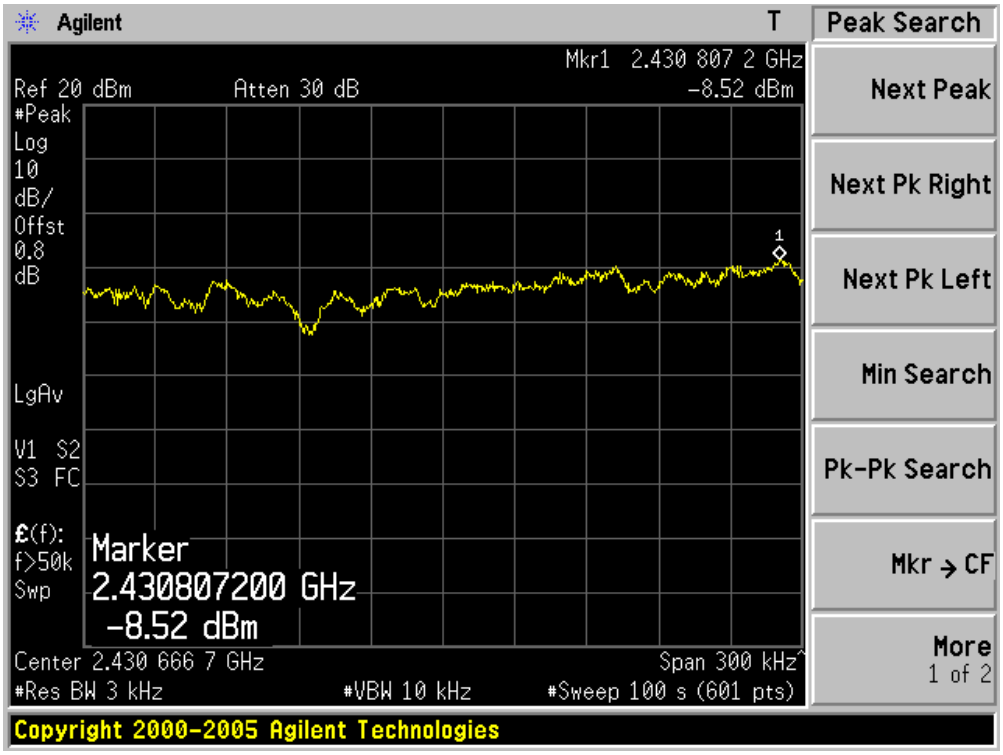
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 001)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
03	2422	N/A	-13.34	-13.34	8	Pass
06	2437	N/A	-8.52	-8.52	8	Pass
09	2452	N/A	-10.80	-10.80	8	Pass
151	5755	N/A	-11.64	-11.64	8	Pass
159	5795	N/A	-12.55	-12.55	8	Pass

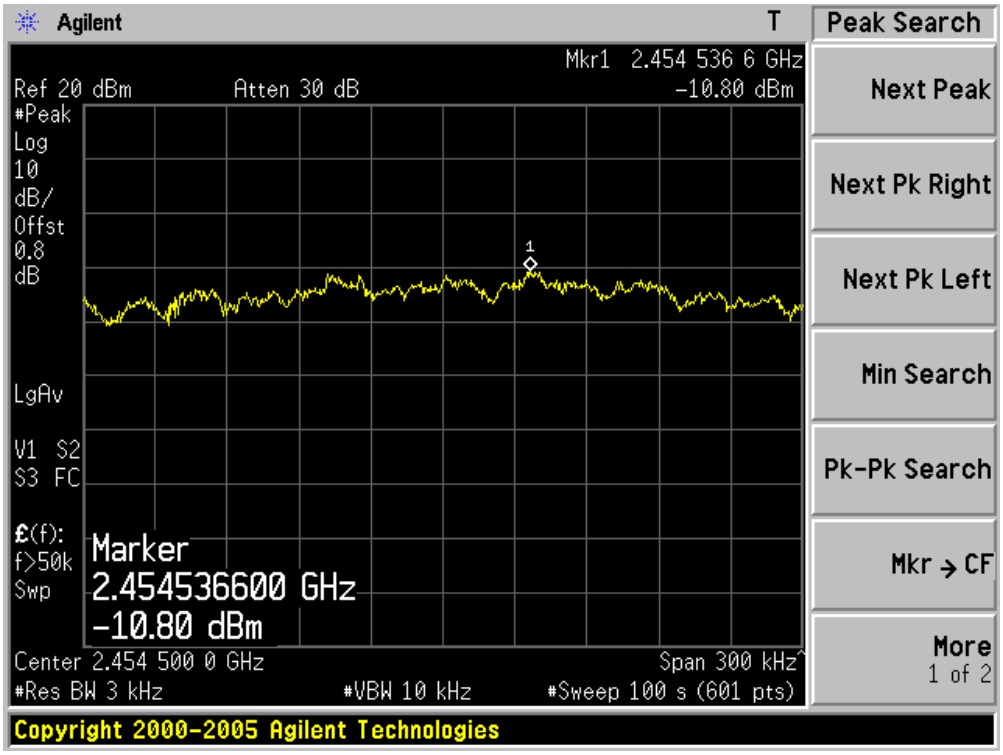
Channel 03 (2422MHz)



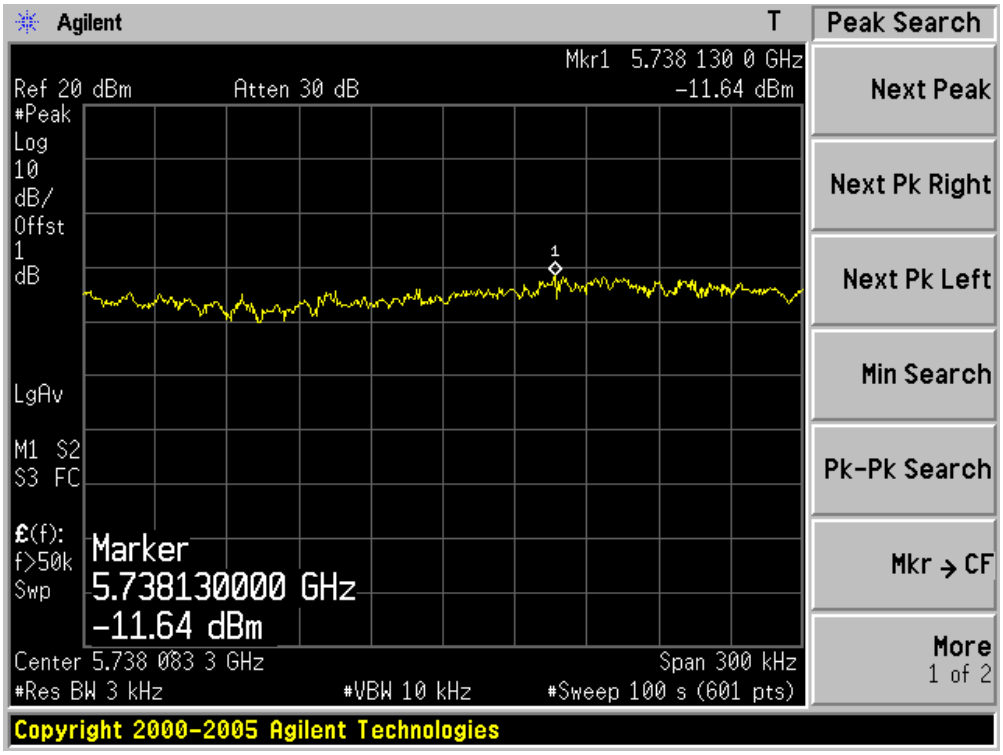
Channel 06 (2437MHz)



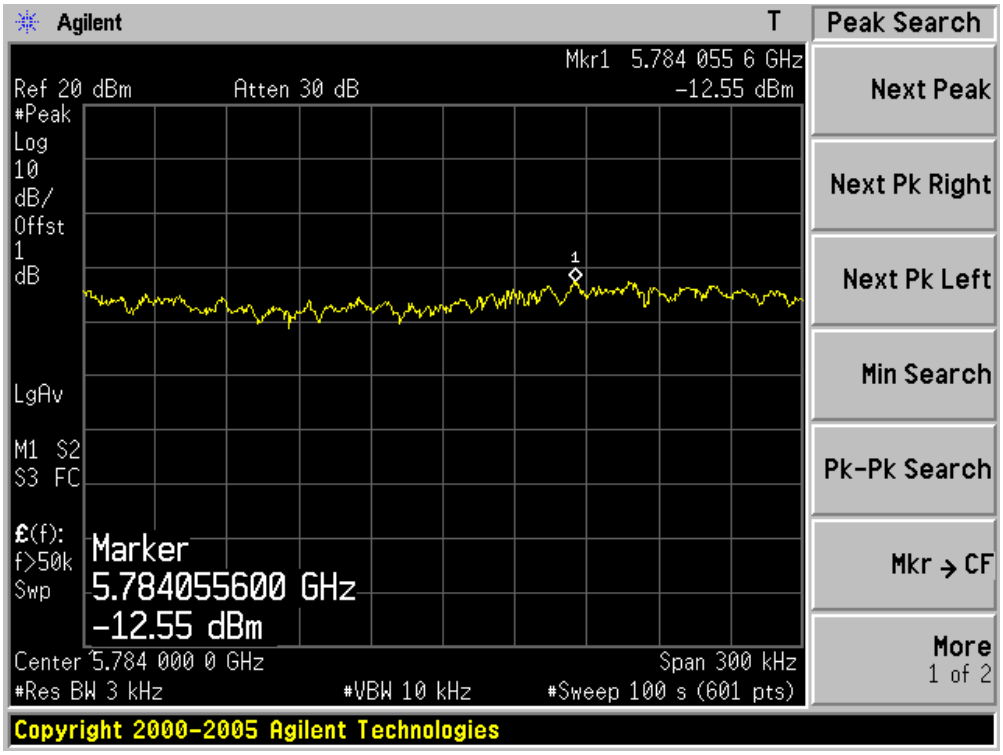
Channel 09 (2452MHz)



Channel 151 (5755MHz)



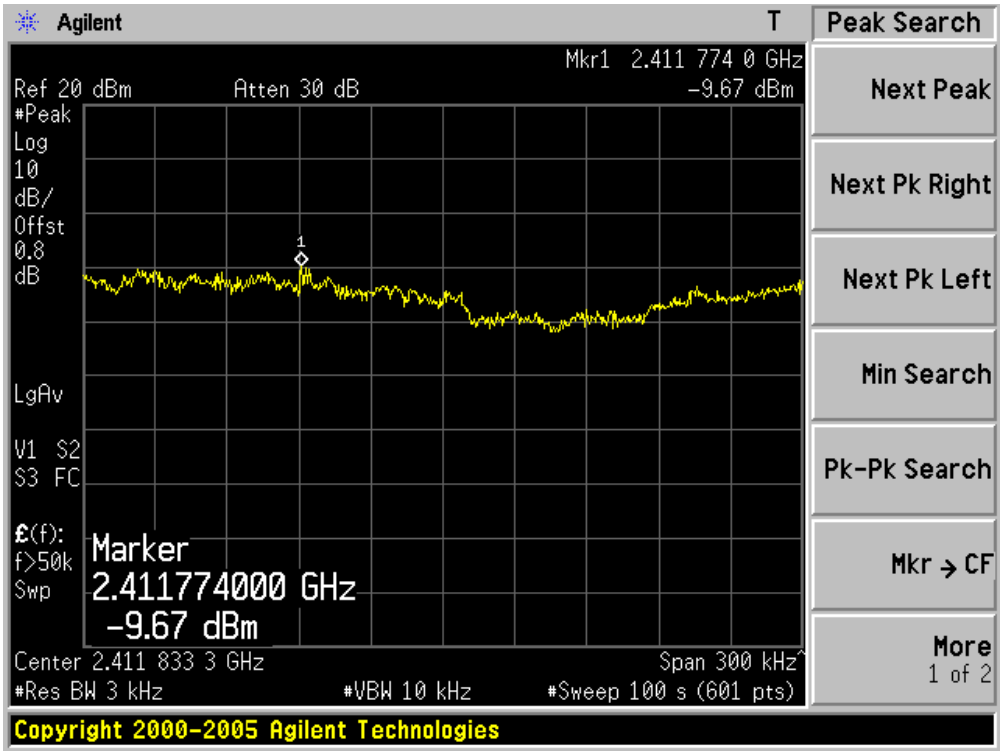
Channel 159 (5795MHz)



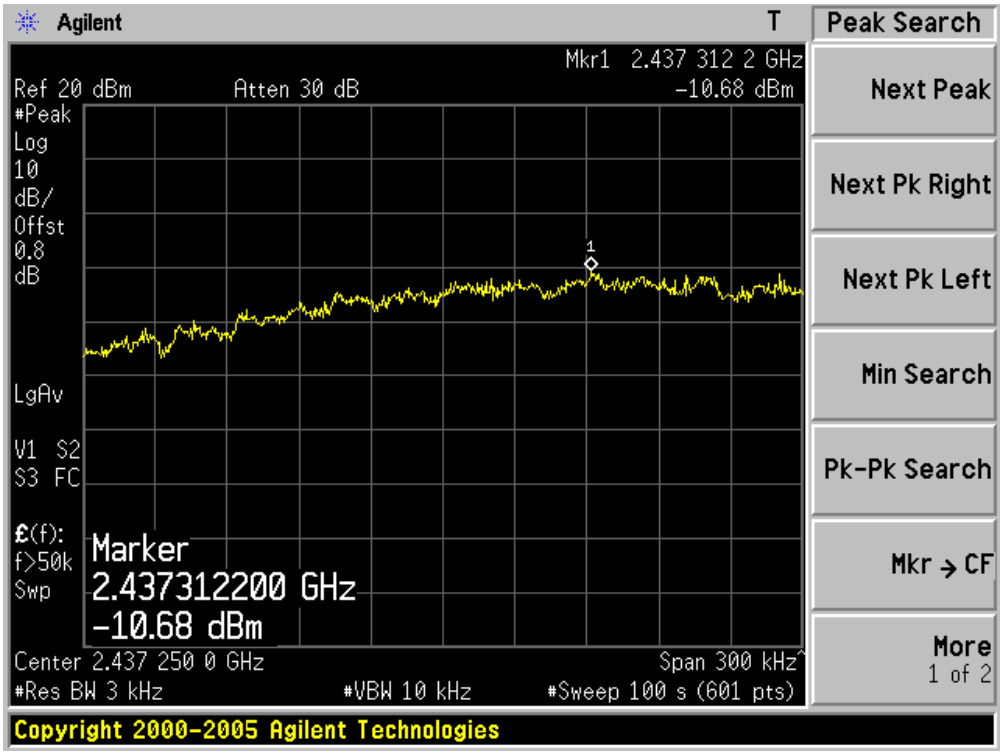
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n (20MHz) (Chain 101)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
01	2412	-9.67	-9.69	-6.67	8	Pass
06	2437	-10.68	-6.74	-5.27	8	Pass
11	2462	-11.56	-10.60	-8.04	8	Pass
149	5745	-13.79	-7.19	-6.33	8	Pass
157	5785	-10.15	-9.25	-6.67	8	Pass
165	5825	-12.49	-7.59	-6.37	8	Pass

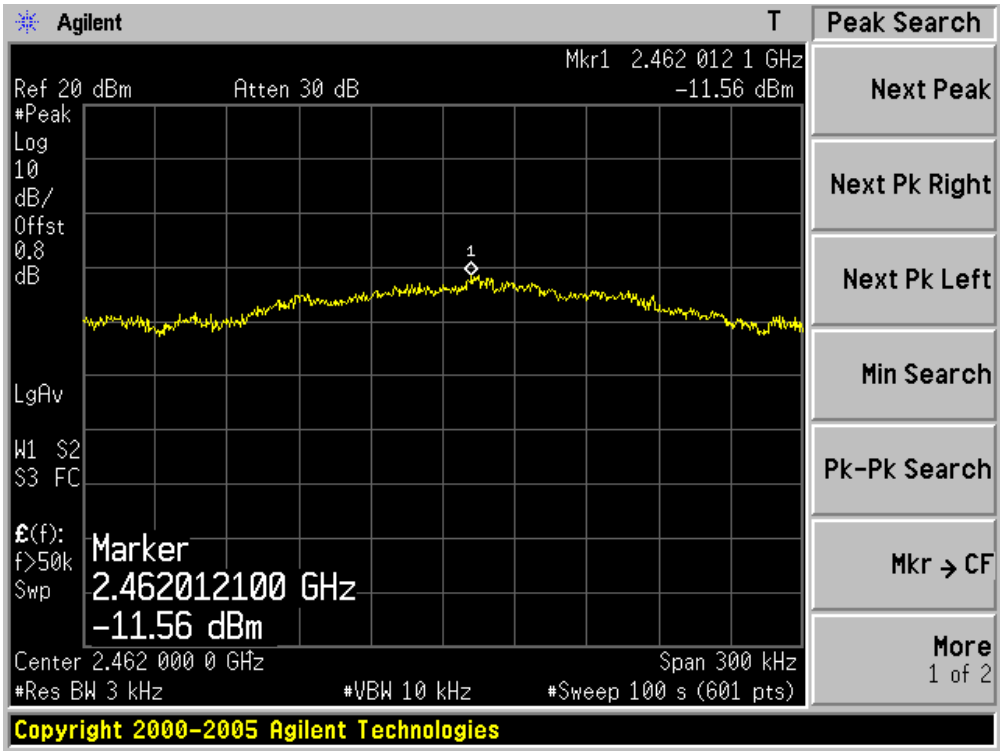
Channel 01 (2412MHz) – Chain 100



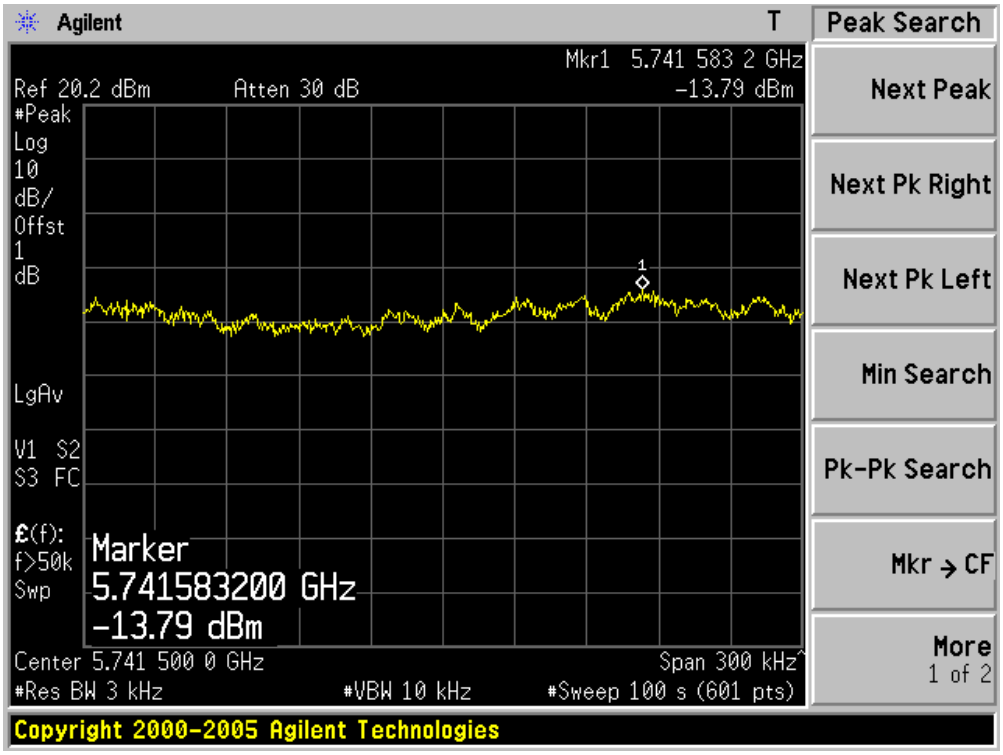
Channel 06 (2437MHz) – Chain 100



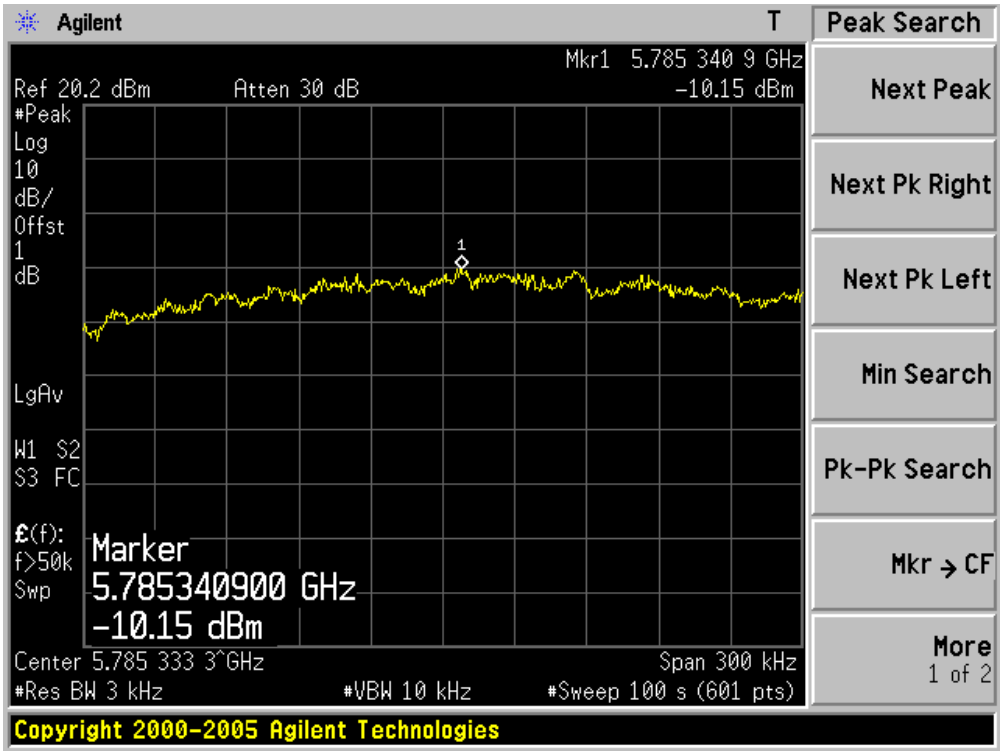
Channel 11 (2462MHz) – Chain 100



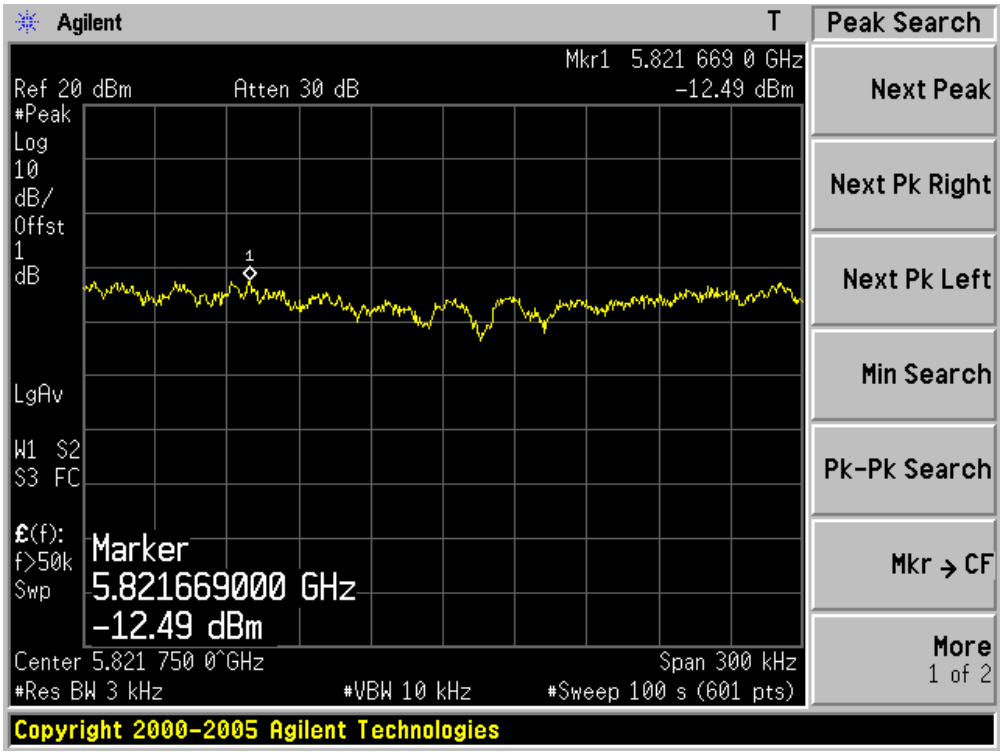
Channel 149 (5745MHz) – Chain 100



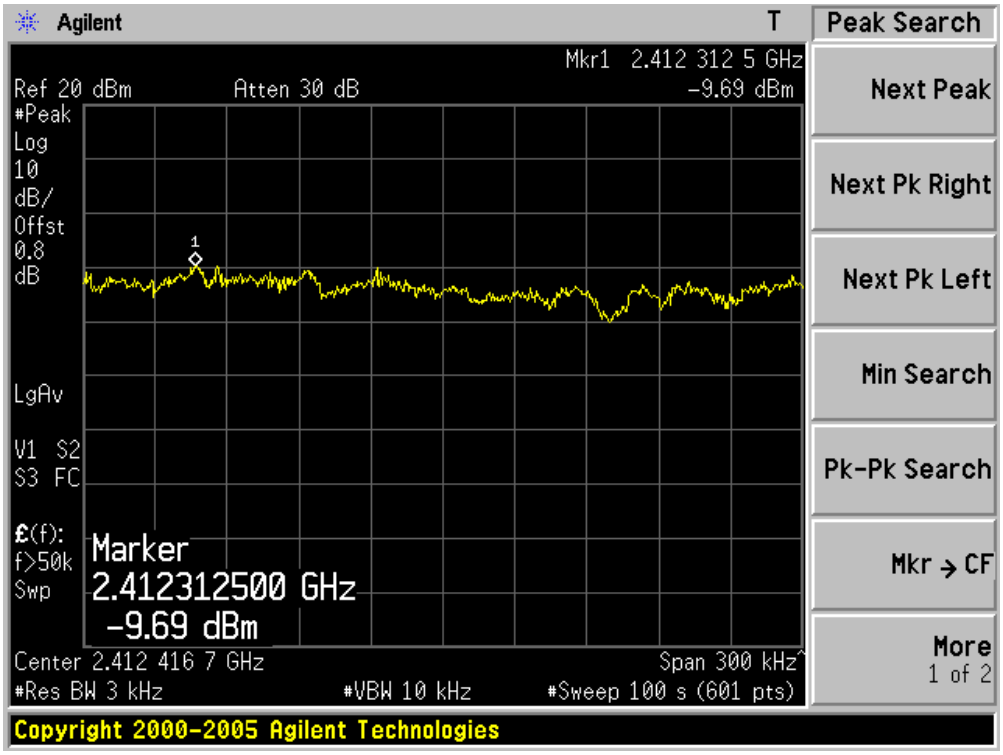
Channel 157 (5785MHz) – Chain 100



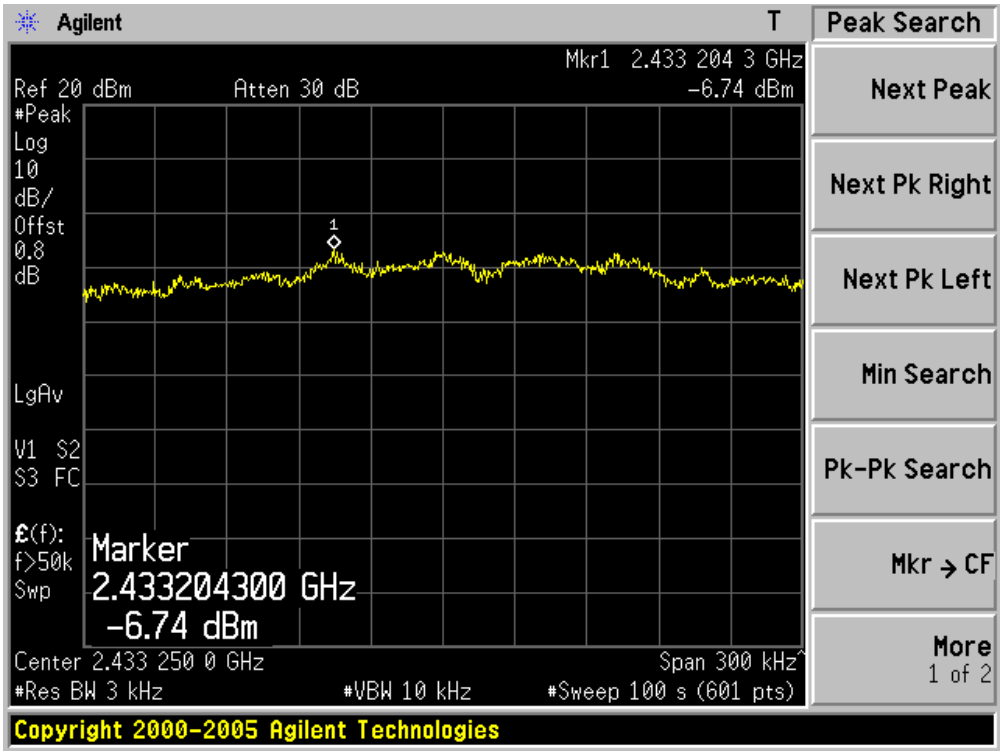
Channel 165 (5825MHz) – Chain 100



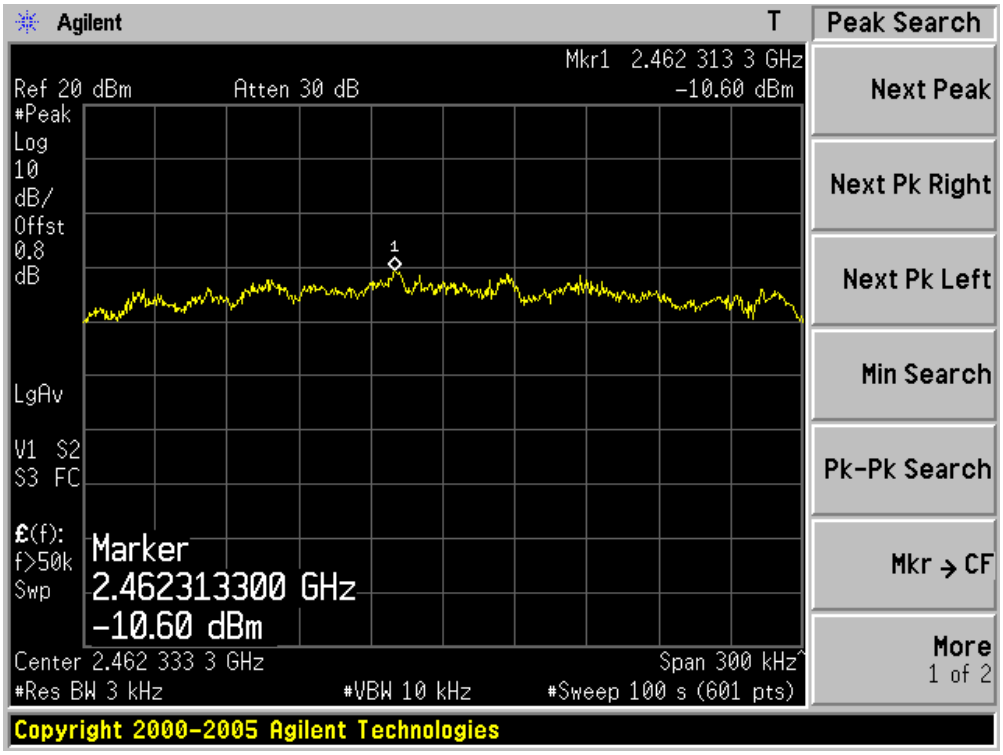
Channel 01 (2412MHz) – Chain 001



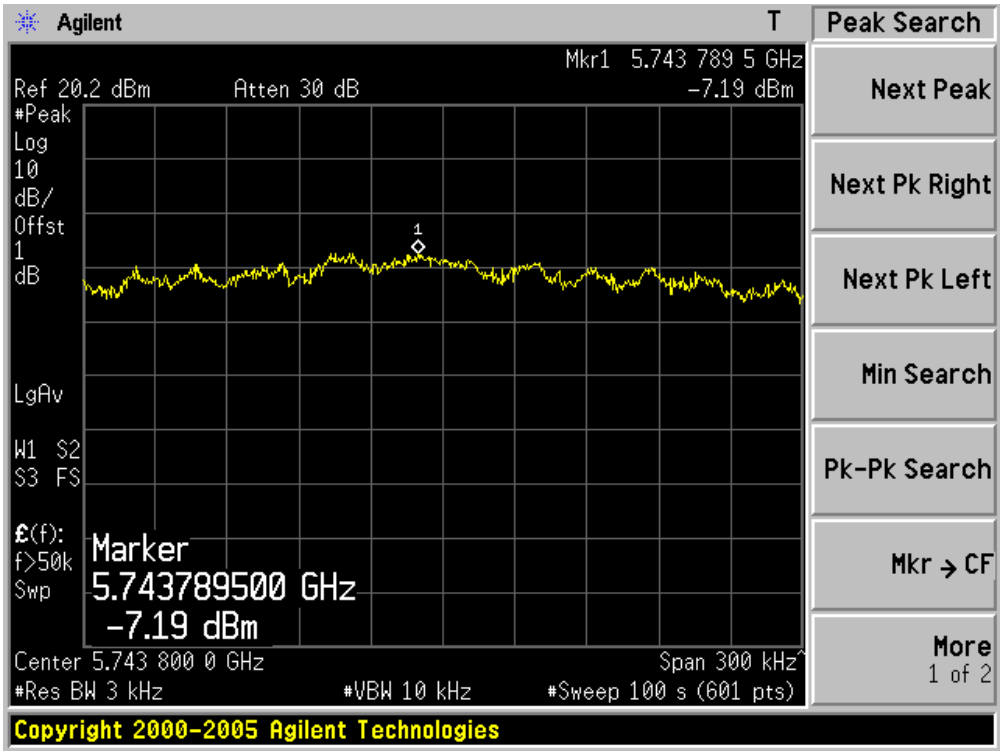
Channel 06 (2437MHz) – Chain 001



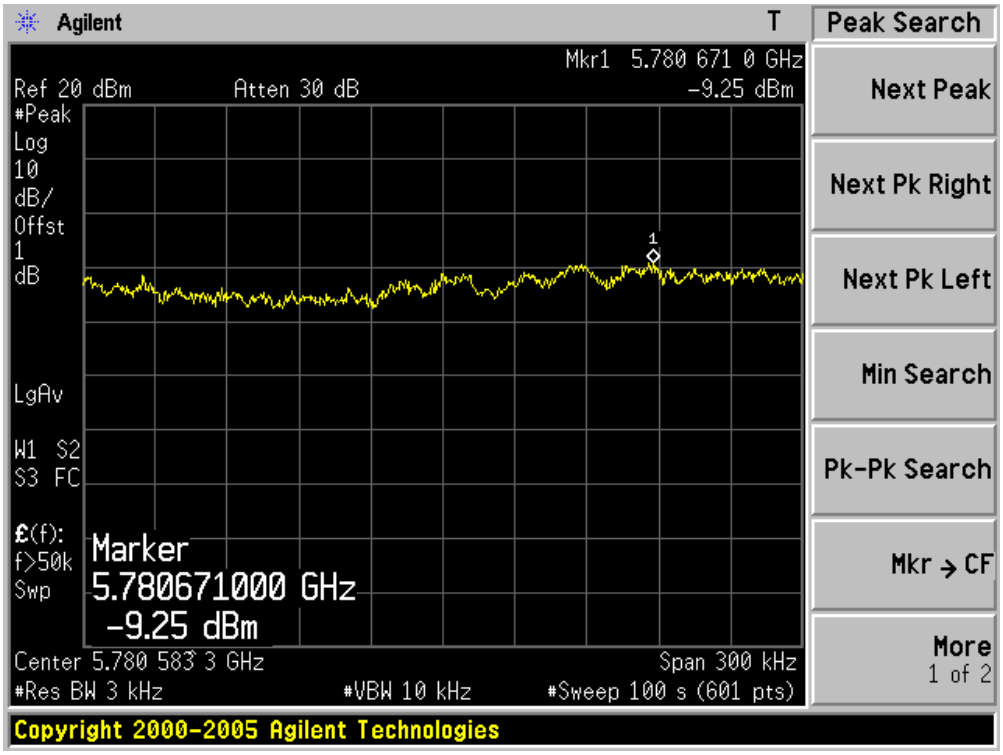
Channel 11 (2462MHz) – Chain 001



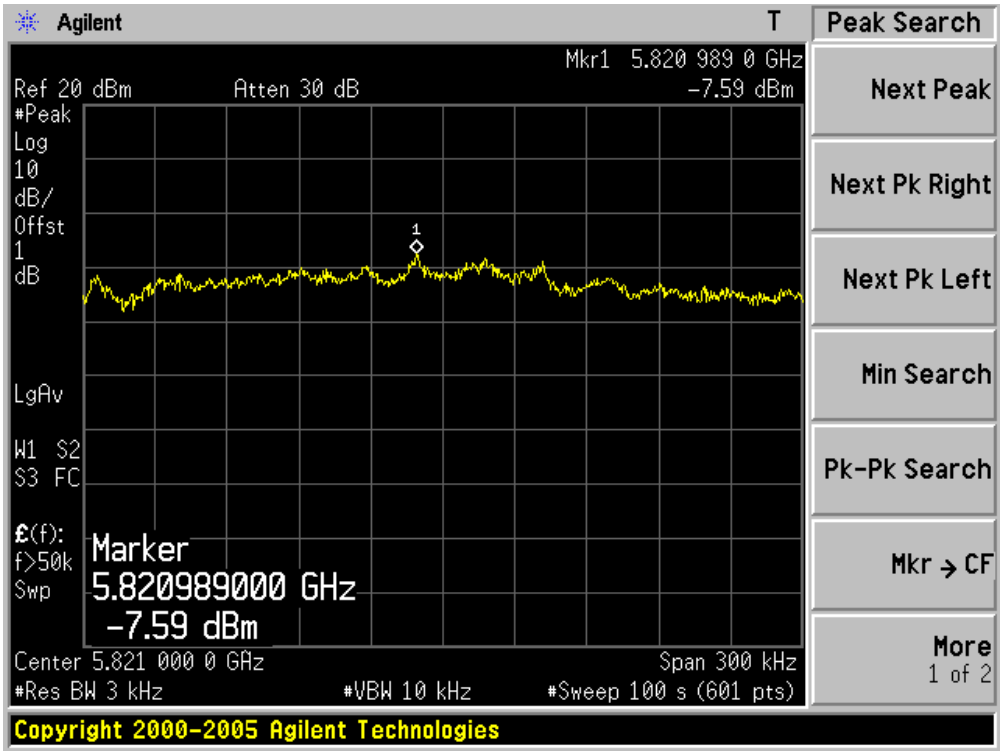
Channel 149 (5745MHz) – Chain 001



Channel 157 (5785MHz) – Chain 001



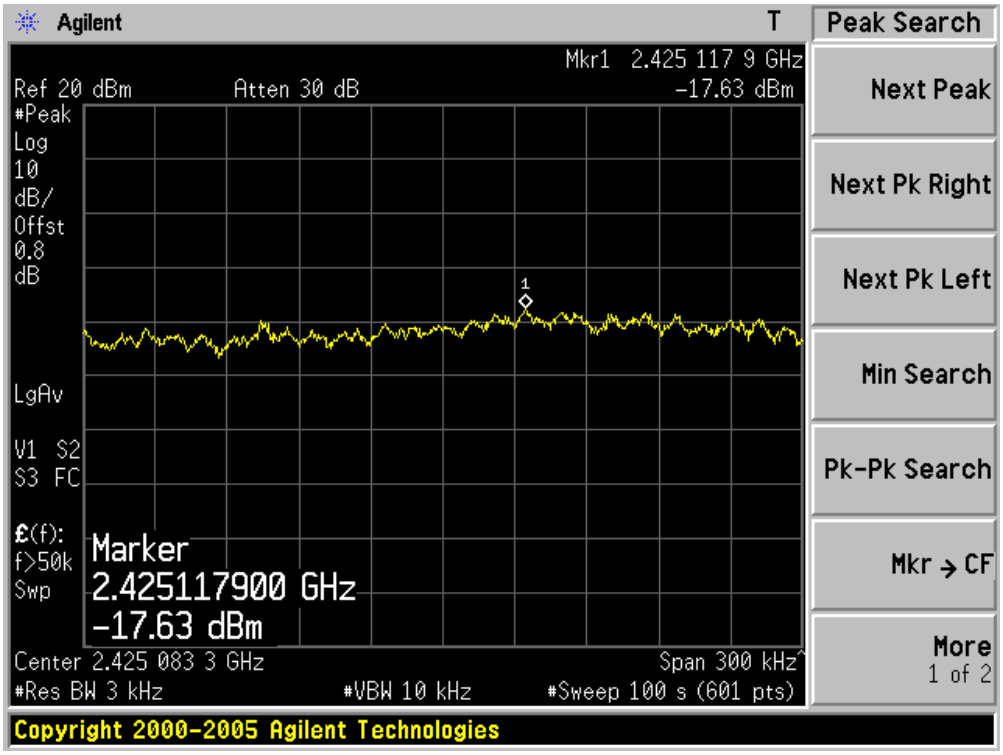
Channel 165 (5825MHz) – Chain 001



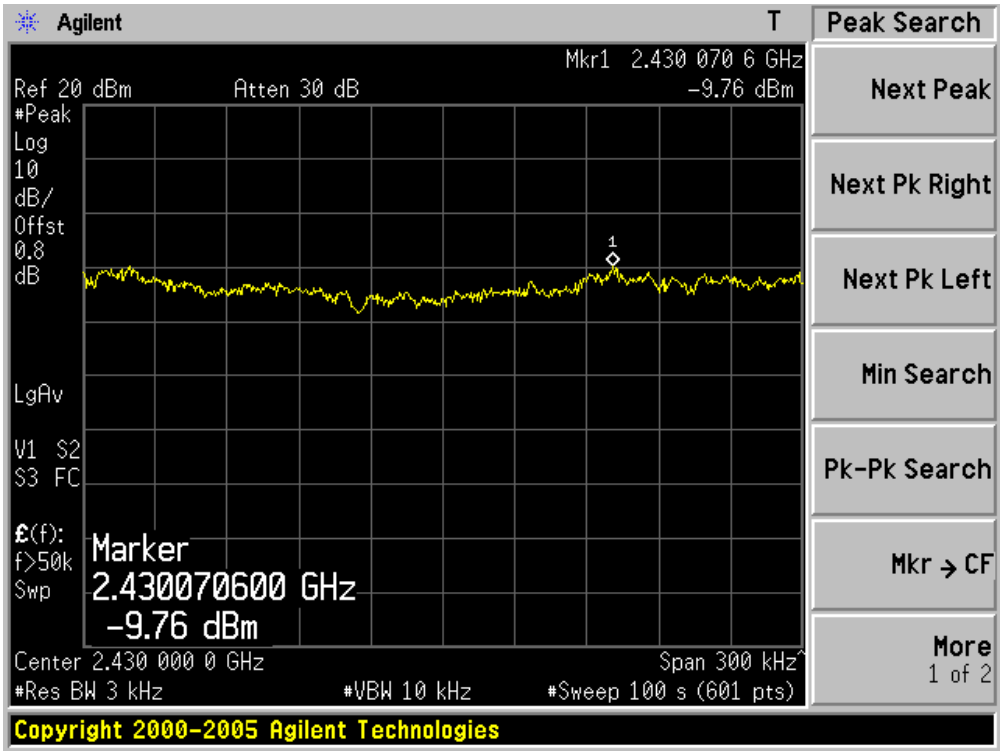
Product	:	AirPcap Nx
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11n (40MHz) (Chain 101)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Chain 100	Chain 001			
03	2422	-17.63	-16.31	-13.91	8	Pass
06	2437	-9.76	-9.52	-6.63	8	Pass
09	2452	-12.27	-10.84	-8.49	8	Pass
151	5755	-17.11	-10.60	-9.72	8	Pass
159	5795	-10.88	-11.27	-8.06	8	Pass

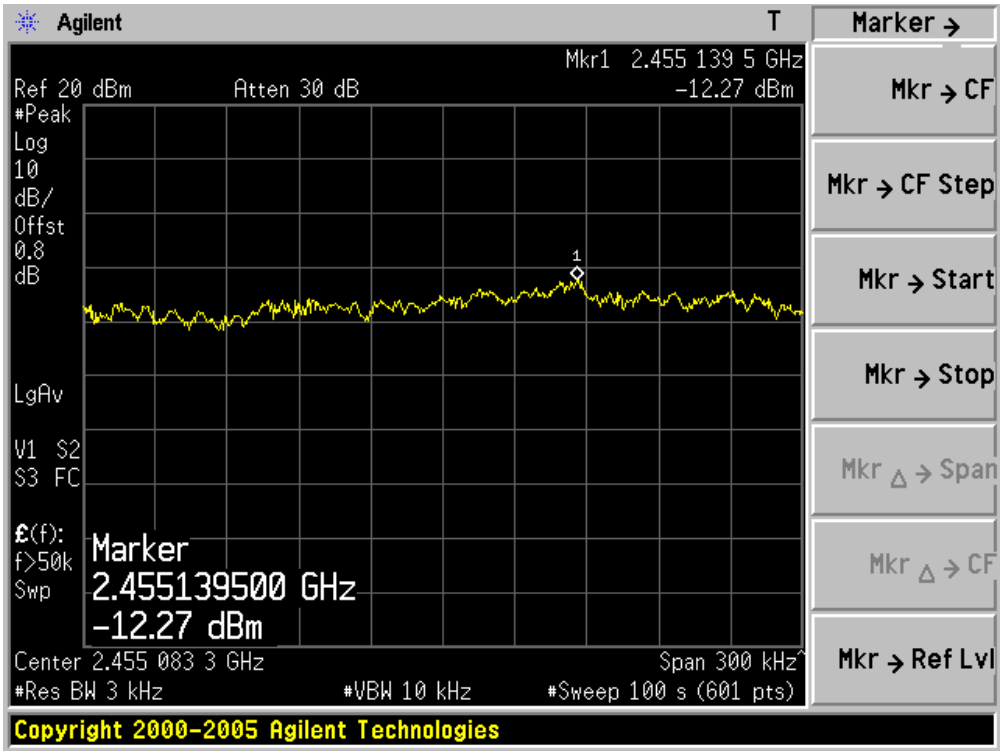
Channel 03 (2422MHz) – Chain 100



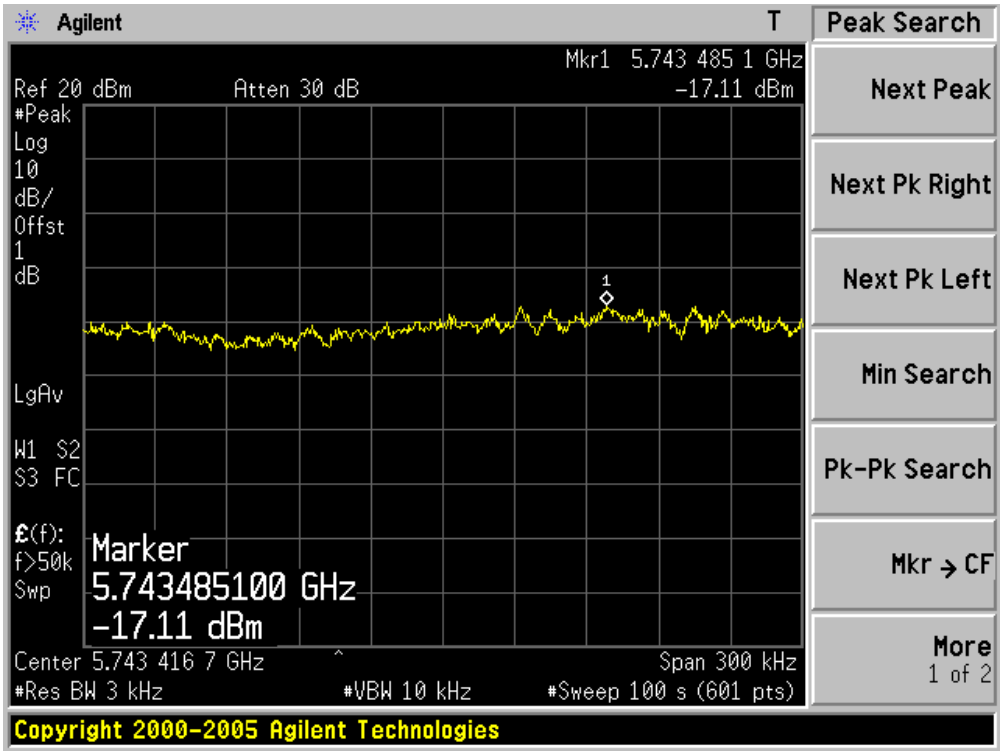
Channel 06 (2437MHz) – Chain 100



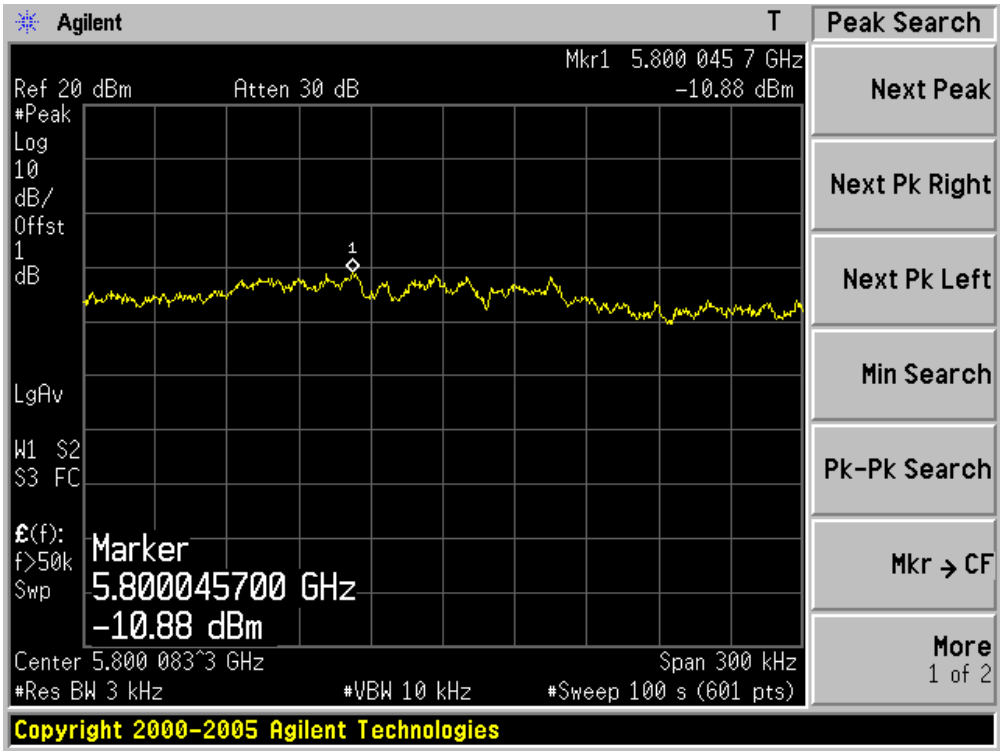
Channel 09 (2452MHz) – Chain 100



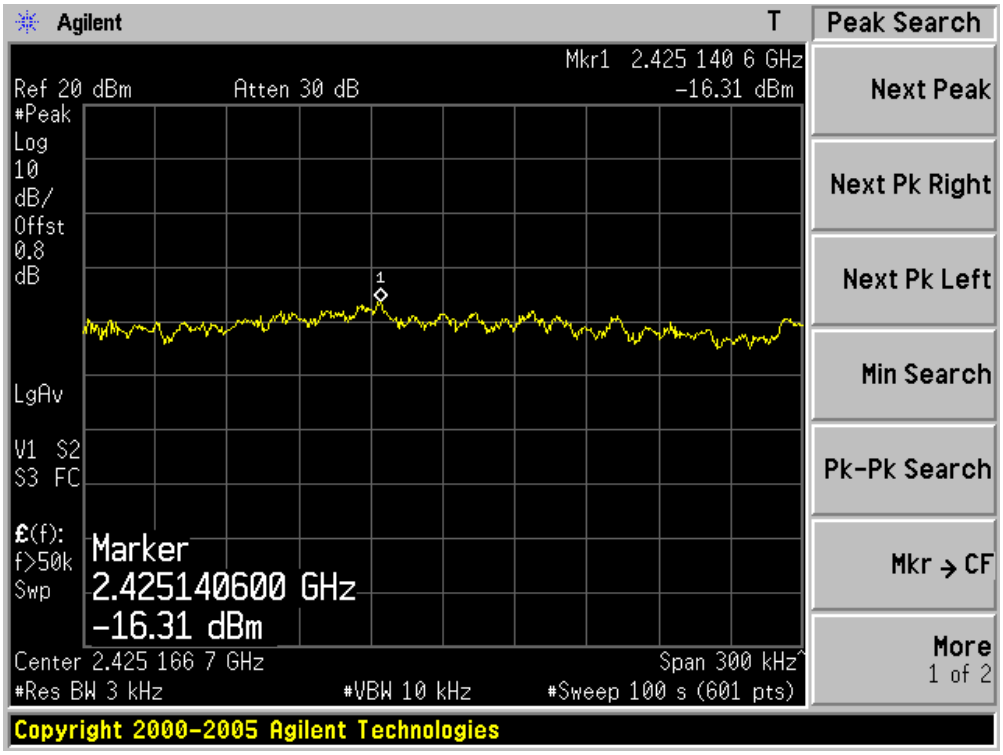
Channel 151 (5755MHz) – Chain 100



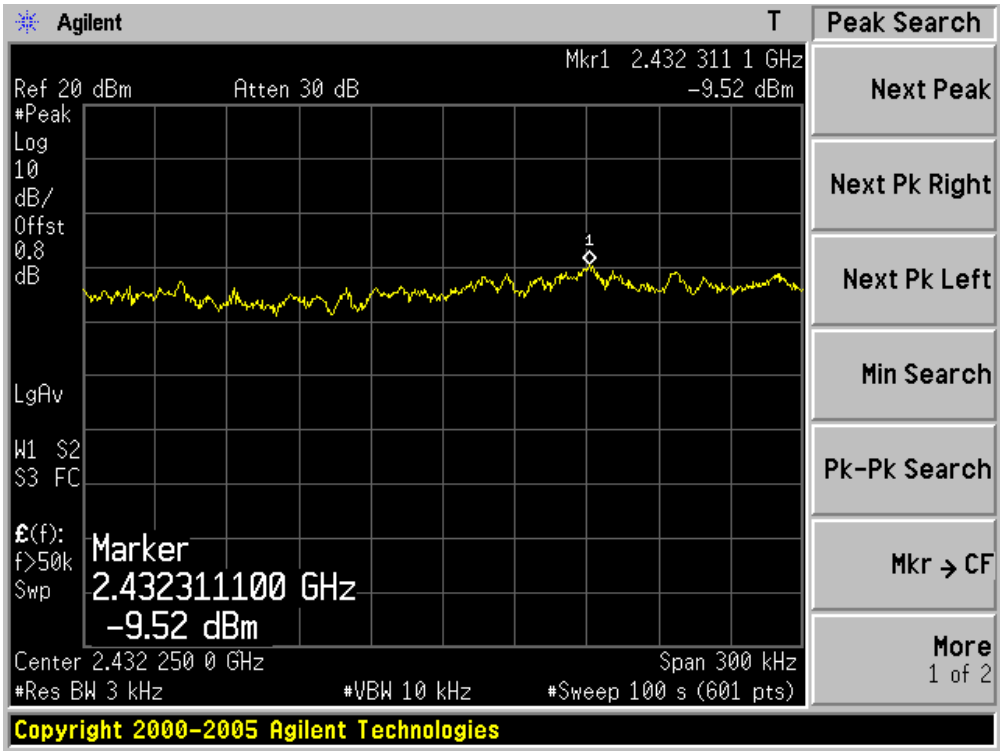
Channel 159 (5795MHz) – Chain 100



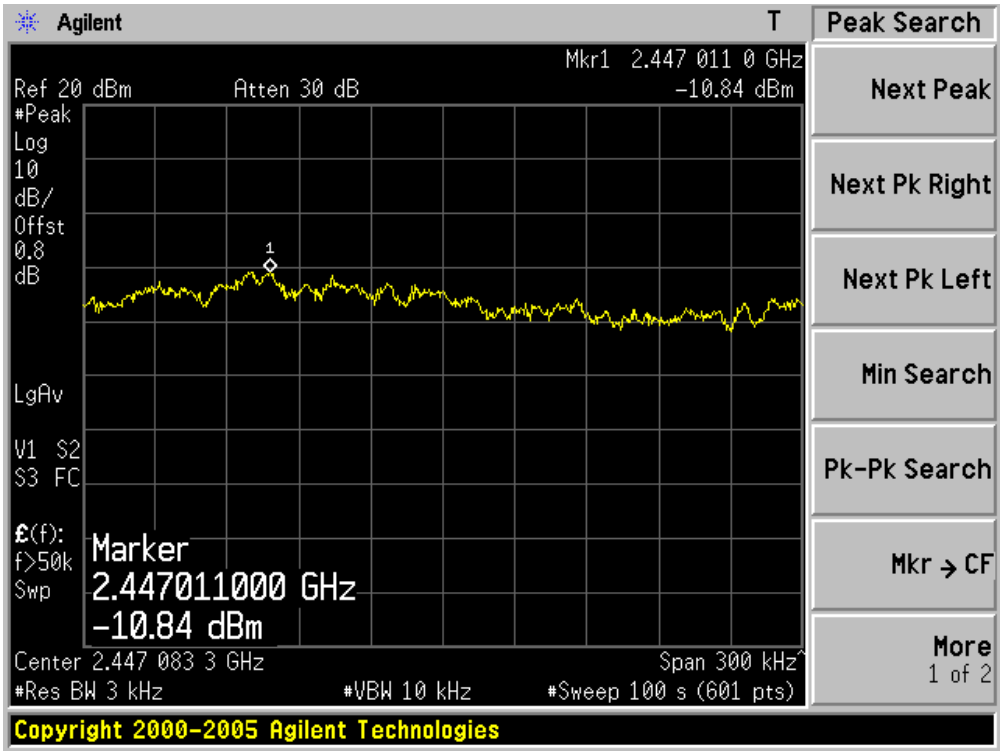
Channel 03 (2422MHz) – Chain 001



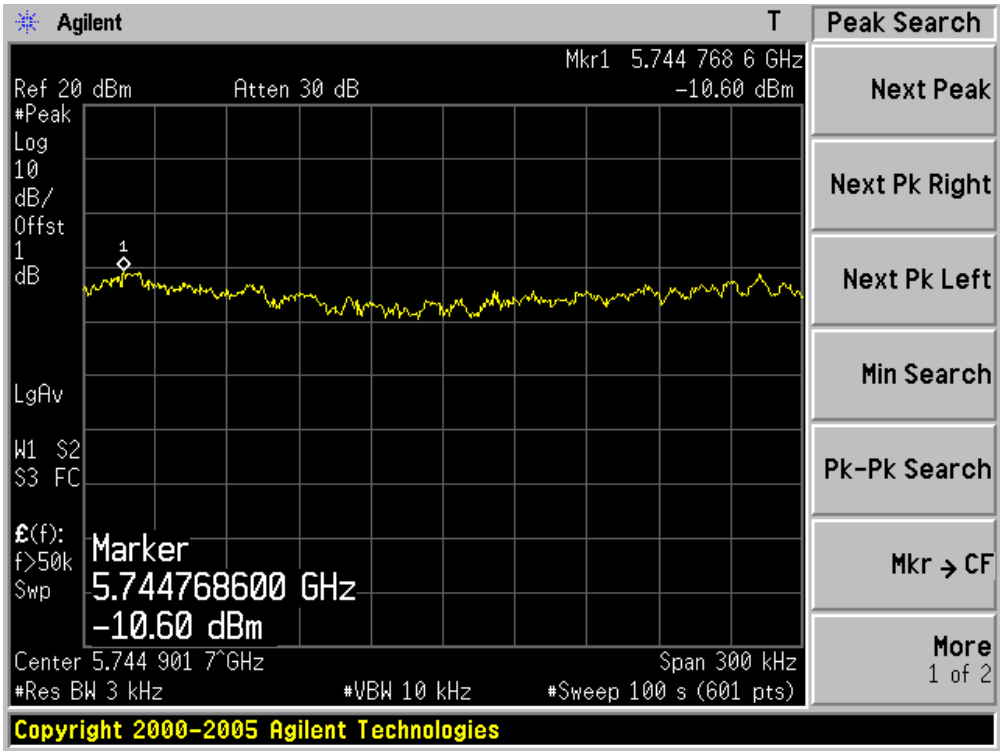
Channel 06 (2437MHz) – Chain 001



Channel 09 (2452MHz) – Chain 001



Channel 151 (5755MHz) – Chain 001



Channel 159 (5795MHz) – Chain 001