FCC Part15.407 Test Report

Product Name	:	Eee PC
Model No.	:	Eee PC 1015P, Eee PC 1015PE, Eee PC 1015PEG, Eee PC 1015PGO, Eee PC 1016P, Eee PC 1016PG, Eee PC 1016PGO, Eee PC 1015PED, Eee PC1015PD, Eee PC 1015PDG
FCC ID	:	MSQ16P622AN

Applicant	:	ASUSTEK COMPUTER INC.
Address	:	4FL.,NO.150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C

Date of Receipt	:	Sep. 09, 2010
Test Date	:	Sep. 09, 2010 ~ Sep. 17, 2010
Issued Date	:	Sep. 17, 2010
Report No.	:	109S008R-RF-US-P09V01
Report Version	:	V1.0

Test Report Certification

Issued Date : Sep. 17, 2010
Report No. : 109S008R-RF-US-P09V01

QuieTek

Product Name	:	ASUSTEK COMPUTER INC.
Applicant	:	4FL.,NO.150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C
Address	:	PROTEK (SHANGHAI) LTD
Manufacturer	:	NO.3768 Xiu Yan Rd.Kang Qiao Town, PuDong Dist, Shang Hai
Address	:	Eee PC 1015P, Eee PC 1015PE, Eee PC 1015PEG, Eee PC 1015PGO, Eee PC 1016P, Eee PC 1016PG, Eee PC 1016PGO, Eee PC 1015PED, Eee PC1015PD, Eee PC 1015PDG
Model No.	:	MSQ16P622AN
FCC ID	:	AC 100~240V
EUT Voltage	:	ASUS
Trade Name	:	ASUSTEK COMPUTER INC.
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E: 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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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 :
No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com

NVLAP Lab Code : 200347-0 ilac-MRA TAF Testing Laboratory 1313

LinKou Testing Laboratory :
No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com

NVLAP Lab Code: 200533-0 ilac-MRA TAF Testing Laboratory 0914

Suzhou (China) Testing 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 E-Mail : service@quietek.com

NVLAP Lab Code : 200743-0 ilac-MRA TAF Testing Laboratory 1596

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1. General Information

1.1. EUT Description

Product Name	Eee PC
Trade Name	Asus
Model No.	Eee PC 1015P, Eee PC 1015PE, Eee PC 1015PEG, Eee PC 1015PGO, Eee PC 1016P, Eee PC 1016PG, Eee PC 1016PGO, Eee PC 1015PED, Eee PC1015PD, Eee PC 1015PDG
FCC ID	MSQ16P622AN
WLAN	Intel WiFi 6200
Working Voltage	AC 100~240V
Frequency Range	For 2.4GHz Band 802.11b/g/n(20MHz): 2412 - 2462 MHz 802.11n(40MHz): 2422 - 2452 MHz For 5GHz 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 5GHz 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 Type	PIFA
Antenna Delivery	2*Tx + 2*Rx
Antenna Peak Gain	Refer to antenna list
AC Adapter	Manufacturer: ASUS M/N: EXA0901XH Input: 100-240V~50/60Hz 1.0A Output: 19Vdc, 2.1A

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.	Antenna Gain
Chain A	YAGEO	CAN43139WLAS01391	1.85dBi for 2.4GHz 4.14dBi for 5GHz
Chain B	YAGEO	CAN43139WIAS01394	0.93dBi for 2.4GHz 1dBi for 5GHz

1.2. Mode of Operation

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

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

Note:

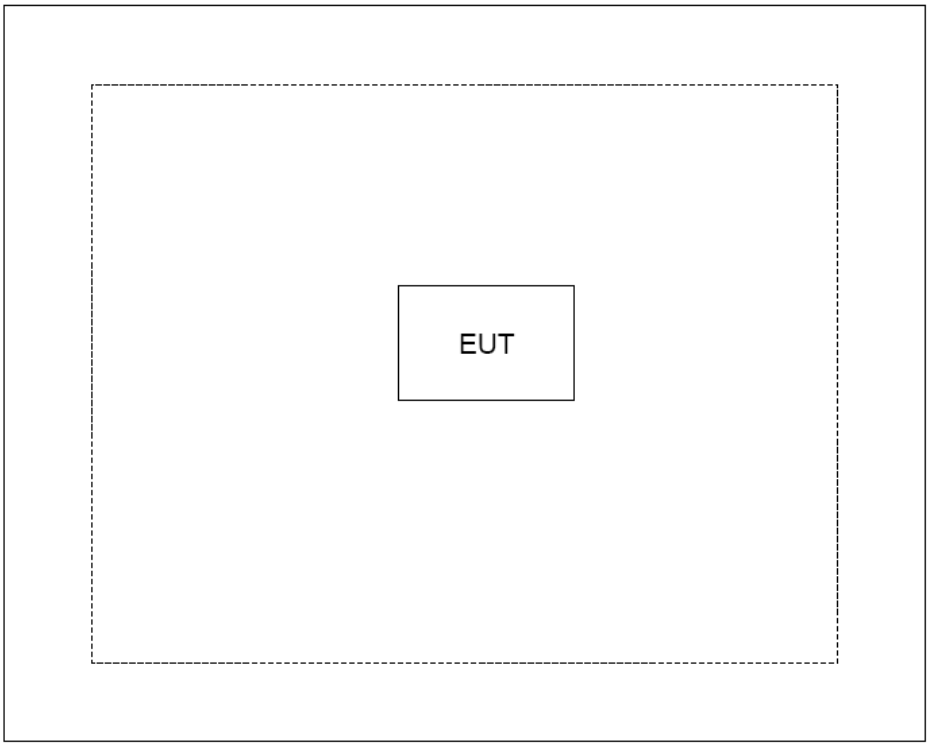
1. Regards to the frequency band operation: the lowest、middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 109S008R-RF-US-P01V02.

1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	N/A	N/A	N/A	N/A	N/A

1.4. Configuration of Tested System

Connection Diagram


Signal Cable Type		Signal cable Description
N/A	N/A	N/A

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above
2	Turn on the power of equipment.
3	Excute the software “CRTU” provided by applicant.
4	Select wireless mode bandwidth and channel for test.

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
Operation Frequency Range of 20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 15.215(c)	Yes	No
26dB Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.407(a)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.407(a)	Yes	No
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.407(a)	Yes	No
Peak Excursion	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.407(a)(6)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.205, 15.407(b)	Yes	No
Frequency Stability	FCC CFR Title 47 Part 15 Subpart C: 2008 Section 15.407(g)	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

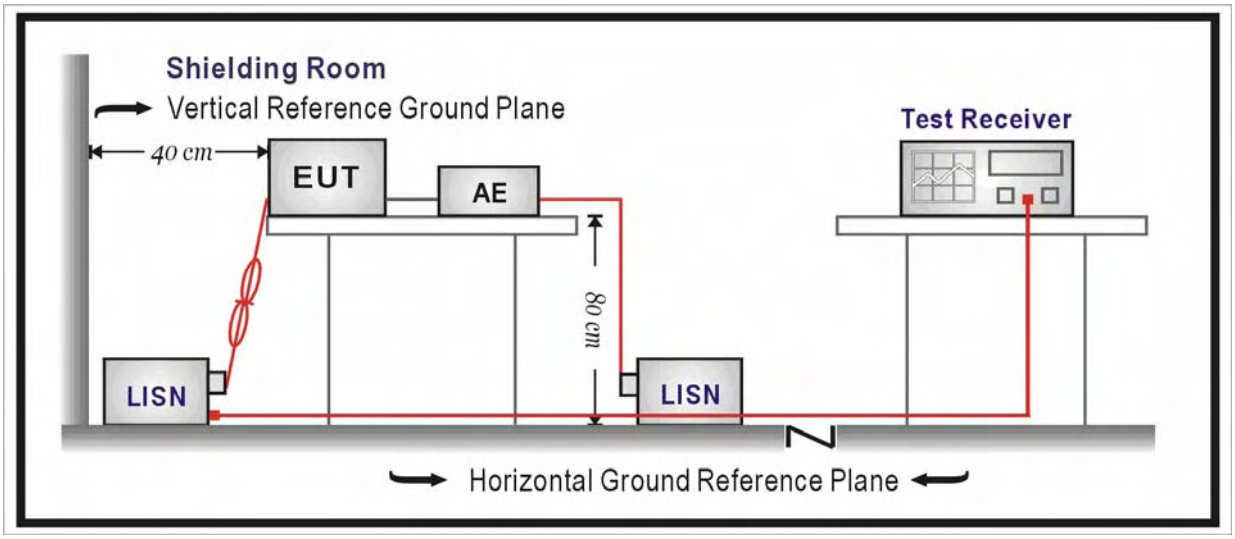
3.1. Test Equipment

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	2009.09.29
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 & ANSI C63.10: 2009.

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.

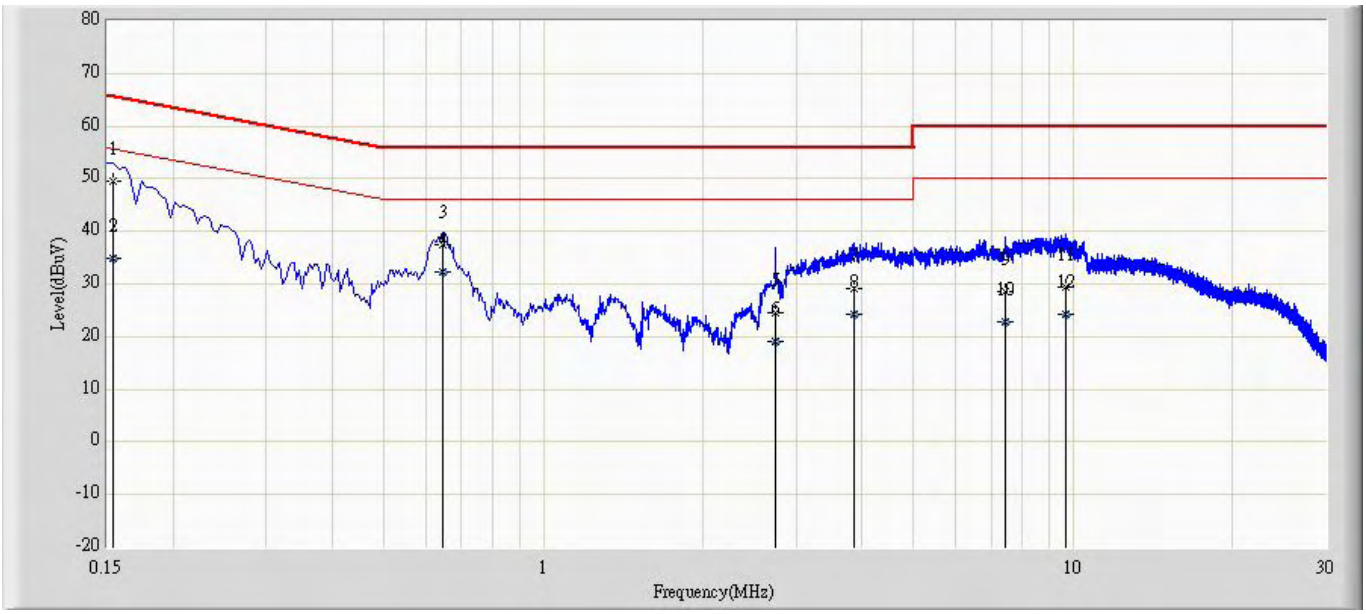
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Uncertainty

The measurement uncertainty is defined as ± 2.02 dB

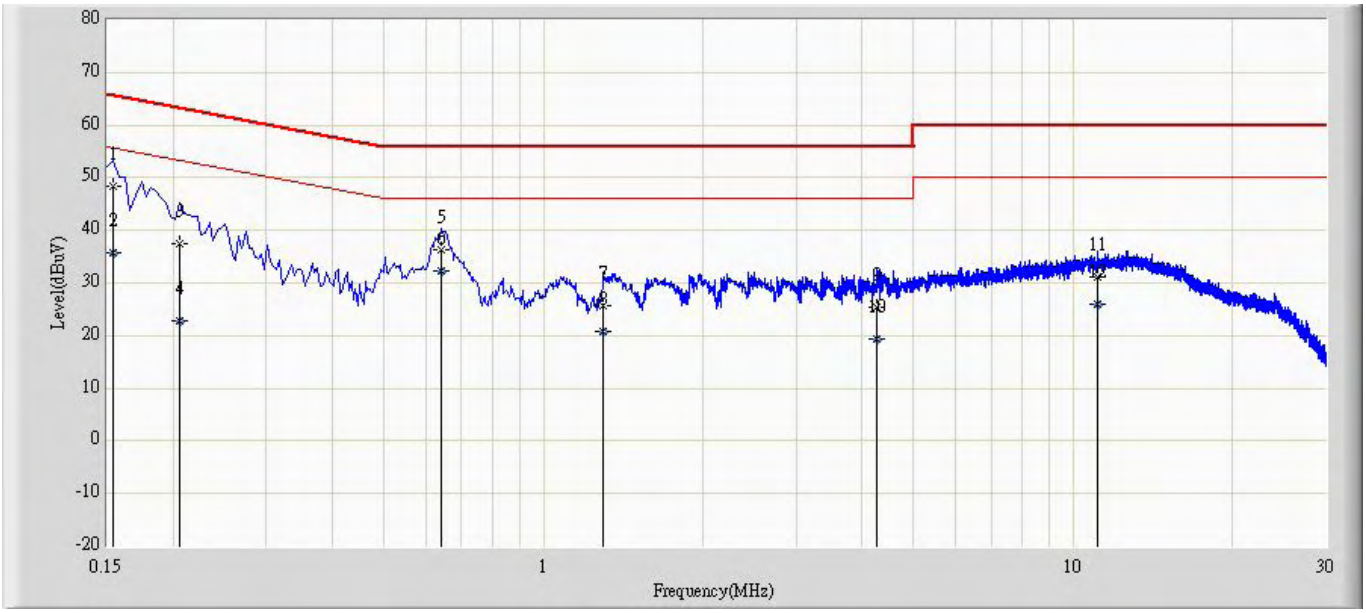
3.6. Test Result

Profile: 109S008R	Page No.: 1
Engineer: Aileen	
Site: TR1	Time: 2010/09/15 - 10:53
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: Eee PC	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		0.154	49.585	40.000	-16.196	65.781	9.585	QP
2		0.154	34.871	25.287	-20.910	55.781	9.585	AV
3		0.646	37.402	27.712	-18.598	56.000	9.690	QP
4	*	0.646	32.229	22.539	-13.771	46.000	9.690	AV
5		2.738	24.469	14.721	-31.531	56.000	9.747	QP
6		2.738	19.025	9.277	-26.975	46.000	9.747	AV
7		3.862	29.137	19.348	-26.863	56.000	9.789	QP
8		3.862	24.159	14.370	-21.841	46.000	9.789	AV
9		7.426	28.587	18.695	-31.413	60.000	9.891	QP
10		7.426	22.852	12.961	-27.148	50.000	9.891	AV
11		9.686	29.451	19.502	-30.549	60.000	9.949	QP
12		9.686	24.161	14.212	-25.839	50.000	9.949	AV

Profile: 109S008R	Page No.: 2
Engineer: Aileen	
Site: TR1	Time: 2010/09/15 - 11:00
Limit: FCC_Part15.207_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: Eee PC	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		0.154	48.285	38.541	-17.496	65.781	9.744	QP
2		0.154	35.856	26.112	-19.925	55.781	9.744	AV
3		0.206	37.410	27.748	-25.955	63.365	9.662	QP
4		0.206	22.865	13.203	-30.500	53.365	9.662	AV
5		0.642	36.418	26.734	-19.582	56.000	9.684	QP
6	*	0.642	32.434	22.750	-13.566	46.000	9.684	AV
7		1.298	25.802	16.085	-30.198	56.000	9.717	QP
8		1.298	20.666	10.949	-25.334	46.000	9.717	AV
9		4.270	25.515	15.712	-30.485	56.000	9.803	QP
10		4.270	19.333	9.530	-26.667	46.000	9.803	AV
11		11.150	31.080	21.043	-28.920	60.000	10.037	QP
12		11.150	25.966	15.929	-24.034	50.000	10.037	AV

4. Radiated Emission

4.1. Test Equipment

☒Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2010/04/23
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2009/11/12
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2010/05/05
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC2-TH	2010/01/14

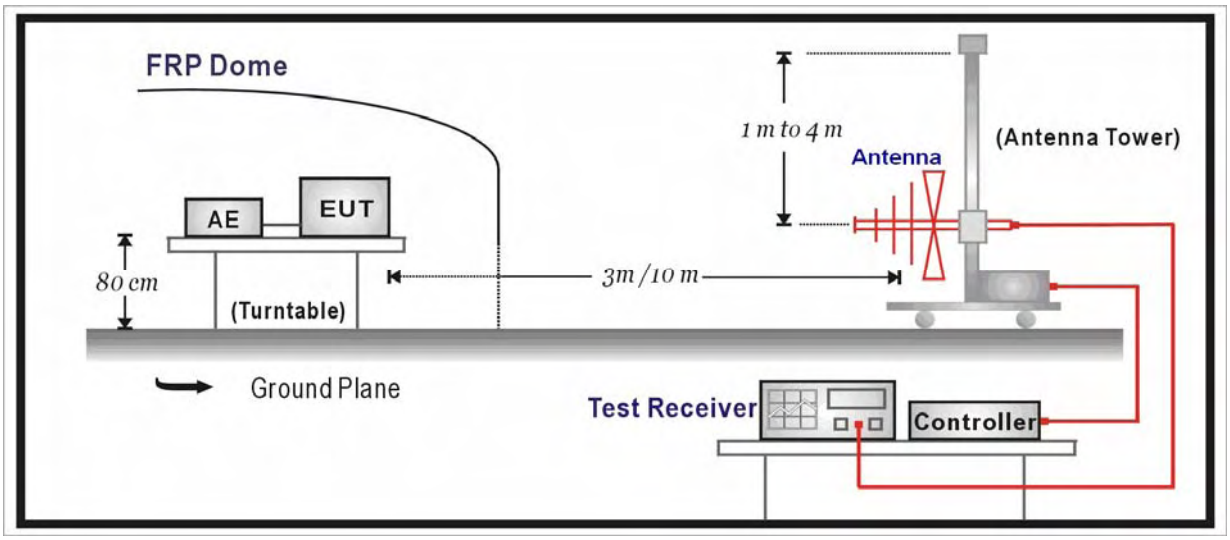
☒Radiated Emission / AC-5

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	2009.11.12
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

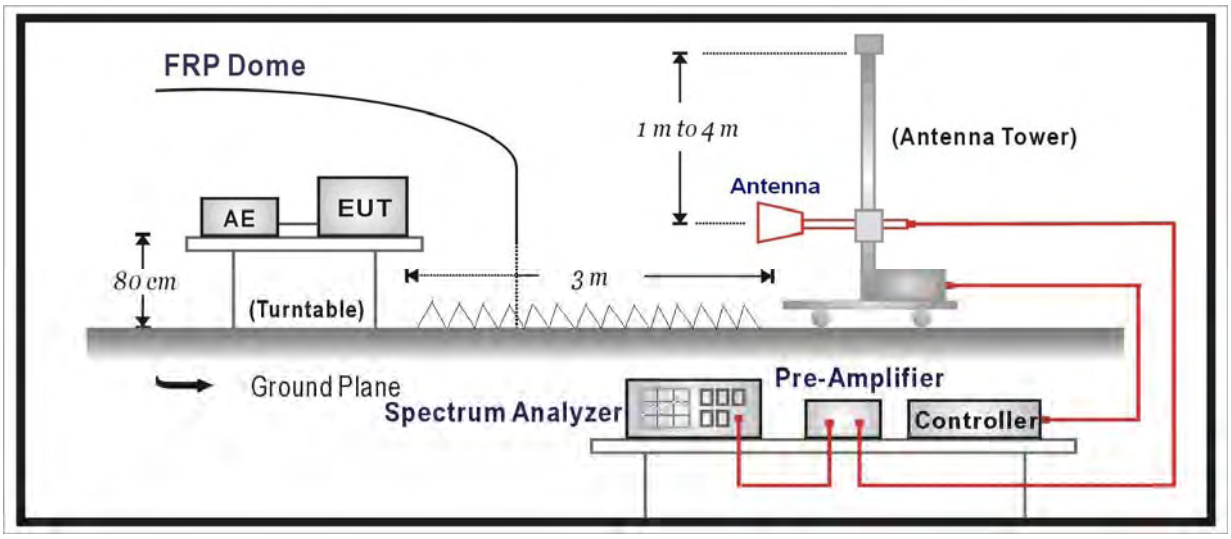
Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

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 & ANSI C63.10: 2009.

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 + Cableloss + Antenna factor - Preamplifier gain

802.11a

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
Chain A	36	H	5178.7	62.8	35.1	97.9	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10360.0	50.8	1.9	52.7	54(Note)	-1.3	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15540.0	53.1	-2.3	50.8	54(Note)	-3.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	40	V	5199.7	63.5	34.2	97.7	Fundamental	/	PK
		H	230.7	44.5	-11.6	32.9	46	-13.1	QP
		H	633.3	32.9	-1.2	31.7	46	-14.3	QP
		V	10400.0	48.4	2.0	50.4	54(Note)	-3.6	PK
		H	7500.0	52.0	-5.4	46.6	54(Note)	-7.4	PK
		V	15600.0	52.4	-2.1	50.3	54(Note)	-3.7	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	48	V	5239.6	64.2	33.8	98.0	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	10480.0	49.2	1.7	50.9	54(Note)	-3.1	PK
		H	7500.0	51.1	-5.4	45.7	54(Note)	-8.3	PK
		V	15720.0	51.8	-1.8	50.0	54(Note)	-4.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	52	V	5260.1	64.1	33.6	97.7	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	10520.0	48.5	2.0	50.5	54(Note)	-3.5	PK
		H	7500.0	51.8	-5.4	46.4	54(Note)	-7.6	PK
		V	15780.0	53.2	-1.3	51.9	54(Note)	-2.1	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	60	V	5301.5	63.9	35.4	99.3	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	55.3	-10.4	44.9	54(Note)	-9.1	PK
		V	10600.0	48.8	2.2	51.0	54(Note)	-3.0	PK
		V	15900.0	52.7	-0.8	51.9	54(Note)	-2.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	64	H	5326.2	68.6	35.7	104.3	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	53.9	-10.4	43.5	54(Note)	-10.5	PK
		H	10640.0	48.7	2.4	51.1	54(Note)	-2.9	PK
		V	15960.0	51.6	-0.7	50.9	54(Note)	-3.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	100	H	5495.7	67.2	36.0	103.2	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	16500.0	51.1	2.3	53.4	54(Note)	-0.6	PK
		H	7500.0	51.7	-5.4	46.3	54(Note)	-7.7	PK
		V	11000.0	49.3	2.5	51.8	54(Note)	-2.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	120	V	5601.3	68.1	28.6	96.7	Fundamental	/	PK
		H	230.7	45.2	-11.6	33.6	46	-12.4	QP
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	16800.0	49.8	3.3	53.1	54(Note)	-0.9	PK
		H	7500.0	50.7	-5.4	45.3	54(Note)	-8.7	PK
		V	11200.0	49.9	2.9	52.8	54(Note)	-1.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	140	H	5696.1	66.2	36.3	102.5	Fundamental	/	PK
		H	230.7	44.4	-11.6	32.8	46	-13.2	QP
		H	633.3	34.4	-1.2	33.2	46	-12.8	QP
		V	6423.0	55.6	-10.3	45.3	54(Note)	-8.7	PK
		H	11400.0	49.6	2.4	52.0	54(Note)	-2.0	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		V	7500.0	52.8	-5.3	47.5	54(Note)	-6.5	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
Chain B	36	H	5175.9	61.6	35.2	96.8	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10360.0	49.1	1.9	51.0	54(Note)	-3.0	PK
		H	7500.0	52.4	-5.4	47.0	54(Note)	-7.0	PK
		V	15540.0	52.4	-2.3	50.1	54(Note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	40	V	5201.4	62.5	34.7	97.2	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10400.0	47.9	2.0	49.9	54(Note)	-4.1	PK
		H	7500.0	51.8	-5.4	46.4	54(Note)	-7.6	PK
		V	15600.0	54.0	-2.1	51.9	54(Note)	-2.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	48	V	5241.0	66.4	35.1	101.5	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10480.0	48.7	1.7	50.4	54(Note)	-3.6	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15720.0	52.7	-1.8	50.9	54(Note)	-3.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	52	V	5260.7	66.7	35.4	102.1	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10520.0	49.7	2.0	51.7	54(Note)	-2.3	PK
		H	7500.0	51.9	-5.4	46.5	54(Note)	-7.5	PK
		V	15720.0	52.0	-1.3	50.7	54(Note)	-3.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	60	V	5301.5	64.7	35.0	99.7	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.7	-1.2	33.5	46	-12.5	QP
		V	6423.0	54.8	-10.4	44.4	54(Note)	-9.6	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	10600.0	48.7	2.2	50.9	54(Note)	-3.1	PK
		V	15900.0	52.9	-0.8	52.1	54(Note)	-1.9	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	64	H	5315.5	67.8	35.7	103.5	Fundamental	/	PK
		H	230.7	44.5	-11.6	32.9	46	-13.1	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	55.4	-10.4	45.0	54(Note)	-9.0	PK
		H	10640.0	49.1	2.4	51.5	54(Note)	-2.5	PK
		V	15960.0	50.8	-0.7	50.1	54(Note)	-3.9	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	100	H	5502.8	67.5	36	103.5	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	16500.0	51.2	2.3	53.5	54(Note)	-0.5	PK
		H	7500.0	52.6	-5.4	47.2	54(Note)	-6.8	PK
		V	11000.0	49.4	2.5	51.9	54(Note)	-2.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	120	V	5602.0	66.6	35.1	101.7	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.2	-1.2	33.0	46	-13.0	QP
		V	16800.0	51.0	2.2	53.2	54(Note)	-0.8	PK
		H	7500.0	52.3	-5.4	46.9	54(Note)	-7.1	PK
		V	11200.0	48.7	2.9	51.6	54(Note)	-2.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	140	V	5702.9	67.2	36.3	103.5	Fundamental	/	PK
		H	230.7	44.0	-11.6	32.4	46	-13.6	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	7500.0	52.1	-5.3	46.8	54(Note)	-7.2	PK
		V	11400.0	48.8	2.4	51.2	54(Note)	-2.8	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 A	36	H	5183.8	65.9	35.1	101.0	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	34.0	-1.2	32.8	46	-13.2	QP
		V	10360.0	48.1	1.9	50.0	54(Note)	-4.0	PK
		H	7500.0	51.5	-5.4	46.1	54(Note)	-7.9	PK
		V	15540.0	52.8	-2.3	50.5	54(Note)	-3.5	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	40	V	5201.0	67.2	34.8	102.0	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	34.1	-1.2	32.9	46	-13.1	QP
		V	10400.0	48.1	2.0	50.1	54(Note)	-3.9	PK
		H	7500.0	52.1	-5.4	46.7	54(Note)	-7.3	PK
		V	15600.0	51.9	-2.1	49.8	54(Note)	-4.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	48	V	5240.1	65.7	35.1	100.8	Fundamental	/	PK
		H	230.7	45.3	-11.6	33.7	46	-12.3	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10480.0	48.2	1.7	49.9	54(Note)	-4.1	PK
		H	7500.0	52.0	-5.4	46.6	54(Note)	-7.4	PK
		V	15720.0	51.2	-1.8	49.4	54(Note)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	52	V	2560.2	66.5	34.8	101.3	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10520.0	49.6	2.0	51.6	54(Note)	-2.4	PK
		H	7500.0	52.5	-5.4	47.1	54(Note)	-6.9	PK
		V	15780.0	51.9	-1.3	50.6	54(Note)	-3.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	60	V	5301.0	66.9	35.2	102.1	Fundamental	/	PK
		H	230.7	45.3	-11.6	33.7	46	-12.3	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	6423.0	55.0	-10.4	44.6	54(Note)	-9.4	PK
		H	10600.0	48.3	2.2	50.5	54(Note)	-3.5	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		V	15900.0	53.0	-0.8	52.2	54(Note)	-1.8	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	64	H	5315.6	70.3	35.8	106.1	Fundamental	/	PK
		H	230.7	45.0	-11.6	33.4	46	-12.6	QP
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	10640.0	51.4	-1.3	50.1	54(Note)	-3.9	PK
		V	15960.0	50.0	-2.1	47.9	54(Note)	-6.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	100	H	5502.4	69.6	36.0	105.6	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.3	-1.2	33.1	46	-12.9	QP
		V	16500.0	50.7	2.3	53.0	54(Note)	-1.0	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11000.0	50.9	2.5	53.4	54(Note)	-0.6	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	120	V	5600.7	67.7	35.7	103.4	Fundamental	/	PK
		H	230.7	44.0	-11.6	32.4	46	-13.6	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	16800.0	50.2	3.3	53.5	54(Note)	-0.5	PK
		H	7500.0	52.5	-5.4	47.1	54(Note)	-6.9	PK
		V	11200.0	48.0	2.9	50.9	54(Note)	-3.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	140	H	5704.4	69.5	36.4	105.9	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11400.0	47.5	2.4	49.9	54(Note)	-4.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
Chain B	36	V	5182.6	62.1	35.1	97.2	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10360.0	48.1	1.9	50.0	54(Note)	-4.0	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	7500.0	52.3	-5.4	46.9	54(Note)	-7.1	PK
		V	15540.0	52.3	-2.3	50.0	54(Note)	-4.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	40	V	5200.3	63.3	35.3	98.6	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	10400.0	46.5	2.0	48.5	54(Note)	-5.5	PK
		H	7500.0	52.5	-5.4	47.1	54(Note)	-6.9	PK
		V	15600.0	51.1	-2.1	49.0	54(Note)	-5.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	48	V	5240.6	65.5	36.0	101.5	Fundamental	/	PK
		H	230.7	44.4	-11.6	32.8	46	-13.2	QP
		H	633.3	34.1	-1.2	32.9	46	-13.1	QP
		V	10480.0	48.5	1.7	50.2	54(Note)	-3.8	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15720.0	51.6	-1.8	49.8	54(Note)	-4.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	52	V	5260.5	66.2	35.8	102.0	Fundamental	/	PK
		H	230.7	45.7	-11.6	34.1	46	-11.9	QP
		H	633.3	34.8	-1.2	33.6	46	-12.4	QP
		V	10520.0	49.1	2.0	51.1	54(Note)	-2.9	PK
		H	7500.0	51.8	-5.4	46.4	54(Note)	-7.6	PK
		V	15780.0	55.1	-1.3	53.8	54(Note)	-0.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	60	V	5300.8	67.4	35.6	103.0	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	6423.0	55.3	-10.4	44.9	54(Note)	-9.1	PK
		H	10600.0	47.9	2.2	50.1	54(Note)	-3.9	PK
		V	15900.0	51.8	-0.8	51.0	54(Note)	-3.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	64	V	5322.4	67.7	35.7	103.4	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		V	6423.0	55.7	-10.4	45.3	54(Note)	-8.7	PK
		H	10640.0	47.5	2.4	49.9	54(Note)	-4.1	PK
		V	15960.0	52.4	-0.7	51.7	54(Note)	-2.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	100	V	5495.6	67.4	36.1	103.5	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	16500.0	51.3	2.3	53.6	54(Note)	-0.4	PK
		H	7500.0	52.6	-5.4	47.2	54(Note)	-6.8	PK
		V	11000.0	48.8	2.5	51.3	54(Note)	-2.7	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	120	V	5601.2	67.4	35.8	103.2	Fundamental	/	PK
		H	230.7	44.5	-11.6	32.9	46	-13.1	QP
		H	633.3	34.2	-1.2	33.0	46	-13.0	QP
		V	16800.0	50.5	3.3	53.8	54(Note)	-0.2	PK
		H	7500.0	53.0	-5.4	47.6	54(Note)	-6.4	PK
		V	11200.0	48.9	2.9	51.8	54(Note)	-2.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	140	V	5706.0	66.8	36.3	103.1	Fundamental	/	PK
		H	230.7	43.2	-11.6	31.6	46	-14.4	QP
		H	633.3	33.5	-1.2	32.3	46	-13.7	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	7500.0	52.1	-5.3	46.8	54(Note)	-7.2	PK
		V	11400.0	48.0	2.4	50.4	54(Note)	-3.6	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
Chain A+B	36	V	5184.3	63.4	35.2	98.6	Fundamental	/	PK
		H	230.7	43.7	-11.6	32.1	46	-13.9	QP
		H	633.3	33.6	-1.2	32.4	46	-13.6	QP
		V	10360.0	48.8	1.9	50.7	54(Note)	-3.3	PK
		H	7500.0	53.2	-5.4	47.8	54(Note)	-6.2	PK
		V	15540.0	51.9	-2.3	49.6	54(Note)	-4.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	40	V	5200.3	64.6	35.1	99.7	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	10400.0	47.4	2.0	49.4	54(Note)	-4.6	PK
		H	7500.0	52.5	-5.4	47.1	54(Note)	-6.9	PK
		V	15600.0	51.3	-2.1	49.2	54(Note)	-4.8	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	48	V	5240.6	65.4	35.1	100.5	Fundamental	/	PK
		H	230.7	44.8	-11.6	33.2	46	-12.8	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10480.0	48.2	1.7	49.9	54(Note)	-4.1	PK
		H	7500.0	52.8	-5.4	47.4	54(Note)	-6.6	PK
		V	15720.0	51.1	-1.8	49.3	54(Note)	-4.7	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	52	V	5260.2	64.8	35.2	100.0	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10520.0	49.3	2.0	51.3	54(Note)	-2.7	PK
		H	7500.0	52.0	-5.4	46.6	54(Note)	-7.4	PK
		V	15780.0	52.3	-1.3	51.0	54(Note)	-3.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	60	V	5300.2	67.7	35.5	103.2	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP
		H	633.3	35.0	-1.2	33.8	46	-12.2	QP
		V	6423.0	56.1	-10.4	45.7	54(Note)	-8.3	PK
		H	10600.0	48.9	2.2	51.1	54(Note)	-2.9	PK
		V	15900.0	52.4	-0.8	51.6	54(Note)	-2.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	64	H	5324.4	70.6	35.7	106.3	Fundamental	/	PK
		H	230.7	43.6	-11.6	32.0	46	-14.0	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	54.3	-10.4	43.9	54(Note)	-10.1	PK
		H	10640.0	48.4	2.4	50.8	54(Note)	-3.2	PK
		V	15960.0	51.3	-0.7	50.6	54(Note)	-3.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	100	V	5504.5	69.2	36.1	105.3	Fundamental	/	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	230.7	45.0	-11.6	33.4	46	-12.6	QP
		H	633.3	34.9	-1.2	33.7	46	-12.3	QP
		V	6423.0	55.8	-10.4	45.4	54(Note)	-8.6	PK
		H	11000.0	48.7	2.5	51.2	54(Note)	-2.8	PK
		V	16500.0	51.6	2.3	53.9	54(Note)	-0.1	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	120	V	5600.8	68.7	35.9	104.6	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	6423.0	56.1	-10.4	45.7	54(Note)	-8.3	PK
		H	11200.0	49.2	2.9	52.1	54(Note)	-1.9	PK
		V	16800.0	50.4	3.3	53.7	54(Note)	-0.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	140	V	5704.3	68.3	36.3	104.6	Fundamental	/	PK
		H	230.7	43.8	-11.6	32.2	46	-13.8	QP
		H	633.3	33.6	-1.2	32.4	46	-13.6	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	7500.0	52.1	-5.3	46.8	54(Note)	-7.2	PK
		H	11400.0	48.8	2.4	51.2	54(Note)	-2.8	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 A	38	V	5186.7	60.5	35.2	95.7	Fundamental	/	PK
		H	230.7	43.6	-11.6	32.7	46	-14.0	QP
		H	633.3	38.6	-1.2	32.8	46	-8.6	QP
		V	10380.0	49.0	1.9	50.9	54(Note)	-3.1	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15570.0	52.1	-2.1	50.0	54(Note)	-4.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	46	V	5230.6	65.9	35.3	101.2	Fundamental	/	PK
		H	230.7	43.7	-11.6	32.7	46	-13.9	QP
		H	633.3	38.9	-1.2	32.8	46	-8.3	QP
		V	10460.0	49.0	1.7	50.8	54(Note)	-3.3	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15690.0	52.3	-1.8	50.5	54(Note)	-3.5	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	54	V	5270.2	66.8	35.2	102.0	Fundamental	/	PK
		H	230.7	43.9	-11.6	32.7	46	-13.7	QP
		H	633.3	33.9	-1.2	32.8	46	-13.3	QP
		V	10540.0	49.5	2.1	51.7	54(Note)	-2.4	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15810.0	52.9	-1.3	51.5	54(Note)	-2.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	62	V	5312.6	66.4	35.8	102.2	Fundamental	/	PK
		H	230.7	44.0	-11.6	32.7	46	-13.6	QP
		H	633.3	34.0	-1.2	32.8	46	-13.2	QP
		V	6423.0	55.3	-10.4	44.9	54(Note)	-9.1	PK
		H	10620.0	48.5	2.3	50.8	54(Note)	-3.2	PK
		V	15930.0	51.5	-0.7	50.8	54(Note)	-3.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	102	V	5498.5	67.8	36.0	103.8	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	16530.0	51.0	2.5	53.5	54(Note)	-0.5	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		V	11020.0	49.1	2.6	51.7	54(Note)	-2.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	118	V	5590.6	67.8	35.7	103.5	Fundamental	/	PK
		H	230.7	43.6	-11.6	32.0	46	-14.0	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	16770.0	50.3	3.2	53.5	54(Note)	-0.5	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11180.0	48.0	2.7	50.7	54(Note)	-3.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	134	V	5672.5	67.1	36.3	103.4	Fundamental	/	PK
		H	230.7	44.3	-11.6	32.7	46	-13.3	QP
		H	633.3	34.2	-1.2	33.0	46	-13.0	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	11340.0	49.4	2.6	52.0	54(Note)	-2.0	PK
		V	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
Chain B	38	V	5179.2	60.3	35.2	95.5	Fundamental	/	PK
		H	230.7	43.6	-11.6	32.0	46	-14.0	QP
		H	633.3	33.6	-1.2	32.4	46	-13.6	QP
		V	10380.0	47.7	1.9	49.6	54(Note)	-4.4	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15570.0	51.2	-2.1	49.1	54(Note)	-4.9	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	46	V	5230.8	65.2	35.3	100.5	Fundamental	/	PK
		H	230.7	43.2	-11.6	31.6	46	-14.4	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	10460.0	48.6	1.7	50.3	54(Note)	-3.7	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15690.0	51.2	-1.8	49.4	54(Note)	-4.6	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	54	V	5270.6	65.9	35.2	101.1	Fundamental	/	PK
		H	230.7	43.8	-11.6	32.2	46	-13.8	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	55.3	-10.4	44.9	54(Note)	-9.1	PK

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	10620.0	49.4	2.3	51.7	54(Note)	-2.3	PK
		V	15930.0	51.9	-0.7	51.2	54(Note)	-2.8	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	62	V	5319.1	64.3	35.7	100.0	Fundamental	/	PK
		H	230.7	44.5	-11.6	32.9	46	-13.1	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	16530.0	51.4	2.5	53.9	54(Note)	-0.1	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11020.0	48.2	2.6	50.8	54(Note)	-3.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	102	V	5512.6	66.2	36.1	102.3	Fundamental	/	PK
		H	230.7	43.6	-11.6	32.0	46	-14.0	QP
		H	633.3	33.8	-1.2	32.6	46	-13.4	QP
		V	10540.0	49.1	2.1	51.2	54(Note)	-2.8	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15810.0	51.9	-1.3	50.6	54(Note)	-3.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	118	V	5590.9	65.7	35.9	101.6	Fundamental	/	PK
		H	230.7	43.8	-11.6	32.2	46	-13.8	QP
		H	633.3	33.6	-1.2	32.4	46	-13.6	QP
		V	16770.0	50.7	2.7	53.4	54(Note)	-0.6	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11180.0	48.8	3.2	52.0	54(Note)	-2.0	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	134	H	5673.1	64.7	36.3	101.0	Fundamental	/	PK
		H	230.7	43.8	-11.6	32.2	46	-13.8	QP
		H	633.3	33.9	-1.2	32.7	46	-13.3	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11340.0	48.6	2.6	51.2	54(Note)	-2.8	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
Chain A+B	38	V	5184.5	60.6	35.1	95.7	Fundamental	/	PK
		H	230.7	44.0	-11.6	32.4	46	-13.6	QP
		H	633.3	34.3	-1.2	33.1	46	-12.9	QP

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		V	10380.0	48.6	1.9	50.5	54(Note)	-3.5	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15570.0	53.3	-2.1	51.2	54(Note)	-2.8	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	46	V	5230.4	63.7	35.2	98.9	Fundamental	/	PK
		H	230.7	44.9	-11.6	33.3	46	-12.7	QP
		H	633.3	34.5	-1.2	33.3	46	-12.7	QP
		V	10460.0	49.6	1.7	51.3	54(Note)	-2.7	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15690.0	52.1	-1.8	50.3	54(Note)	-3.7	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	54	V	5270.5	65.2	35.3	100.5	Fundamental	/	PK
		H	230.7	44.7	-11.6	33.1	46	-12.9	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	10540.0	49.9	2.1	52.0	54(Note)	-2.0	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	15810.0	54.0	-1.3	52.7	54(Note)	-1.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	62	V	5304.2	67.4	35.7	103.1	Fundamental	/	PK
		H	230.7	44.0	-11.6	32.4	46	-13.6	QP
		H	633.3	34.2	-1.2	33.0	46	-13.0	QP
		V	10608.0	50.2	1.8	52.0	54(Note)	-2.0	PK
		H	7500.0	52.1	-5.3	46.8	54(Note)	-7.2	PK
		V	15912.0	53.7	-1.1	52.6	54(Note)	-1.4	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	102	H	5503.5	66.7	36.1	102.8	Fundamental	/	PK
		H	230.7	43.9	-11.6	32.3	46	-13.7	QP
		H	633.3	34.6	-1.2	33.4	46	-12.6	QP
		V	6423.0	55.3	-10.4	44.9	54(Note)	-9.1	PK
		H	10620.0	48.4	2.3	50.7	54(Note)	-3.3	PK
		V	15930.0	50.5	-0.7	49.8	54(Note)	-4.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	118	V	5590.6	67.1	35.9	103.0	Fundamental	/	PK
		H	230.7	44.6	-11.6	33.0	46	-13.0	QP

Chain	CH	Antenna	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dB)	Measure Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
		H	633.3	34.8	-1.2	33.6	46	-12.4	QP
		V	16530.0	50.8	2.5	53.3	54(Note)	-0.7	PK
		H	7500.0	52.2	-5.4	46.8	54(Note)	-7.2	PK
		V	11020.0	48.1	2.6	50.7	54(Note)	-3.3	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK
	134	V	5673.4	66.5	36.3	102.8	Fundamental	/	PK
		H	230.7	44.5	-11.6	32.9	46	-13.1	QP
		H	633.3	33.7	-1.2	32.5	46	-13.5	QP
		V	6423.0	55.2	-10.3	44.9	54(Note)	-9.1	PK
		H	11340.0	48.5	2.6	51.2	54(Note)	-2.9	PK
		V	7500.0	52.1	-5.3	46.8	54(Note)	-7.2	PK
		H	24000.0	59.1	-8.9	50.2	54(Note)	-3.8	PK

Note : 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. Operation Frequency Range of 20dB Bandwidth

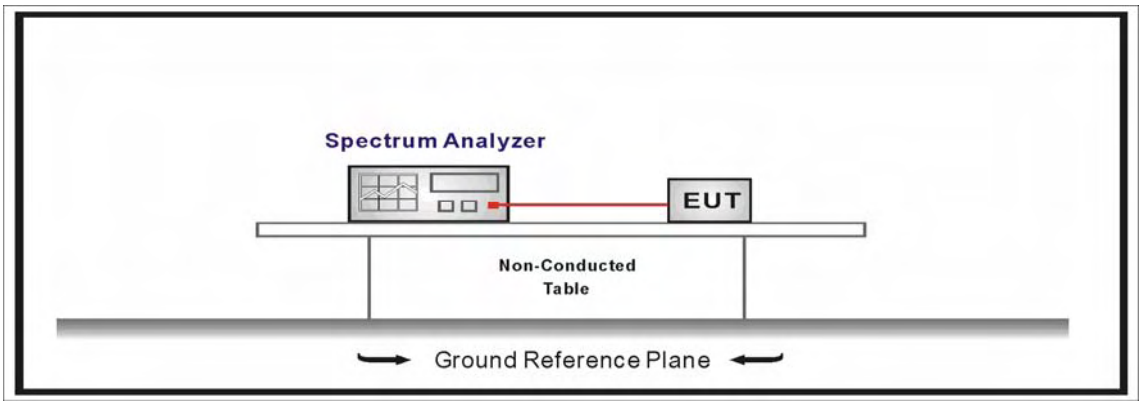
5.1. Test Equipment

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	2010.01.14

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

20 dB bandwidth of the emission is contained within the operation frequency band. FCC Part15.215(c).

5.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 requirements.
Set RBW = 100 kHz, Span greater than RBW.

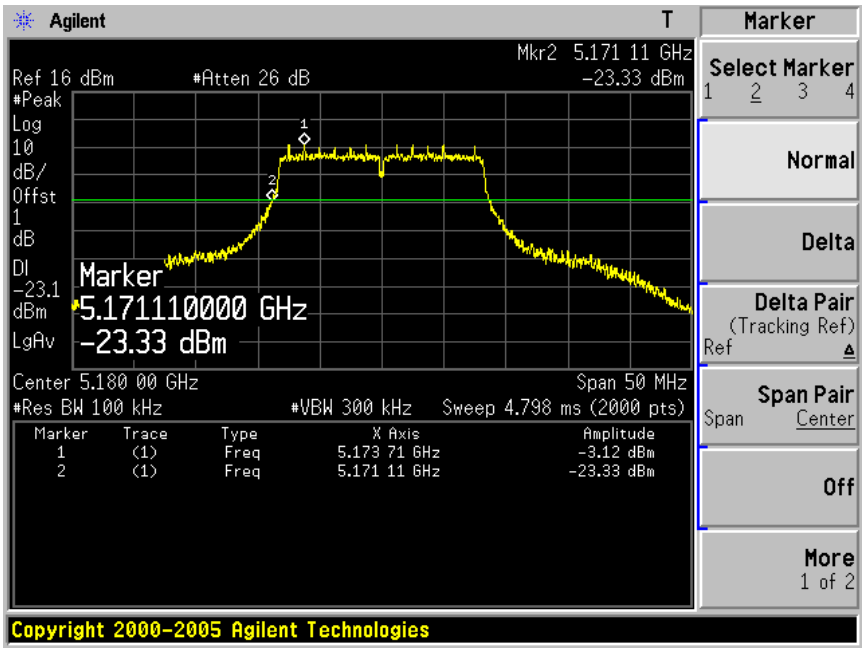
5.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

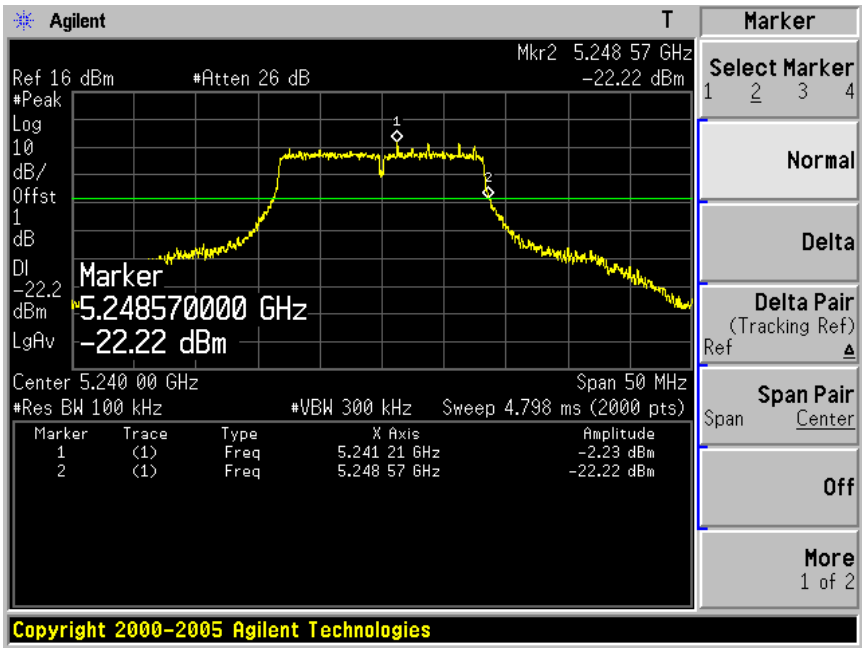
5.6. Test Result

Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain A)

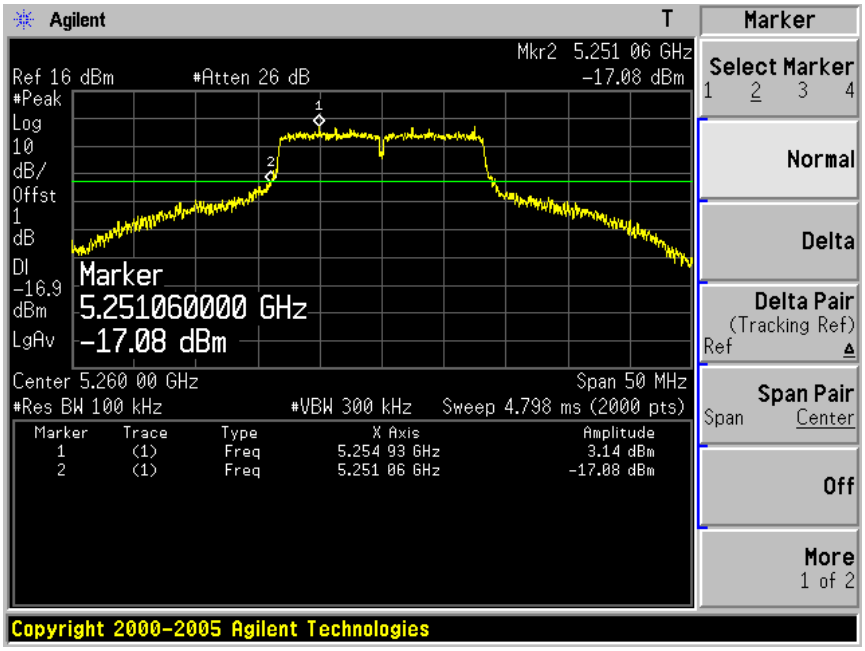
Channel 36 (5180MHz)



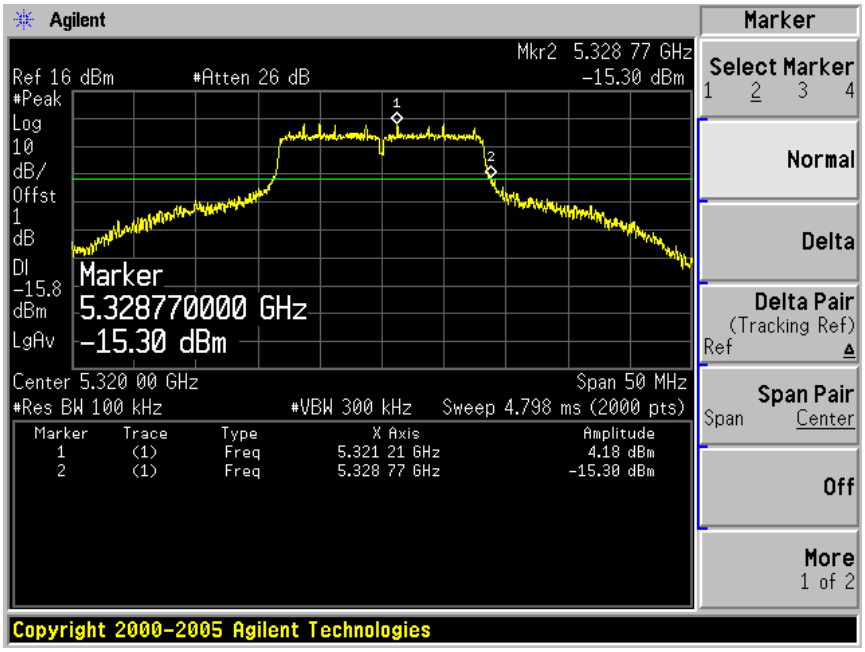
Channel 48 (5240MHz)



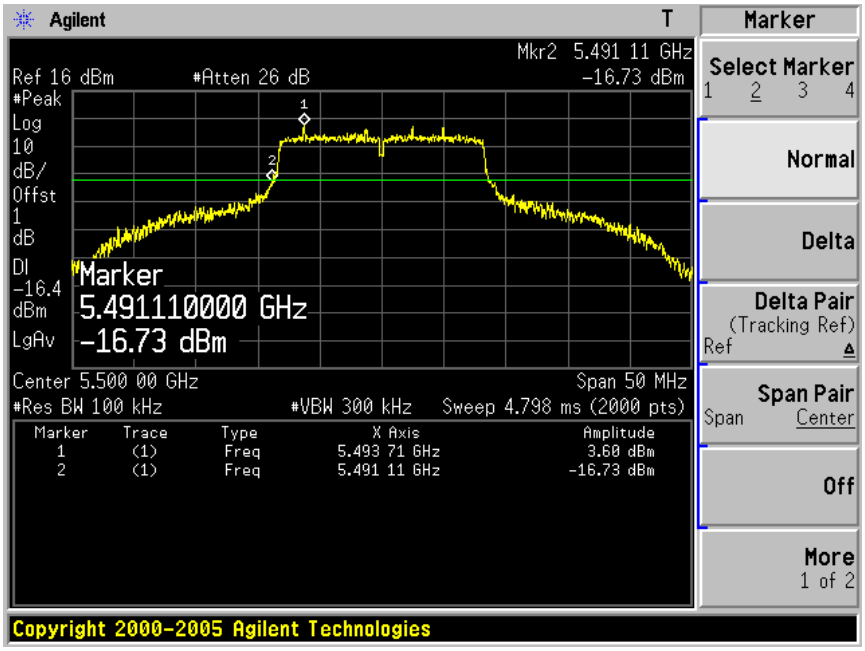
Channel 52 (5260MHz)



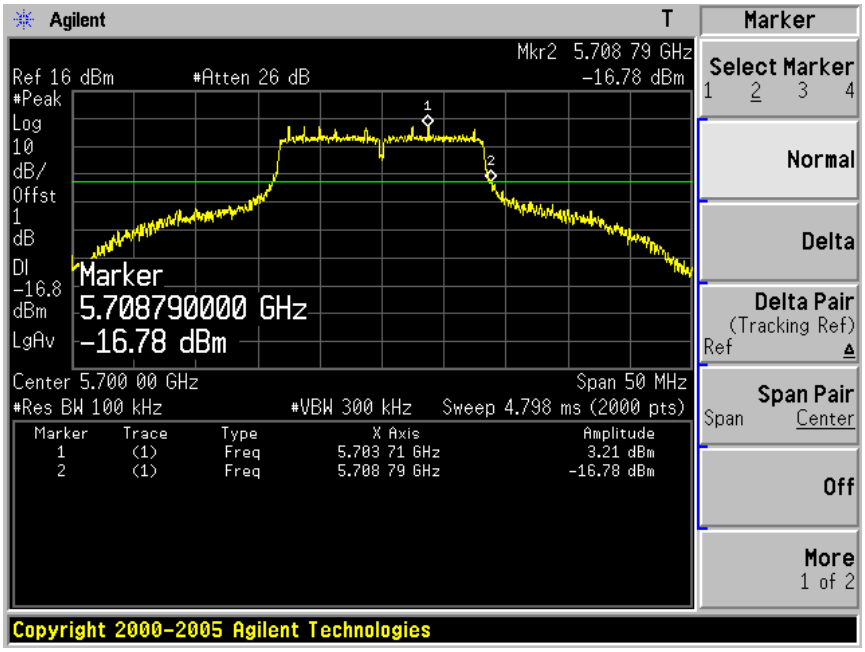
Channel 64 (5320MHz)



Channel 100 (5500MHz)

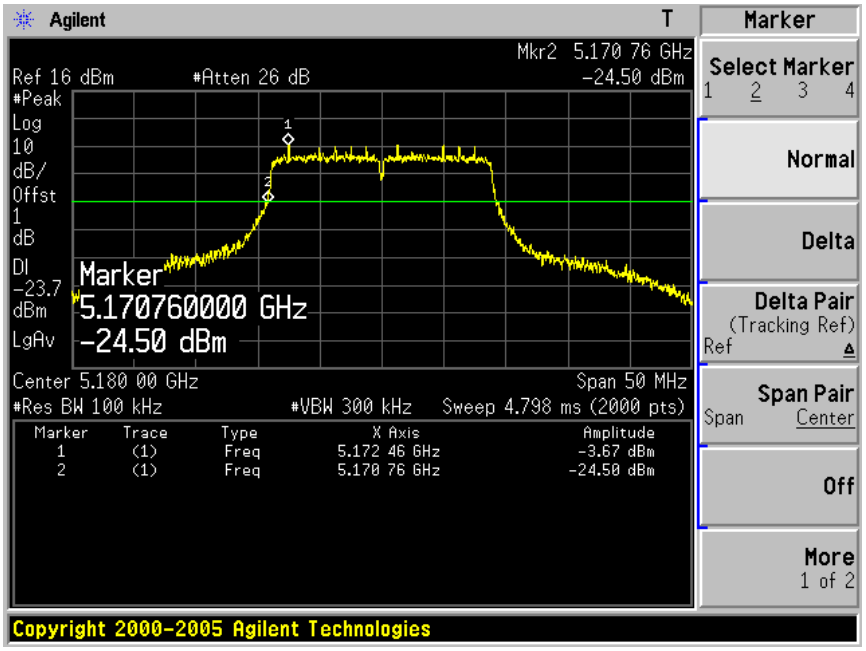


Channel 140 (5700MHz)

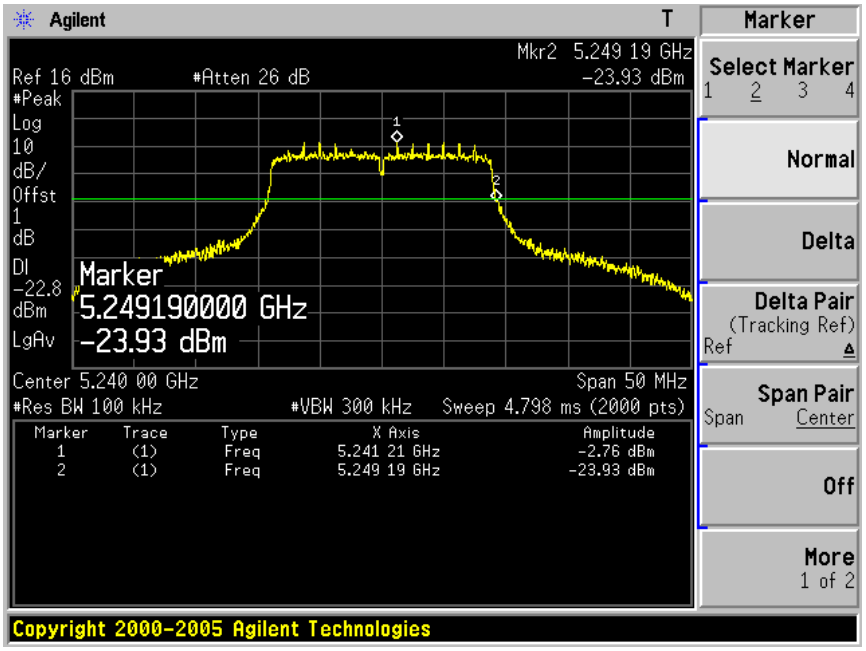


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain A)

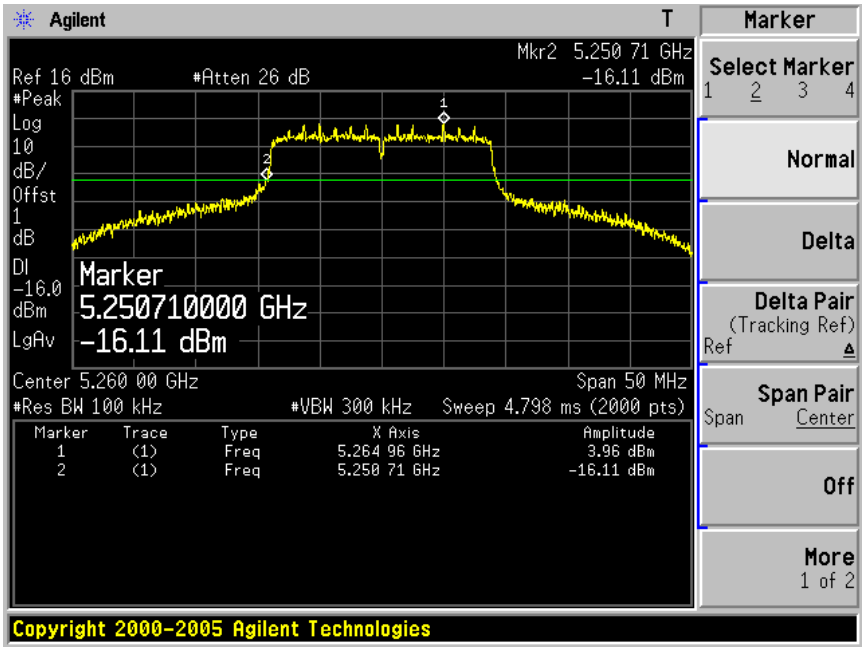
Channel 36 (5180MHz)



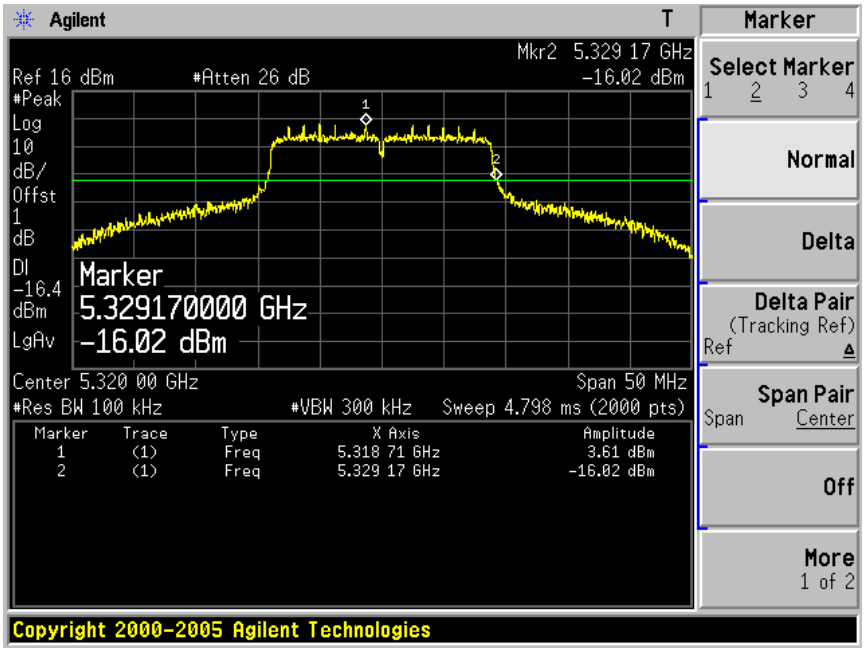
Channel 48 (5240MHz)



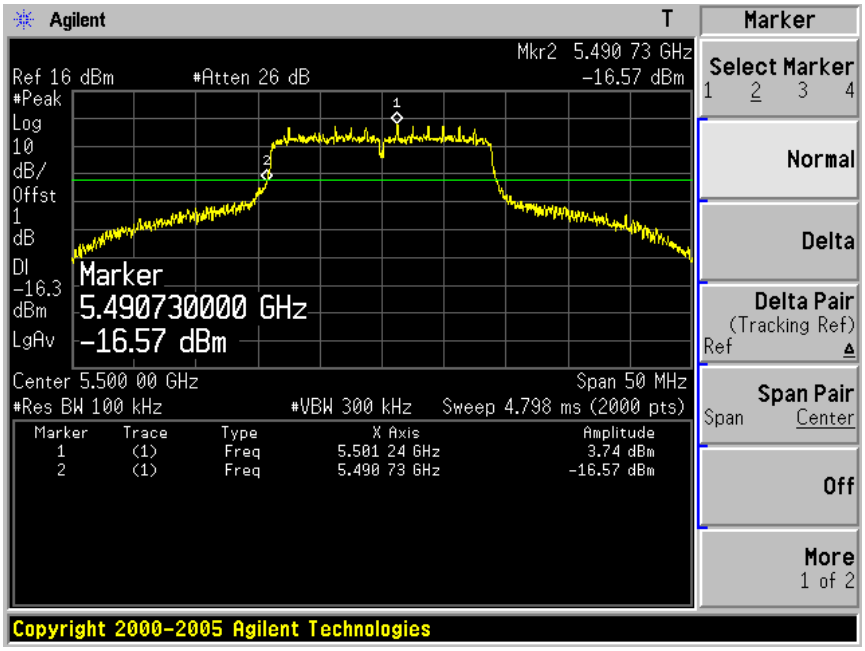
Channel 52 (5260MHz)



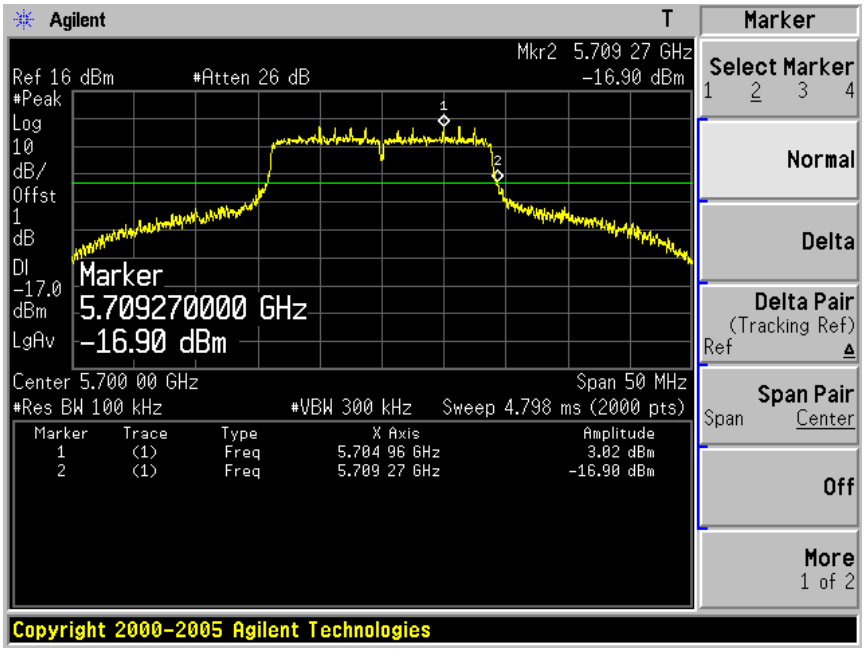
Channel 64 (5320MHz)



Channel 100 (5500MHz)

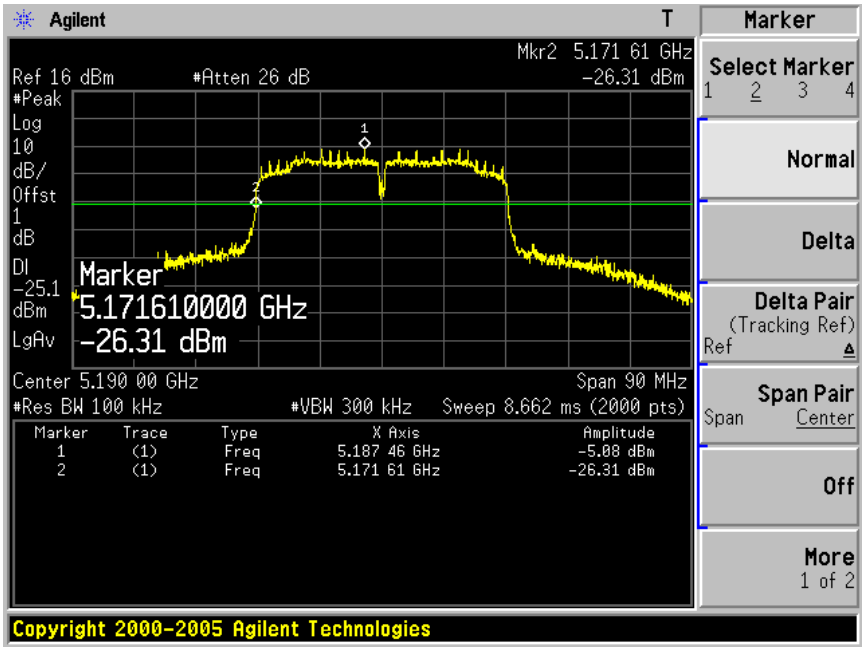


Channel 140 (5700MHz)

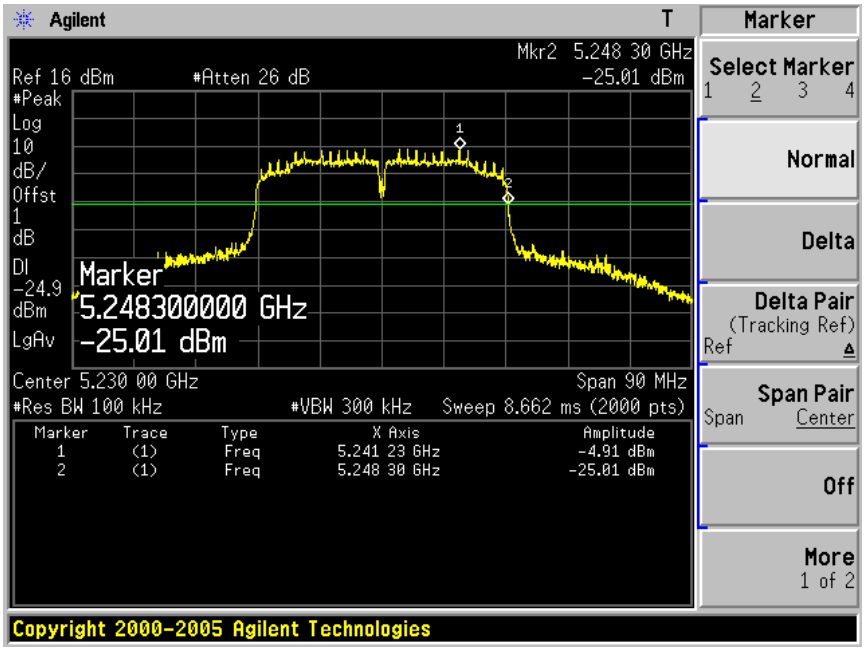


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain A)

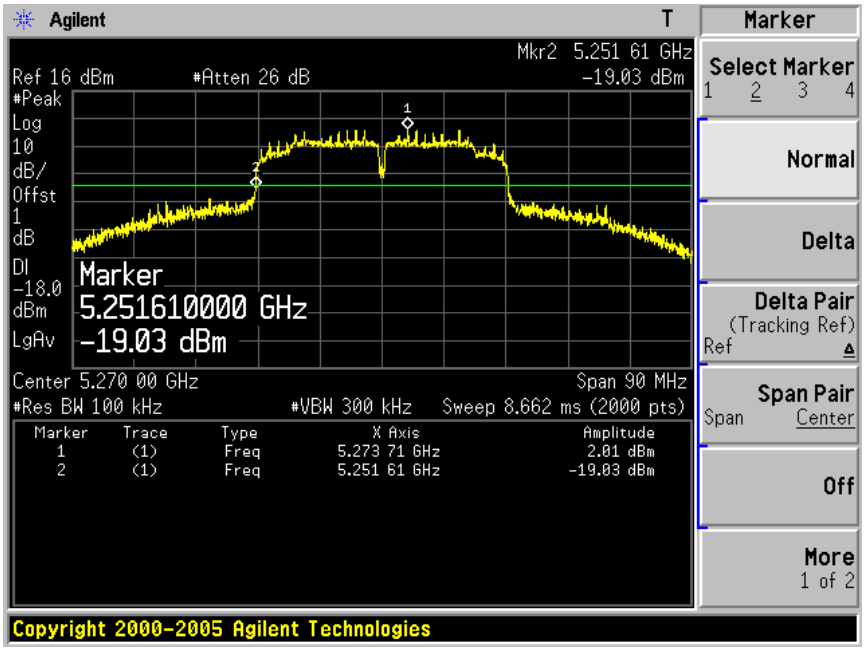
Channel 38 (5190MHz)



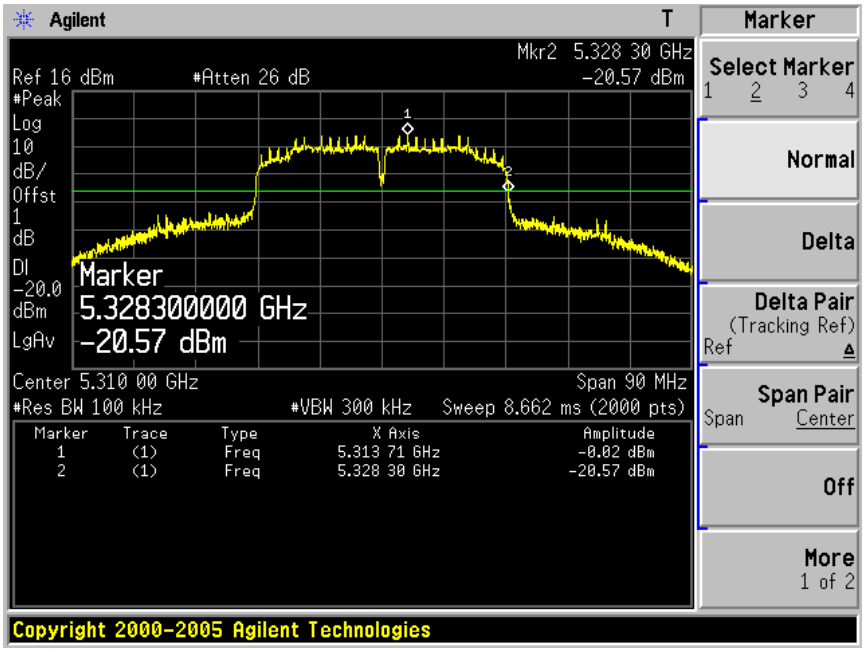
Channel 46 (5230MHz)



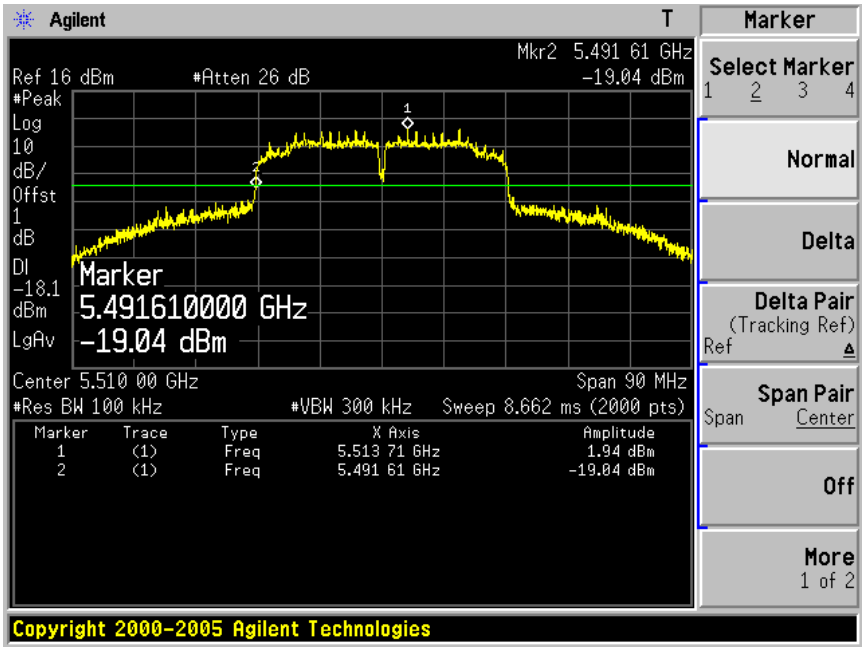
Channel 54 (5270MHz)



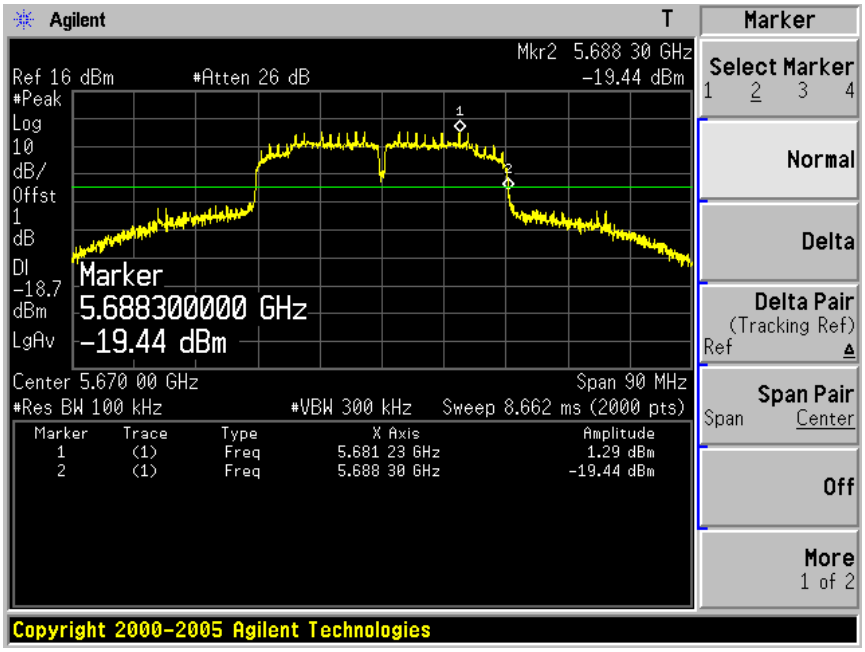
Channel 62 (5310MHz)



Channel 102 (5510MHz)

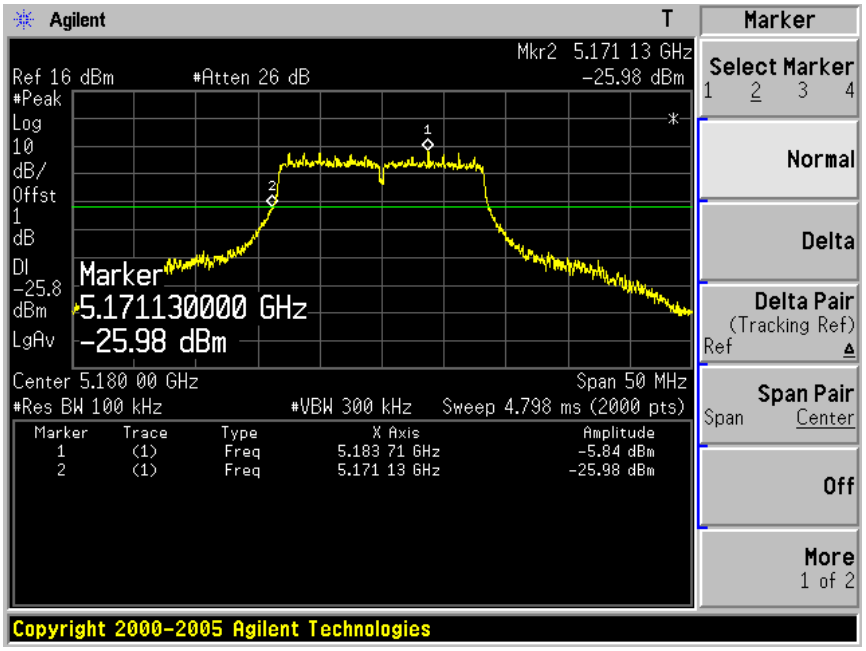


Channel 134 (5670MHz)

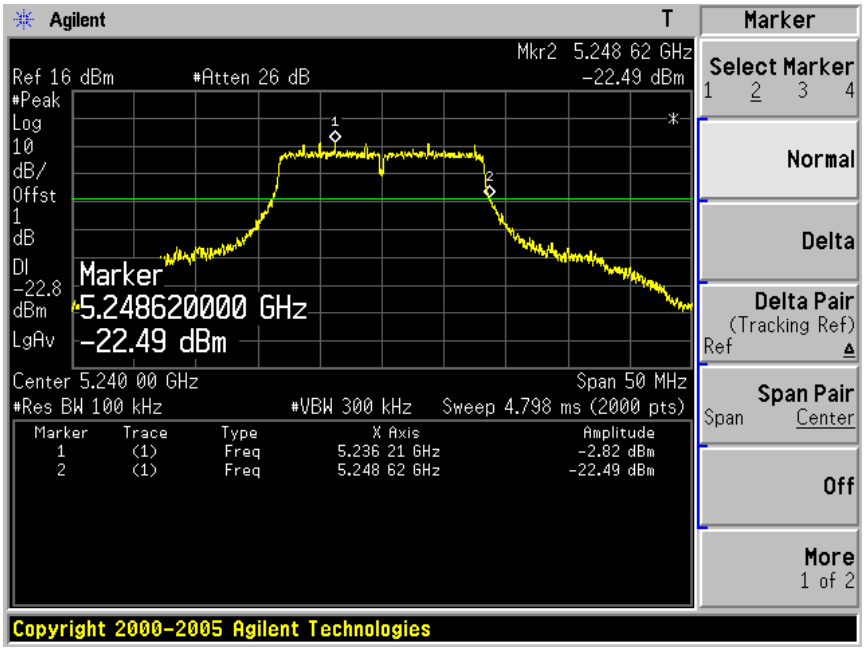


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain B)

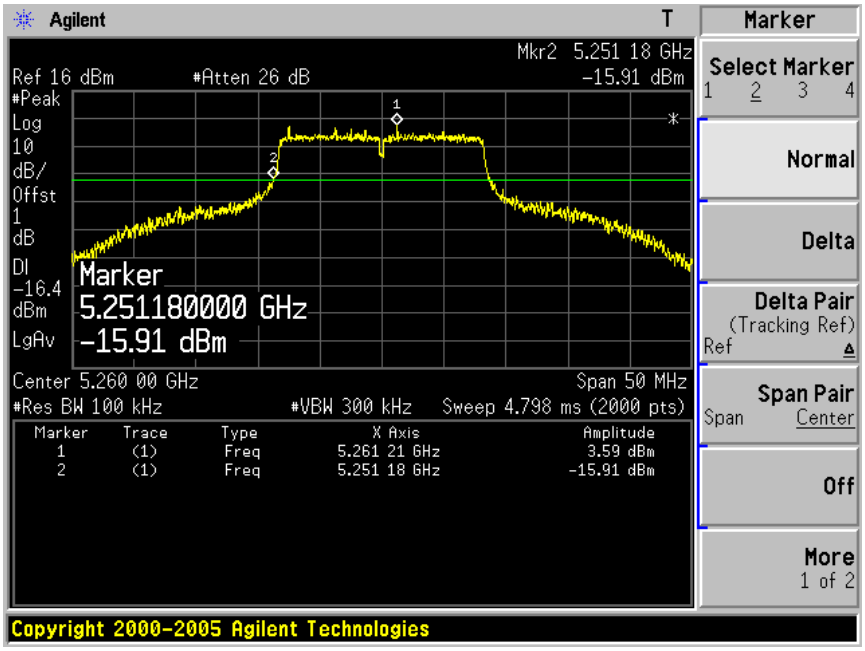
Channel 36 (5180MHz)



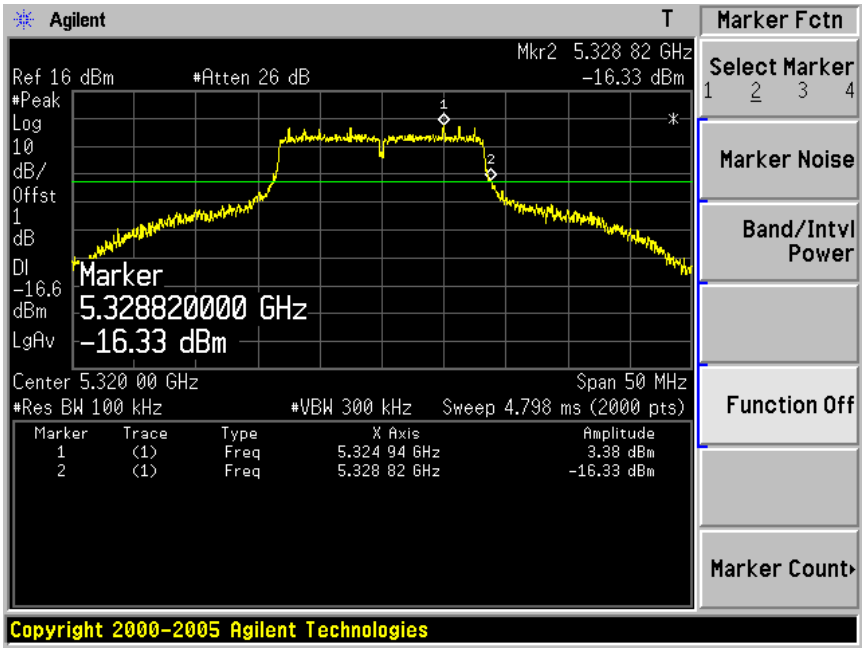
Channel 48 (5240MHz)



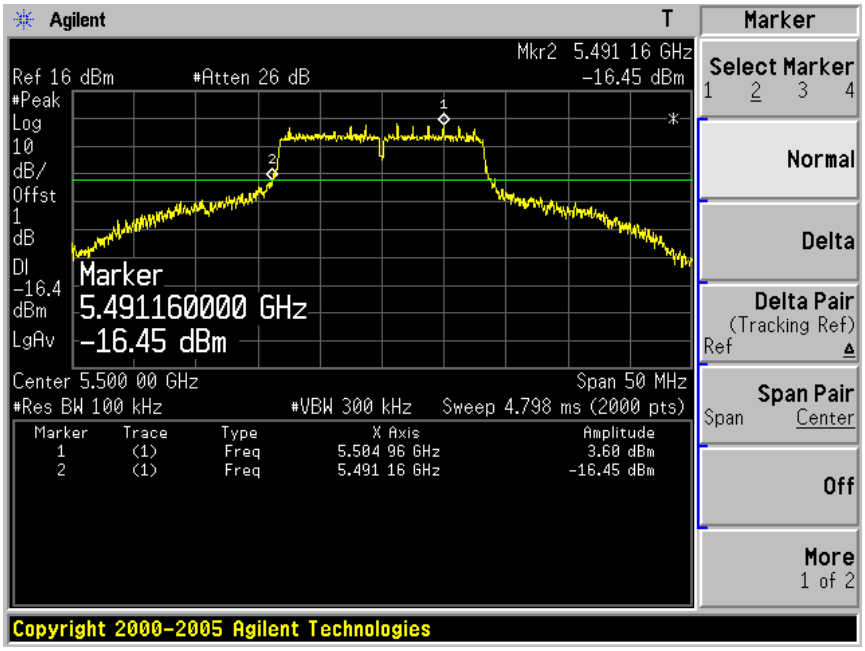
Channel 52 (5260MHz)



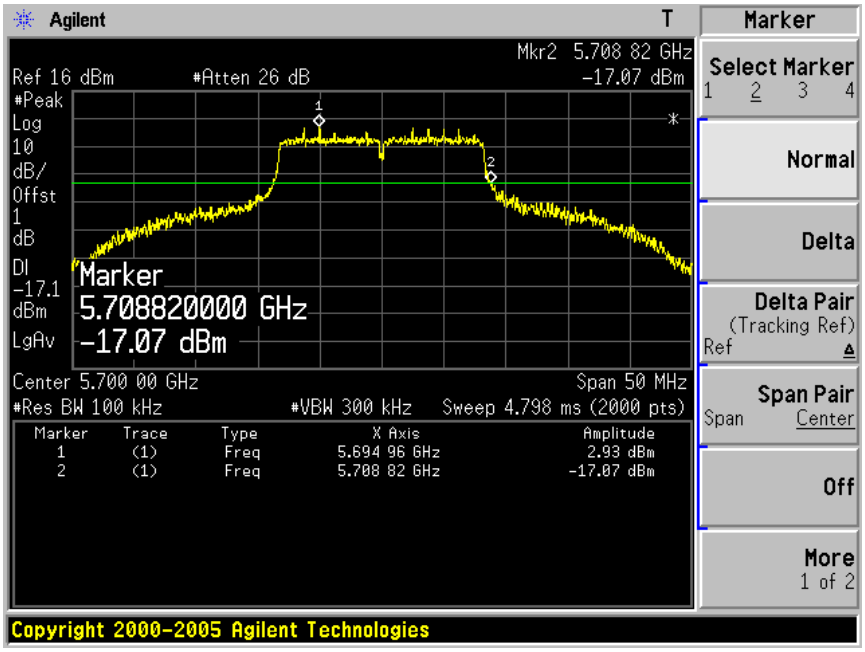
Channel 64 (5320MHz)



Channel 100 (5500MHz)

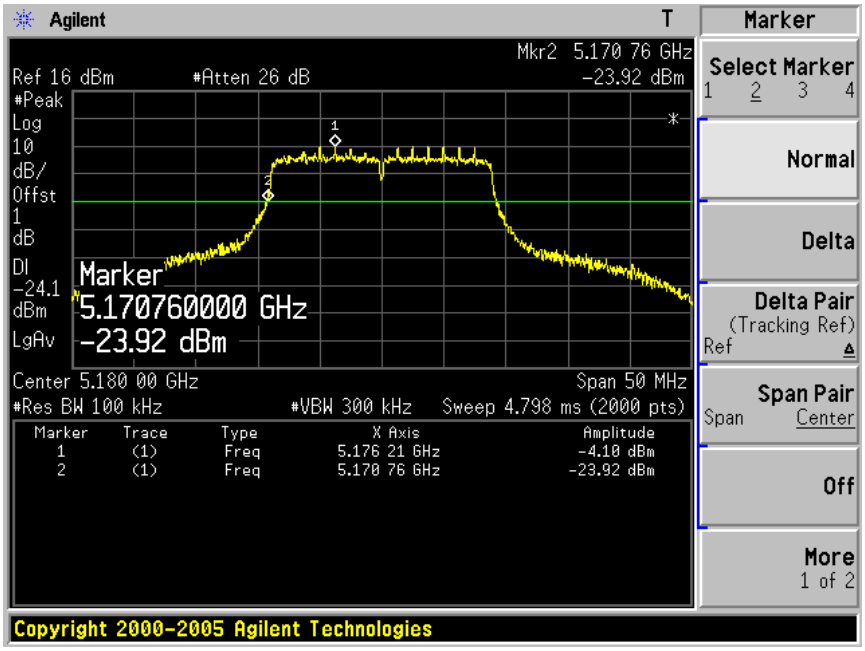


Channel 140 (5700MHz)

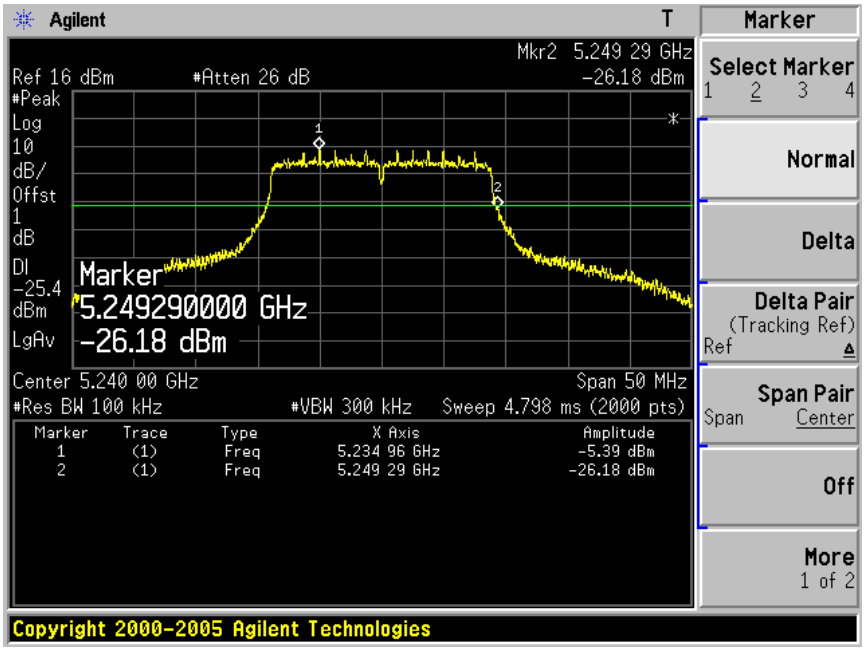


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain B)

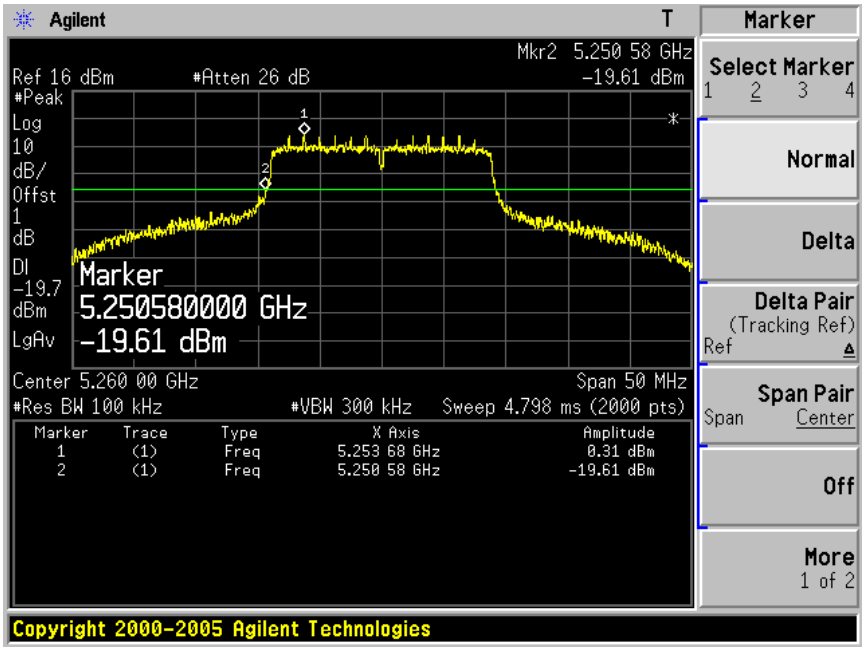
Channel 36 (5180MHz)



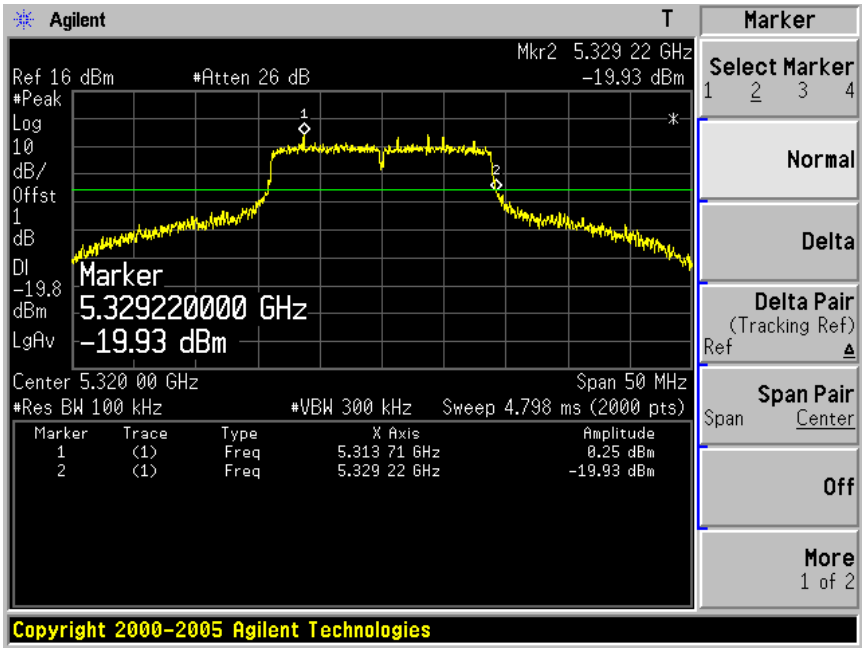
Channel 48 (5240MHz)



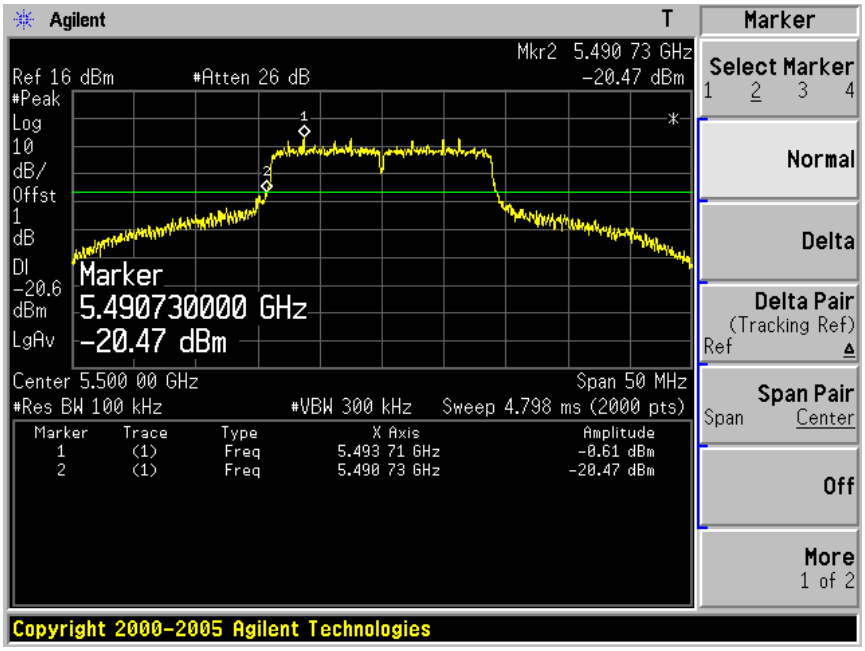
Channel 52 (5260MHz)



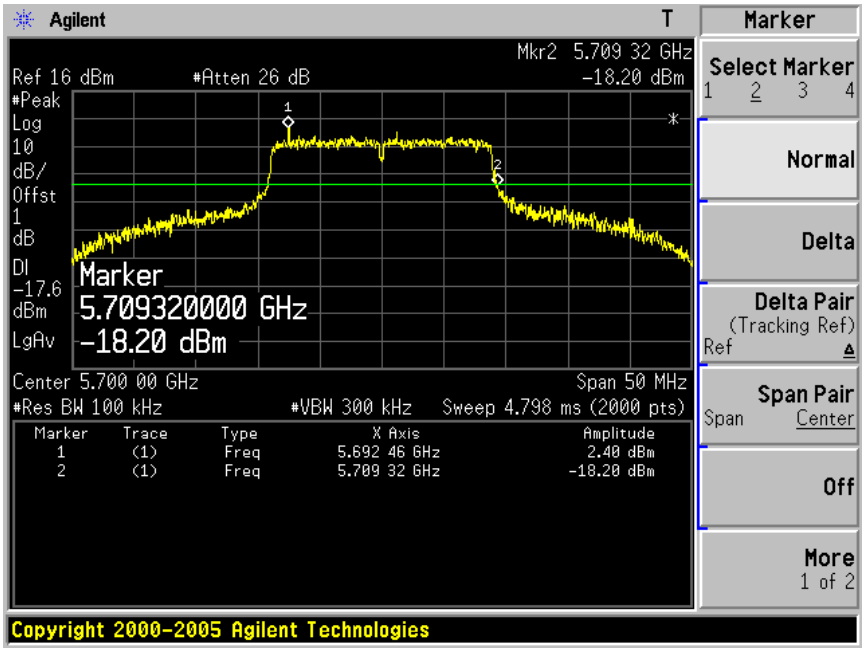
Channel 64 (5320MHz)



Channel 100 (5500MHz)

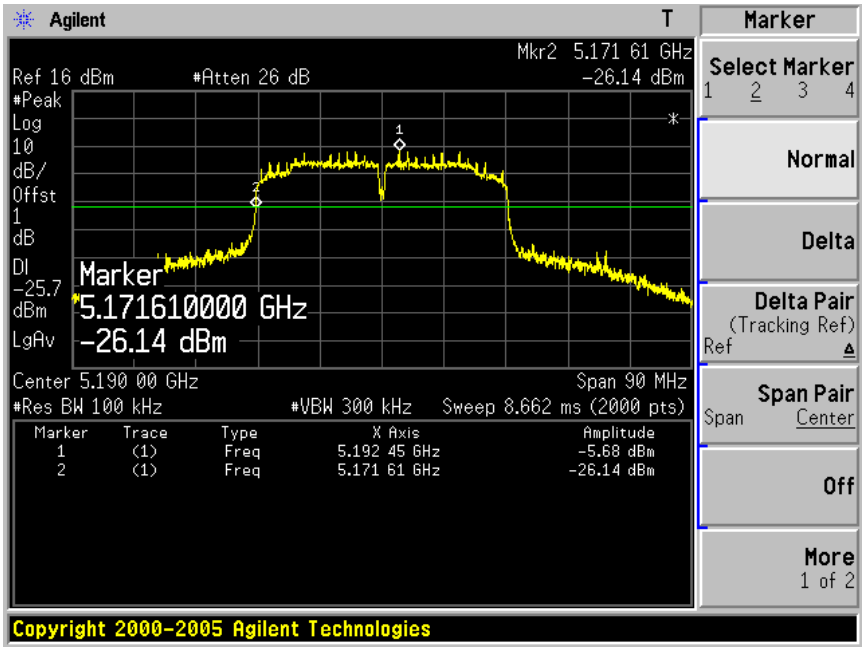


Channel 140 (5700MHz)

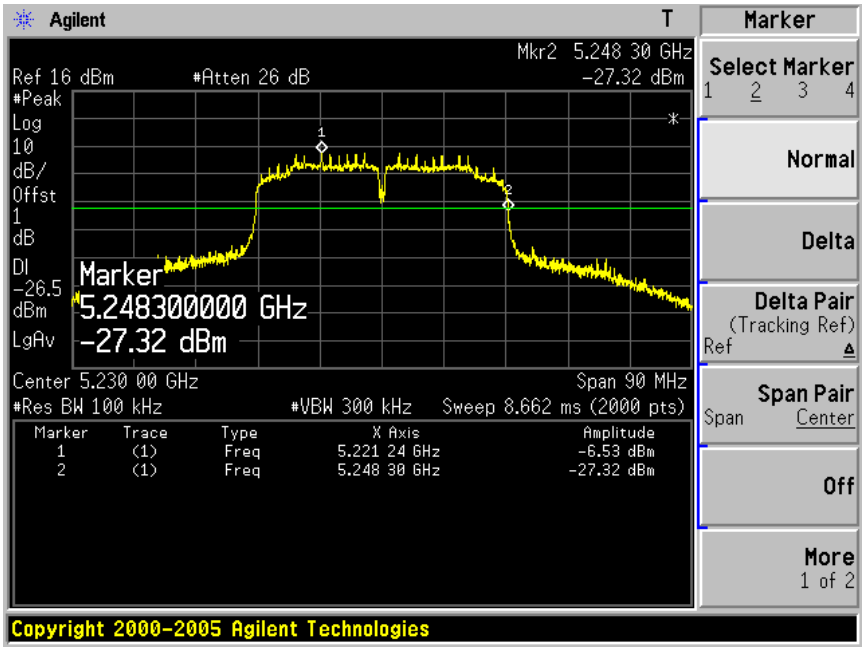


Product	:	Eee PC
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain B)

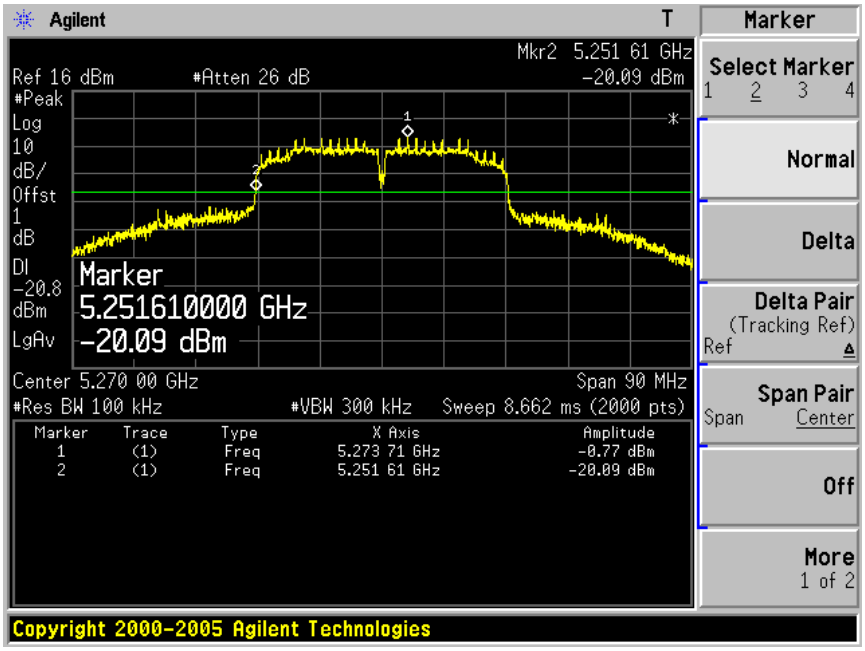
Channel 38 (5190MHz)



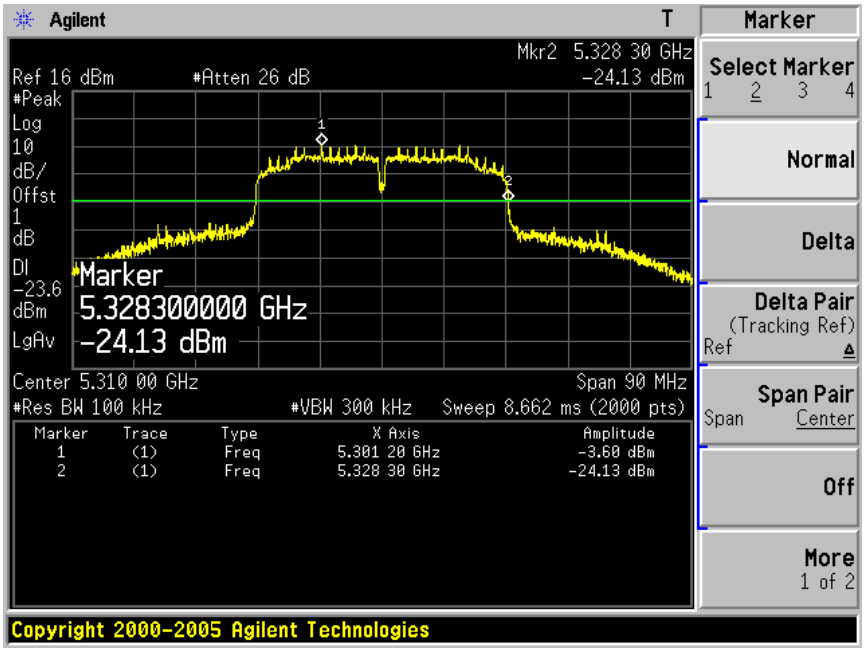
Channel 46 (5230MHz)



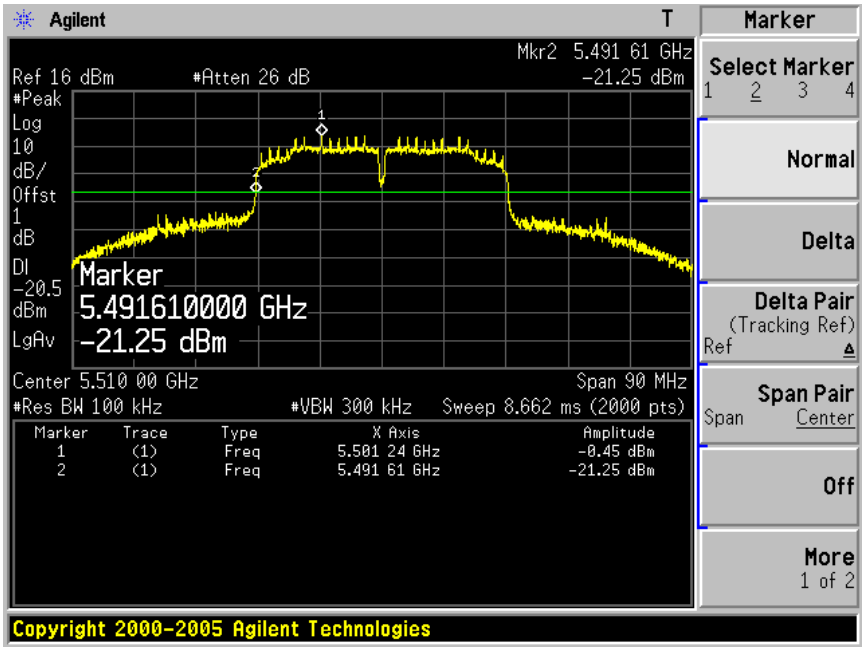
Channel 54 (5270MHz)



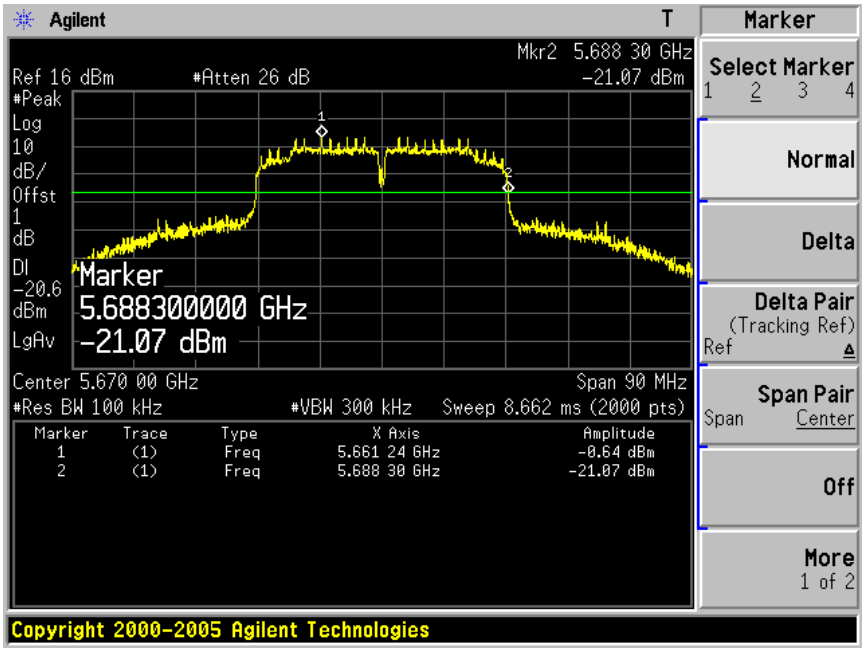
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 134 (5670MHz)



6. 26dB Occupied Bandwidth

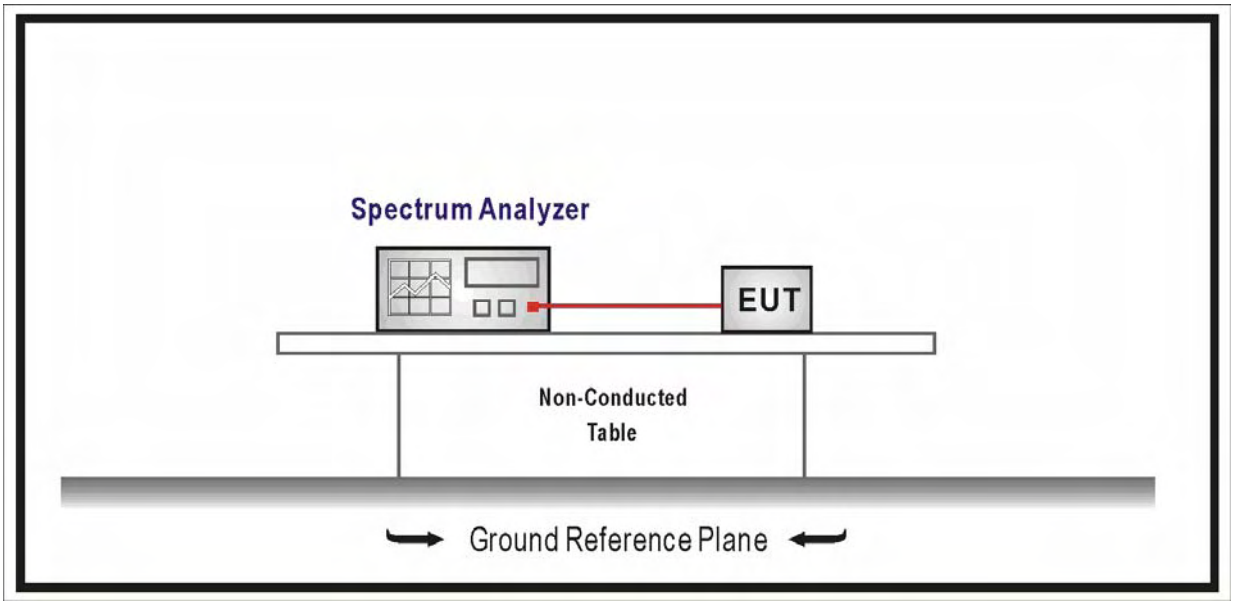
6.1. Test Equipment

26dB 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	2010.01.14

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

6.2. Test Setup



6.3. Limit

N/A

6.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 requirements.

Emission bandwidth “B” MHz.

- Use a RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW
- Use a peak detector.
- Do not use the Max Hold function. Rather, use the view button to capture the emission.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.5. Uncertainty

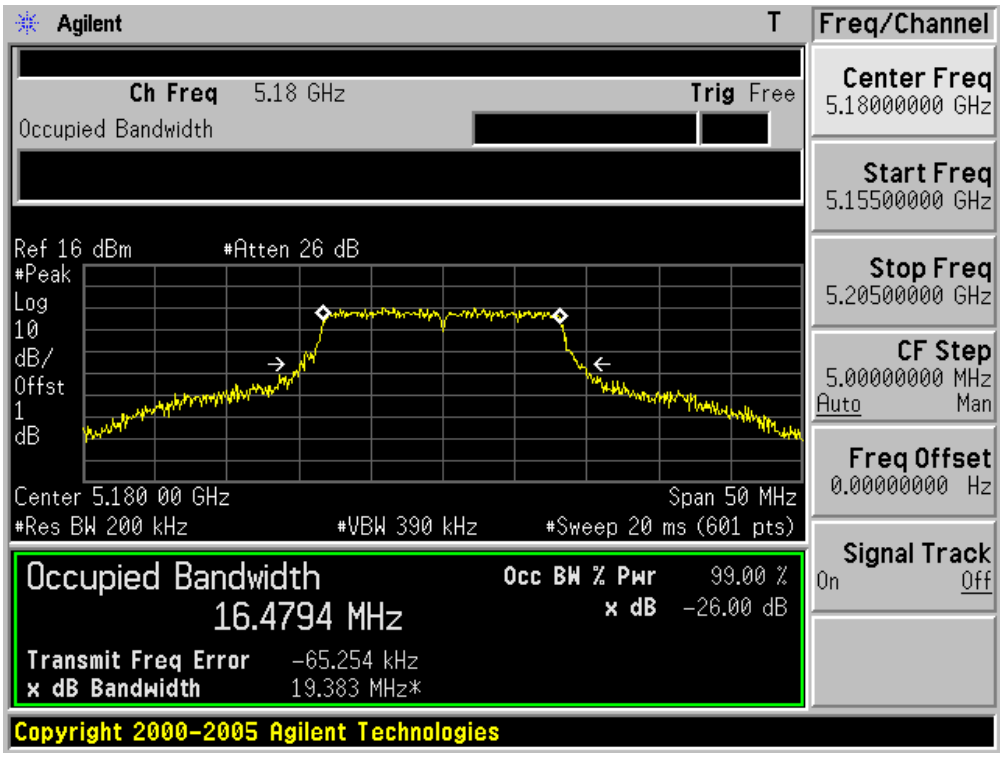
The measurement uncertainty is defined as ± 1 kHz

6.6. Test Result

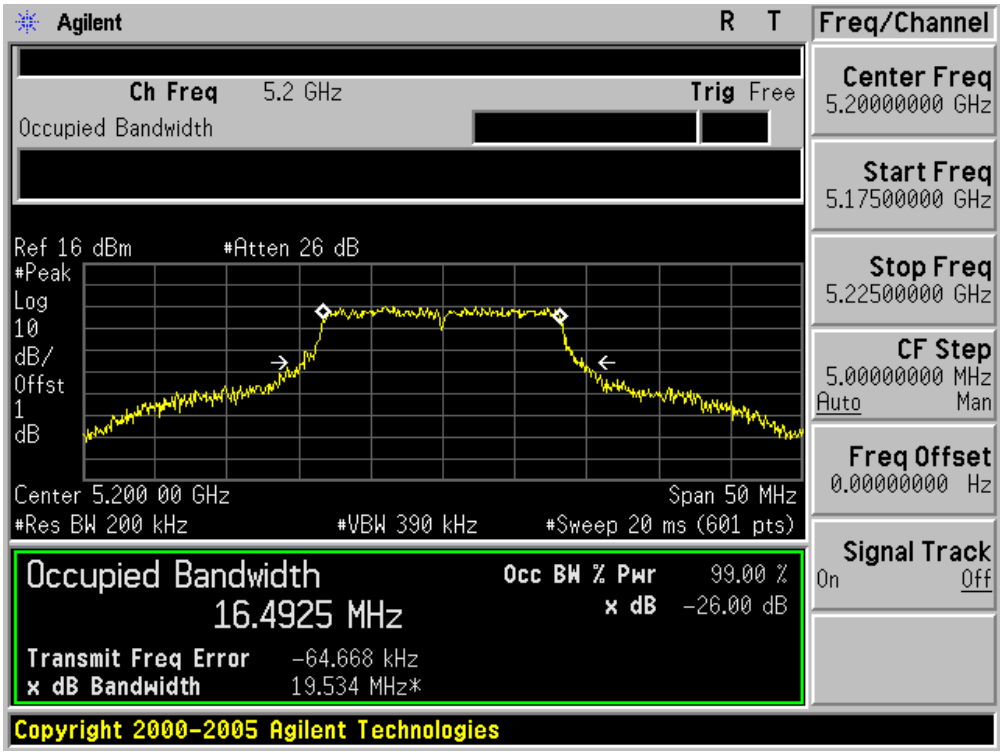
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain A)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
36	5180	19.38	N/A
40	5200	19.53	N/A
48	5240	19.63	N/A
52	5260	27.70	N/A
60	5300	23.53	N/A
64	5320	24.78	N/A
100	5500	20.66	N/A
120	5600	24.13	N/A
140	5700	22.64	N/A

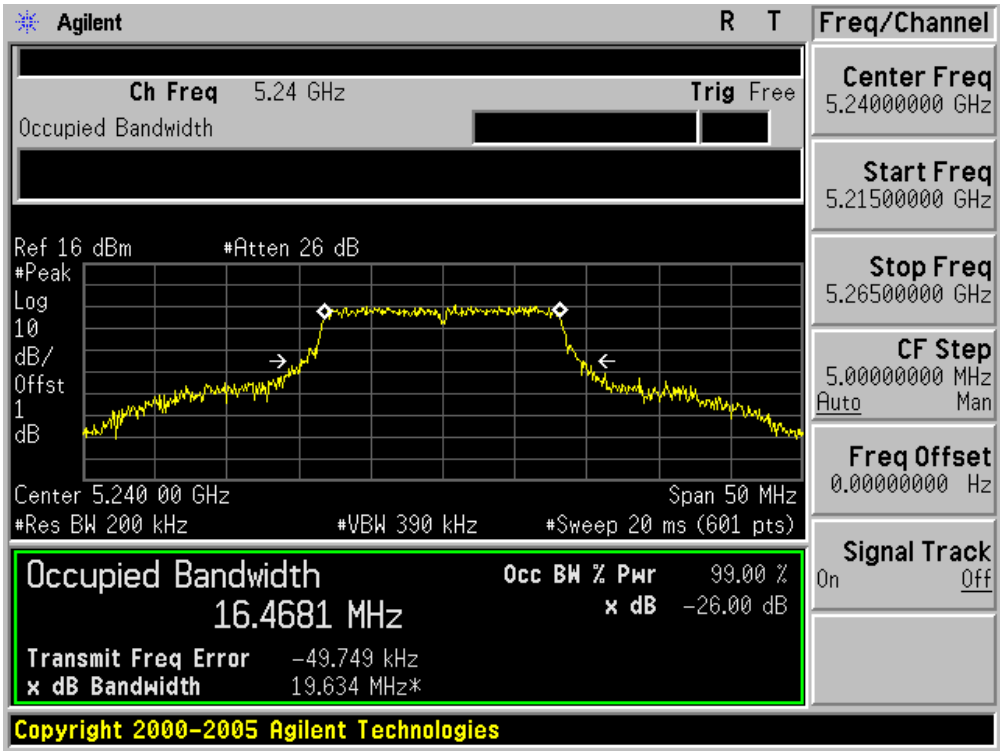
Channel 36 (5180MHz)



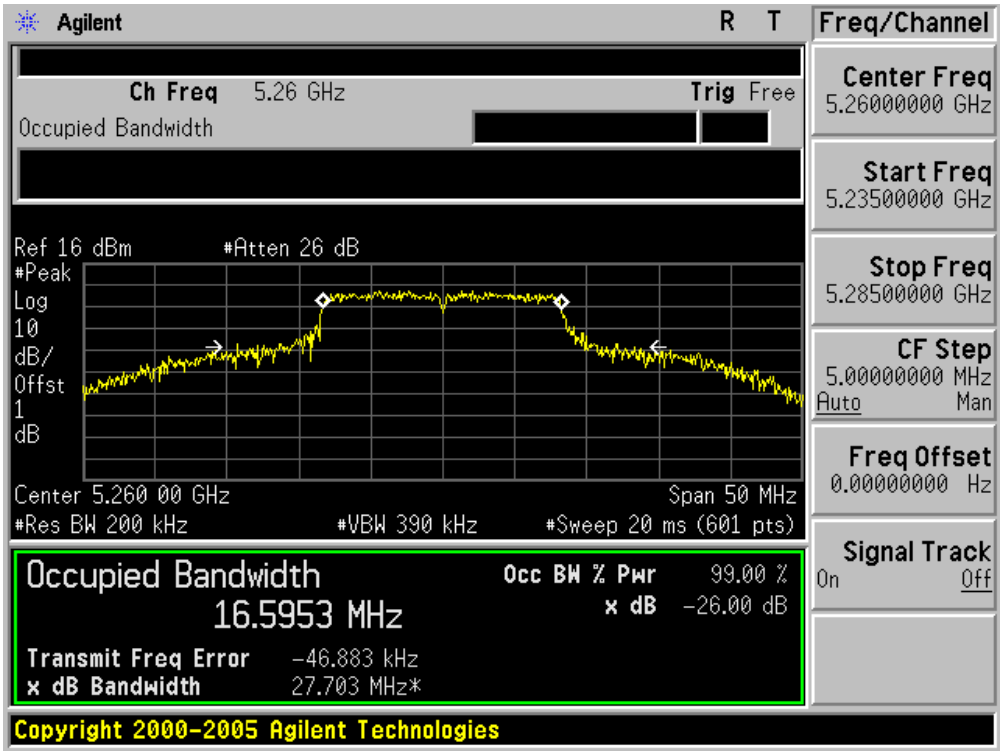
Channel 40 (5200MHz)



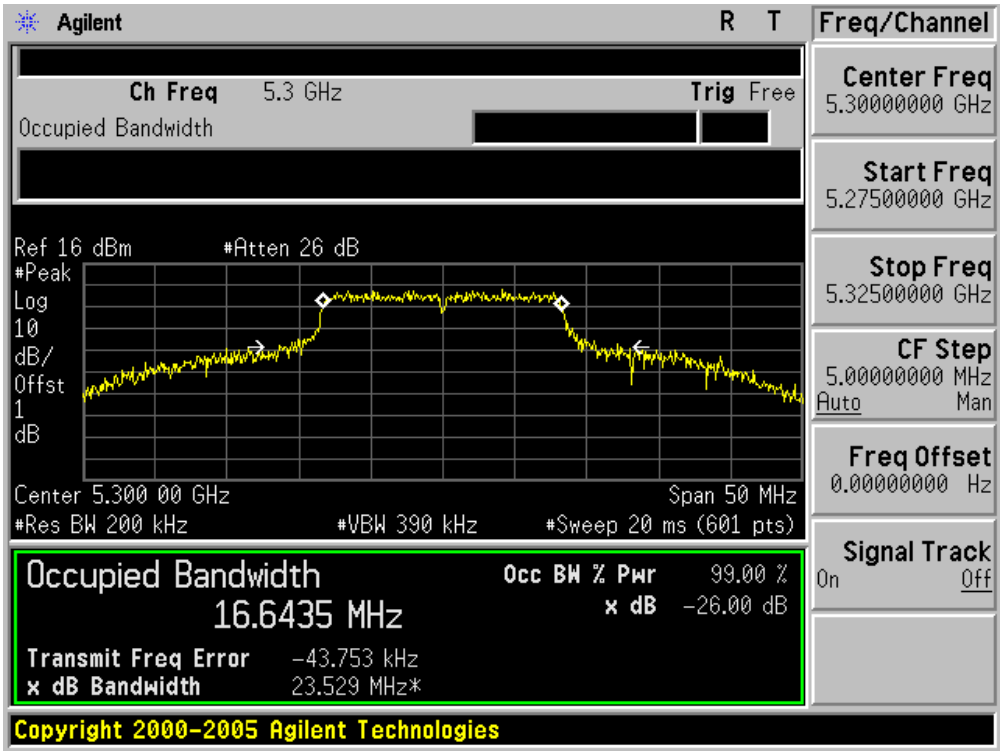
Channel 48 (5240MHz)



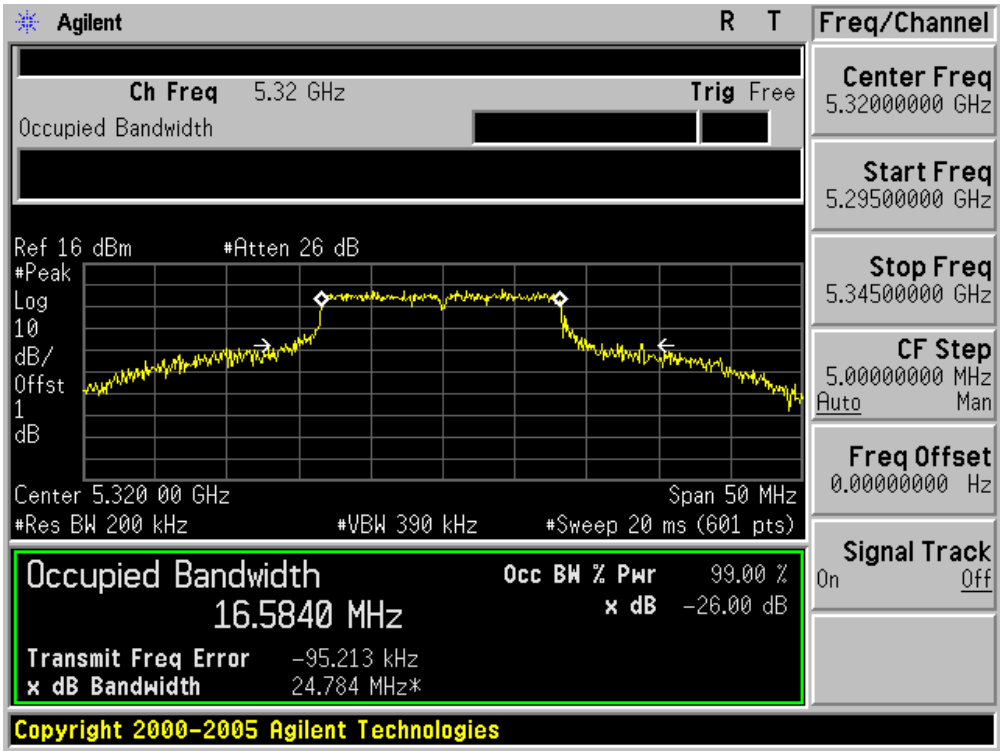
Channel 48 (5260MHz)



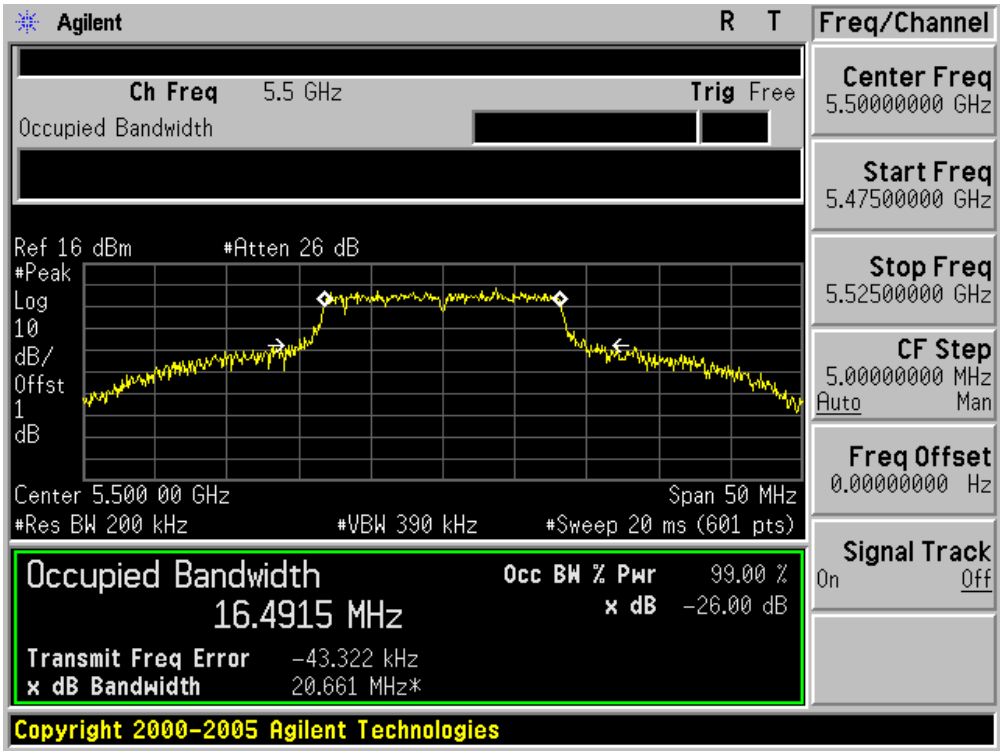
Channel 60 (5300MHz)



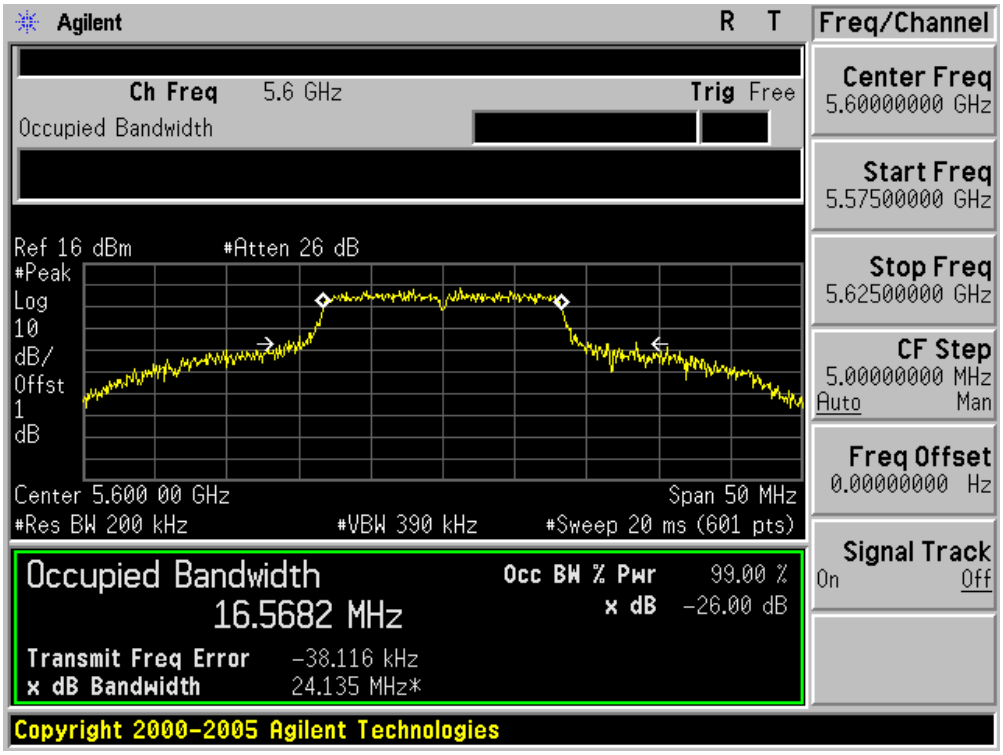
Channel 64 (5320MHz)



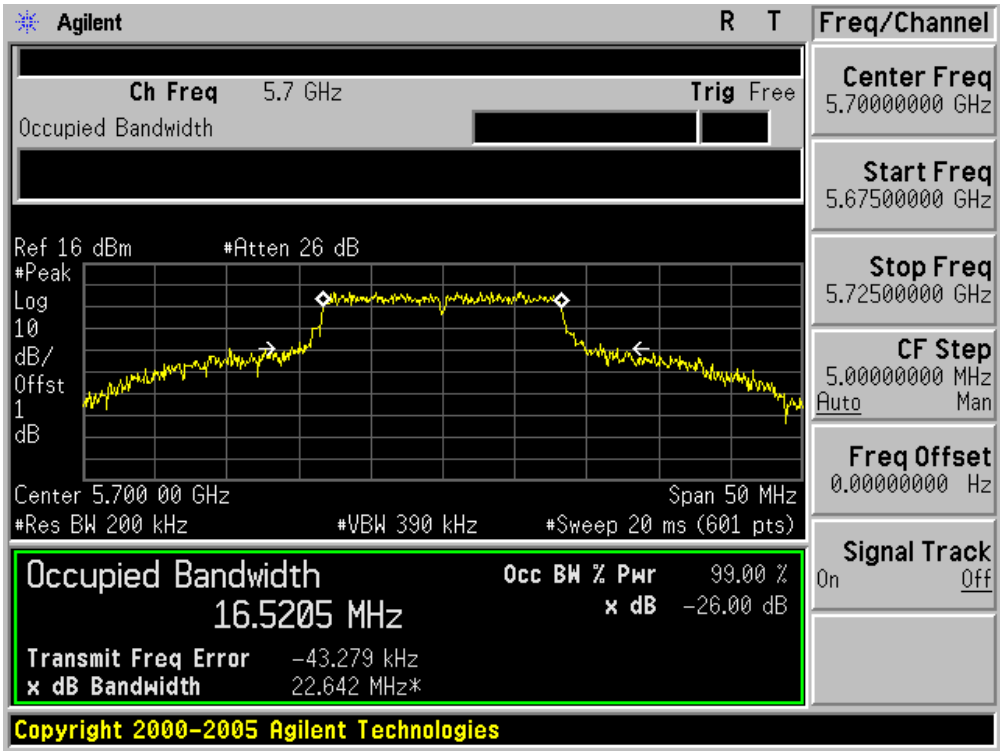
Channel 100 (5500MHz)



Channel 120 (5600MHz)



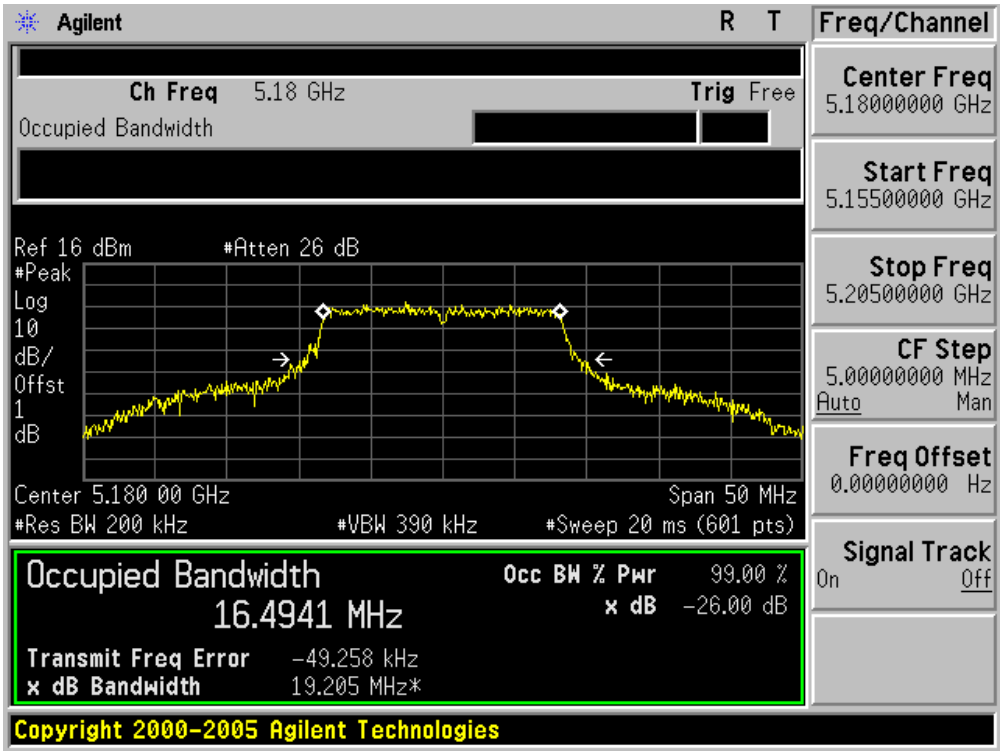
Channel 140 (5700MHz)



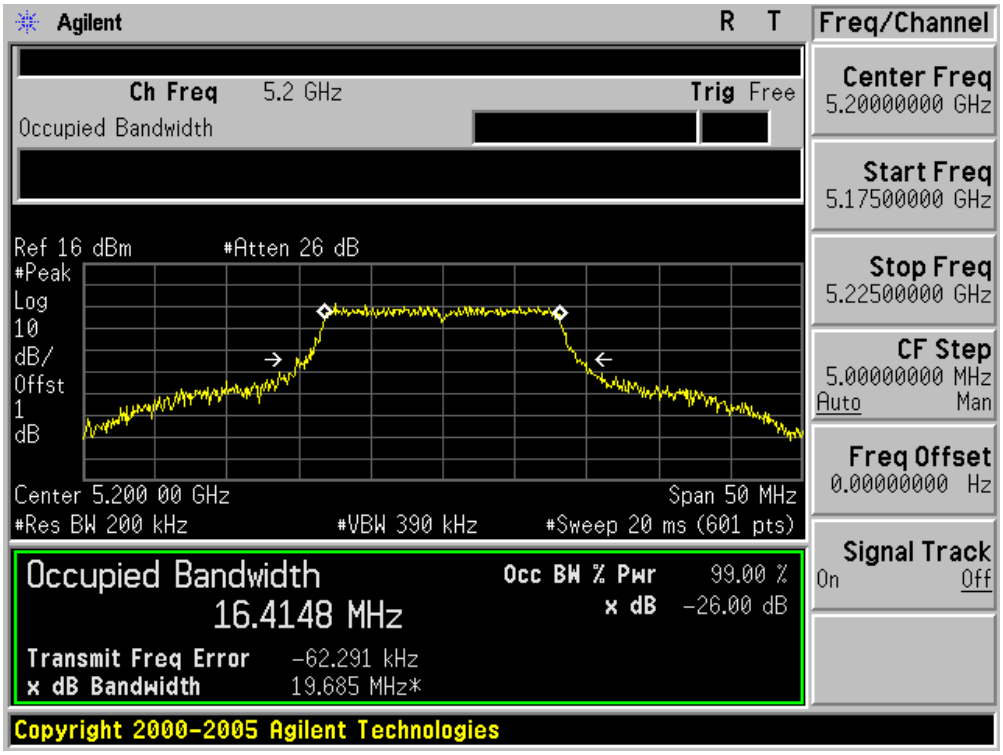
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain B)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
36	5180	19.20	N/A
40	5200	19.68	N/A
48	5240	19.46	N/A
52	5260	21.79	N/A
60	5300	20.96	N/A
64	5320	20.15	N/A
100	5500	27.18	N/A
120	5600	22.91	N/A
140	5700	21.69	N/A

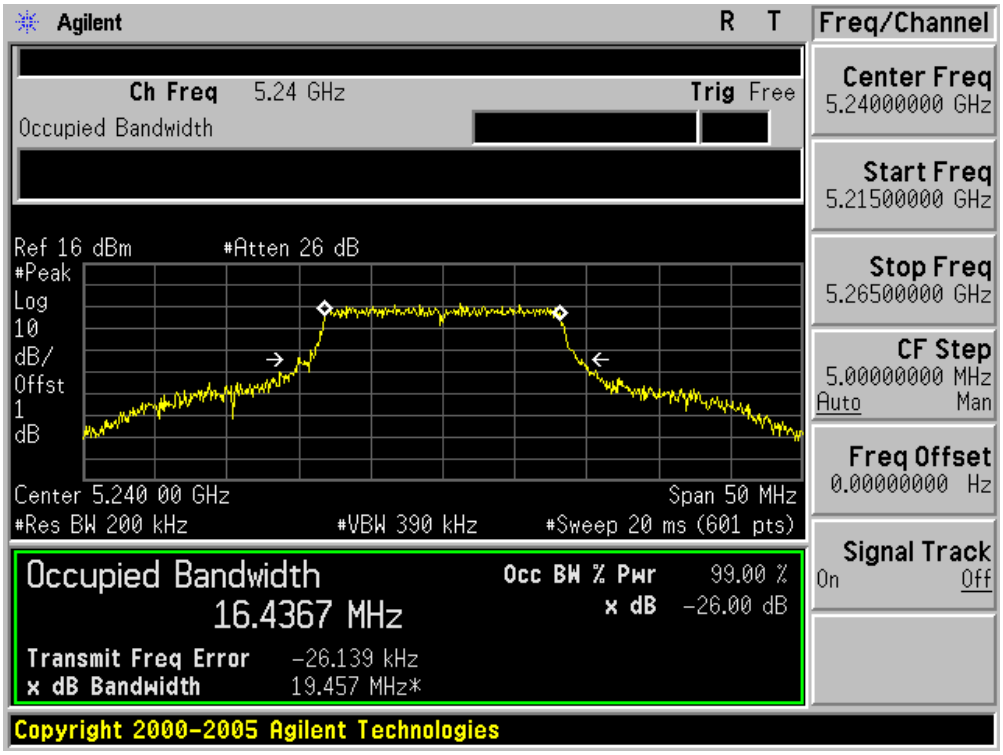
Channel 36 (5180MHz)



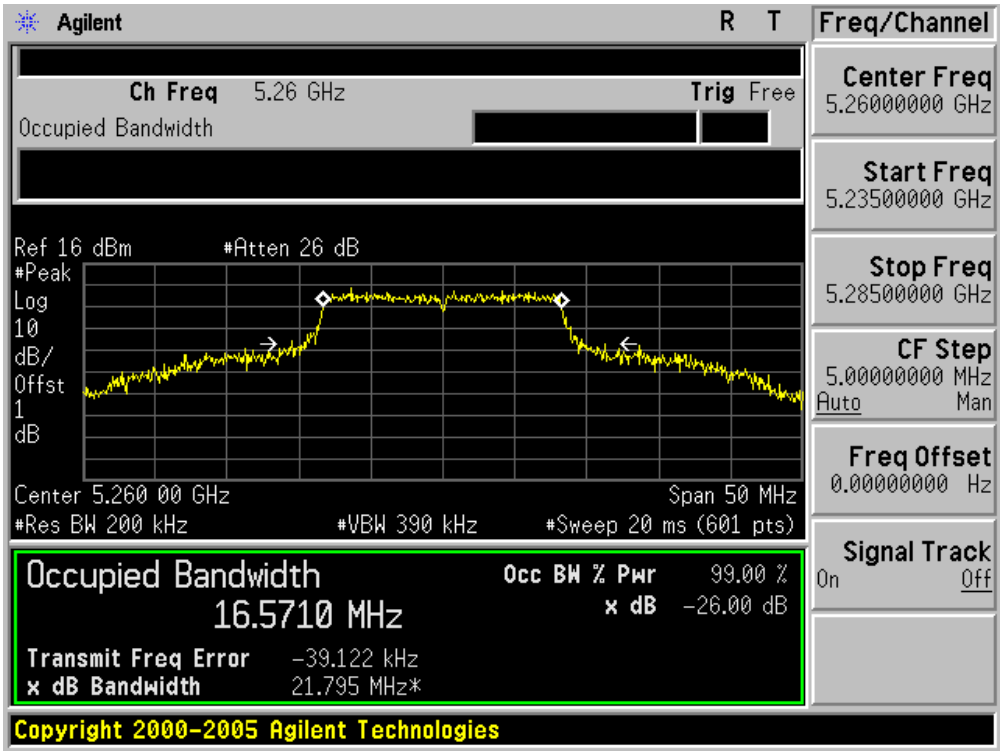
Channel 40 (5200MHz)



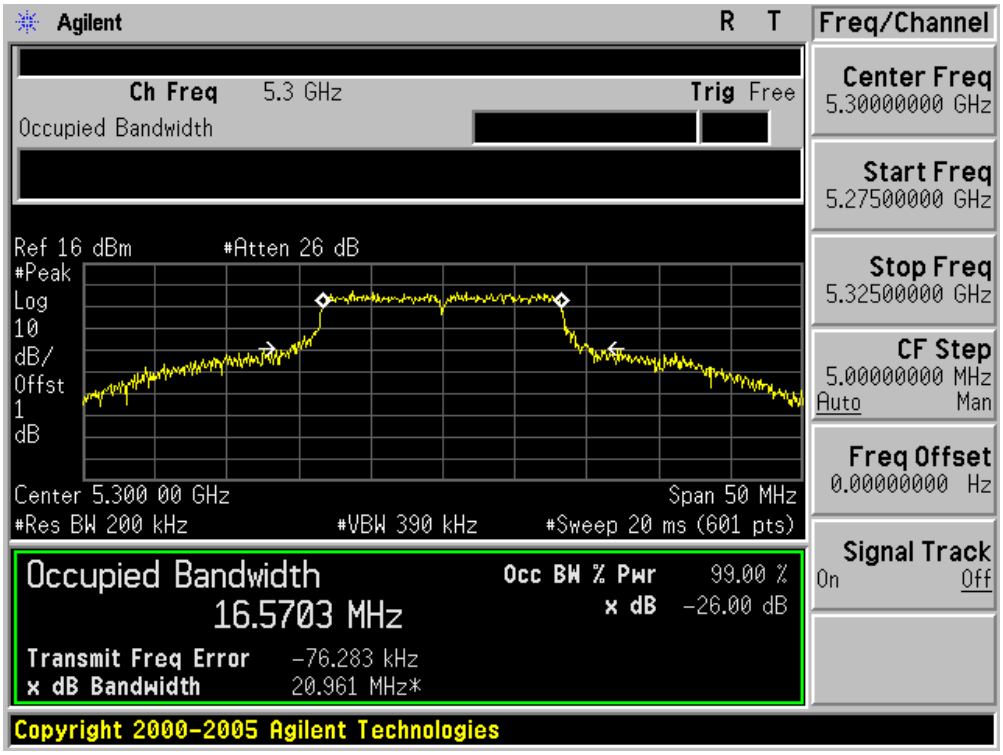
Channel 48 (5240MHz)



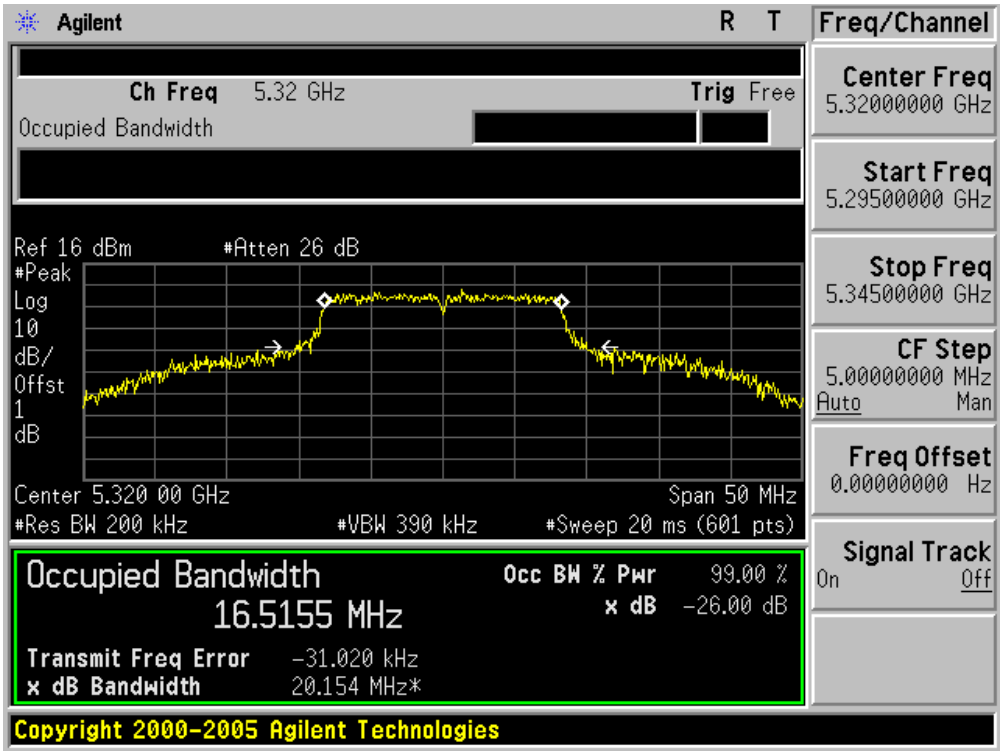
Channel 48 (5260MHz)



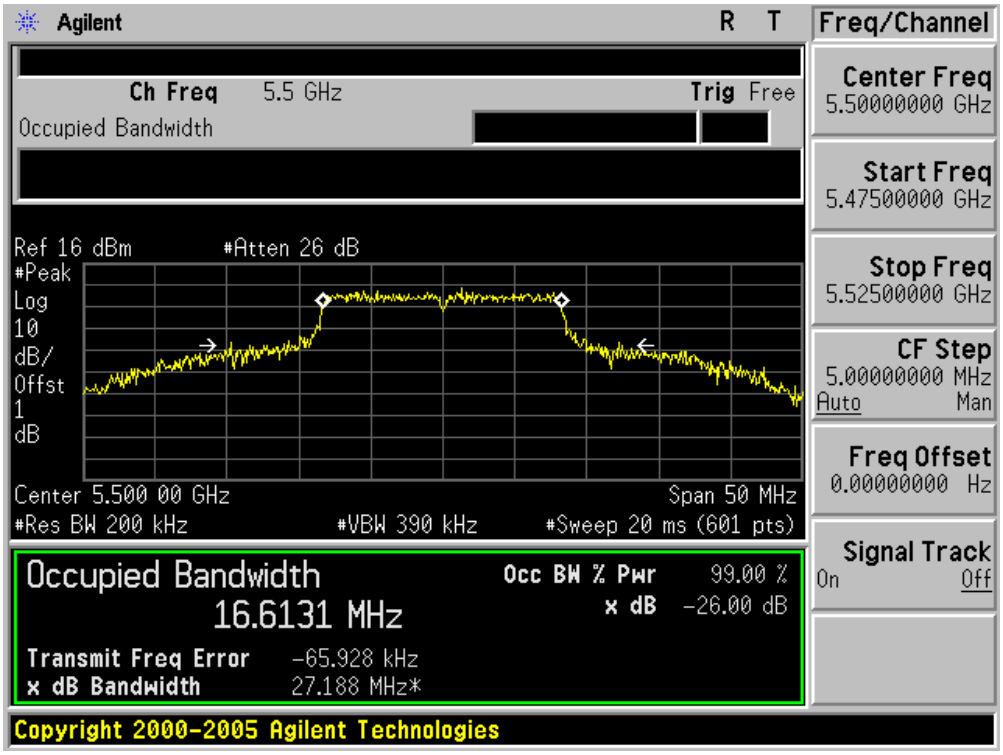
Channel 60 (5300MHz)



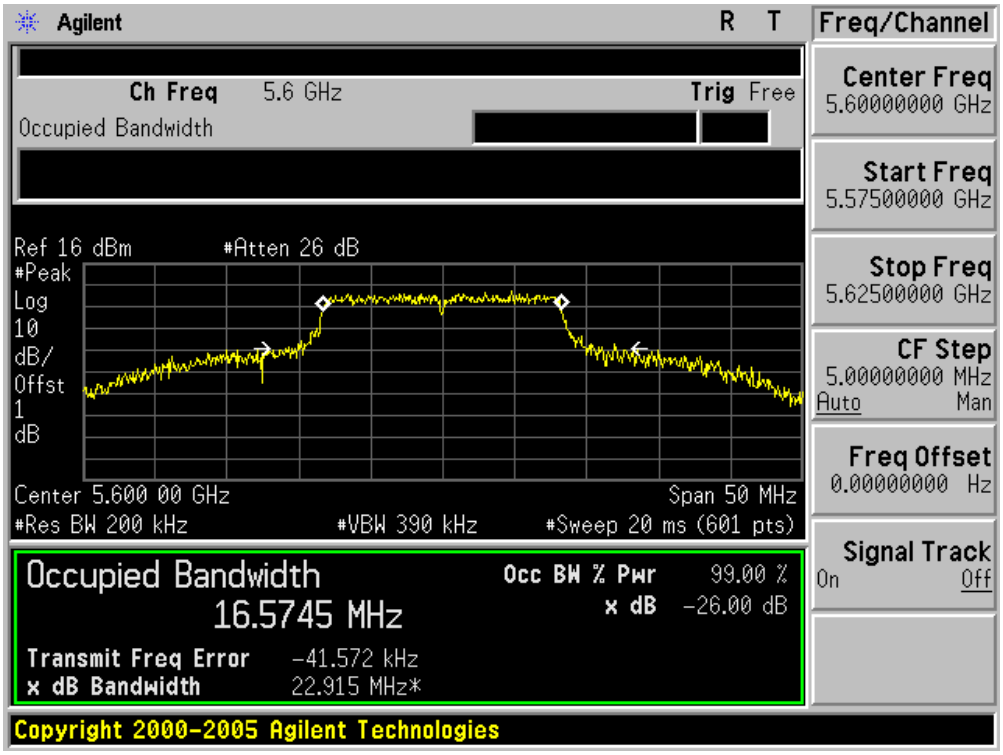
Channel 64 (5320MHz)



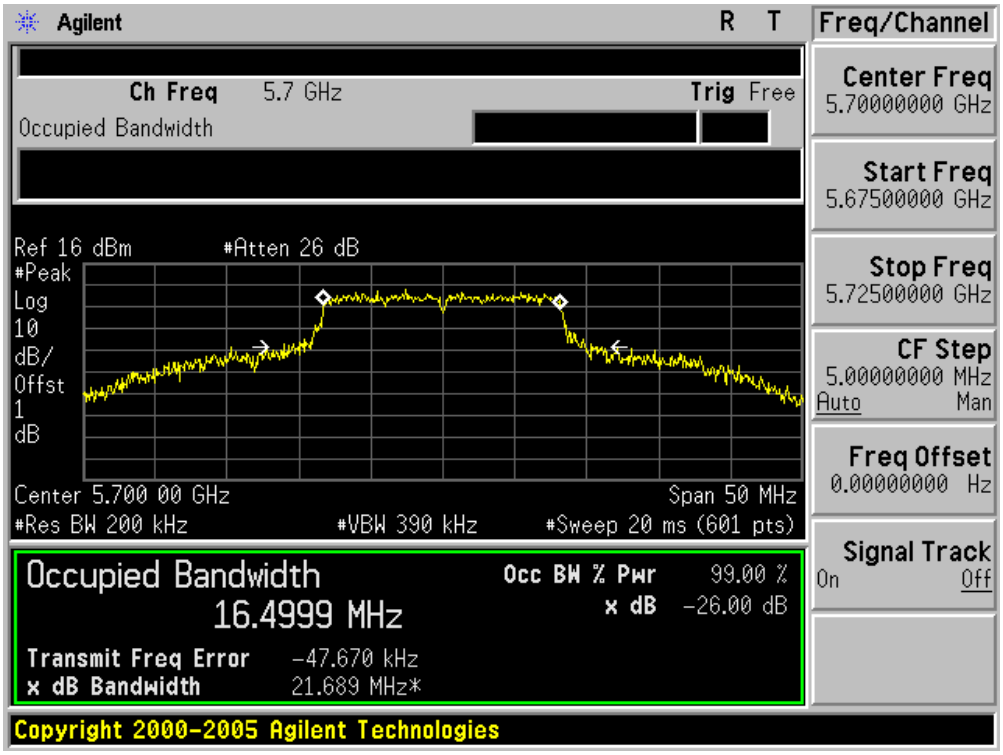
Channel 100 (5500MHz)



Channel 120 (5600MHz)



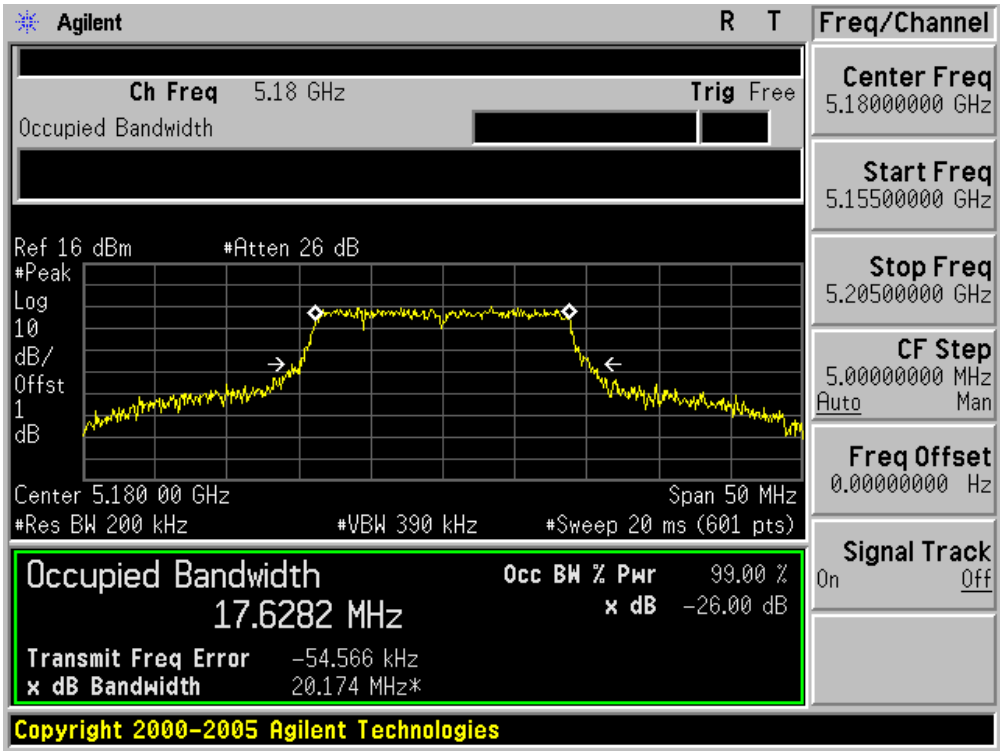
Channel 140 (5700MHz)



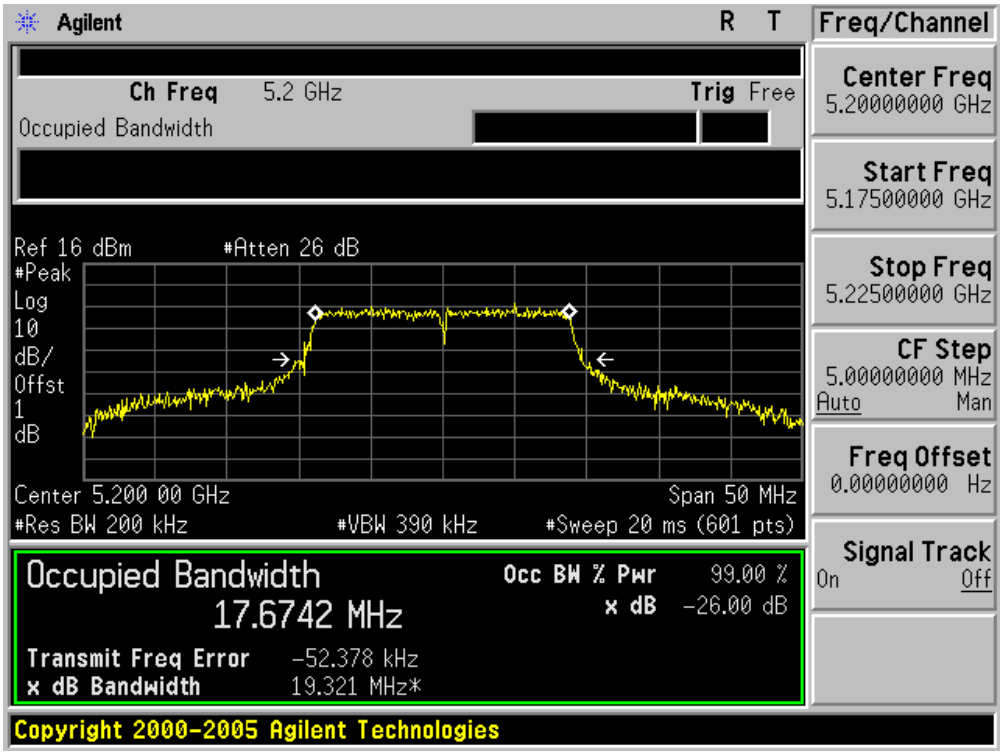
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain A)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
36	5180	20.17	N/A
40	5200	19.32	N/A
48	5240	20.57	N/A
52	5260	25.87	N/A
60	5300	24.07	N/A
64	5320	28.57	N/A
100	5500	21.45	N/A
120	5600	21.15	N/A
140	5700	23.79	N/A

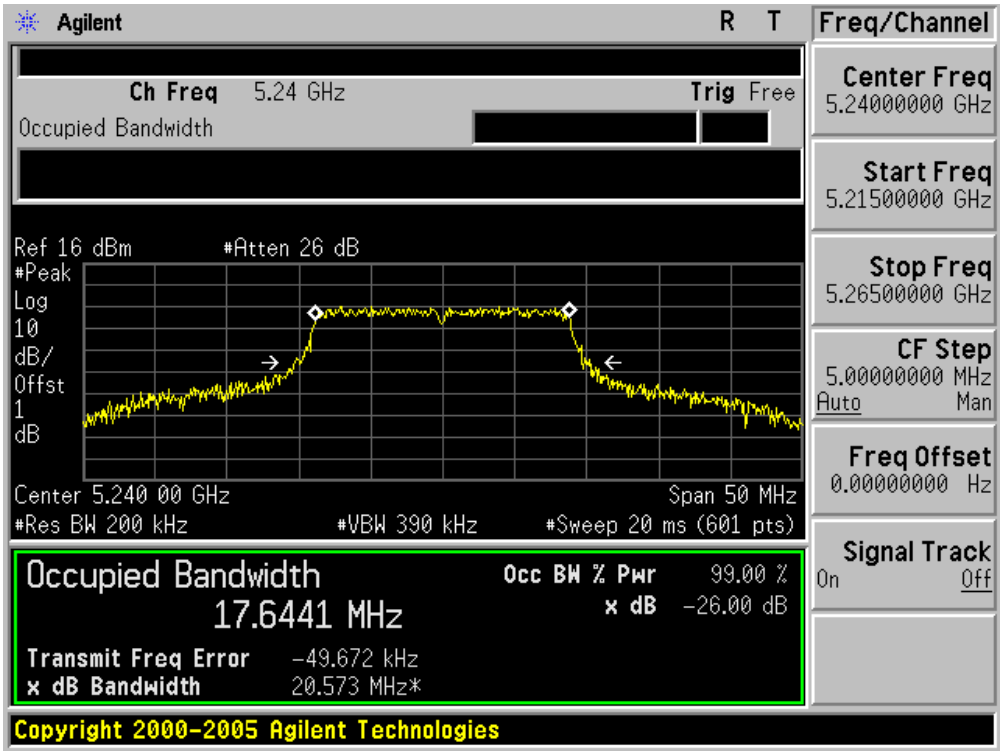
Channel 36 (5180MHz)



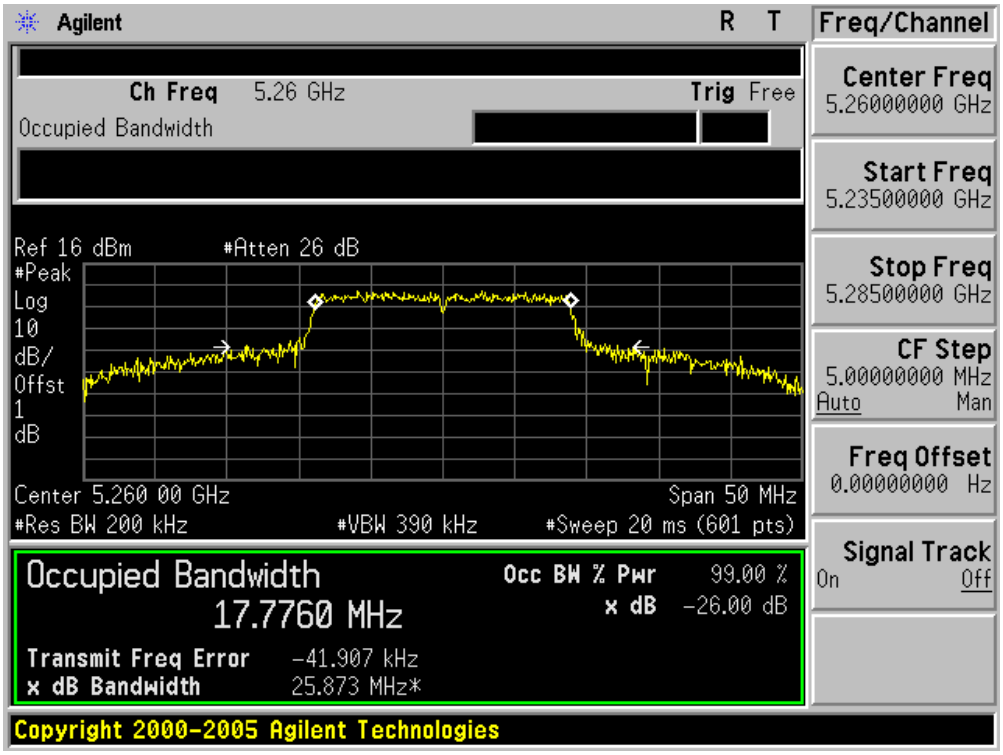
Channel 40 (5200MHz)



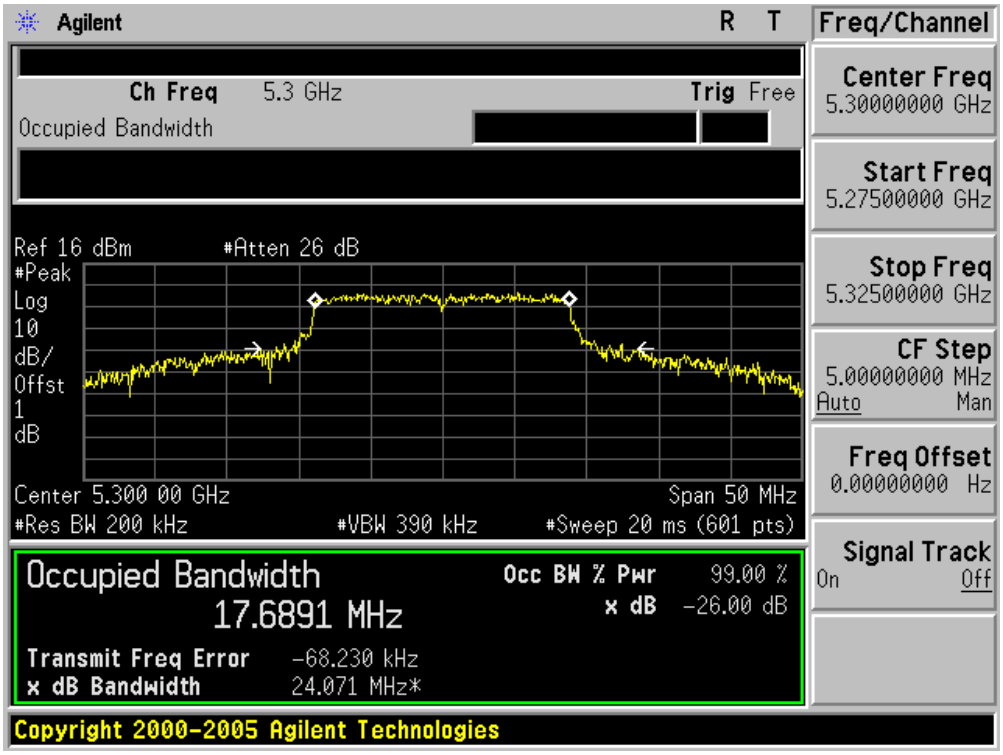
Channel 48 (5240MHz)



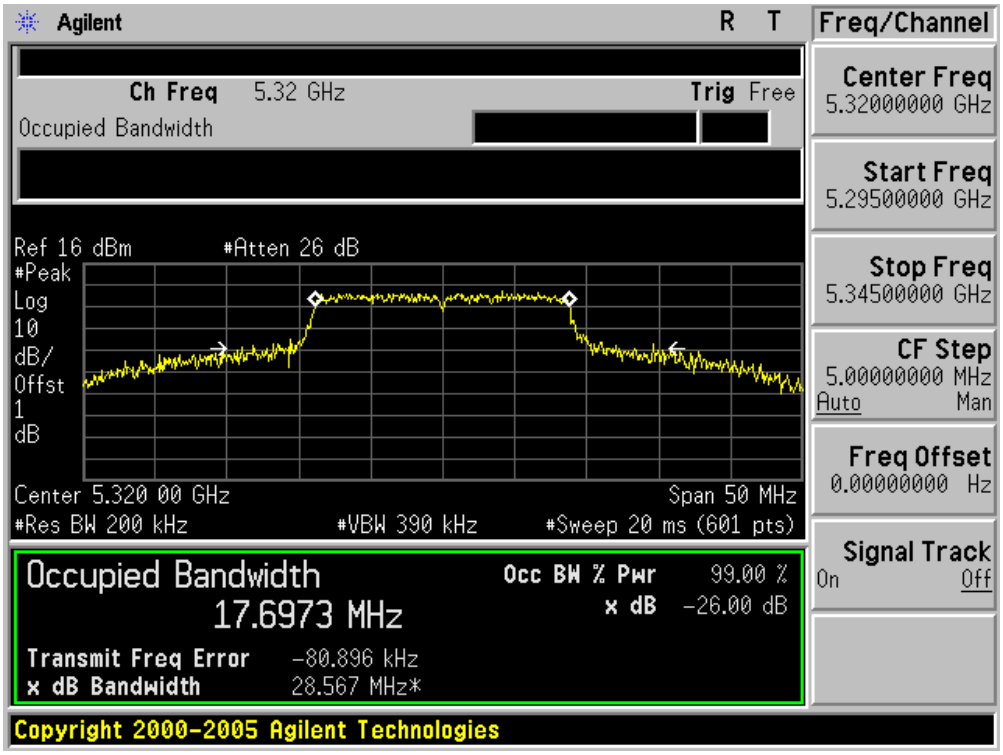
Channel 48 (5260MHz)



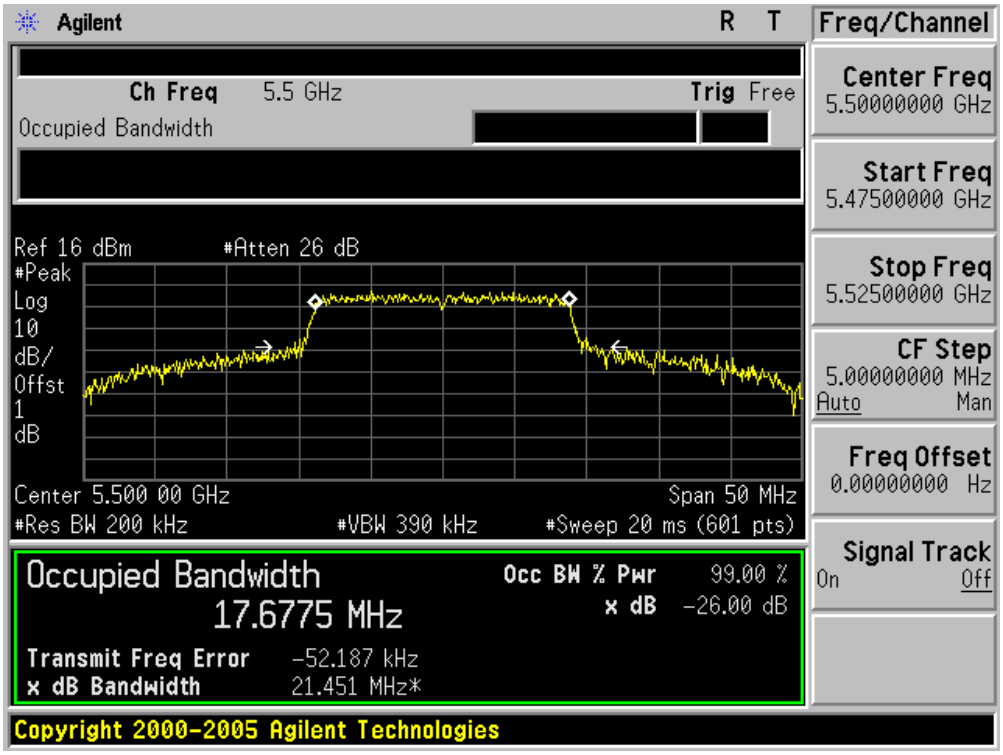
Channel 60 (5300MHz)



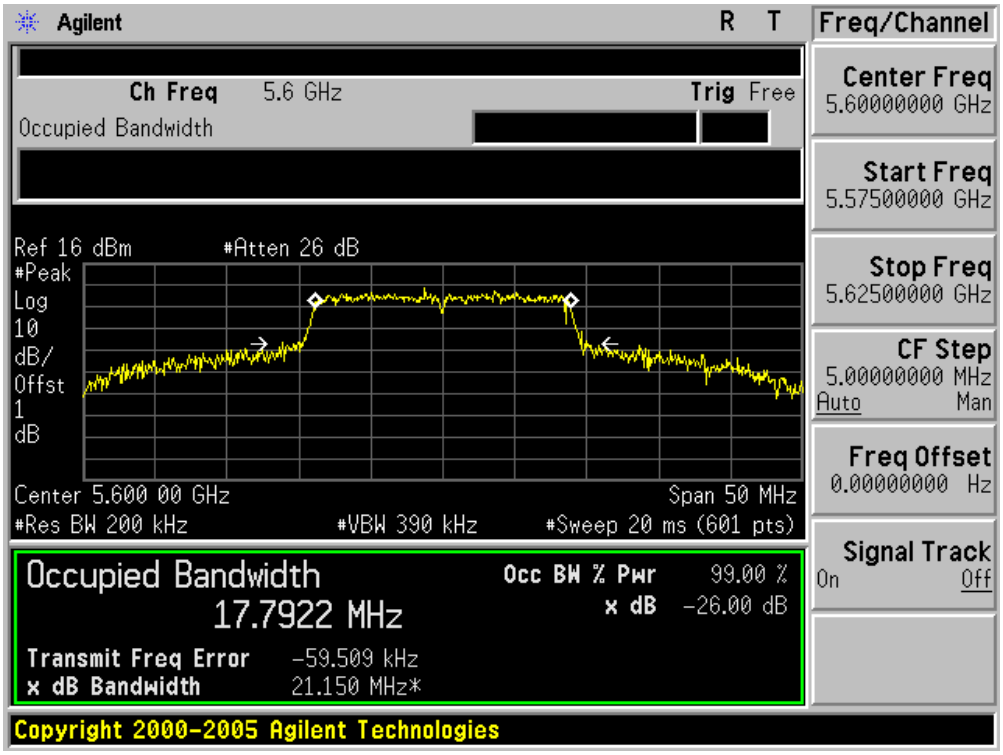
Channel 64 (5320MHz)



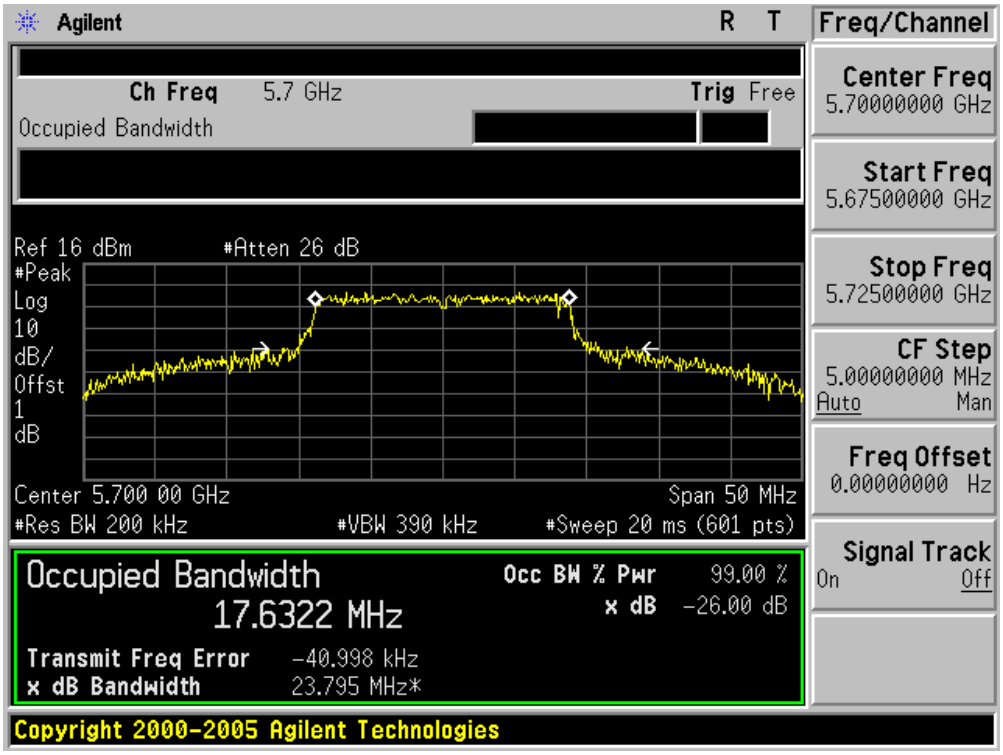
Channel 100 (5500MHz)



Channel 120 (5600MHz)



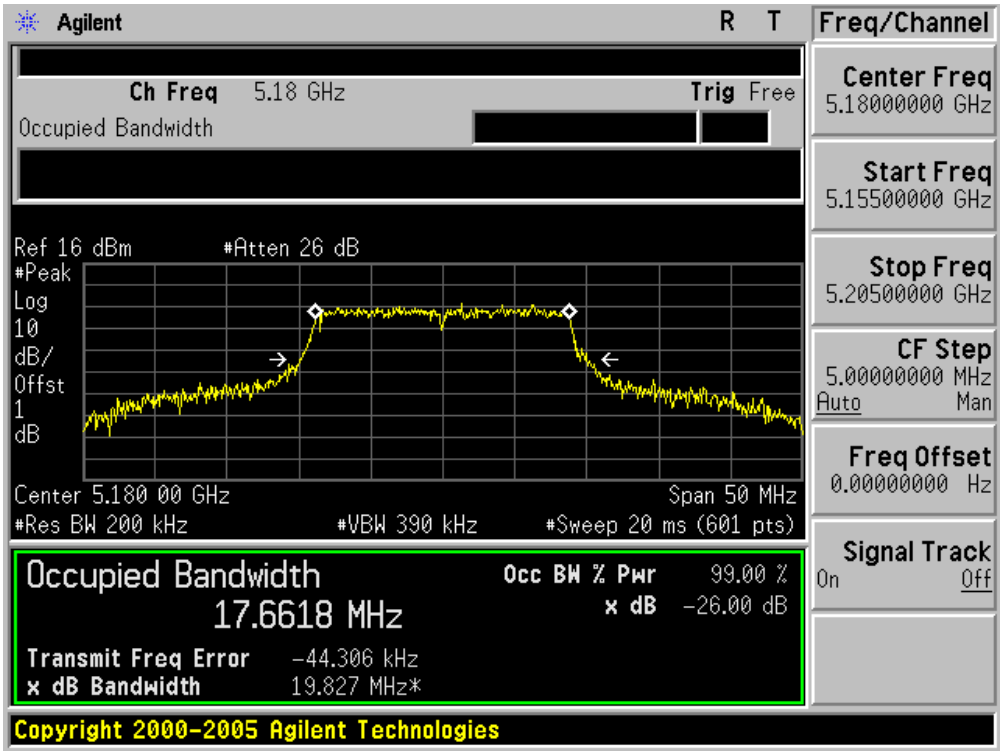
Channel 140 (5700MHz)



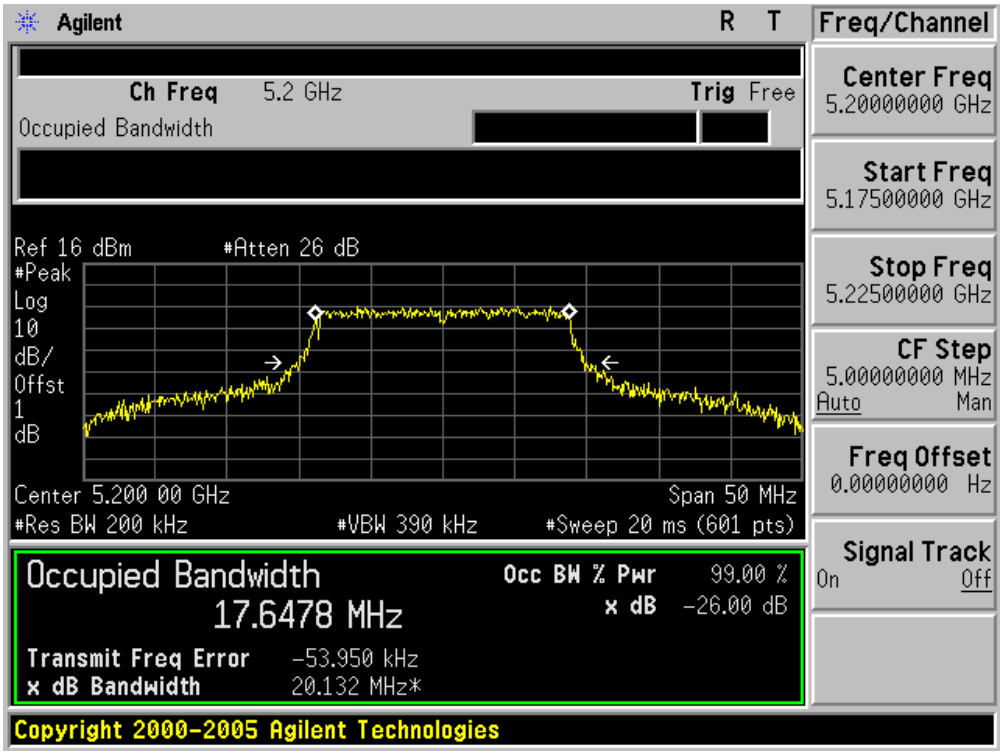
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain B)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
36	5180	19.83	N/A
40	5200	20.13	N/A
48	5240	19.80	N/A
52	5260	21.72	N/A
60	5300	21.53	N/A
64	5320	21.08	N/A
100	5500	28.01	N/A
120	5600	21.62	N/A
140	5700	20.76	N/A

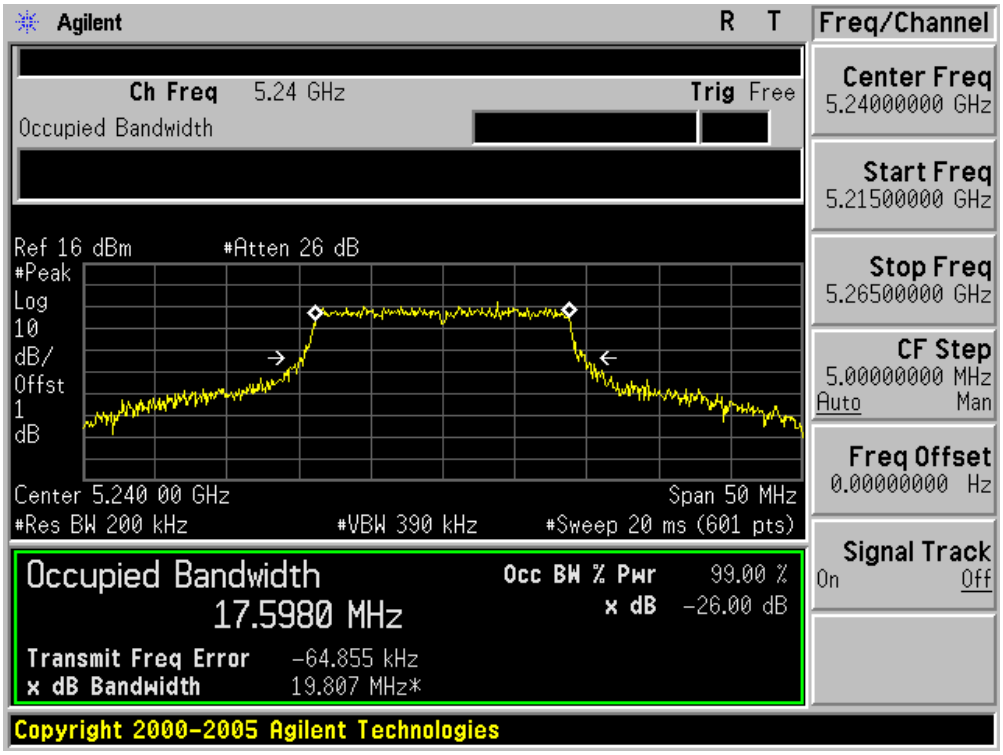
Channel 36 (5180MHz)



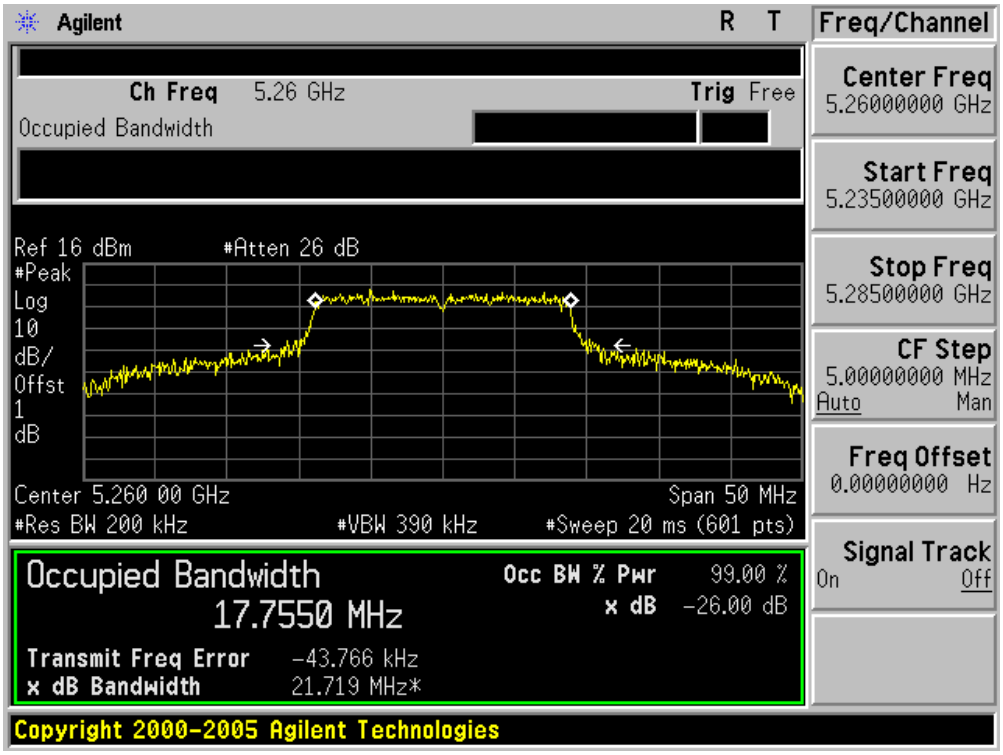
Channel 40 (5200MHz)



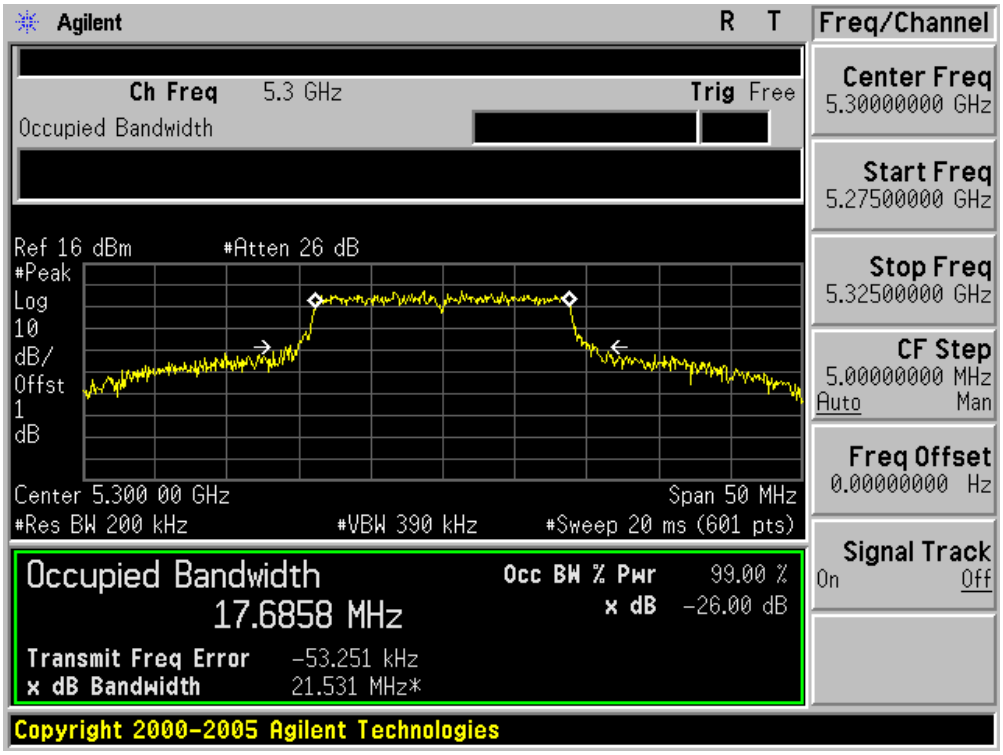
Channel 48 (5240MHz)



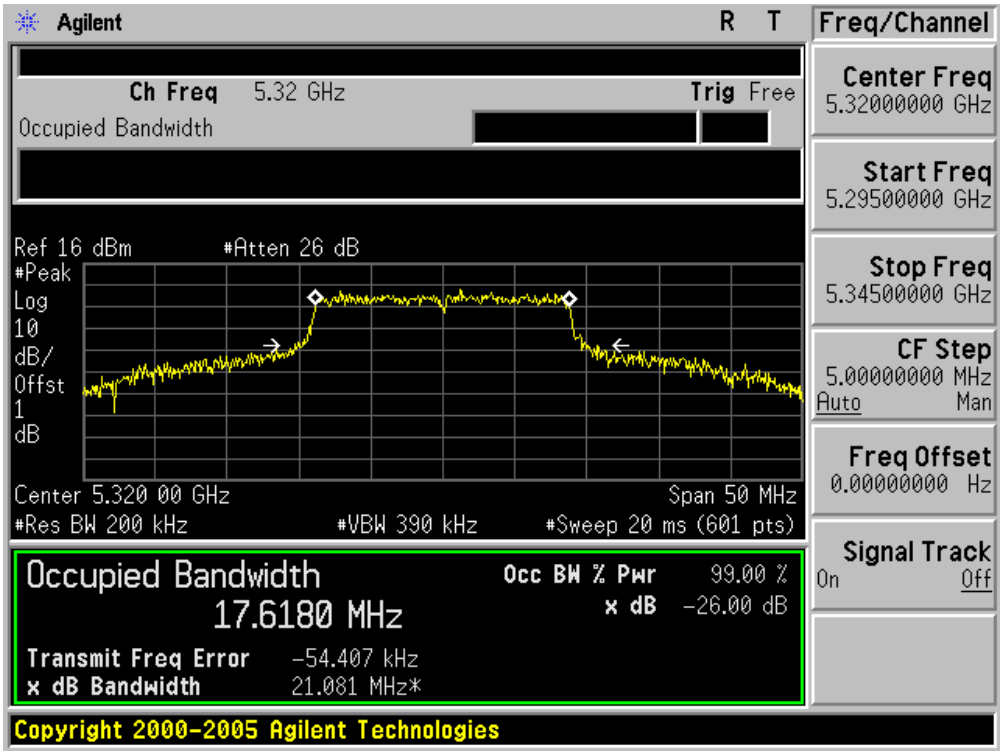
Channel 48 (5260MHz)



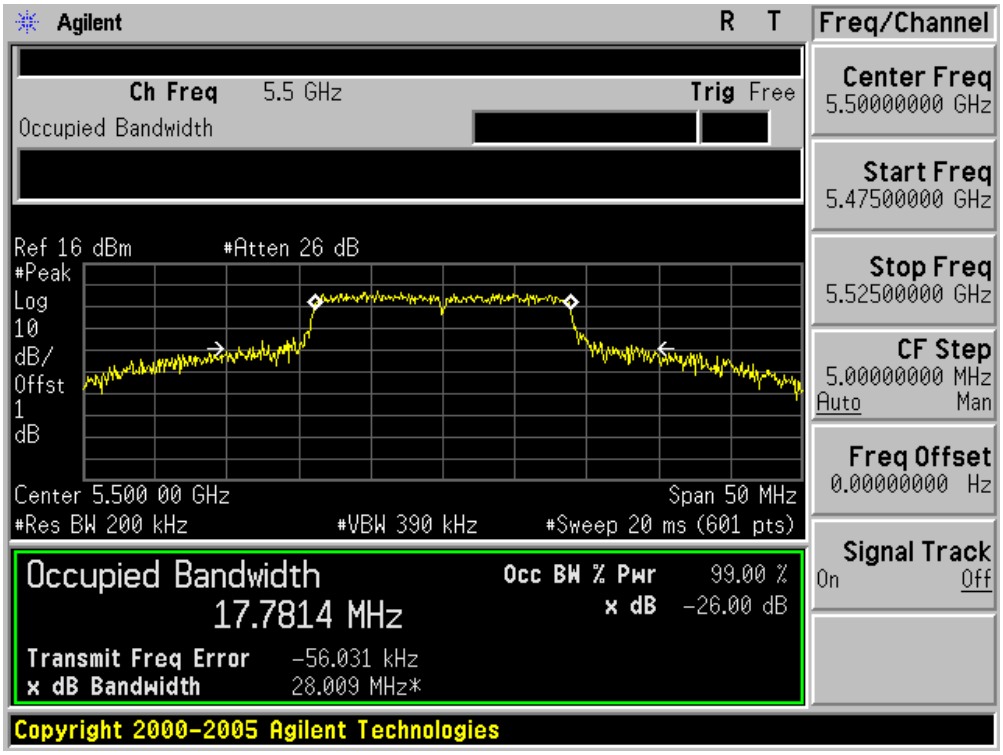
Channel 60 (5300MHz)



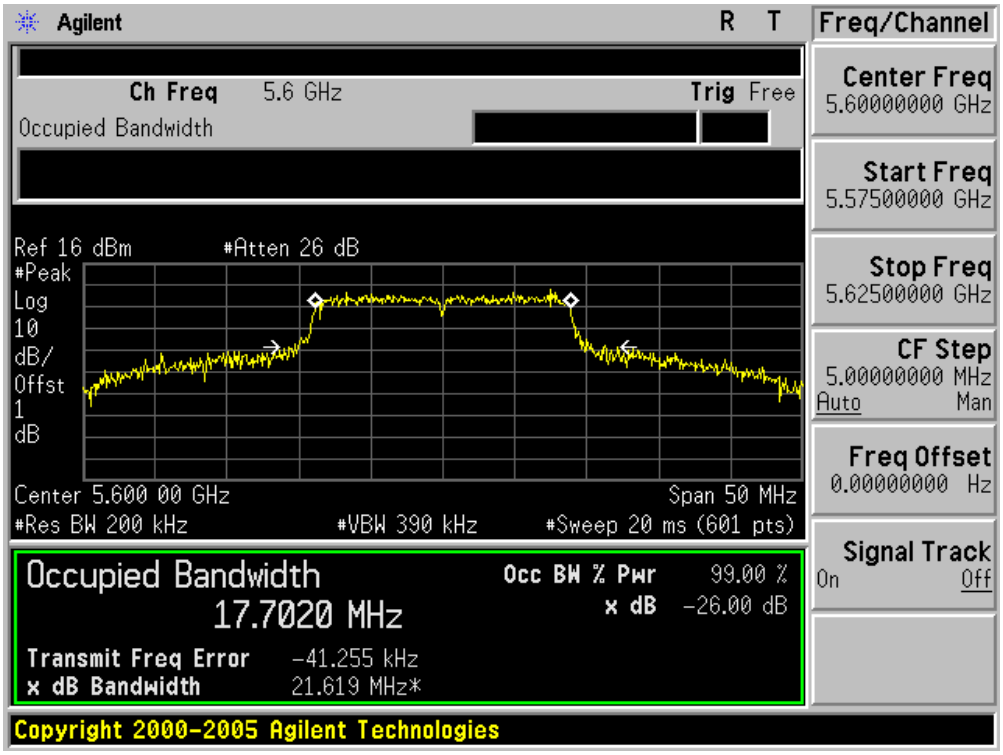
Channel 64 (5320MHz)



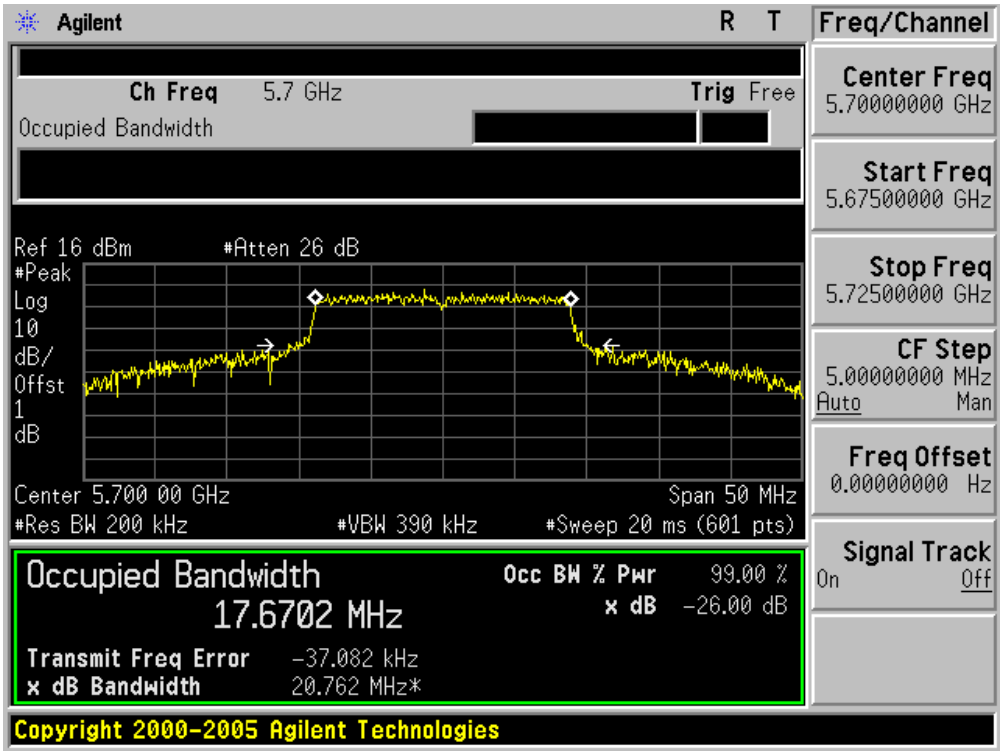
Channel 100 (5500MHz)



Channel 120 (5600MHz)



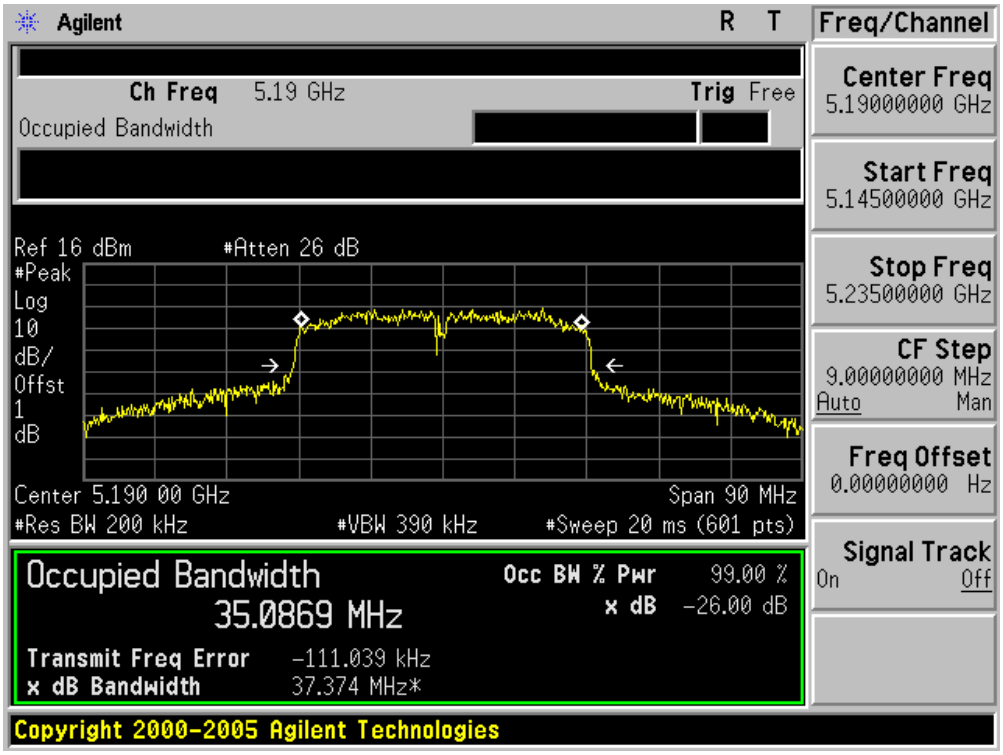
Channel 140 (5700MHz)



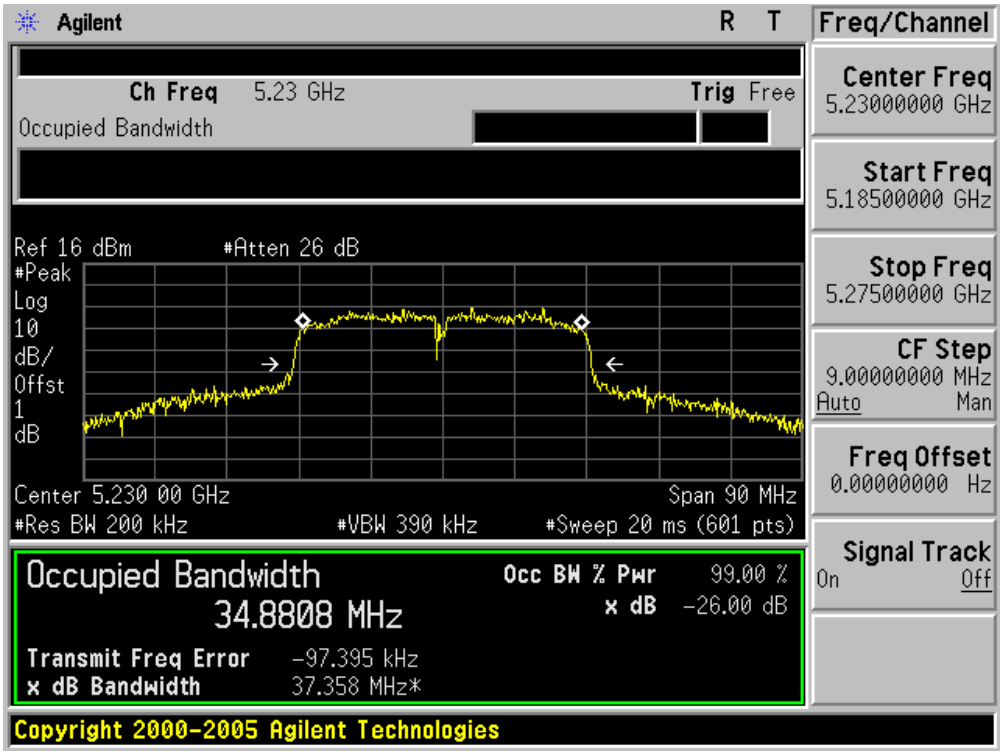
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain A)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
38	5190	37.37	N/A
46	5230	37.36	N/A
54	5270	52.28	N/A
62	5310	37.53	N/A
102	5510	45.00	N/A
118	5590	47.13	N/A
134	5670	39.62	N/A

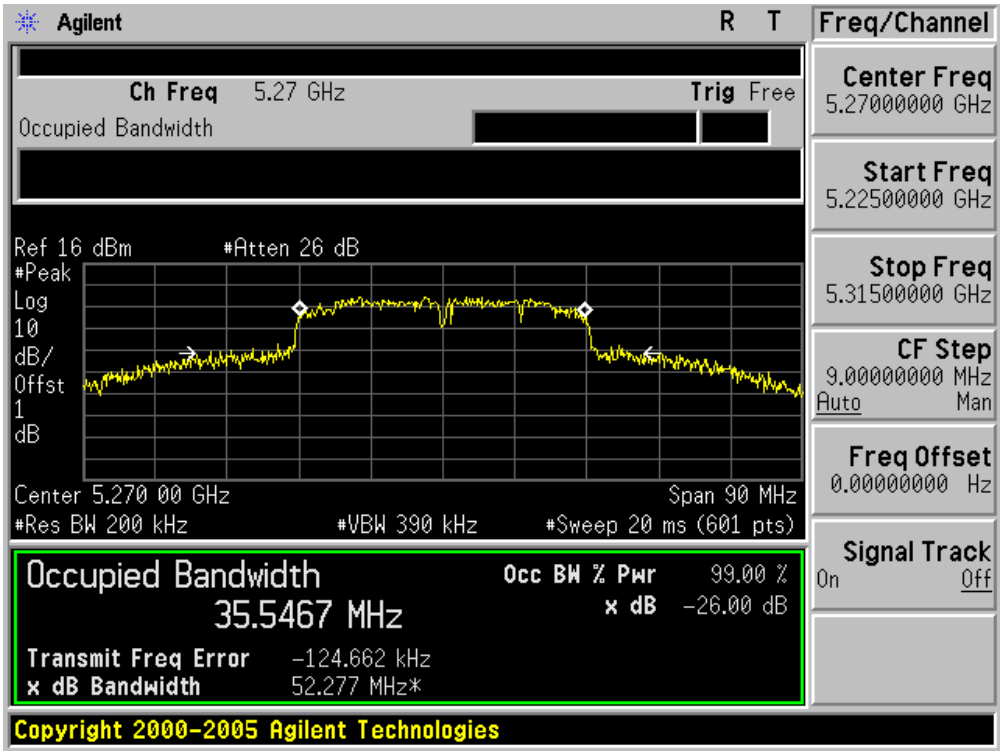
Channel 38 (5190MHz)



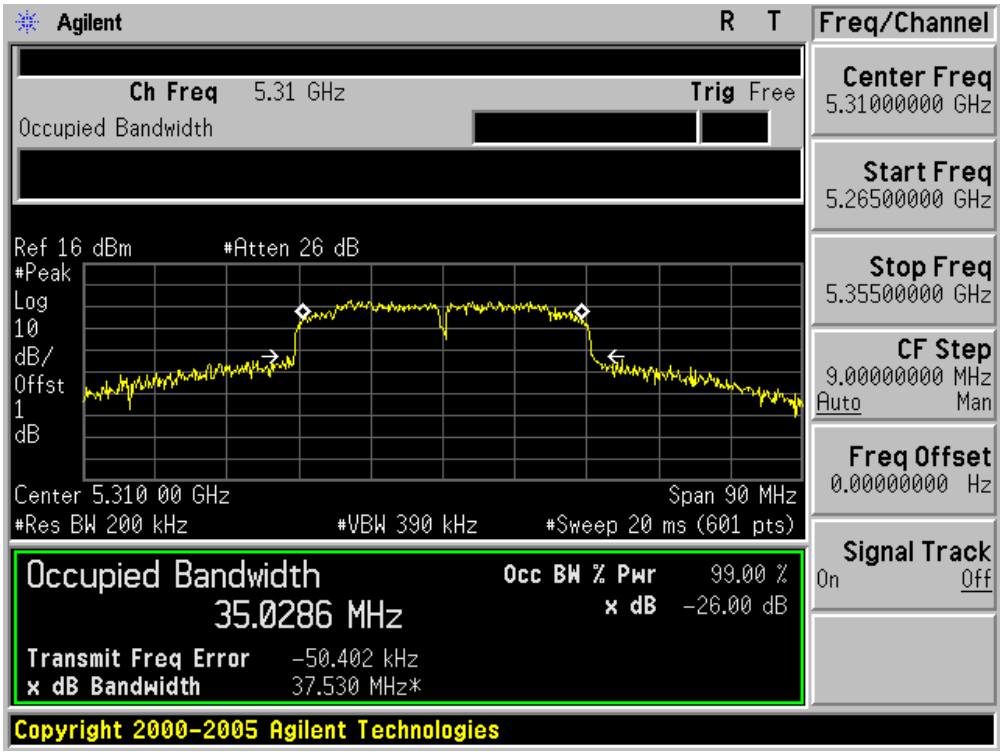
Channel 46 (5230MHz)



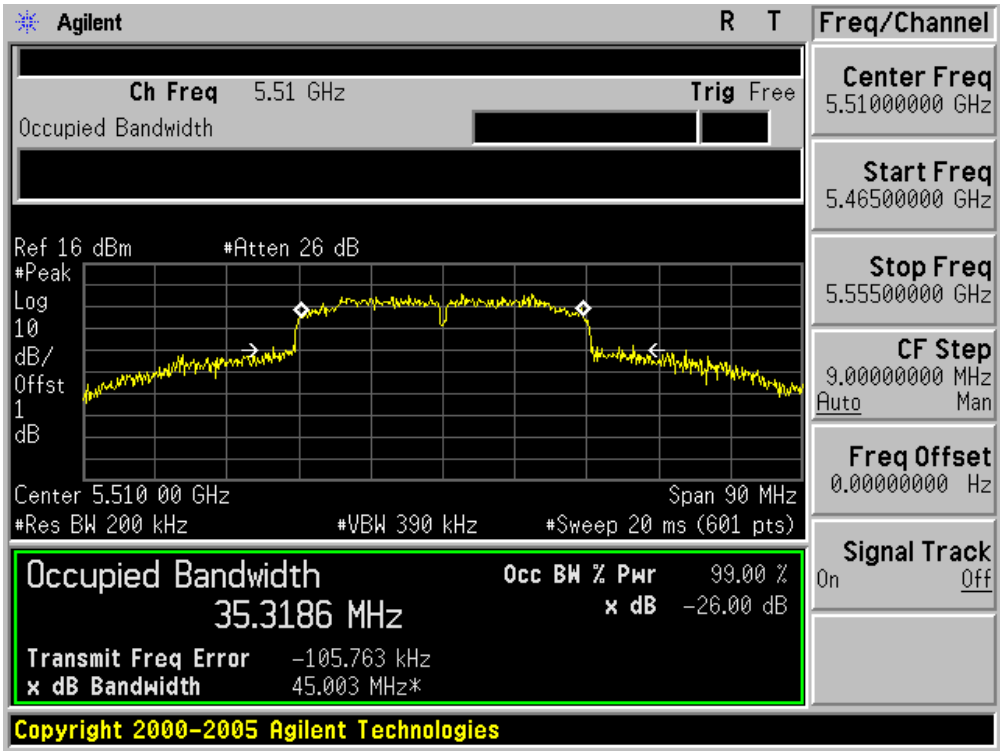
Channel 54 (5270MHz)



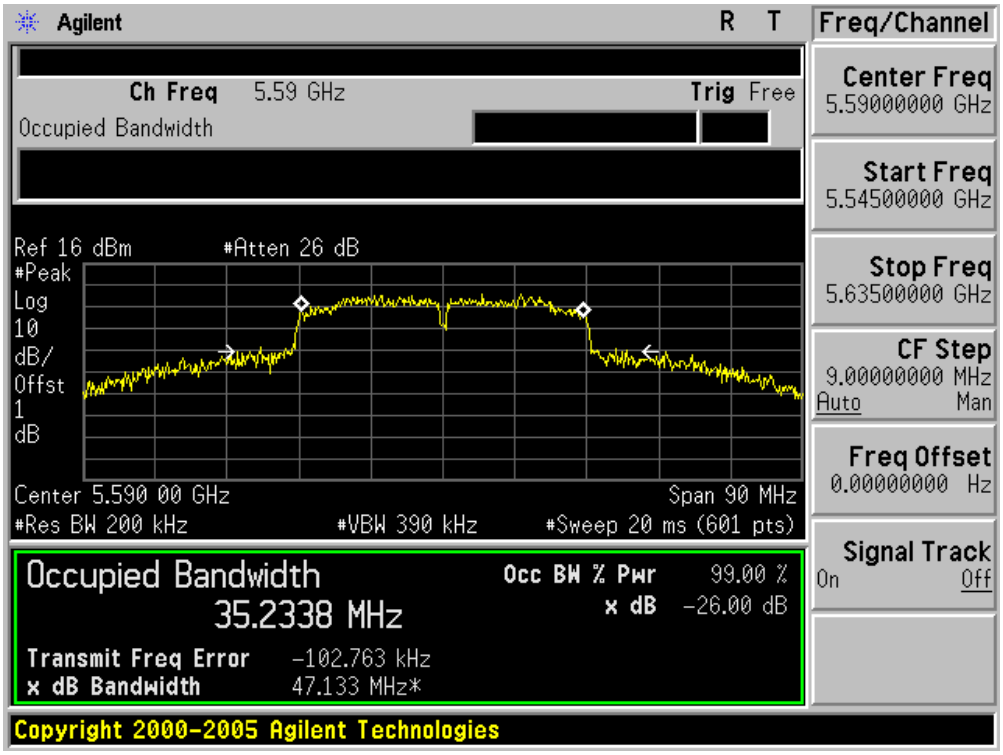
Channel 62 (5310MHz)



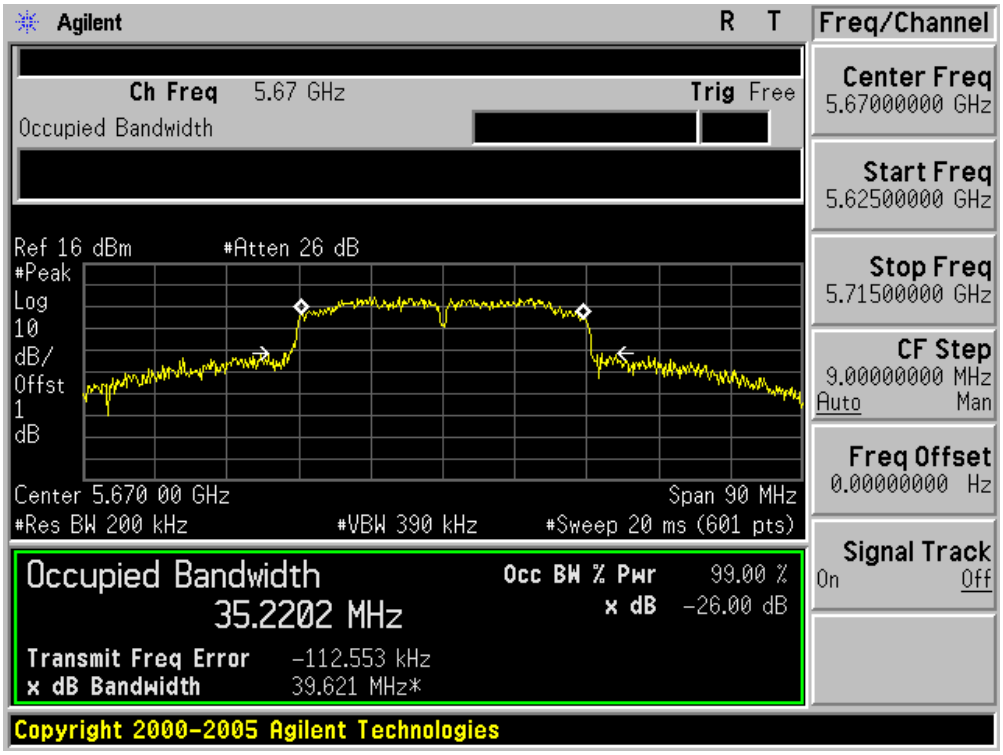
Channel 102 (5510MHz)



Channel 118 (5590MHz)



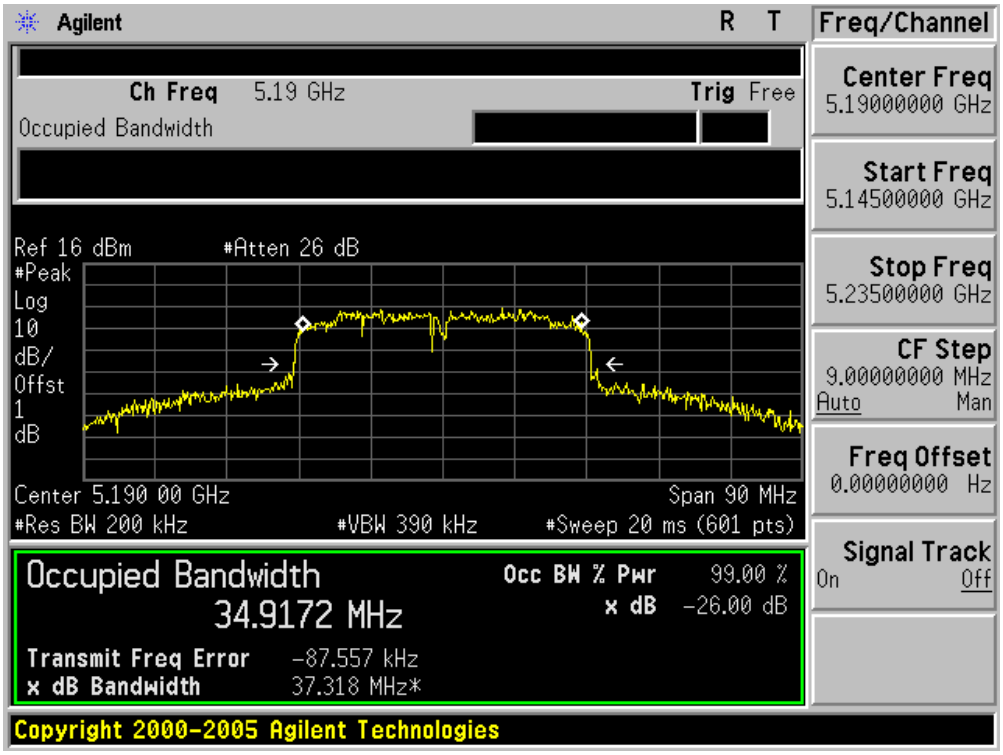
Channel 134 (5670MHz)



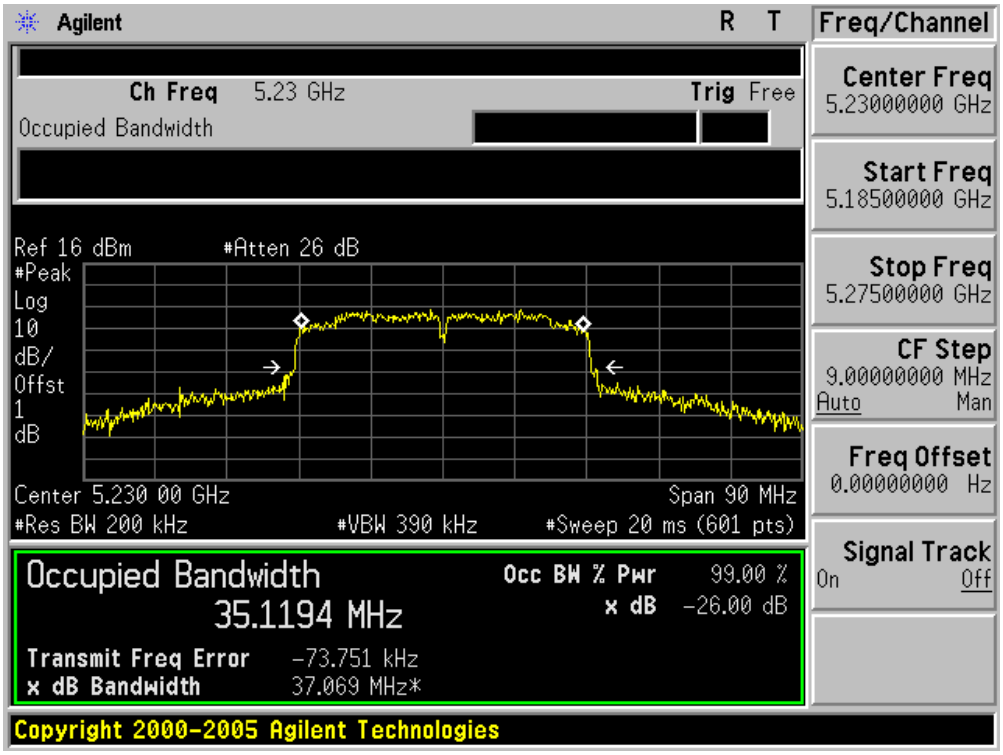
Product	:	Eee PC
Test Item	:	26dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain B)

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Limit (MHz)
38	5190	37.32	N/A
46	5230	37.07	N/A
54	5270	44.58	N/A
62	5310	38.35	N/A
102	5510	58.39	N/A
118	5590	46.69	N/A
134	5670	42.19	N/A

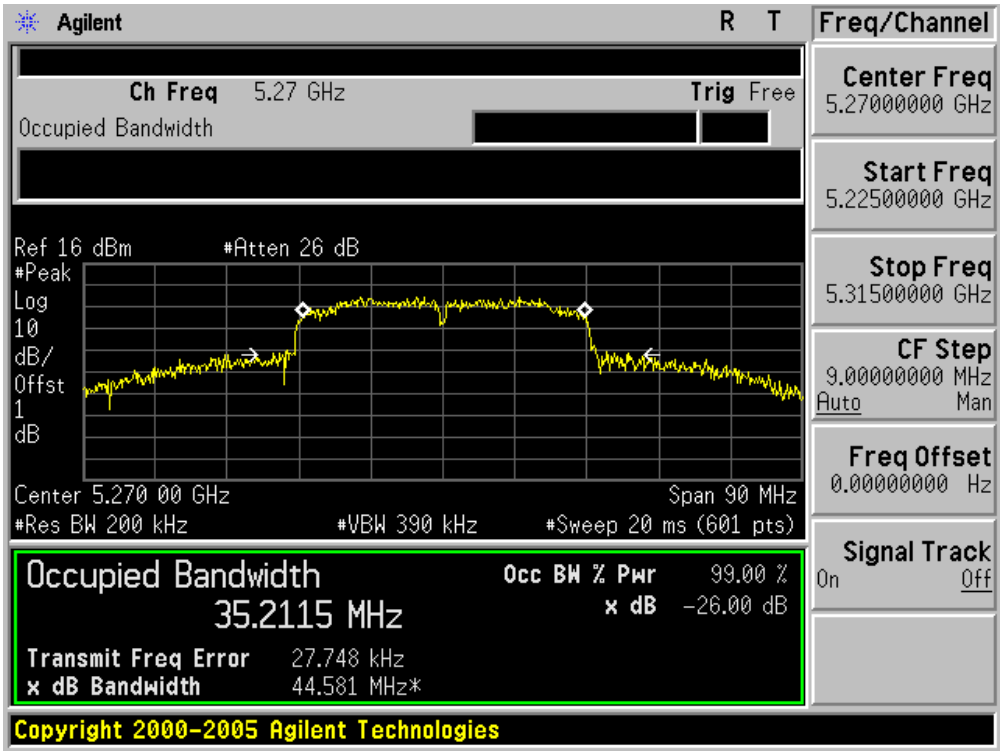
Channel 38 (5190MHz)



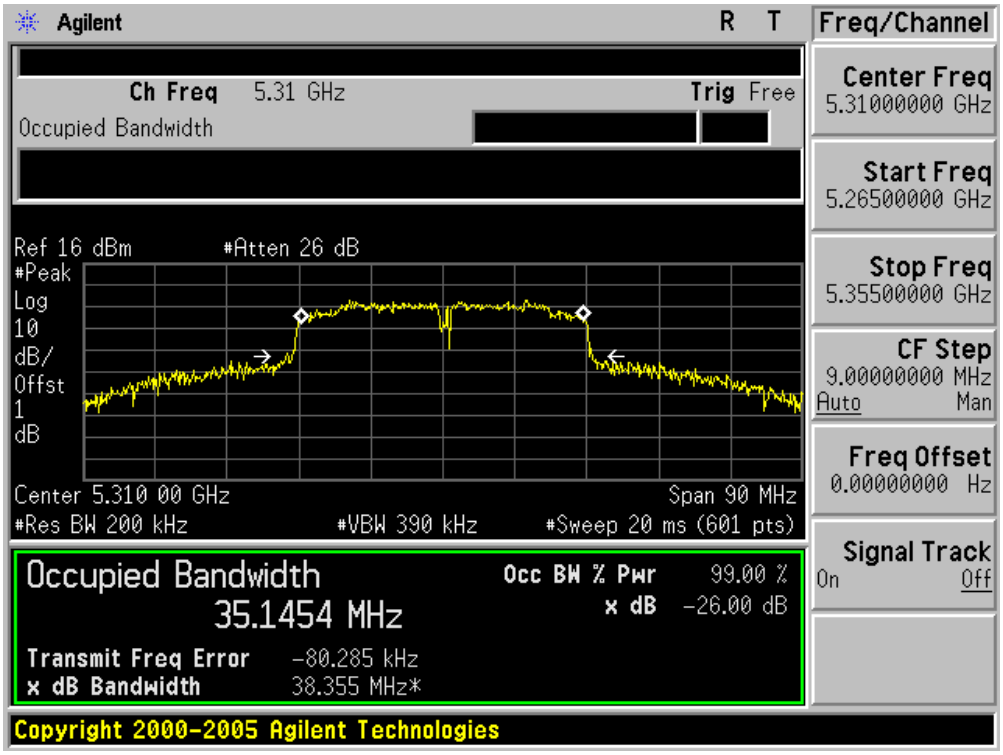
Channel 46 (5230MHz)



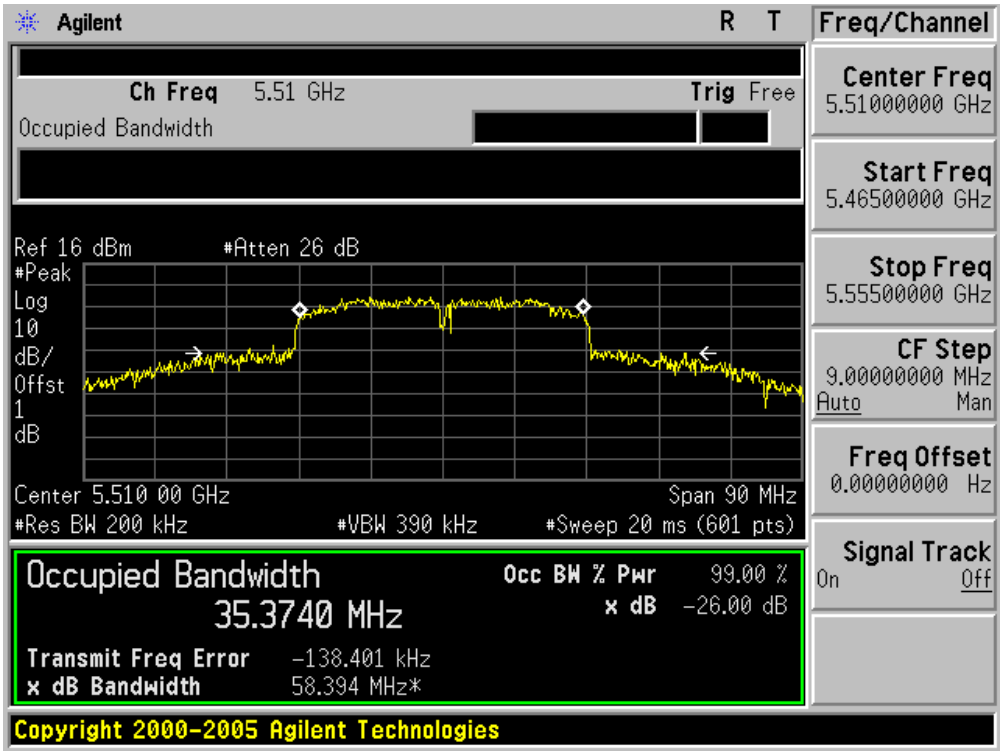
Channel 54 (5270MHz)



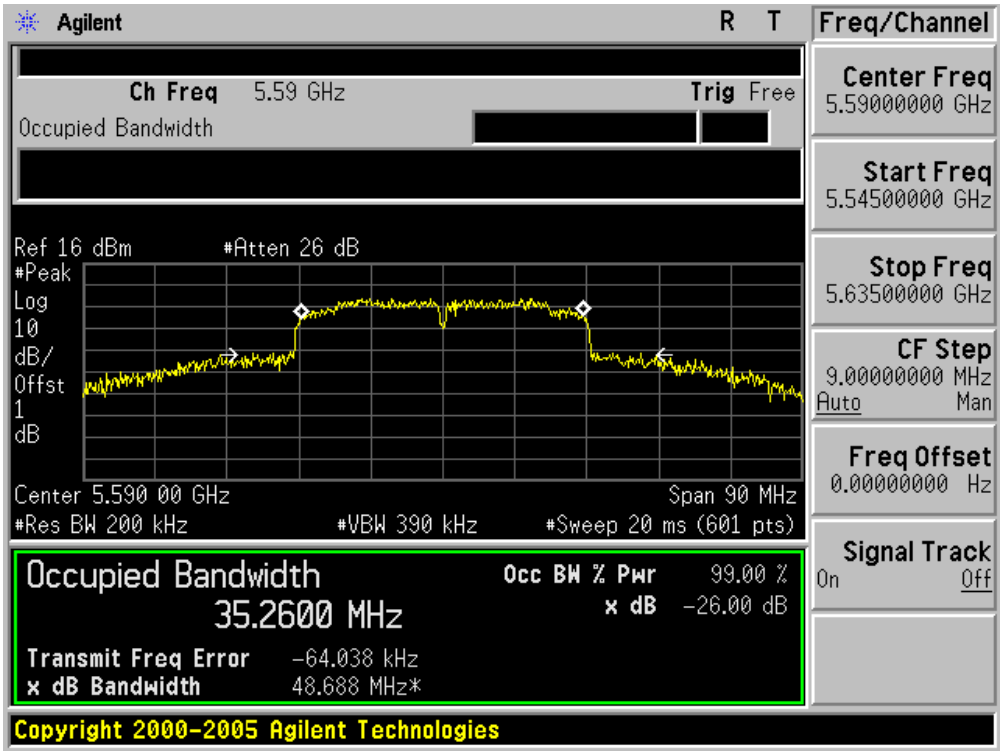
Channel 62 (5310MHz)



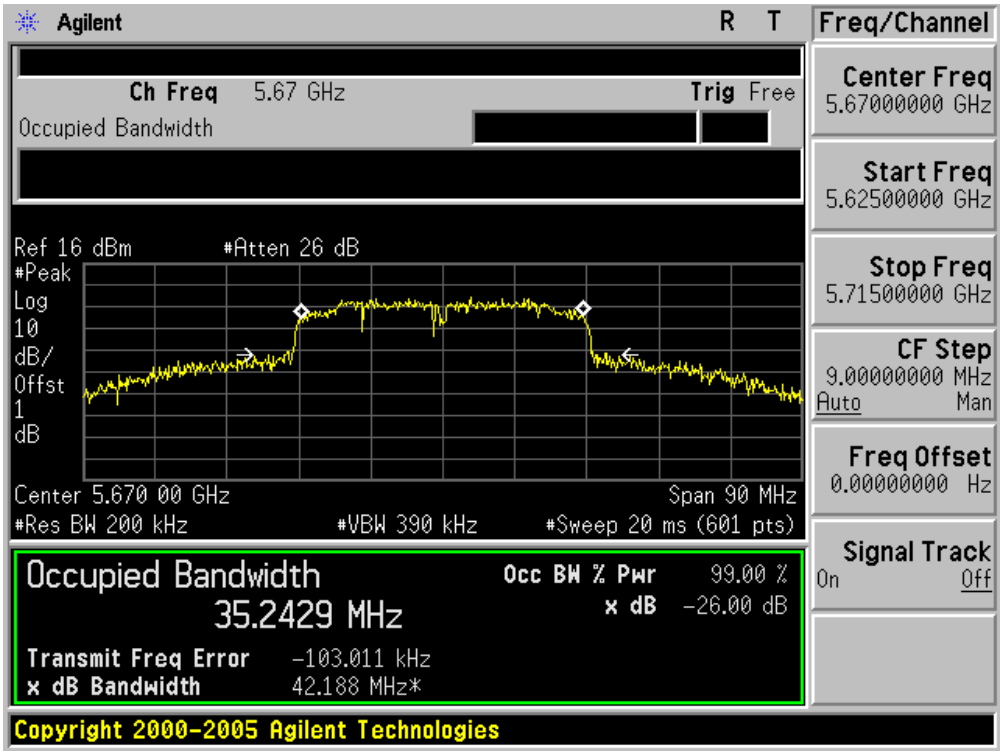
Channel 102 (5510MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)



7. Power Output

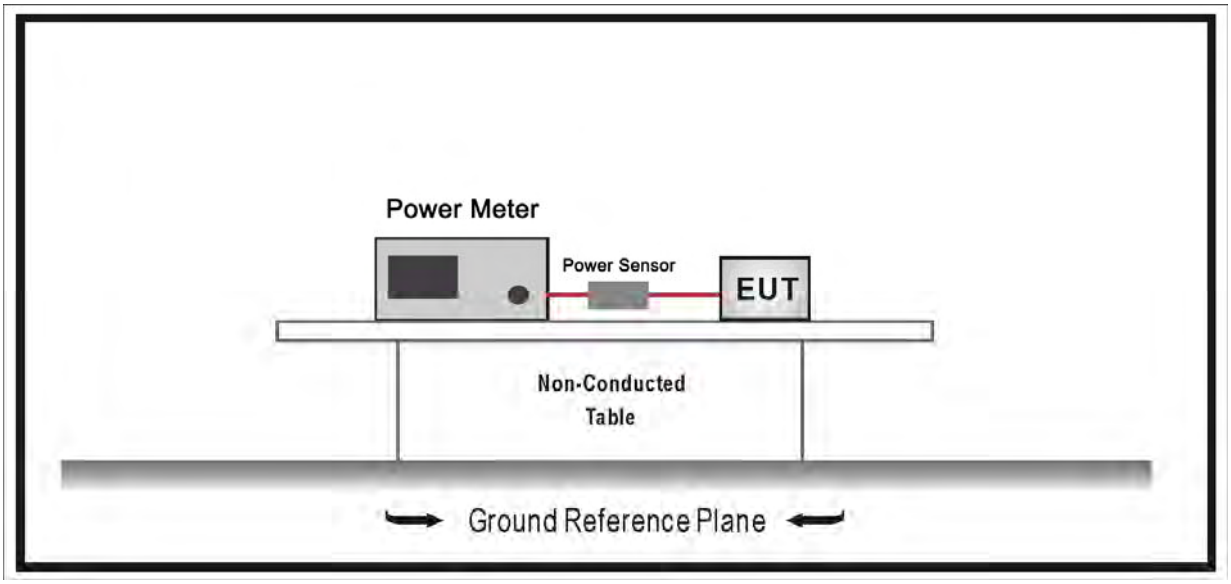
7.1. Test Equipment

Power Output / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2010.04.30
Temperature/Humidity Meter	zhicheng	ZC1-2	AC6-TH	2010.01.14

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

- For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, where B is the 26 dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- For the band 5.25-5.35 GHz and 5.47-5725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

- For the band 5.725-5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1 W or 17 dBm + 10log B, where B is the 26 dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain up to 23 dBi without any corresponding reduction in the transmitter peak output power. For fixed, point-to-point U-NII transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in peak transmitter power for each 1 dB of antenna gain in excess of 23 dBi would be required.

7.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 requirements.

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

7.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

7.6. 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		40MHz	
			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

Peak power output at various data rates:

Test Mode	Chain	Bandwidth	Frequency (MHz)	Channel	Data Rate	Peak Power (dBm)
802.11a	A	20	5200	40	6	16.38
					24	16.31
					54	16.24
802.11a	B	20	5200	40	6	16.58
					24	16.46
					54	16.39
802.11n	A	20	5200	40	HT0	16.46
					HT4	16.37
					HT7	16.25
802.11n	B	20	5200	40	HT0	16.58
					HT4	16.49
					HT7	16.37
802.11n	A	40	5230	46	HT0	16.24
					HT4	16.18
					HT7	16.12
802.11n	B	40	5230	46	HT0	16.54
					HT4	16.47
					HT7	16.35

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain A)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
36	5180	16.23	N/A	16.23	17.00	Pass
40	5200	16.38	N/A	16.38	17.00	Pass
48	5240	16.50	N/A	16.50	17.00	Pass
52	5260	22.75.	N/A	22.75.	24.00	Pass
60	5300	22.58	N/A	22.58	24.00	Pass
64	5320	22.68	N/A	22.68	24.00	Pass
100	5500	22.74	N/A	22.74	24.00	Pass
120	5600	22.71	N/A	22.71	24.00	Pass
140	5700	22.98	N/A	22.98	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
36	5180	16.43	N/A	16.43	17.00	Pass
40	5200	16.46	N/A	16.46	17.00	Pass
48	5240	16.53	N/A	16.53	17.00	Pass
52	5260	22.78	N/A	22.78	24.00	Pass
60	5300	22.65	N/A	22.65	24.00	Pass
64	5320	23.01	N/A	23.01	24.00	Pass
100	5500	22.52	N/A	22.52	24.00	Pass
120	5600	22.56	N/A	22.56	24.00	Pass
140	5700	22.32	N/A	22.32	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
38	5190	16.39	N/A	16.39	17.00	Pass
46	5230	16.24	N/A	16.24	17.00	Pass
54	5270	22.79	N/A	22.79	24.00	Pass
62	5310	20.73	N/A	20.73	24.00	Pass
102	5510	23.01	N/A	23.01	24.00	Pass
118	5590	22.79	N/A	22.79	24.00	Pass
134	5670	22.70	N/A	22.70	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain B)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
36	5180	N/A	16.45	16.45	17.00	Pass
40	5200	N/A	16.58	16.58	17.00	Pass
48	5240	N/A	16.49	16.49	17.00	Pass
52	5260	N/A	22.87	22.87	24.00	Pass
60	5300	N/A	22.83	22.83	24.00	Pass
64	5320	N/A	22.69	22.69	24.00	Pass
100	5500	N/A	22.94	22.94	24.00	Pass
120	5600	N/A	22.90	22.90	24.00	Pass
140	5700	N/A	22.71	22.71	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
36	5180	N/A	16.57	16.57	17.00	Pass
40	5200	N/A	16.58	16.58	17.00	Pass
48	5240	N/A	16.48	16.48	17.00	Pass
52	5260	N/A	22.35	22.35	24.00	Pass
60	5300	N/A	23.00	23.00	24.00	Pass
64	5320	N/A	22.51	22.51	24.00	Pass
100	5500	N/A	22.71	22.71	24.00	Pass
120	5600	N/A	22.84	22.84	24.00	Pass
140	5700	N/A	22.48	22.48	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
38	5190	N/A	16.61	16.61	17.00	Pass
46	5230	N/A	16.54	16.54	17.00	Pass
54	5270	N/A	22.83	22.83	24.00	Pass
62	5310	N/A	20.68	20.68	24.00	Pass
102	5510	N/A	22.57	22.57	24.00	Pass
118	5590	N/A	22.81	22.81	24.00	Pass
134	5670	N/A	22.78	22.78	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
36	5180	13.08	13.39	16.25	17.00	Pass
40	5200	13.05	13.30	16.19	17.00	Pass
48	5240	13.09	13.16	16.14	17.00	Pass
52	5260	20.13	19.62	22.89	24.00	Pass
60	5300	20.00	19.67	22.85	24.00	Pass
64	5320	20.06	19.49	22.79	24.00	Pass
100	5500	20.08	20.13	23.12	24.00	Pass
120	5600	20.15	19.91	23.04	24.00	Pass
140	5700	19.89	19.72	22.82	24.00	Pass

Product	:	Eee PC
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Chain A	Chain B			
38	5190	13.07	13.18	16.14	17.00	Pass
46	5230	13.05	13.07	16.07	17.00	Pass
54	5270	20.23	20.21	23.23	24.00	Pass
62	5310	20.45	19.82	23.16	24.00	Pass
102	5510	20.48	20.23	23.37	24.00	Pass
118	5590	20.56	20.26	23.42	24.00	Pass
134	5670	20.72	20.53	23.64	24.00	Pass

8. Peak Power Spectral Density

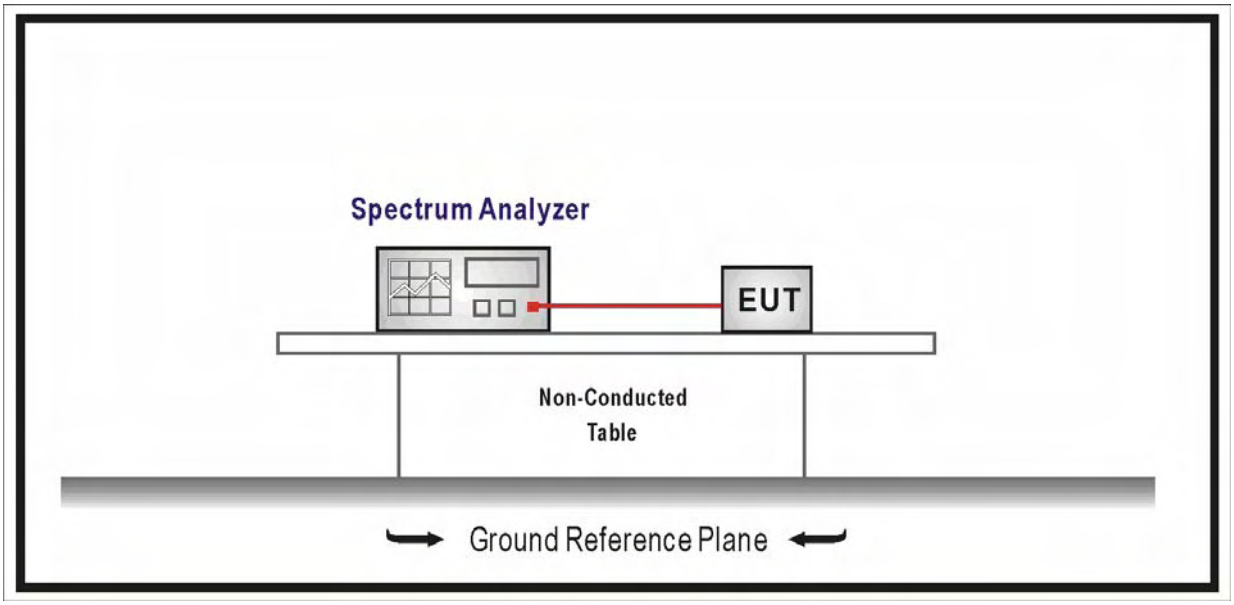
8.1. Test Equipment

Peak 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	2010.01.14

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

- For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, where B is the 26 dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- For the band 5.25-5.35 GHz and 5.47-5725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output

power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

- For the band 5.725-5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1 W or 17 dBm + 10log B, where B is the 26 dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain up to 23 dBi without any corresponding reduction in the transmitter peak output power. For fixed, point-to-point U-NII transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in peak transmitter power for each 1 dB of antenna gain in excess of 23 dBi would be required.

8.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 requirements.
Use sample detector and power averaging (not video averaging) mode. Set RBW= 1 MHz*, VBW > 1 MHz. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging. This method is permitted only if the transmission pulse or sequence of pulses remains at maximum transmit power throughout each of the 100 sweeps of averaging and that the interval between pulses is not included in any of the sweeps (e.g., 100 sweeps should occur during one transmission, or each sweep gated to occur during a transmission).

8.5. Uncertainty

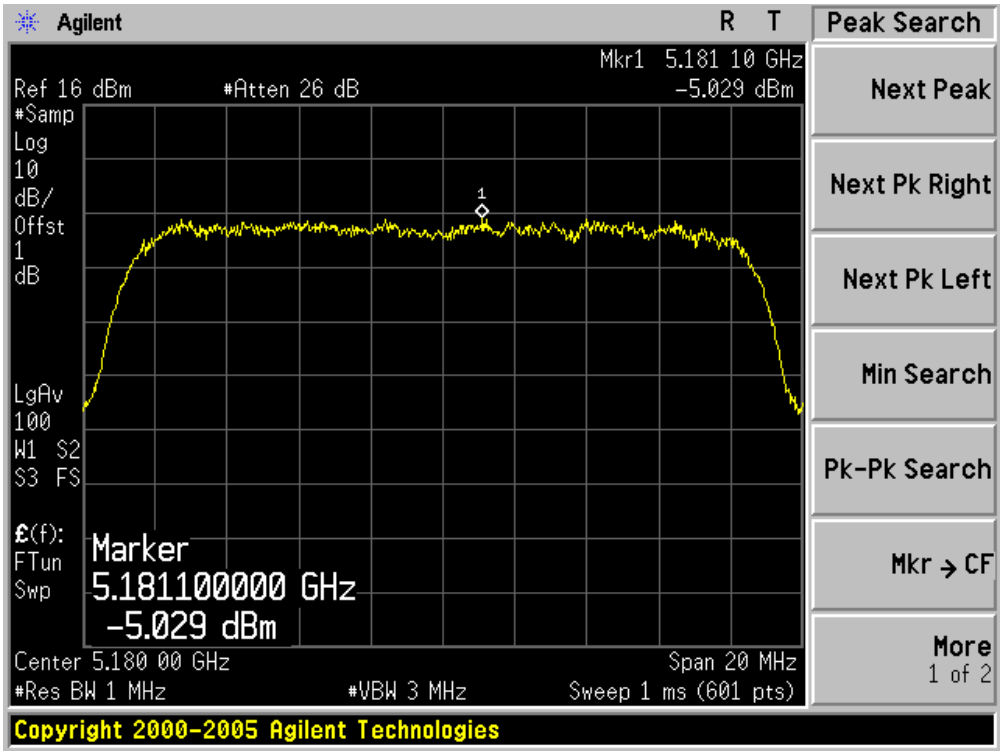
The measurement uncertainty is defined as ± 1.27 dB

8.6. Test Result

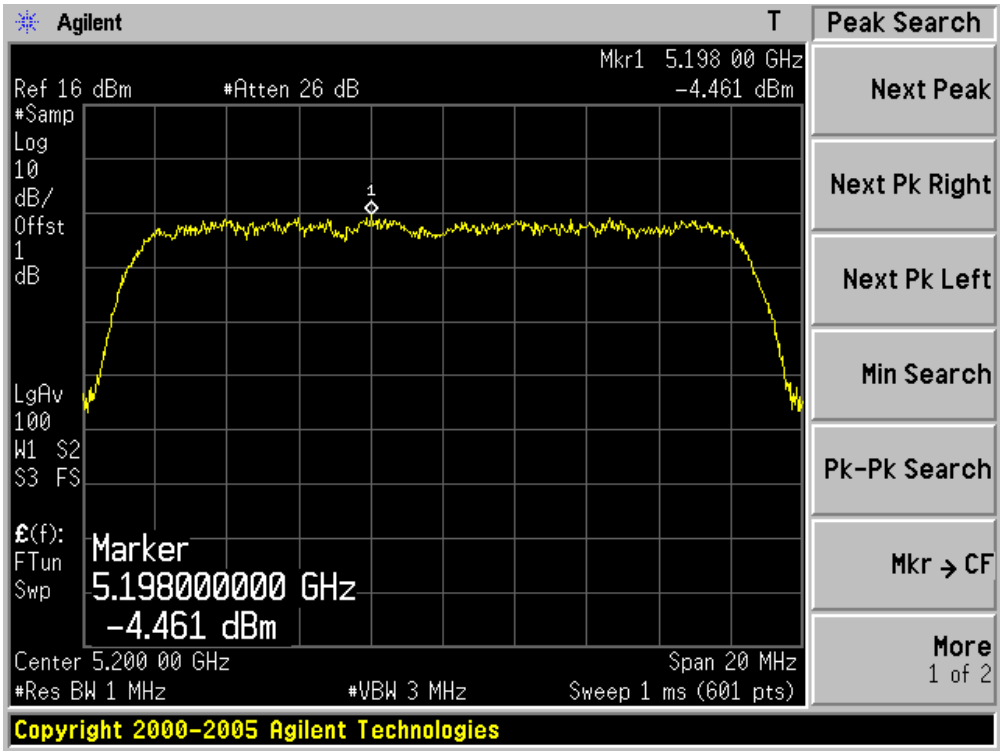
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
36	5180	-5.029	N/A	-5.029	4	Pass
40	5200	-4.461	N/A	-4.461	4	Pass
48	5240	-4.278	N/A	-4.278	4	Pass
52	5260	2.678	N/A	2.678	11	Pass
60	5300	2.159	N/A	2.159	11	Pass
64	5320	2.107	N/A	2.107	11	Pass
100	5500	1.689	N/A	1.689	11	Pass
120	5600	2.508	N/A	2.508	11	Pass
140	5700	1.643	N/A	1.643	11	Pass

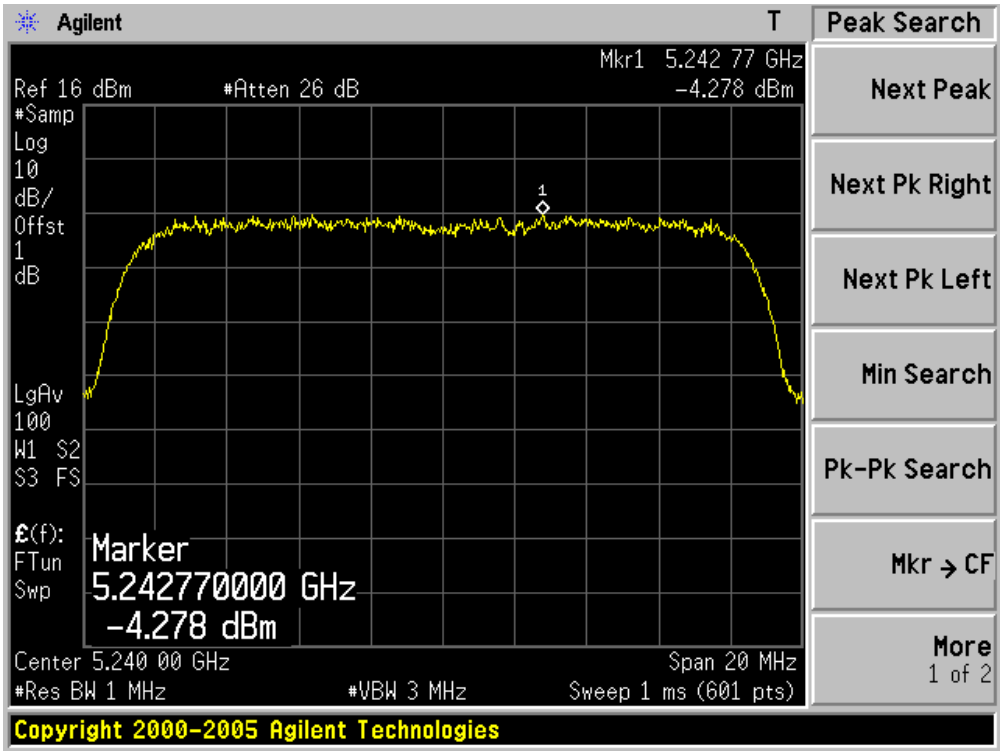
Channel 36 (5180MHz)



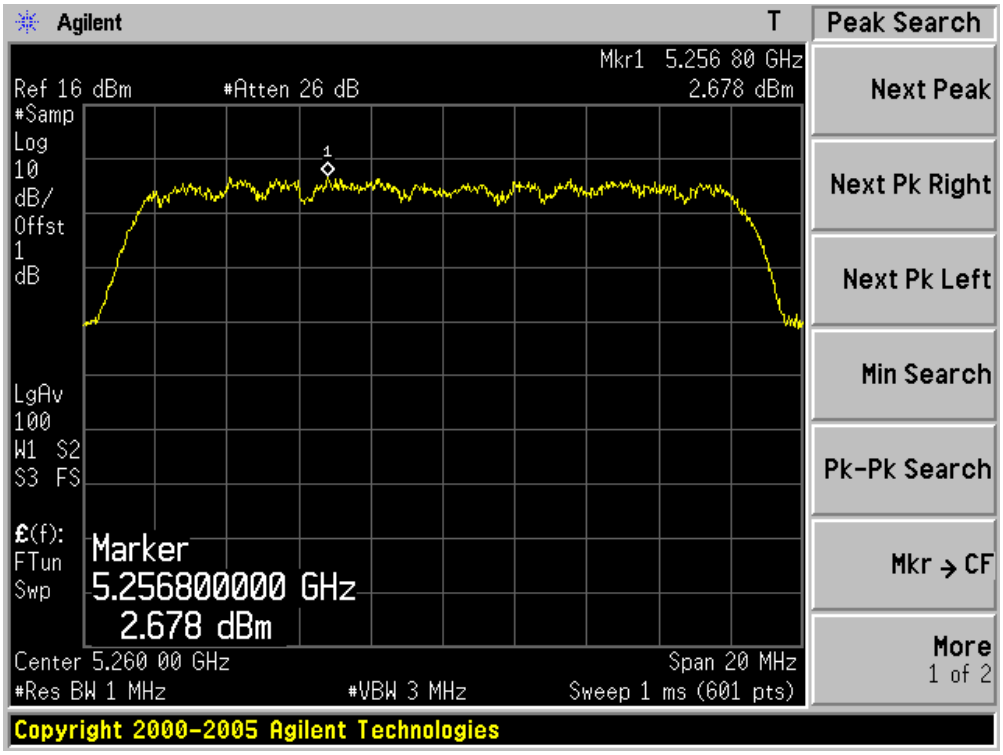
Channel 40 (5200MHz)



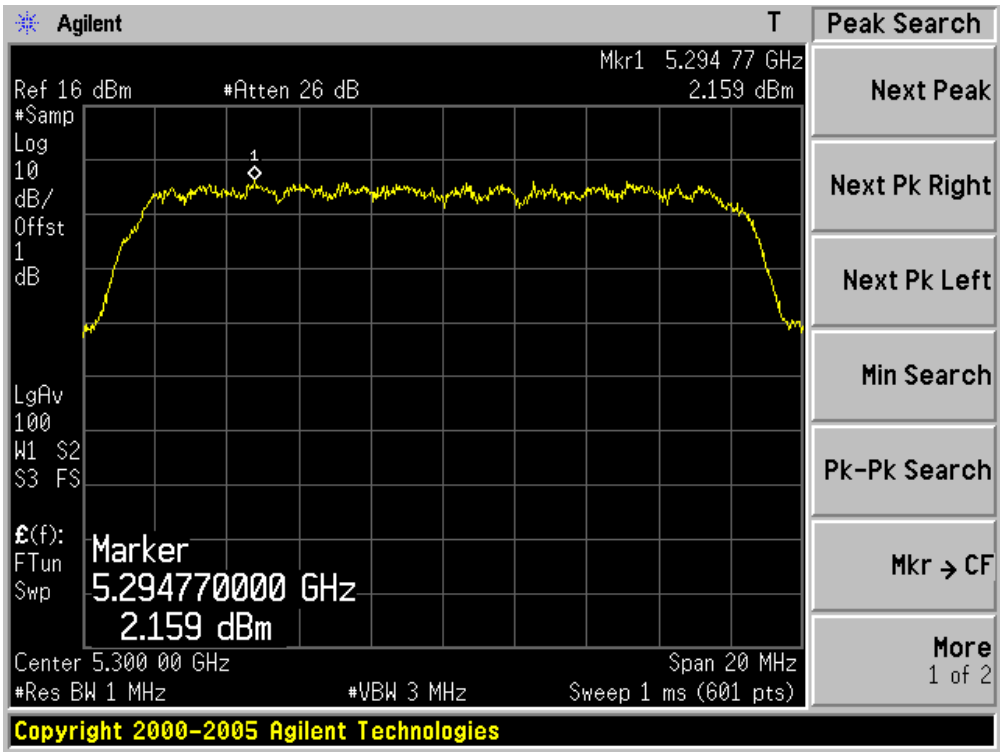
Channel 48 (5240MHz)



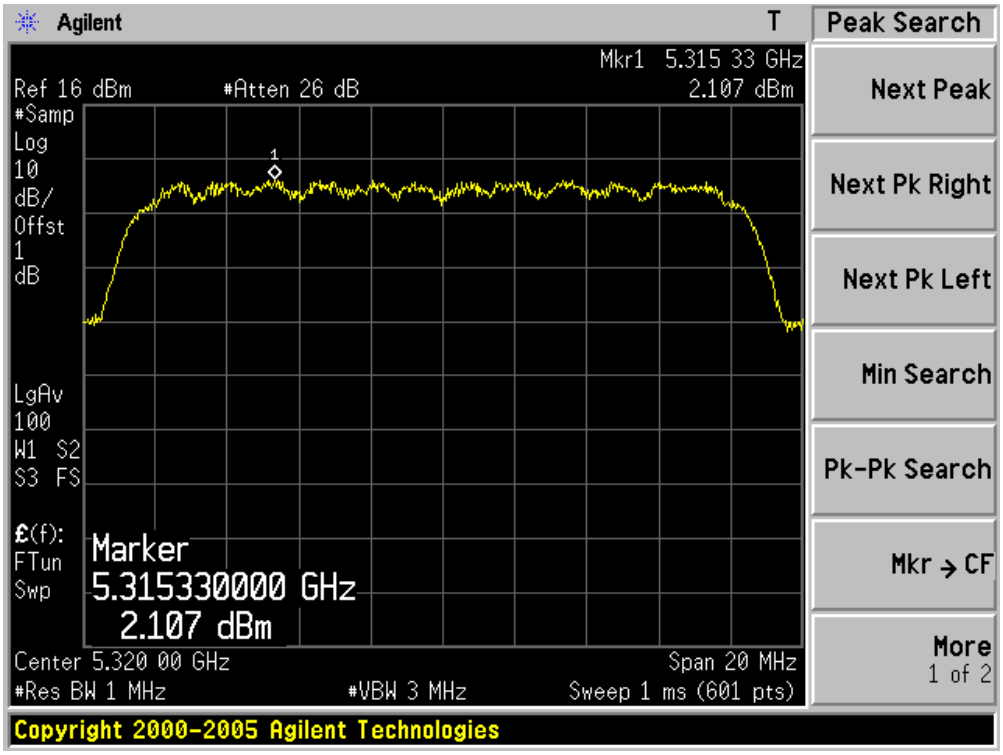
Channel 52 (5260MHz)



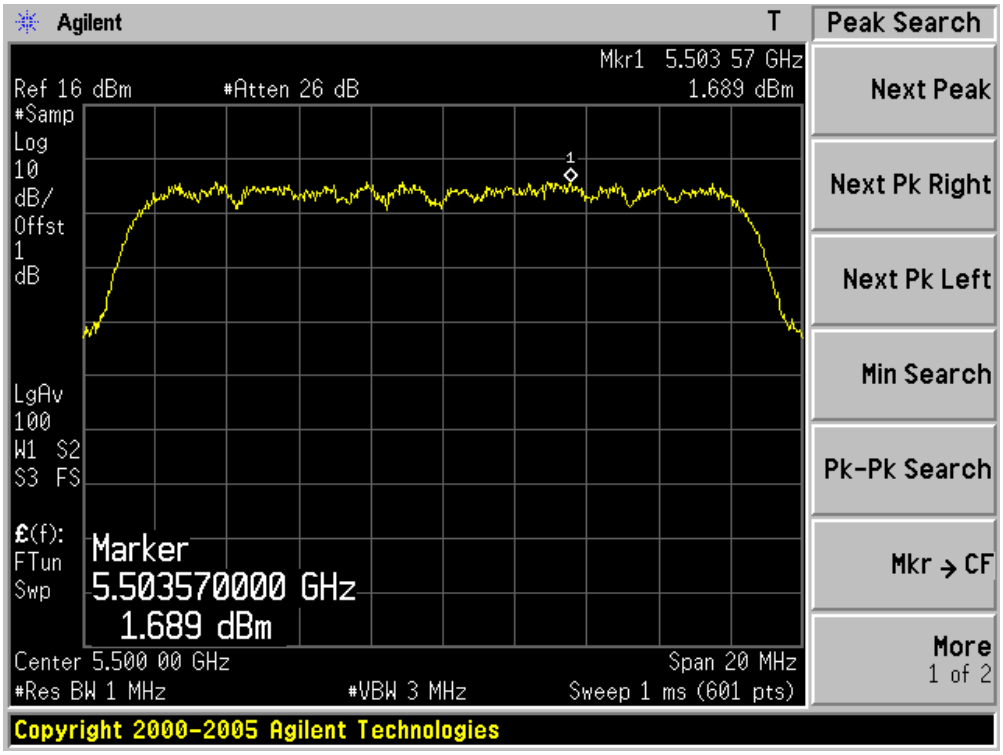
Channel 60 (5300MHz)



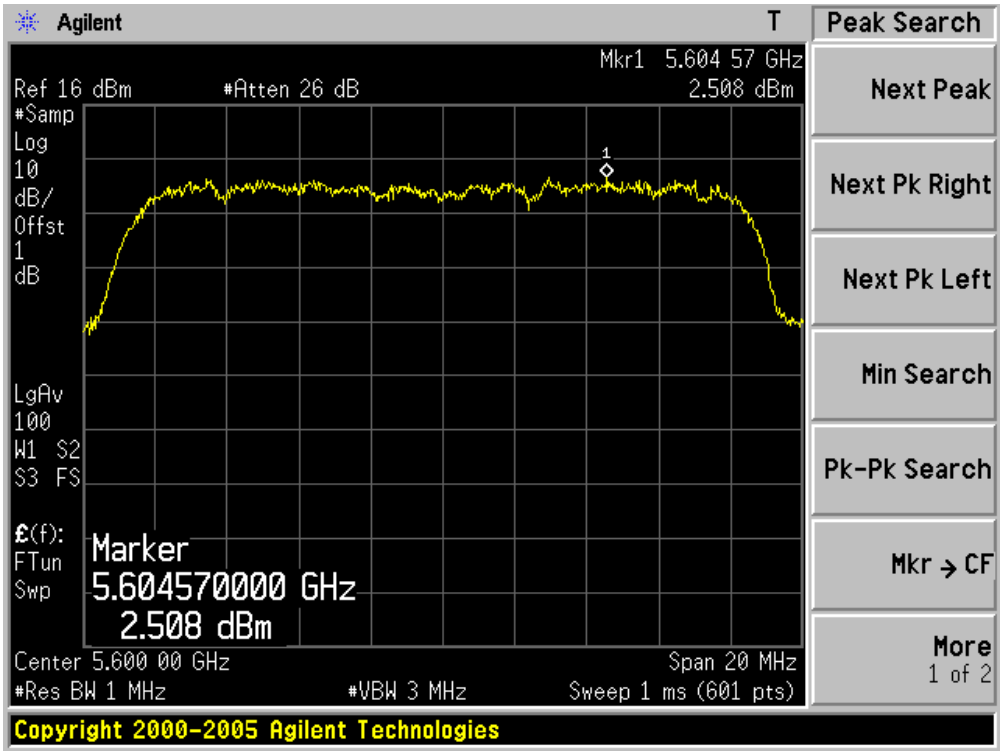
Channel 64 (5320MHz)



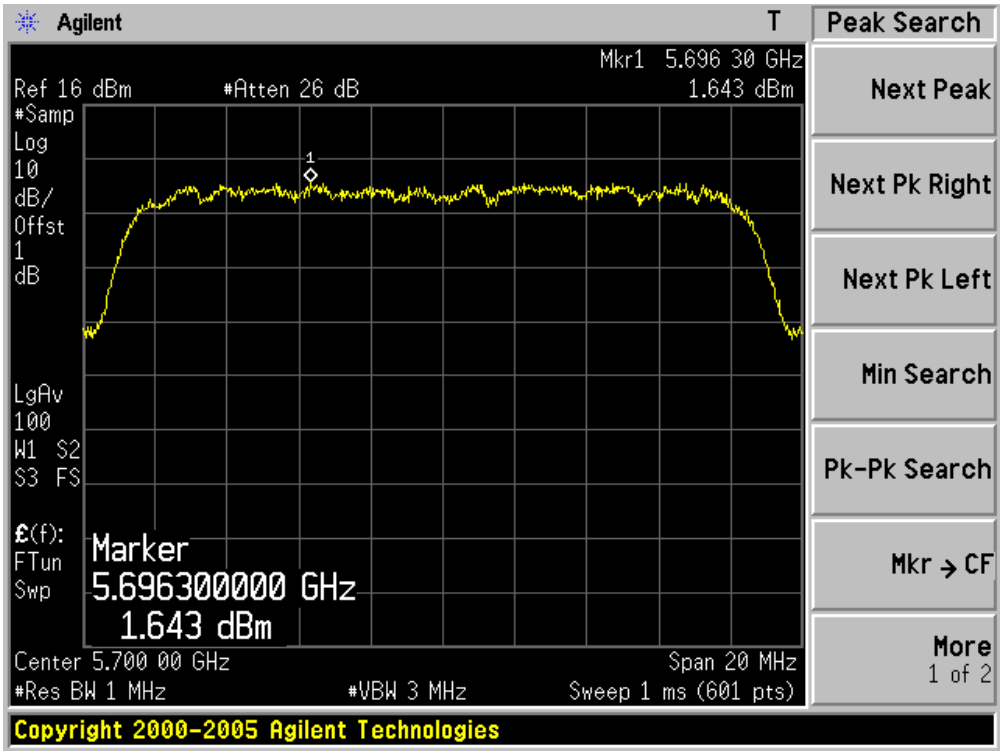
Channel 100 (5500MHz)



Channel 120 (5600MHz)



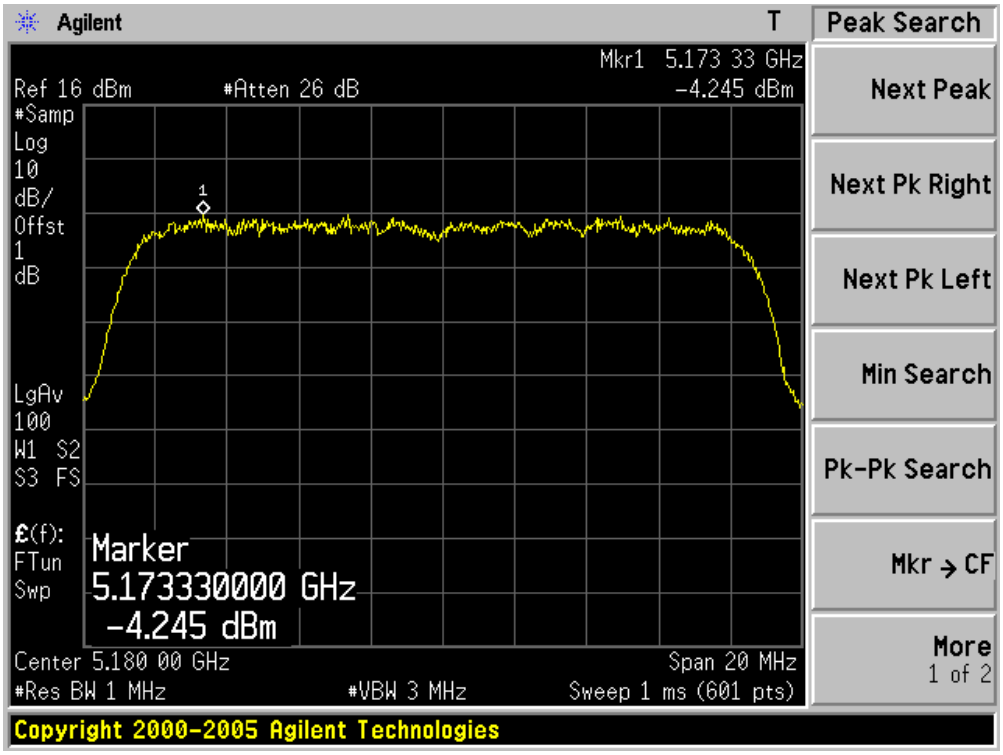
Channel 140 (5700MHz)



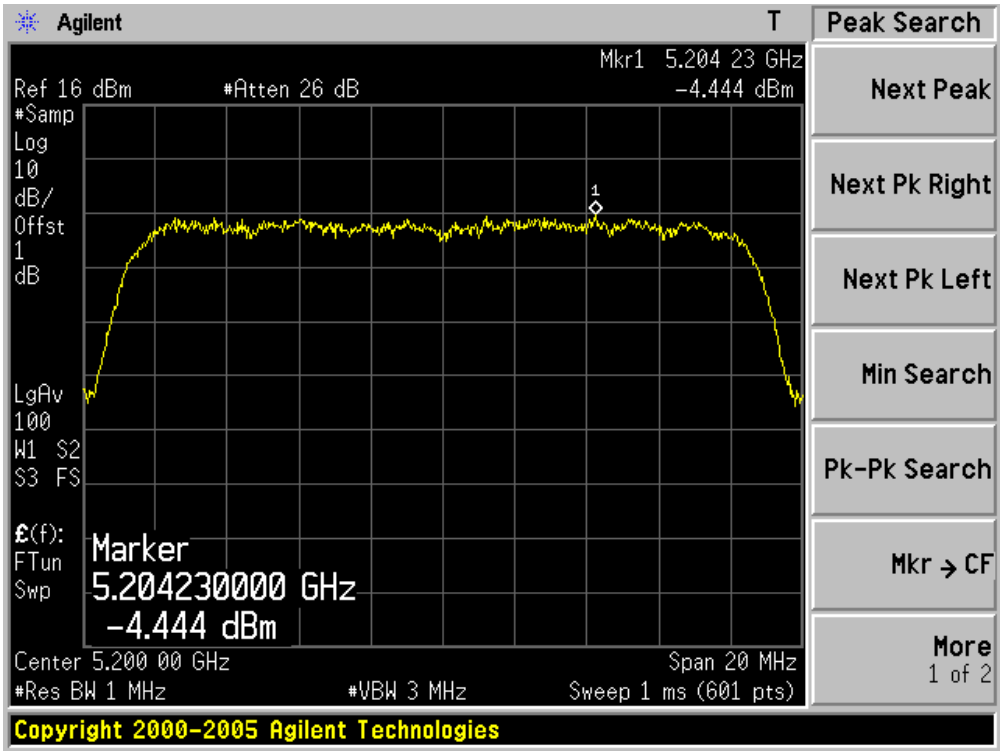
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
36	5180	N/A	-4.245	-4.245	4	Pass
40	5200	N/A	-4.444	-4.444	4	Pass
48	5240	N/A	-4.190	-4.190	4	Pass
52	5260	N/A	1.662	1.662	11	Pass
60	5300	N/A	1.548	1.548	11	Pass
64	5320	N/A	2.272	2.272	11	Pass
100	5500	N/A	2.466	2.466	11	Pass
120	5600	N/A	1.586	1.586	11	Pass
140	5700	N/A	1.943	1.943	11	Pass

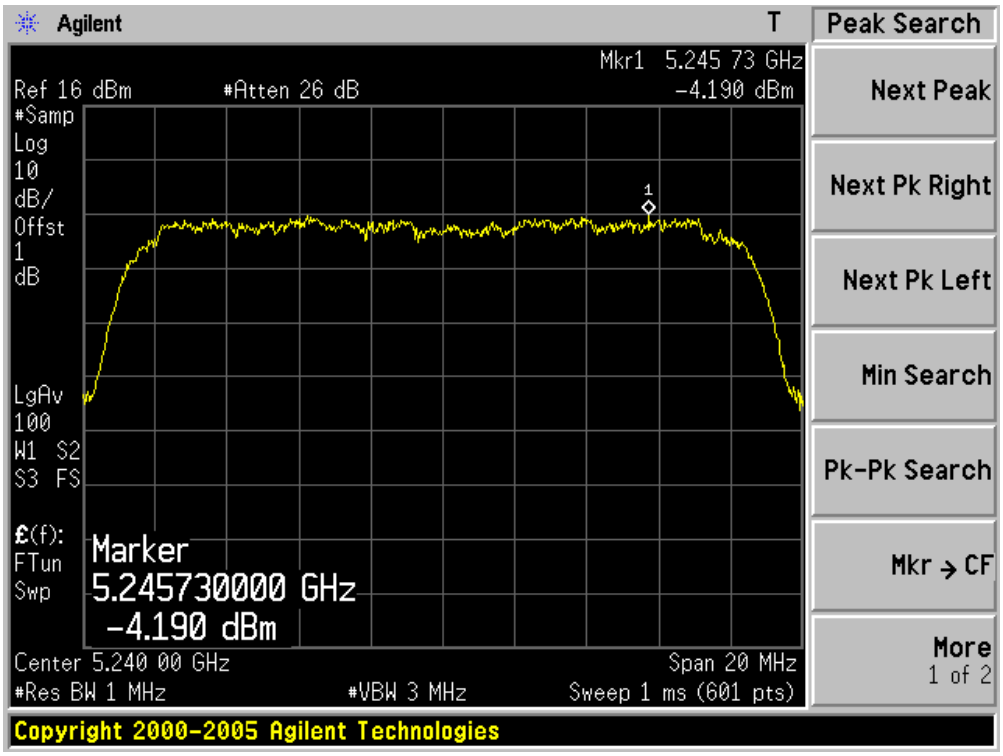
Channel 36 (5180MHz)



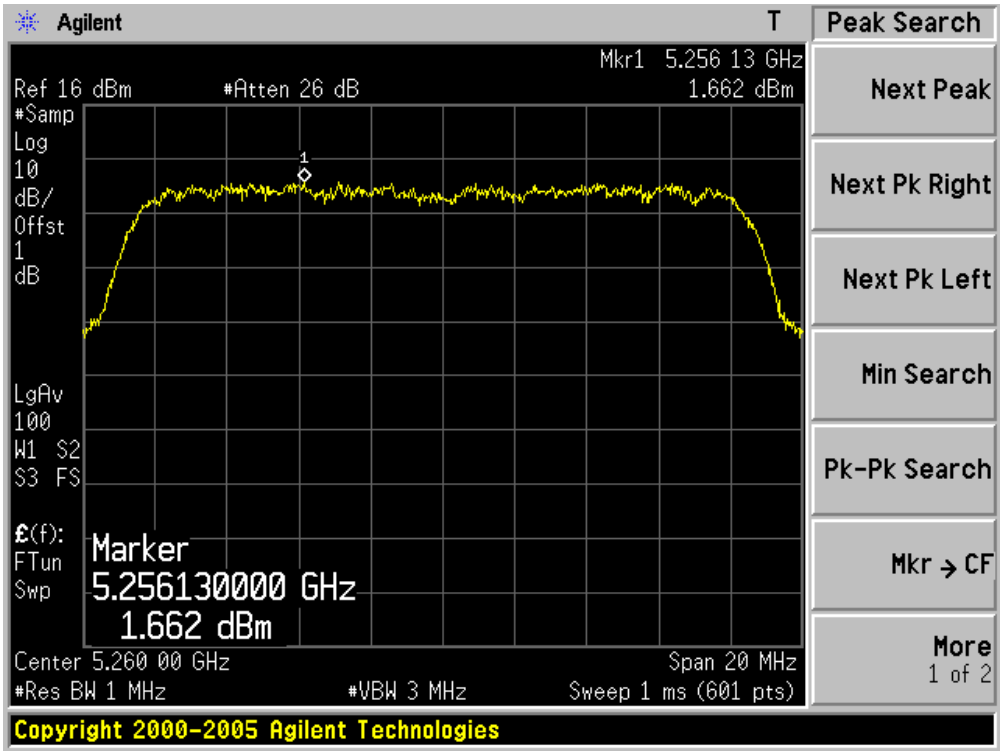
Channel 40 (5200MHz)



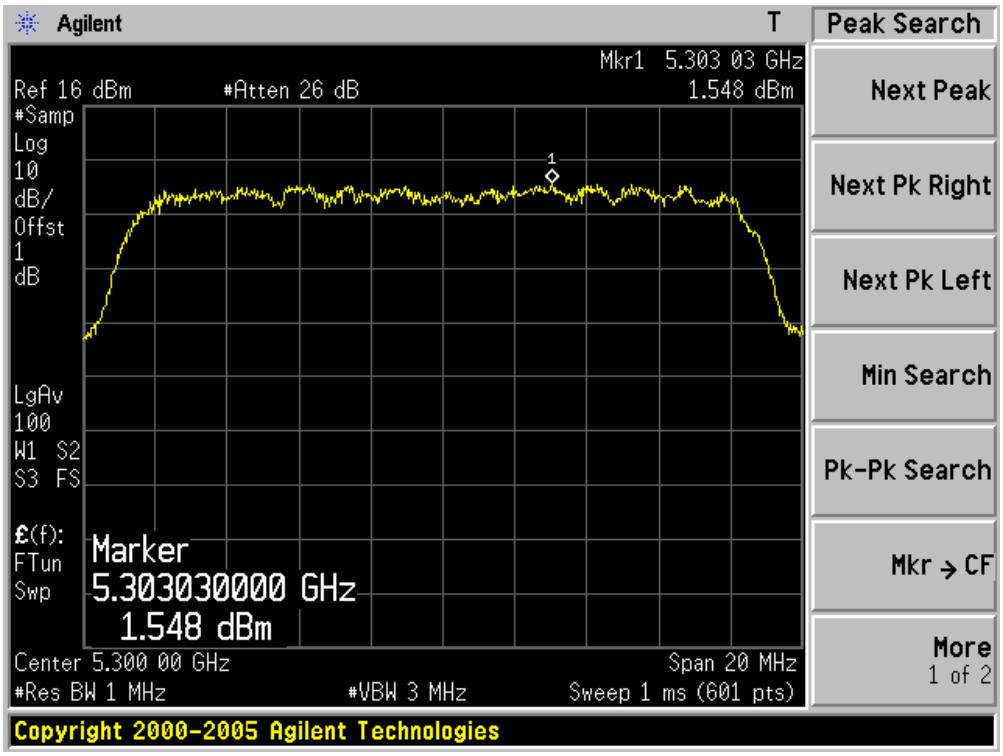
Channel 48 (5240MHz)



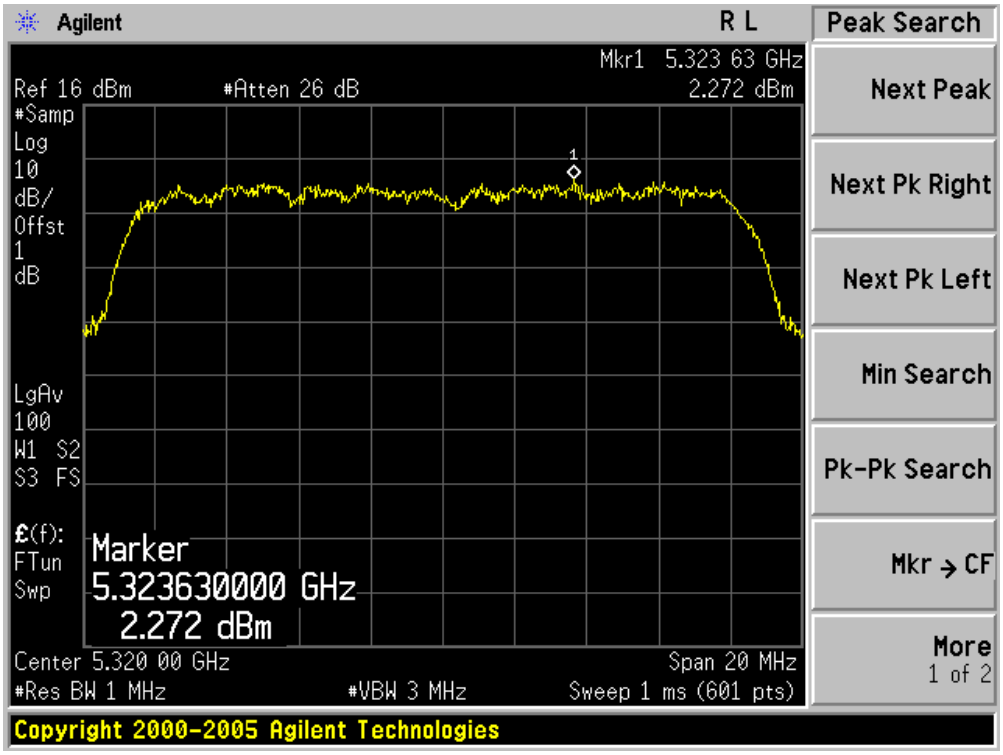
Channel 52 (5260MHz)



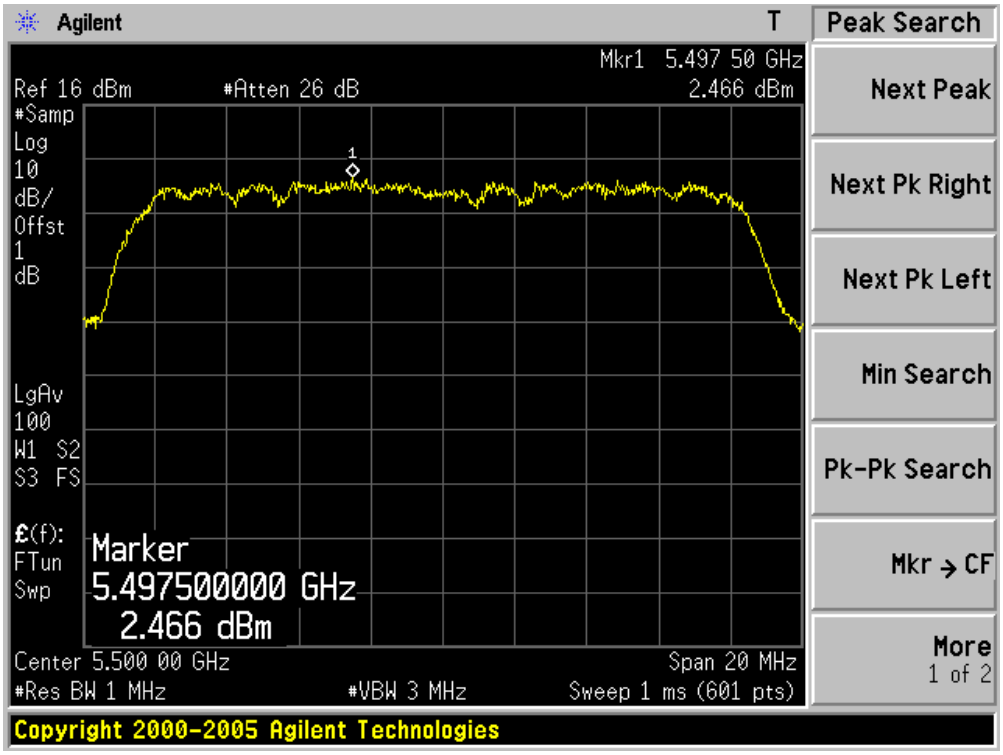
Channel 60 (5300MHz)



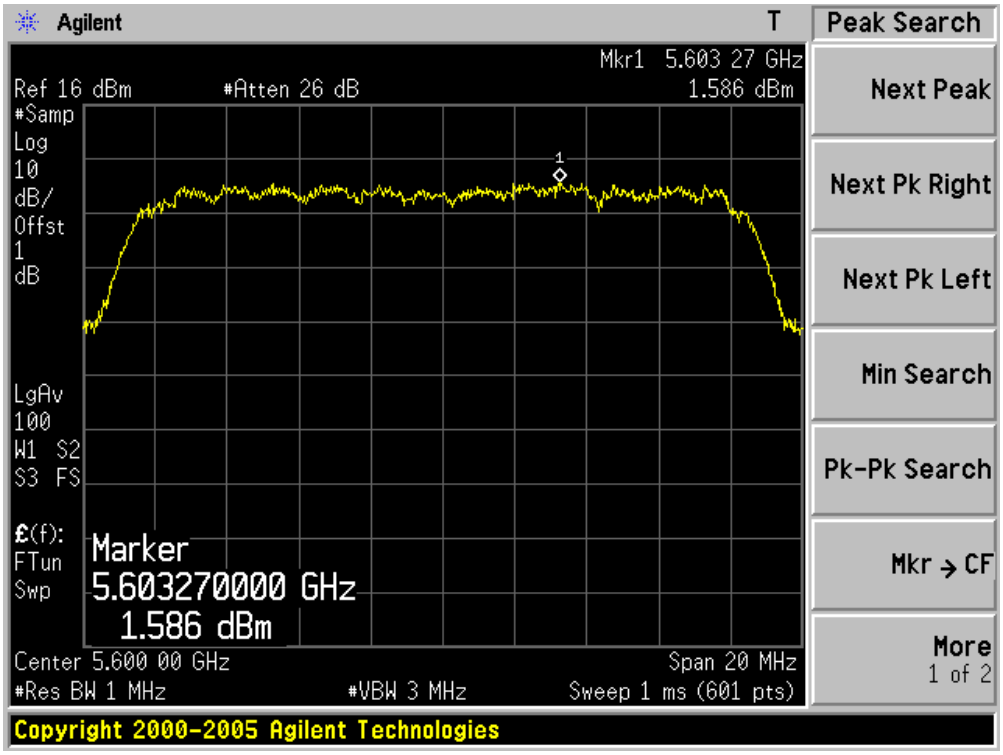
Channel 64 (5320MHz)



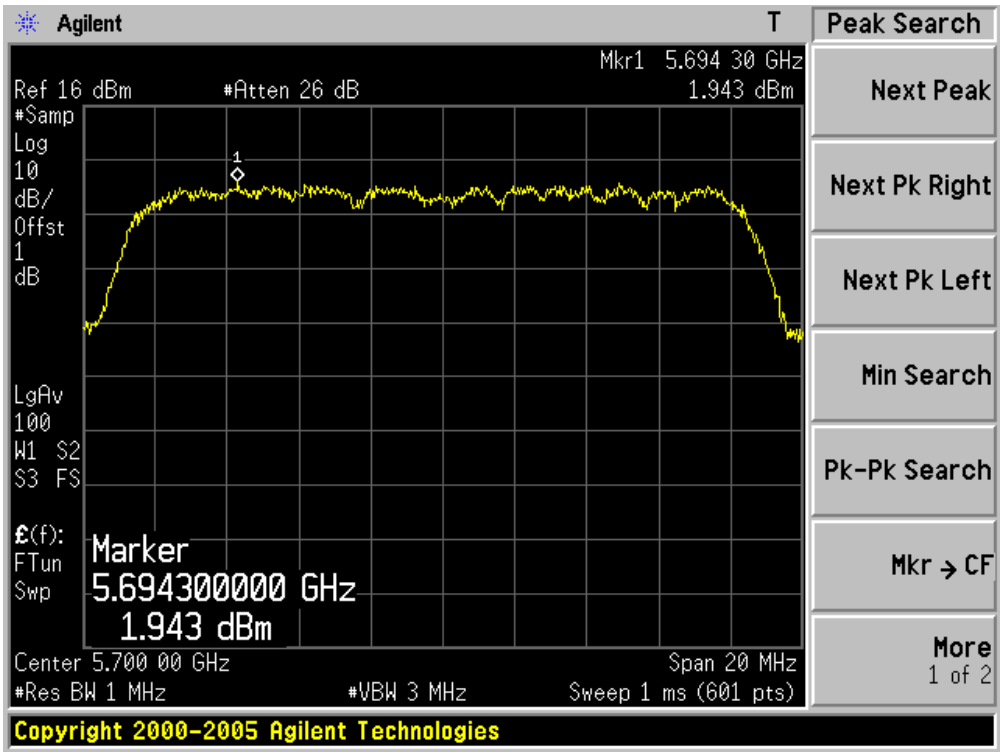
Channel 100 (5500MHz)



Channel 120 (5600MHz)



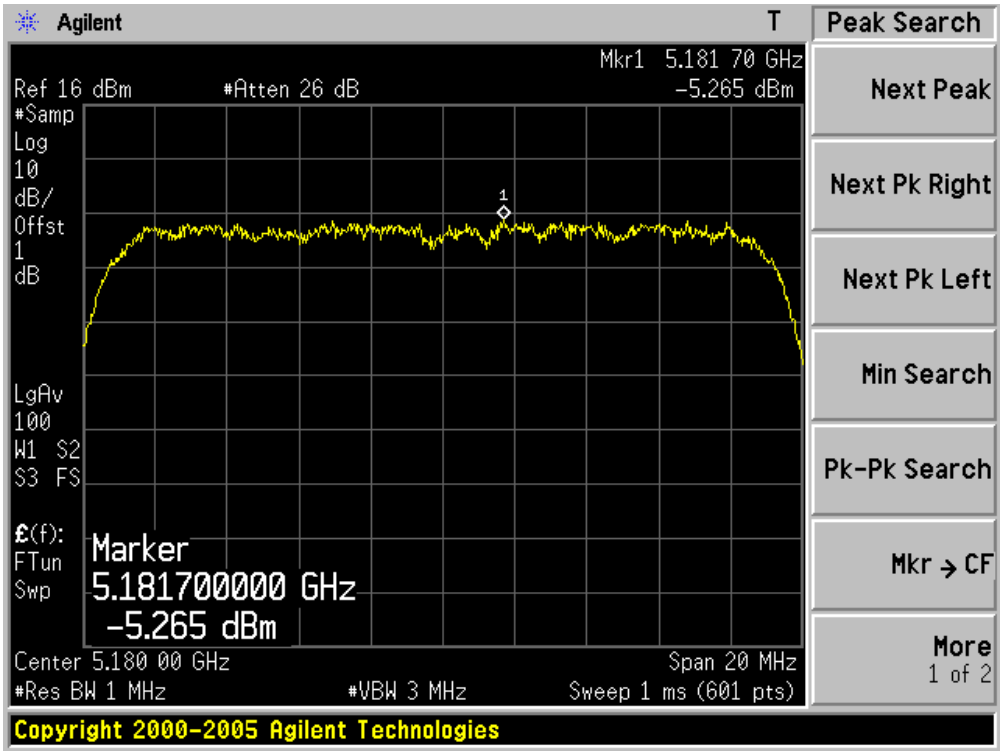
Channel 140 (5700MHz)



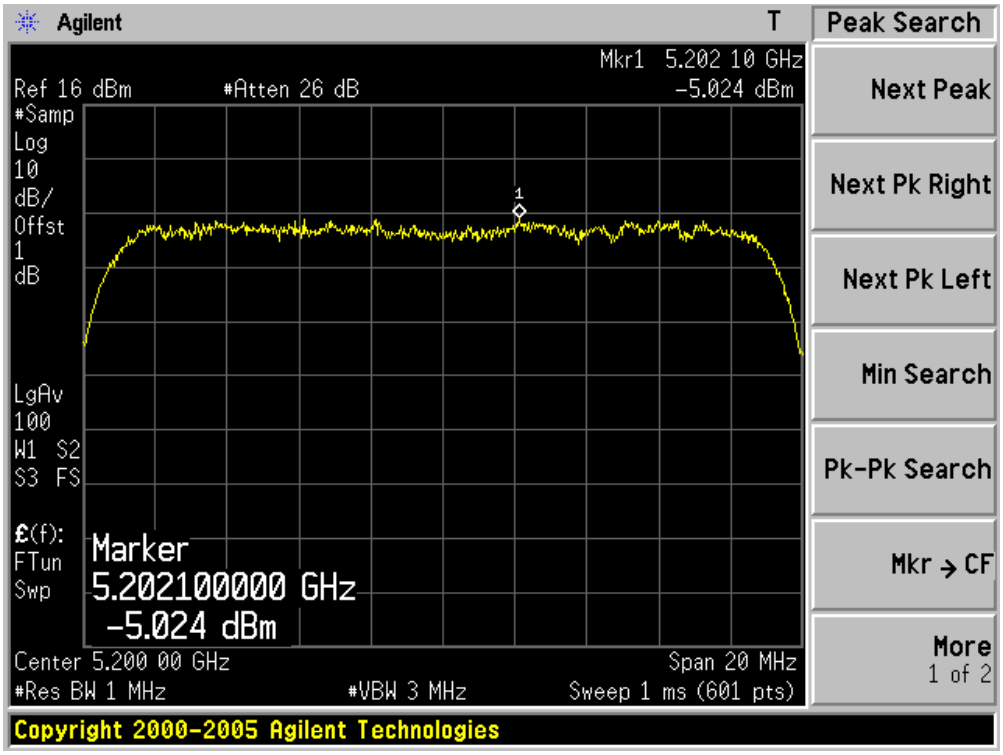
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
36	5180	-5.265	N/A	-5.265	4	Pass
40	5200	-5.024	N/A	-5.024	4	Pass
48	5240	-4.909	N/A	-4.909	4	Pass
52	5260	2.208	N/A	2.208	11	Pass
60	5300	1.805	N/A	1.805	11	Pass
64	5320	1.882	N/A	1.882	11	Pass
100	5500	1.429	N/A	1.429	11	Pass
120	5600	1.578	N/A	1.578	11	Pass
140	5700	1.188	N/A	1.188	11	Pass

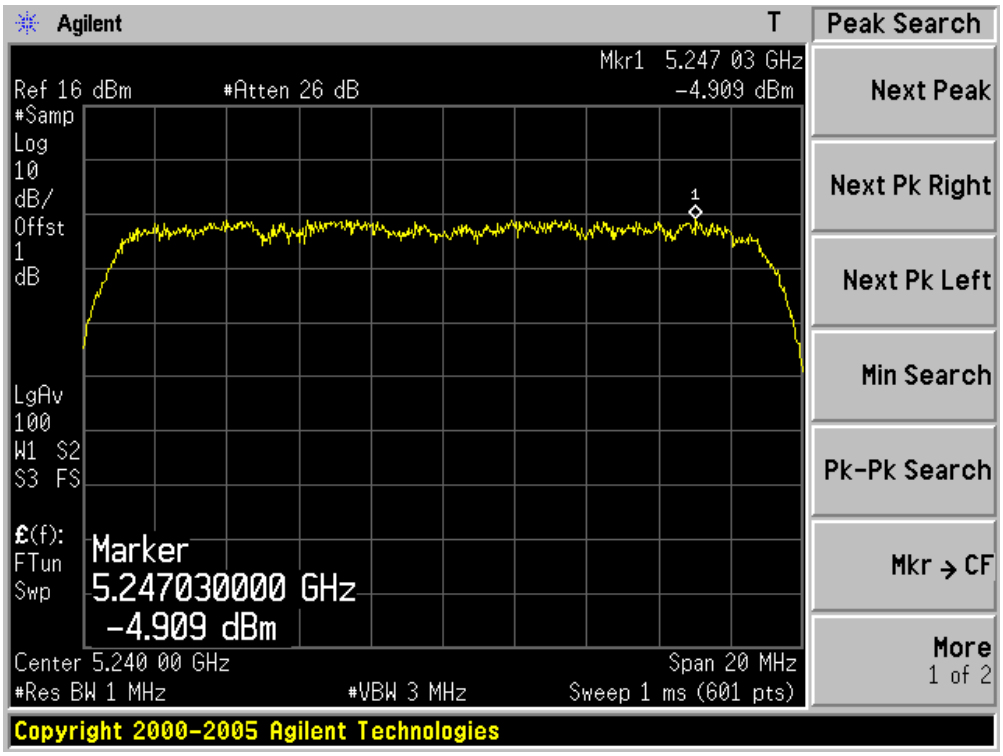
Channel 36 (5180MHz)



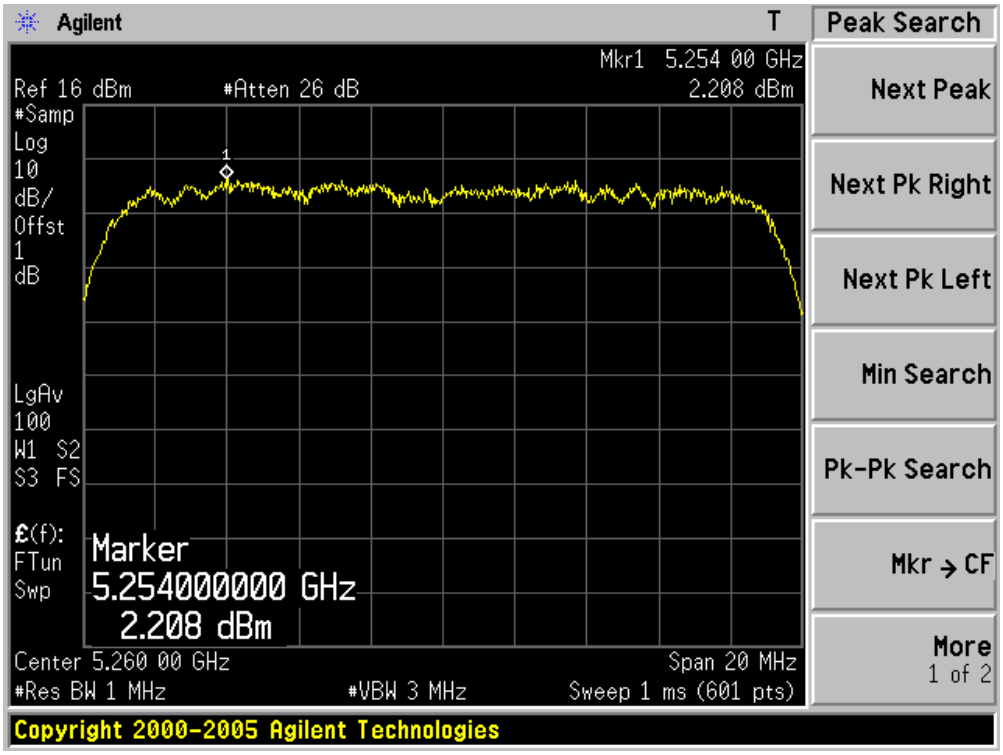
Channel 40 (5200MHz)



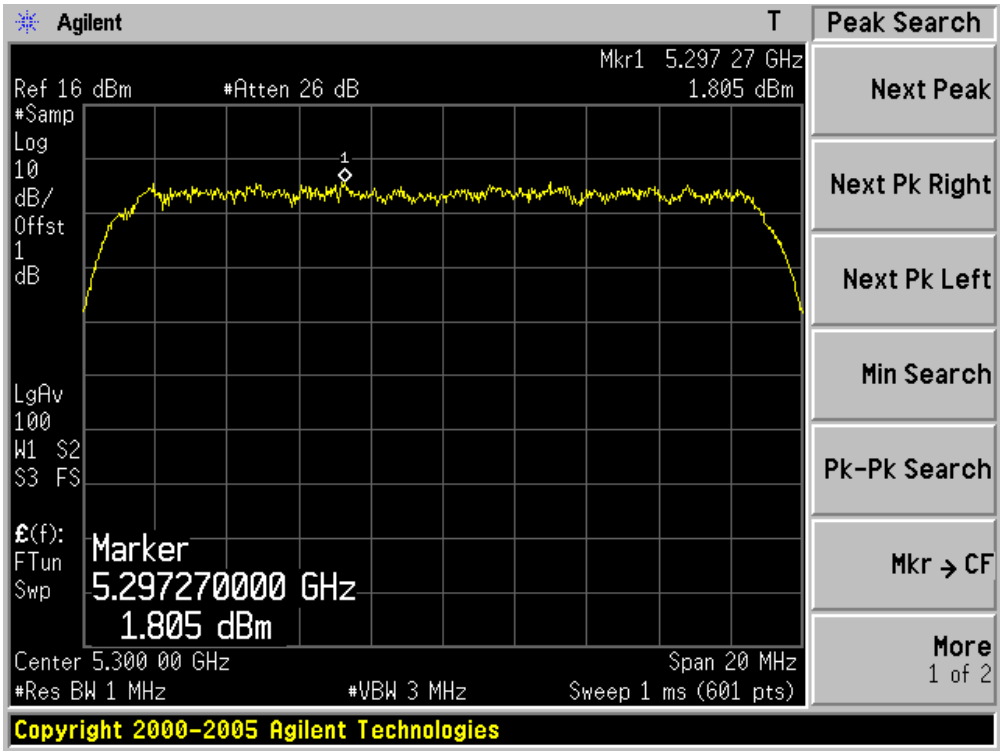
Channel 48 (5240MHz)



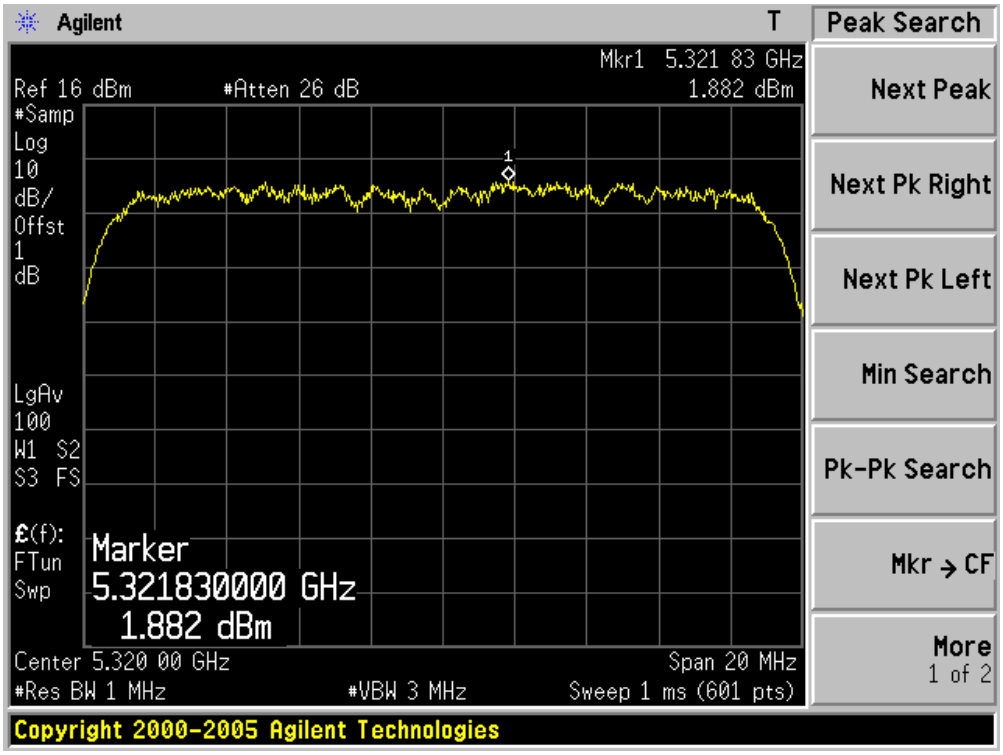
Channel 52 (5260MHz)



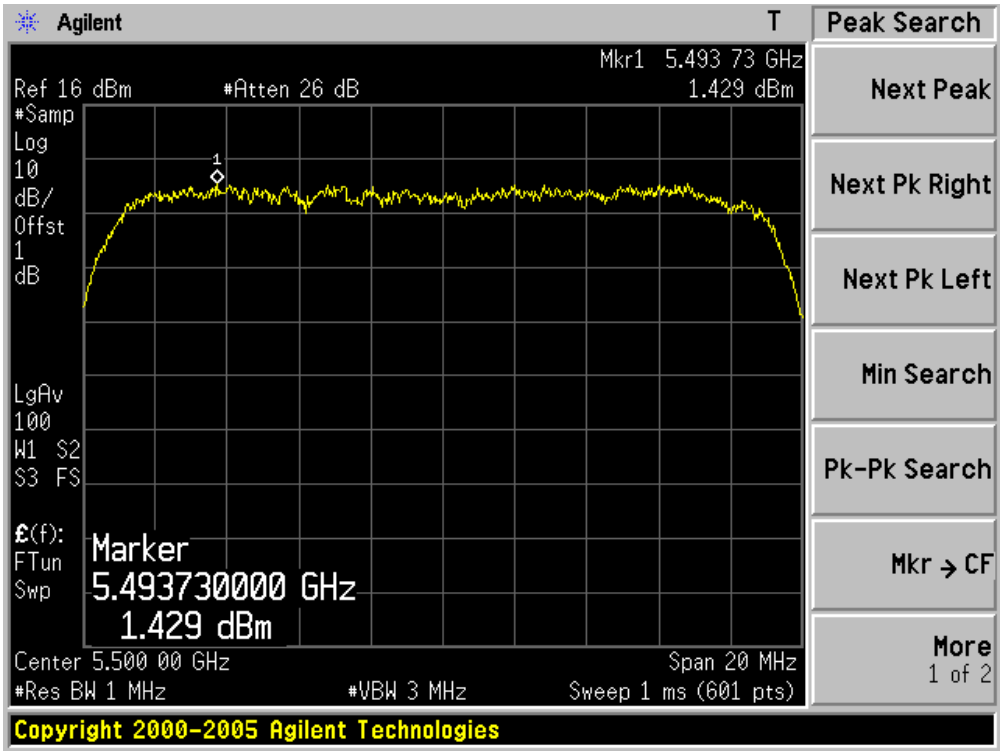
Channel 60 (5300MHz)



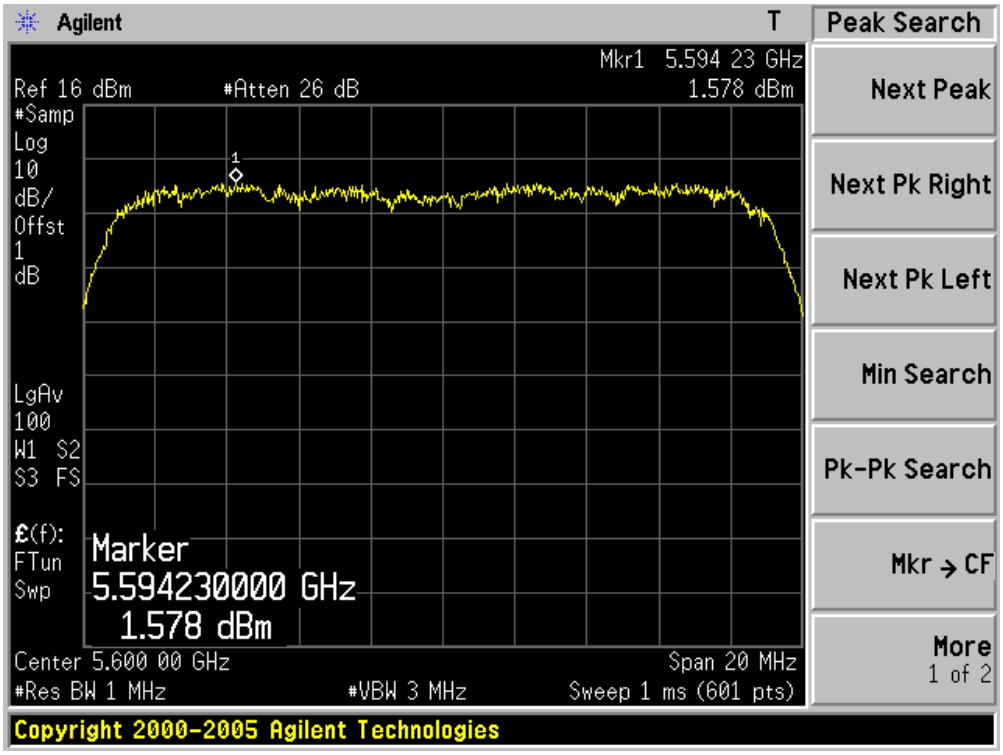
Channel 64 (5320MHz)



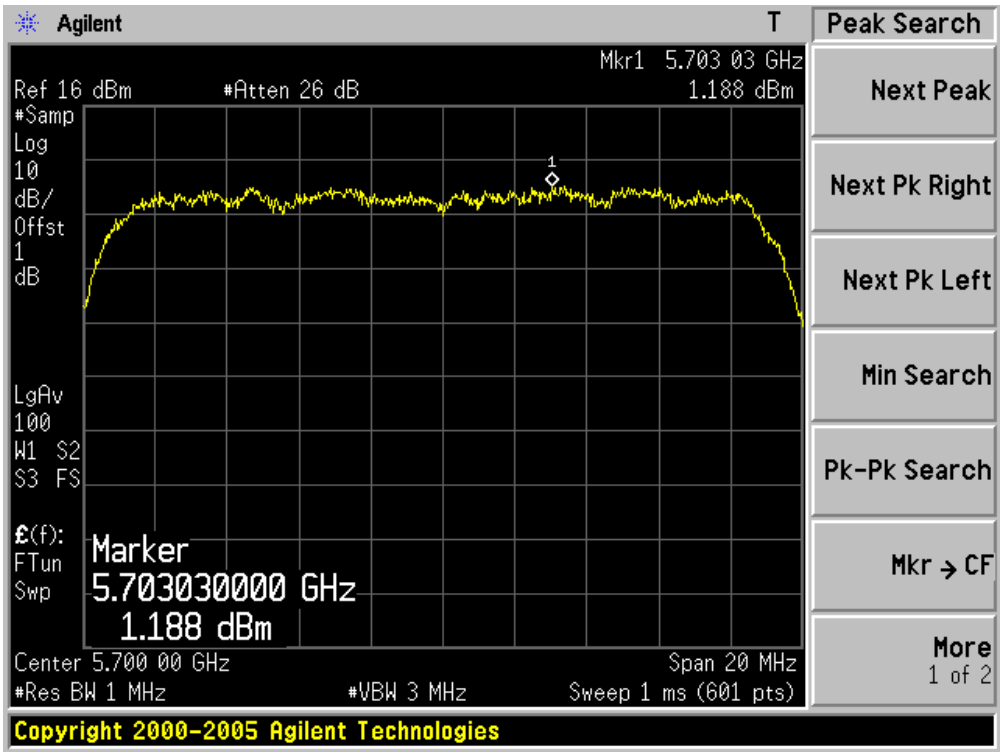
Channel 100 (5500MHz)



Channel 120 (5600MHz)



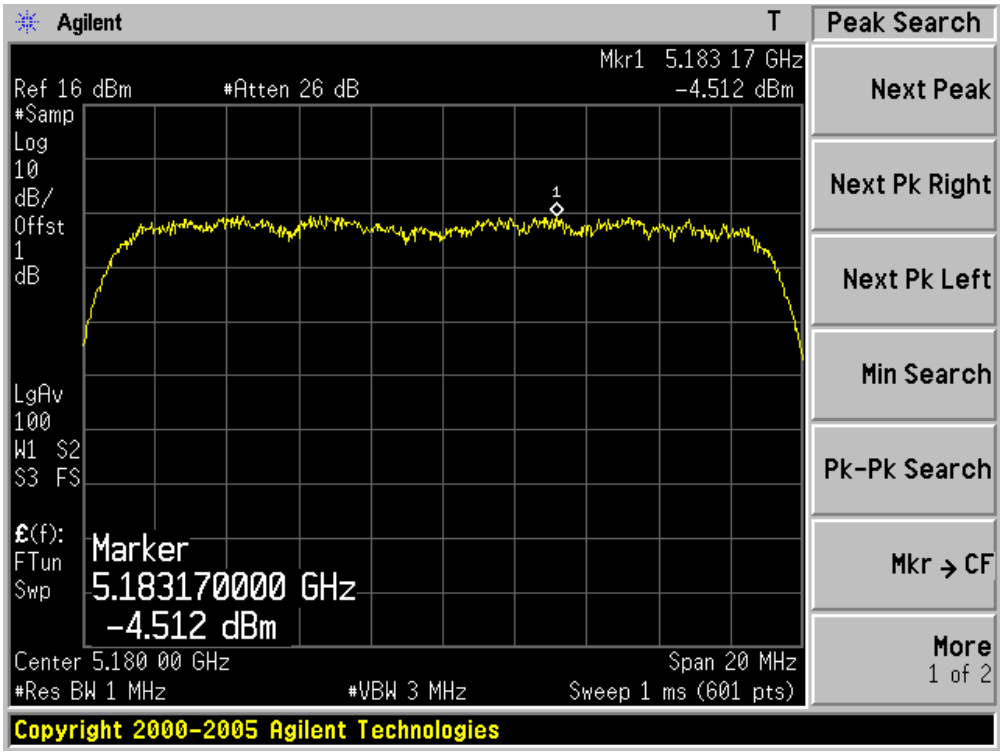
Channel 140 (5700MHz)



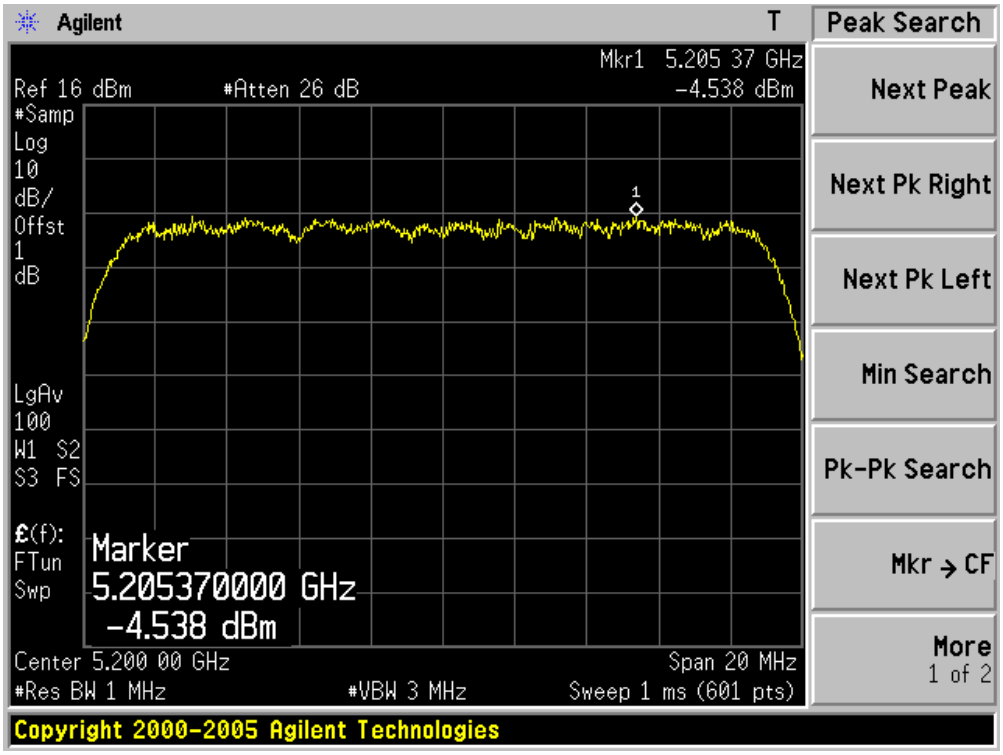
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
36	5180	N/A	-4.512	-4.512	4	Pass
40	5200	N/A	-4.538	-4.538	4	Pass
48	5240	N/A	-4.775	-4.775	4	Pass
52	5260	N/A	1.712	1.712	11	Pass
60	5300	N/A	1.352	1.352	11	Pass
64	5320	N/A	1.230	1.230	11	Pass
100	5500	N/A	1.714	1.714	11	Pass
120	5600	N/A	1.409	1.409	11	Pass
140	5700	N/A	1.461	1.461	11	Pass

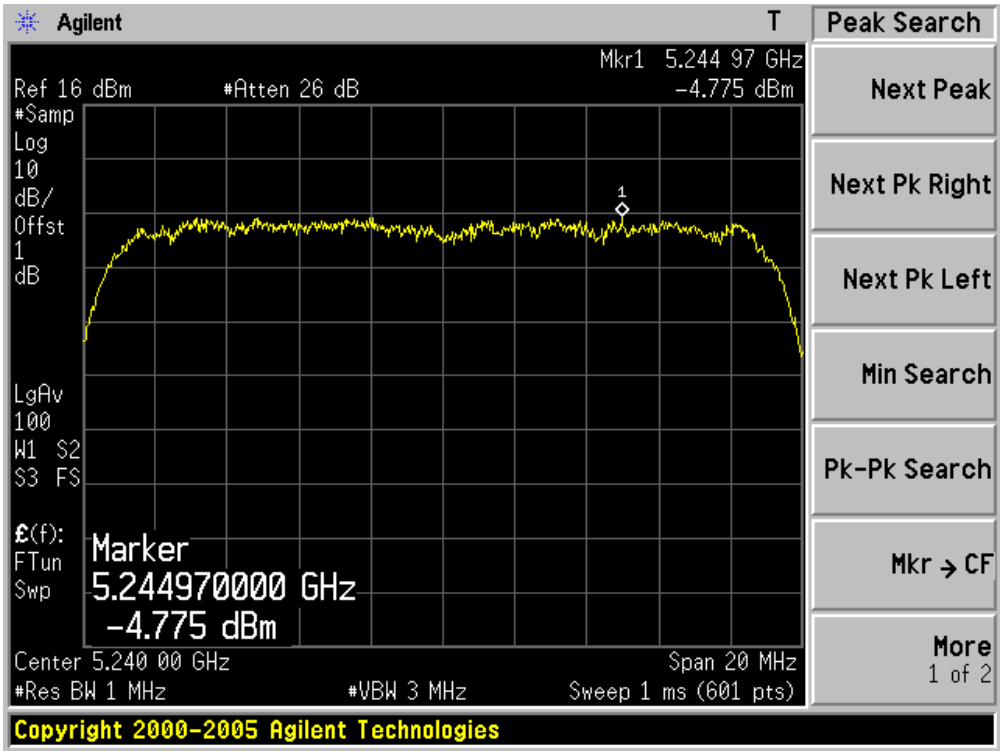
Channel 36 (5180MHz)



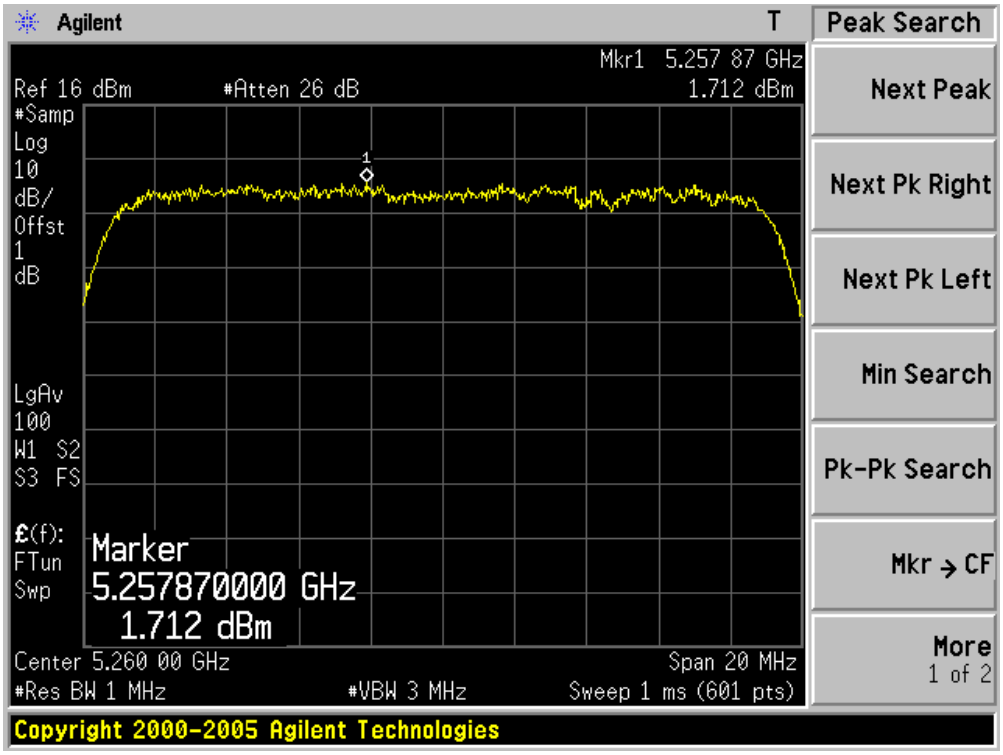
Channel 40 (5200MHz)



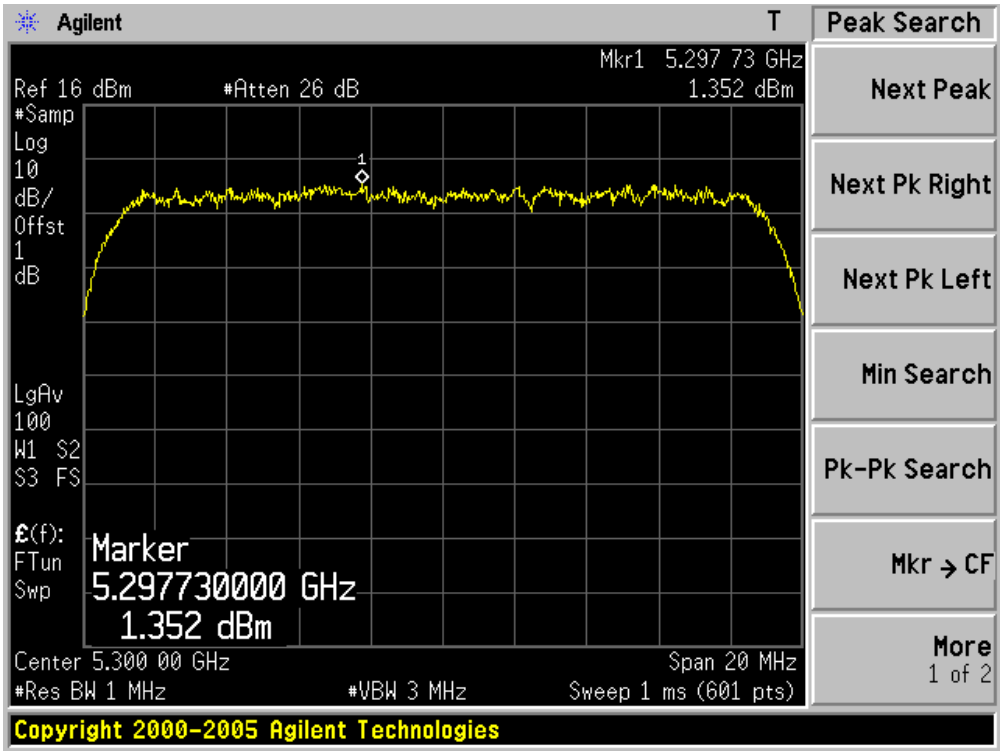
Channel 48 (5240MHz)



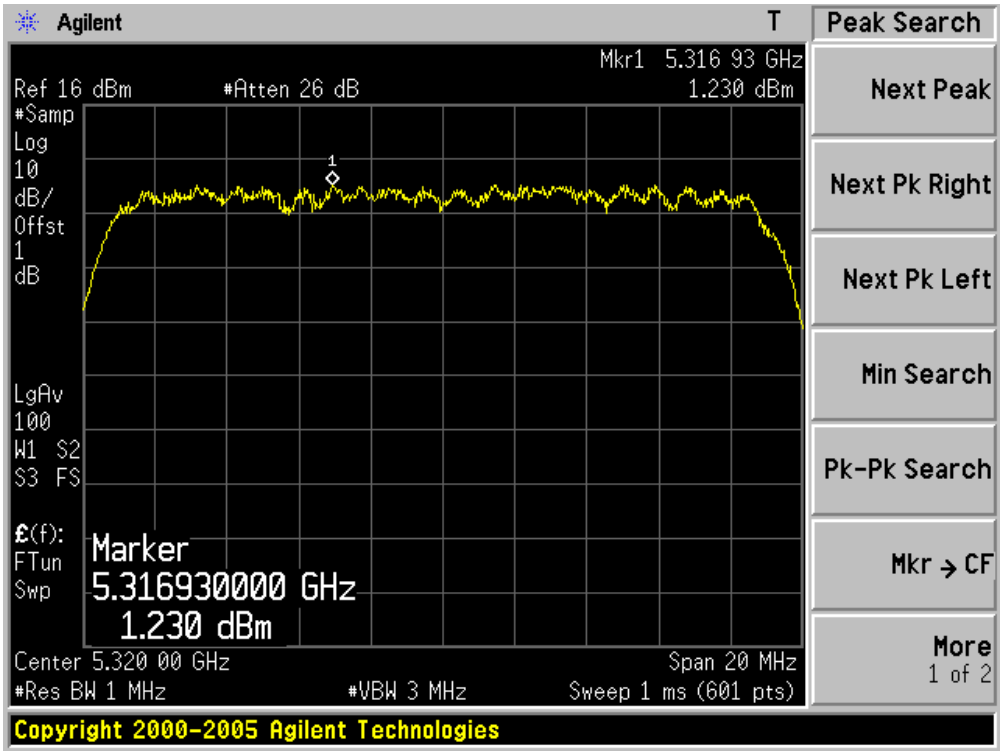
Channel 52 (5260MHz)



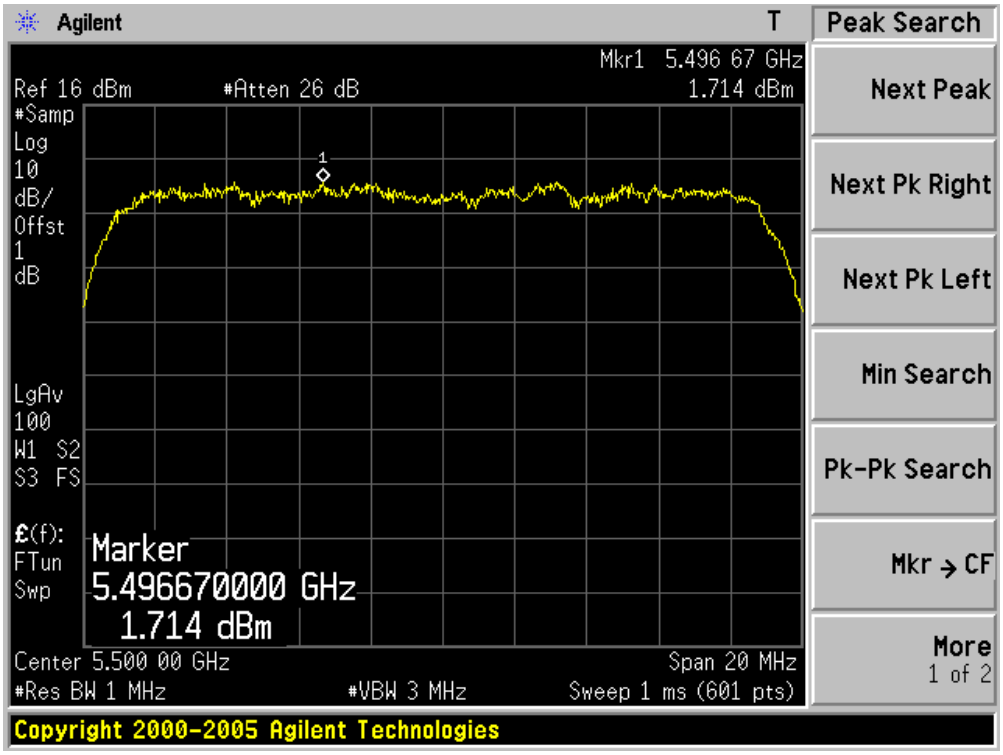
Channel 60 (5300MHz)



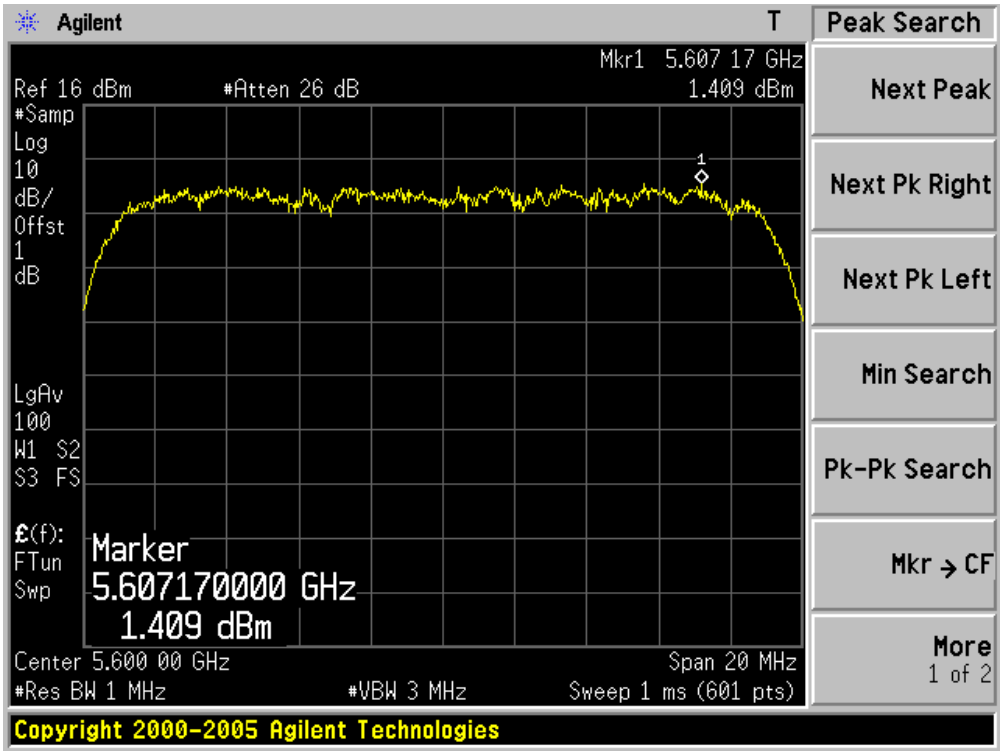
Channel 64 (5320MHz)



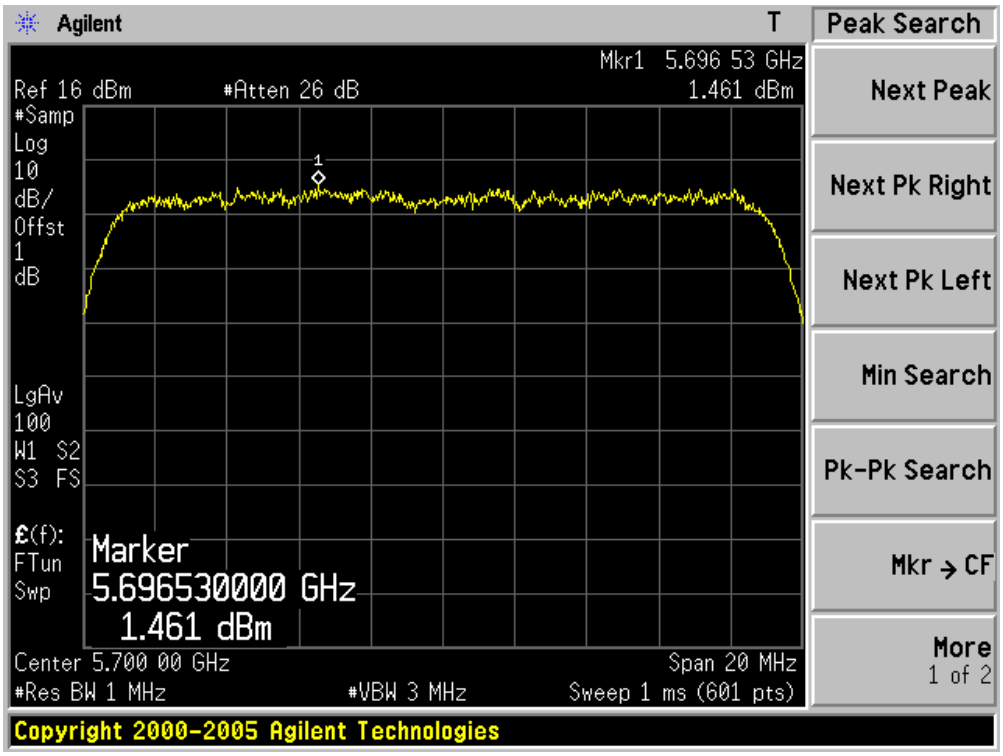
Channel 100 (5500MHz)



Channel 120 (5600MHz)



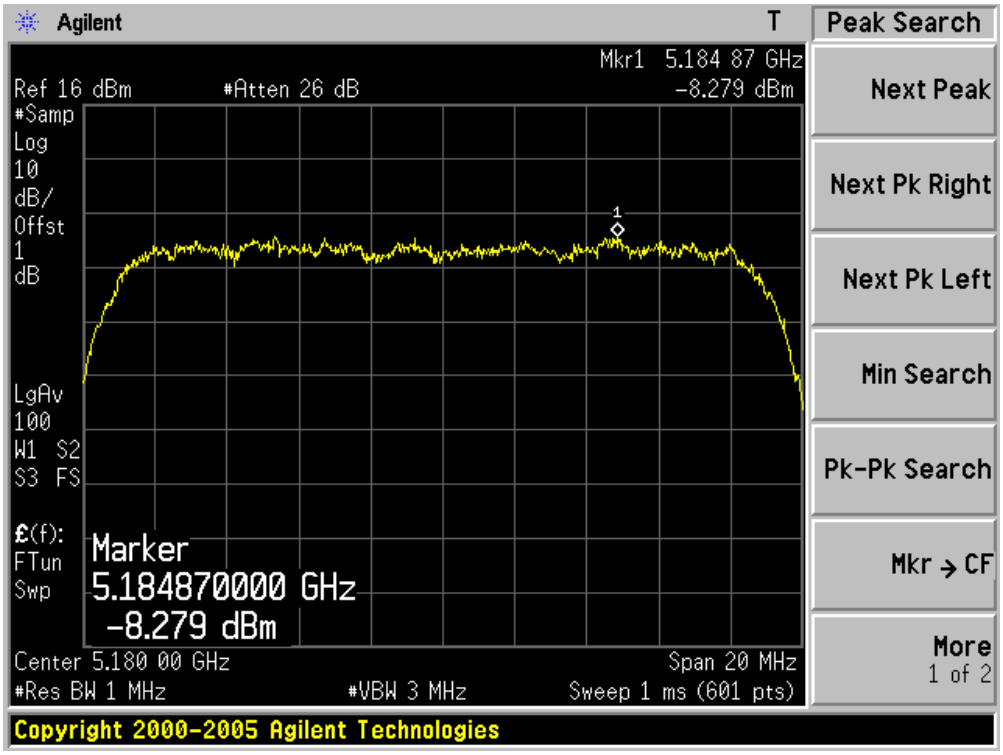
Channel 140 (5700MHz)



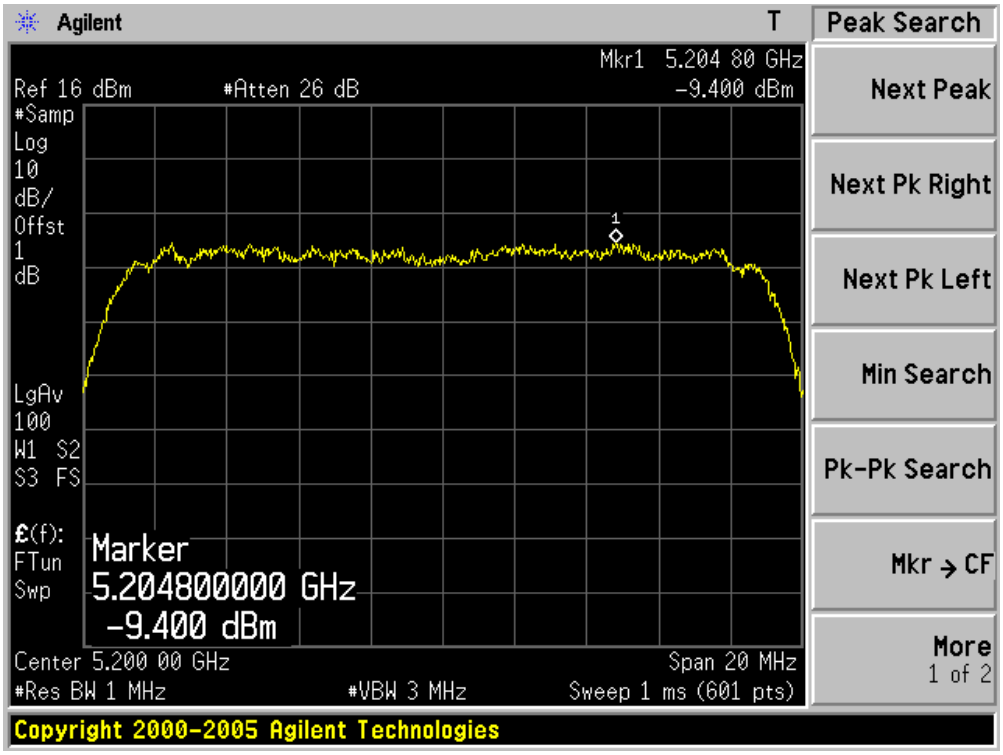
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
36	5180	-8.279	-8.414	-5.34	4	Pass
40	5200	-9.400	-8.999	-6.18	4	Pass
48	5240	-9.328	-9.521	-6.41	4	Pass
52	5260	-1.863	-1.997	1.08	11	Pass
60	5300	-2.250	-2.026	0.87	11	Pass
64	5320	-2.497	-2.243	0.64	11	Pass
100	5500	-2.372	-2.254	0.70	11	Pass
120	5600	-2.690	-2.509	0.41	11	Pass
140	5700	-3.017	-2.986	0.01	11	Pass

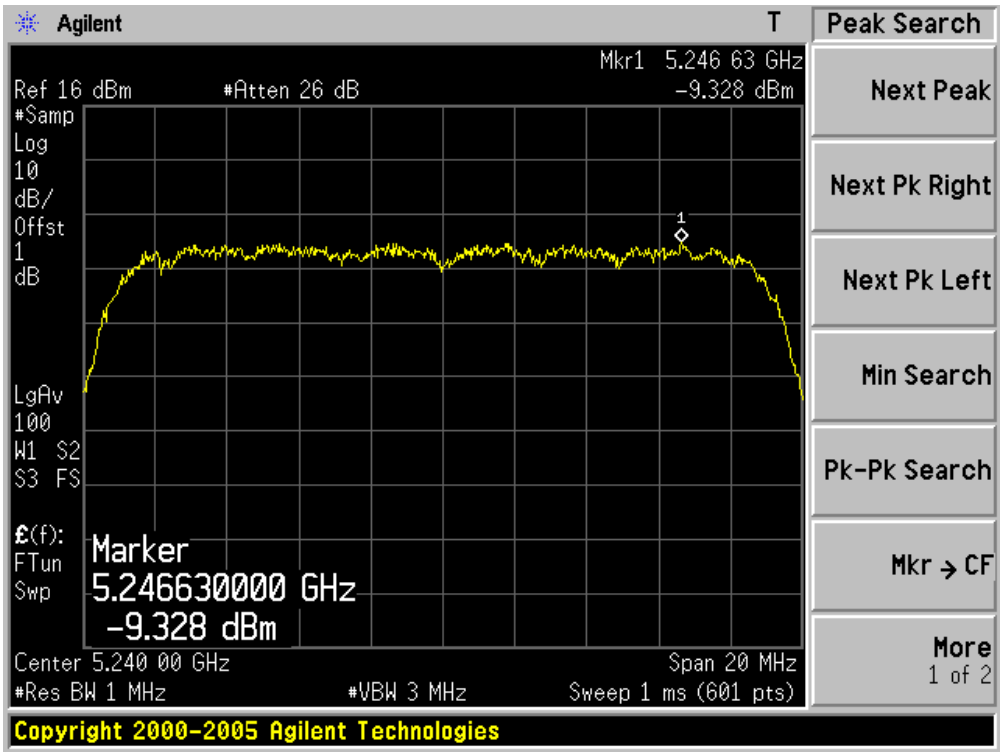
Channel 36 (5180MHz) - Chain A



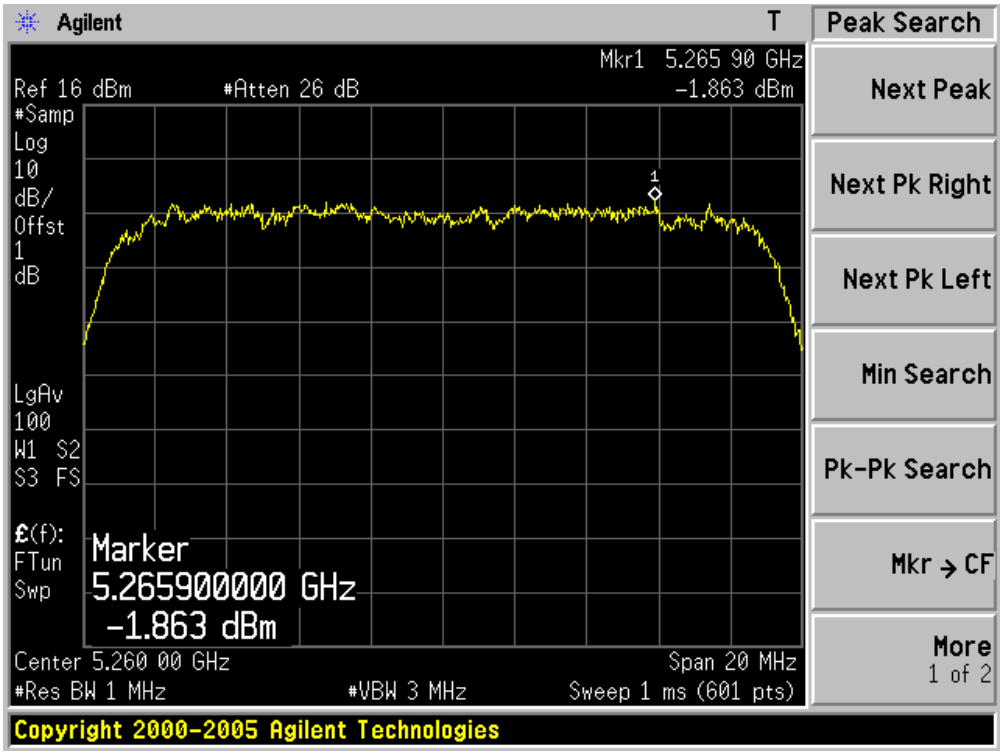
Channel 40 (5200MHz) - Chain A



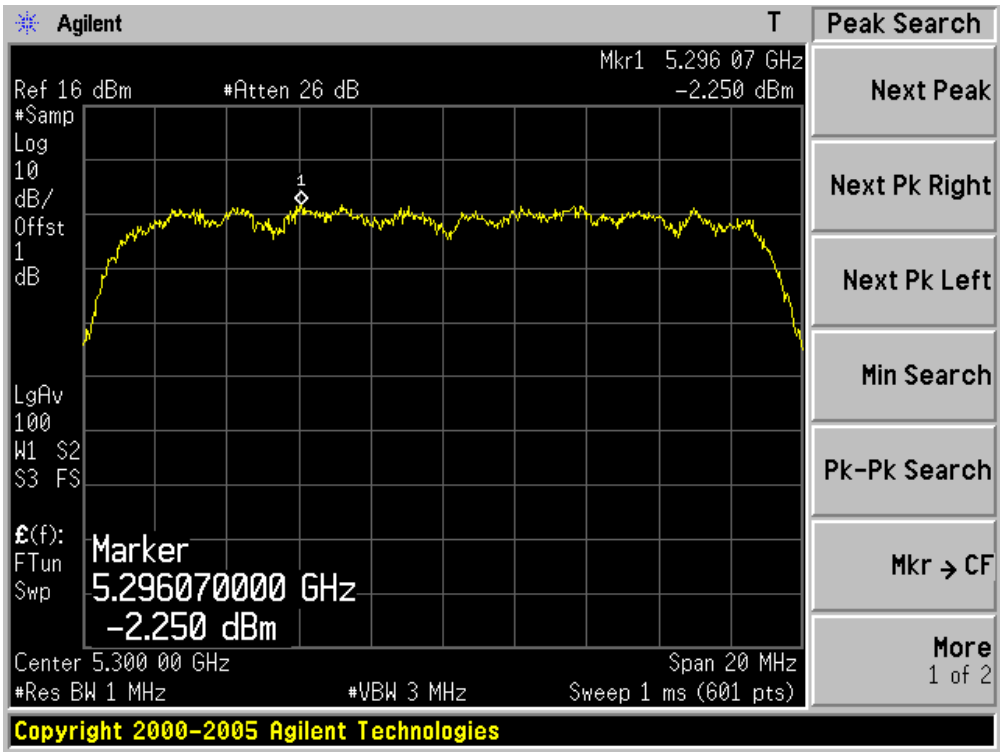
Channel 48 (5240MHz) - Chain A



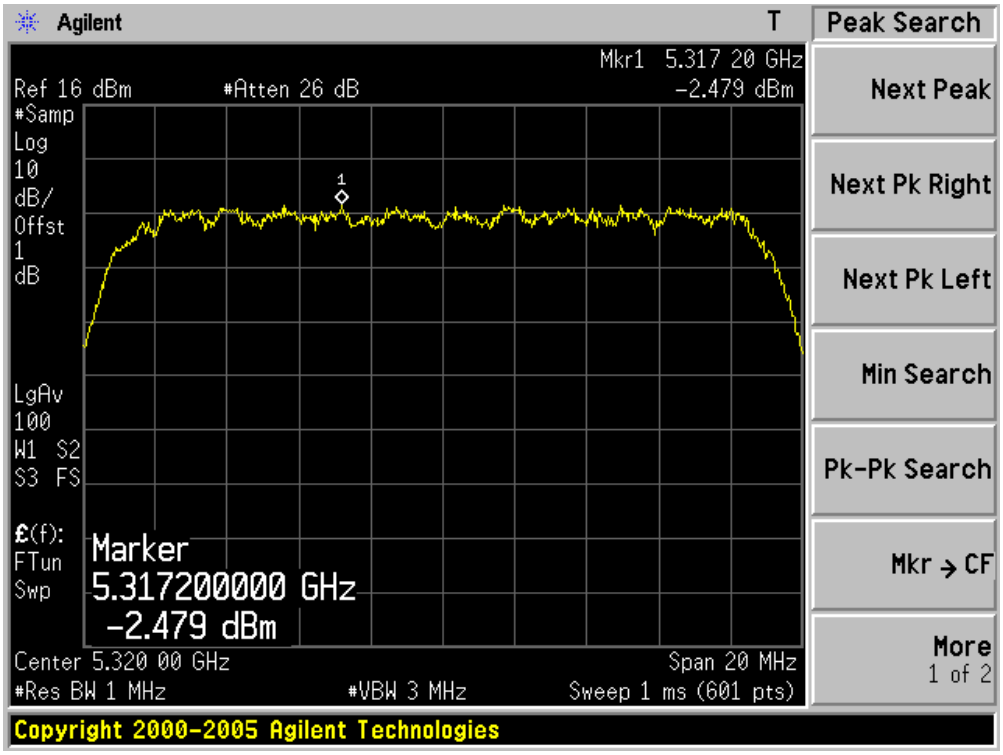
Channel 52 (5260MHz) - Chain A



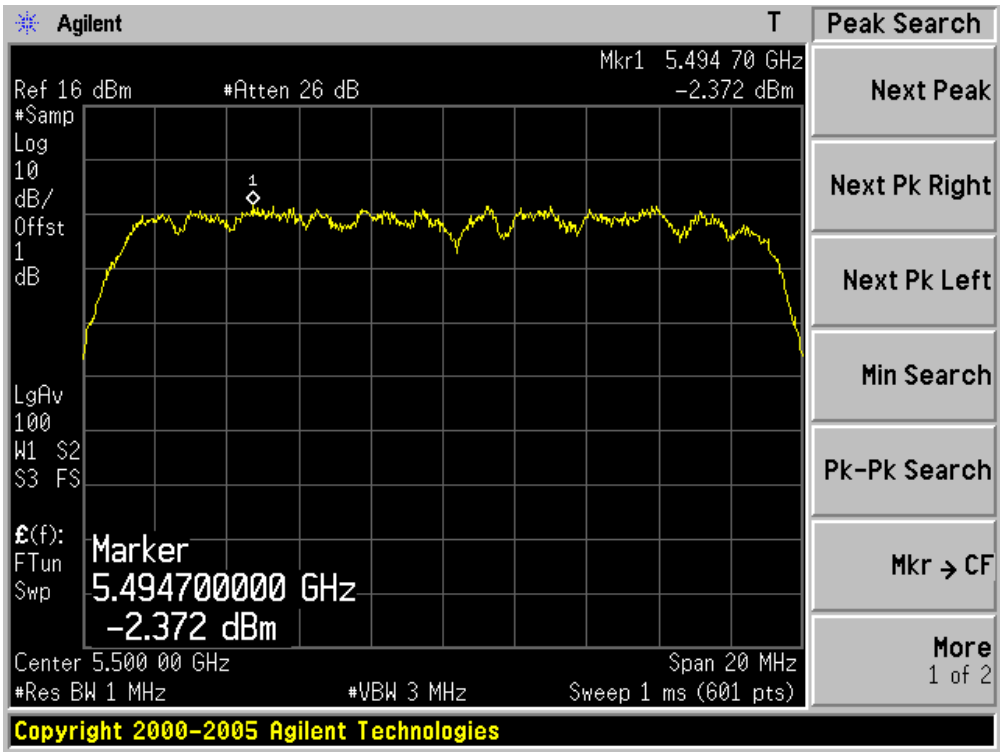
Channel 60 (5300MHz) - Chain A



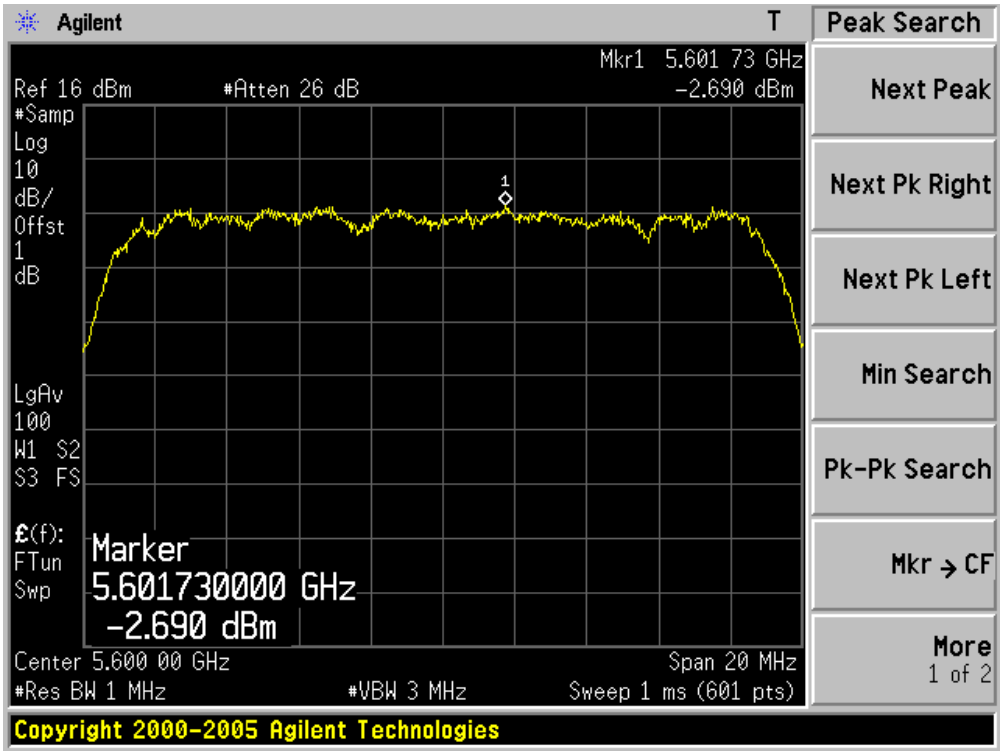
Channel 64 (5320MHz) - Chain A



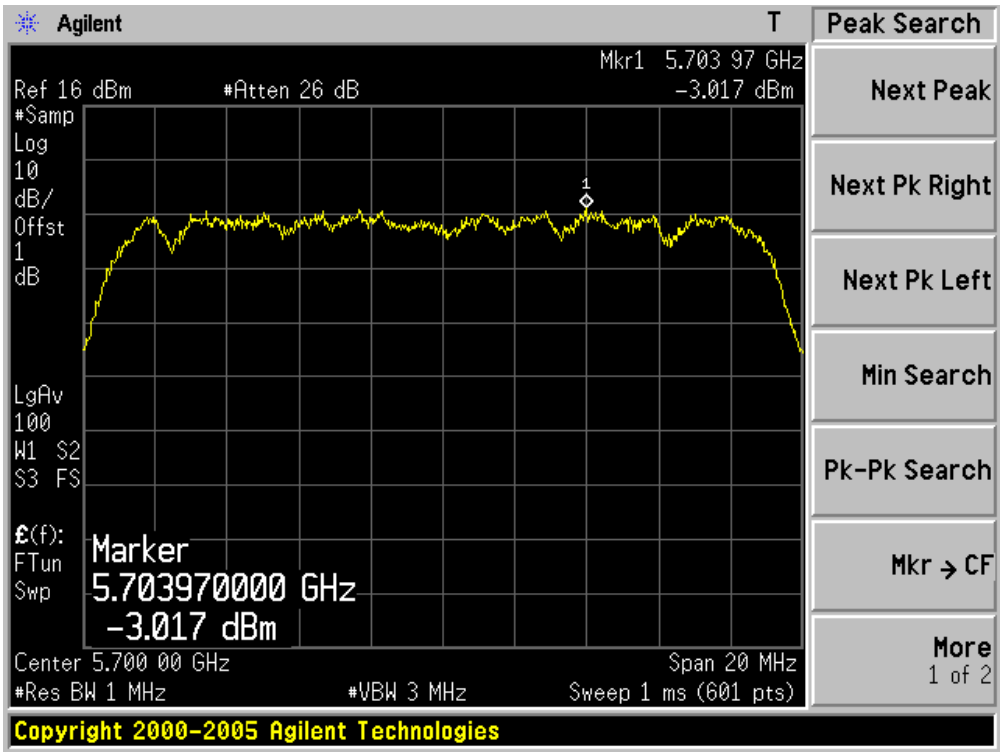
Channel 100 (5500MHz) - Chain A



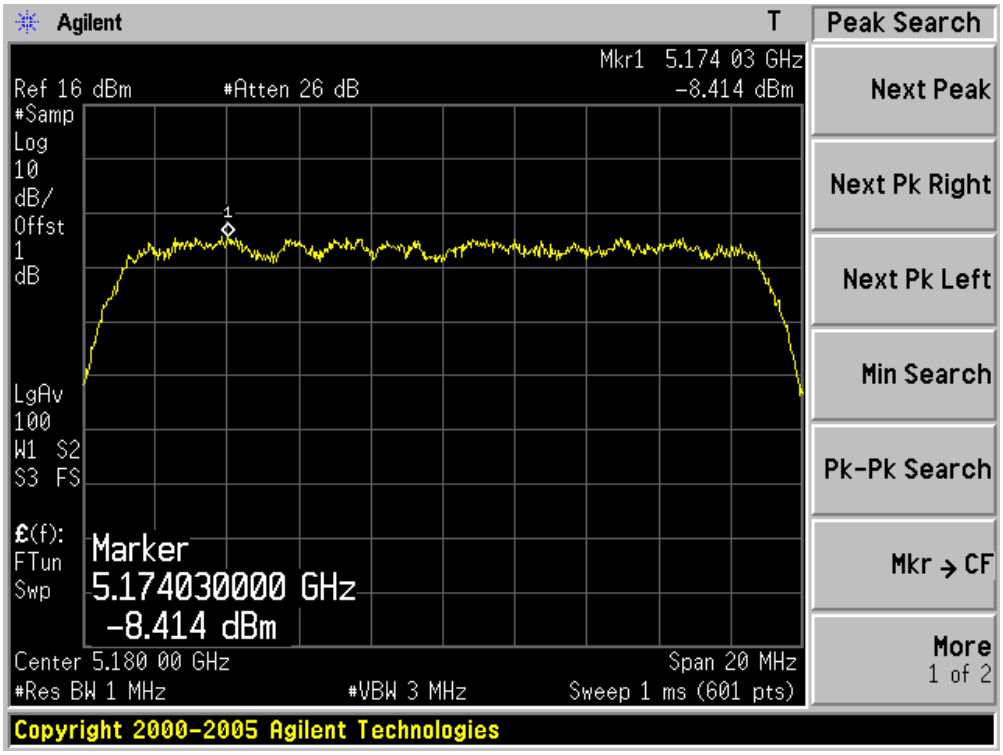
Channel 120 (5600MHz) - Chain A



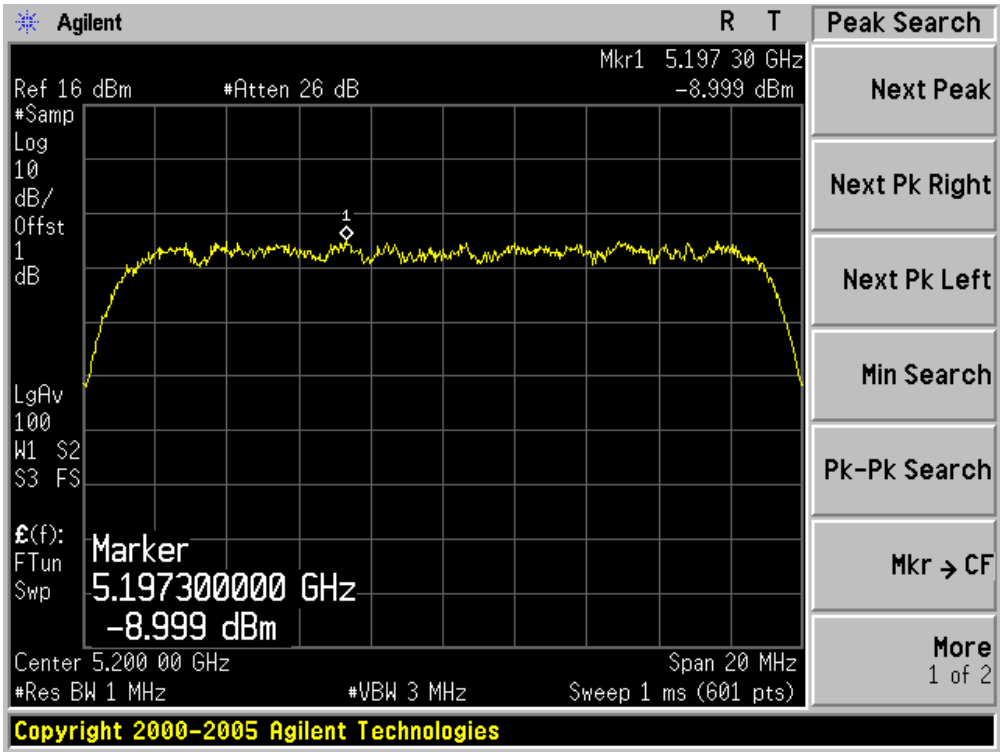
Channel 140 (5700MHz) - Chain A



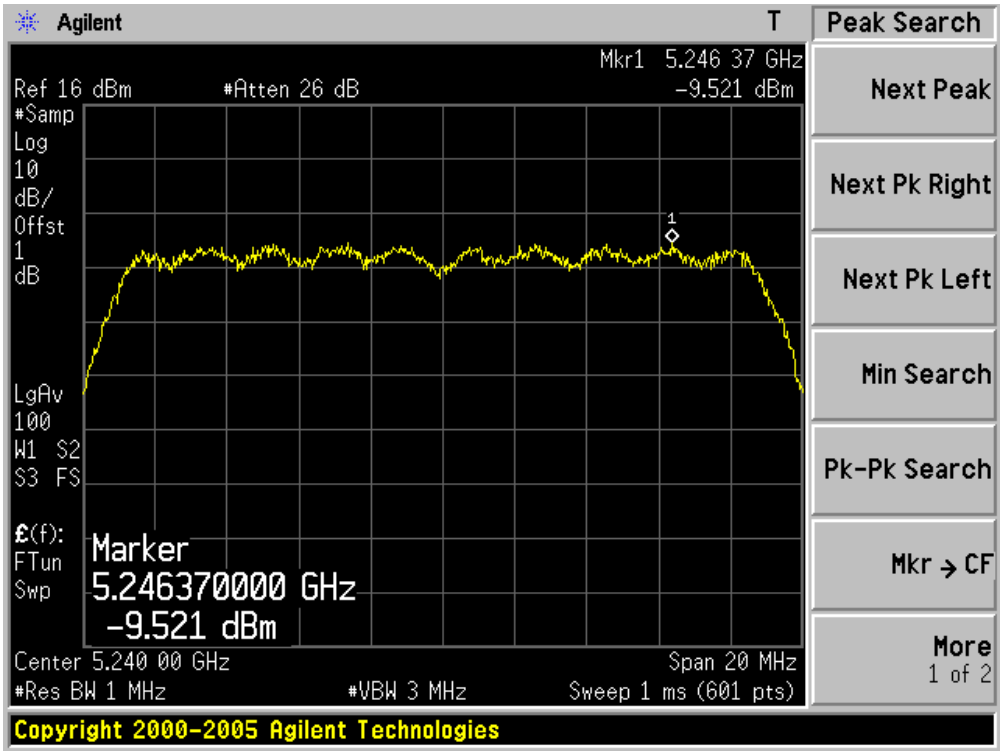
Channel 36 (5180MHz) - Chain B



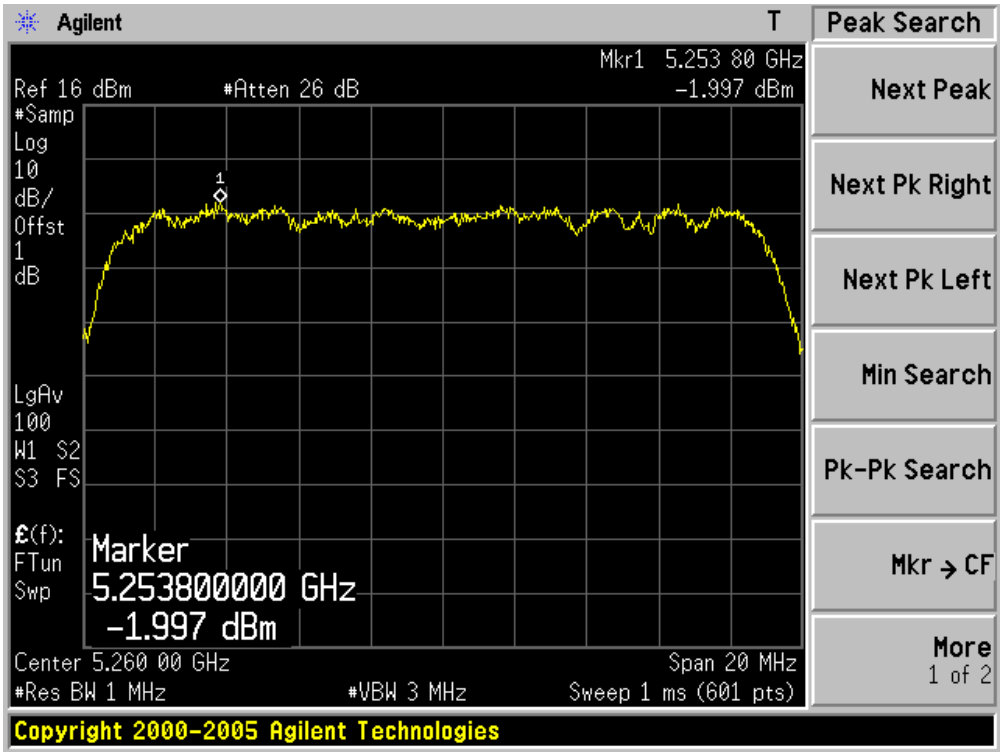
Channel 40 (5200MHz) - Chain B



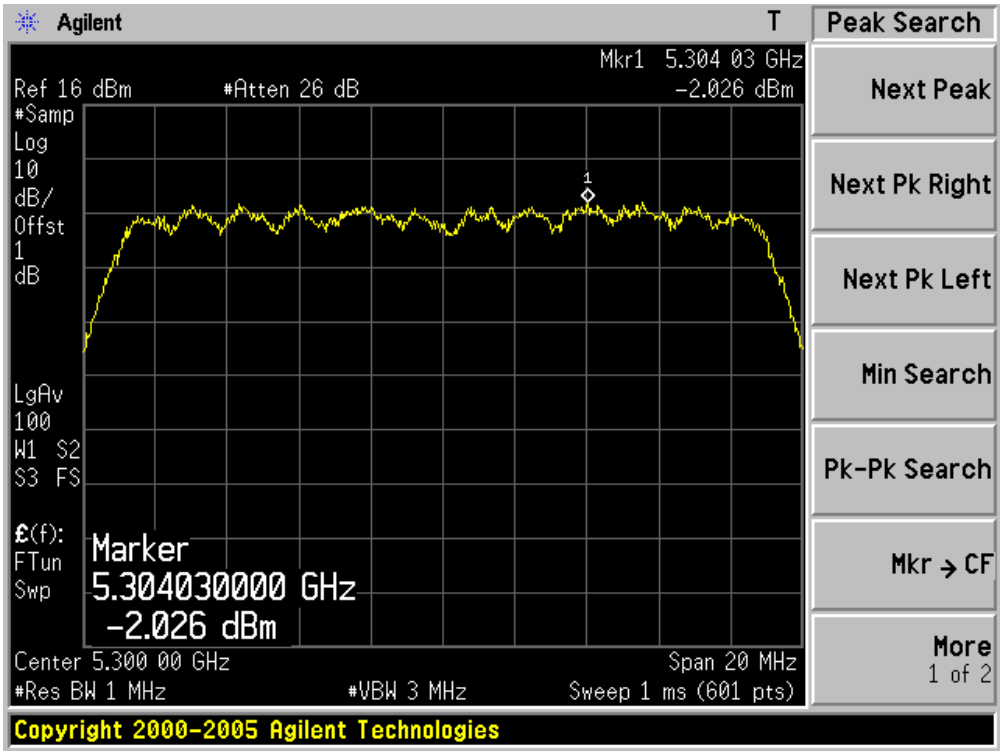
Channel 48 (5240MHz) - Chain B



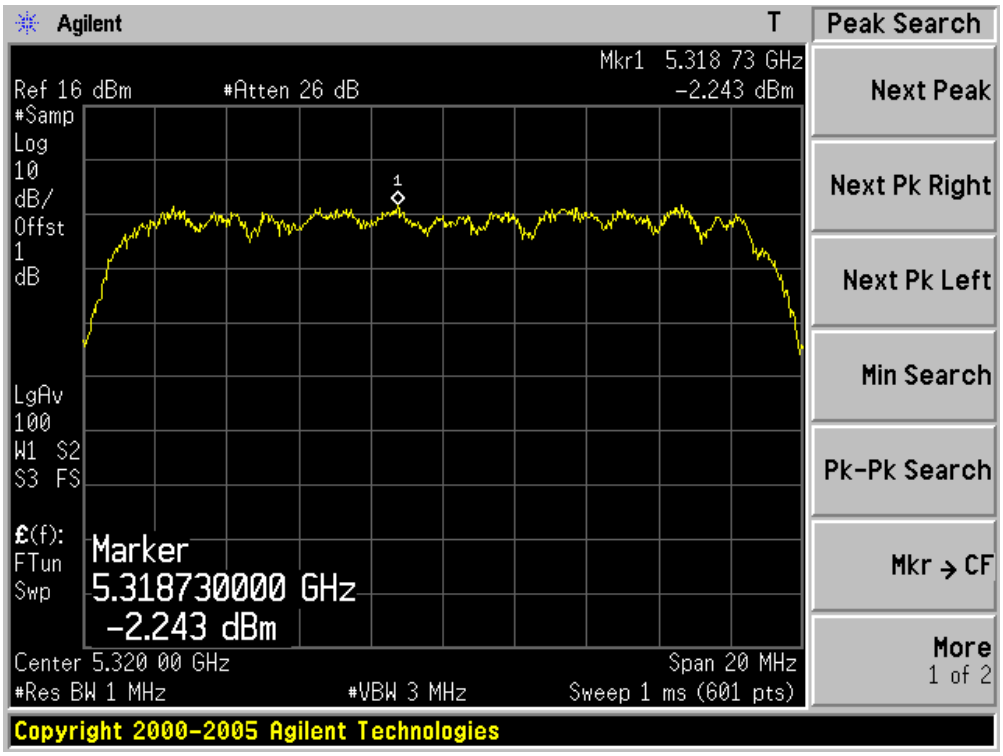
Channel 52 (5260MHz) - Chain B



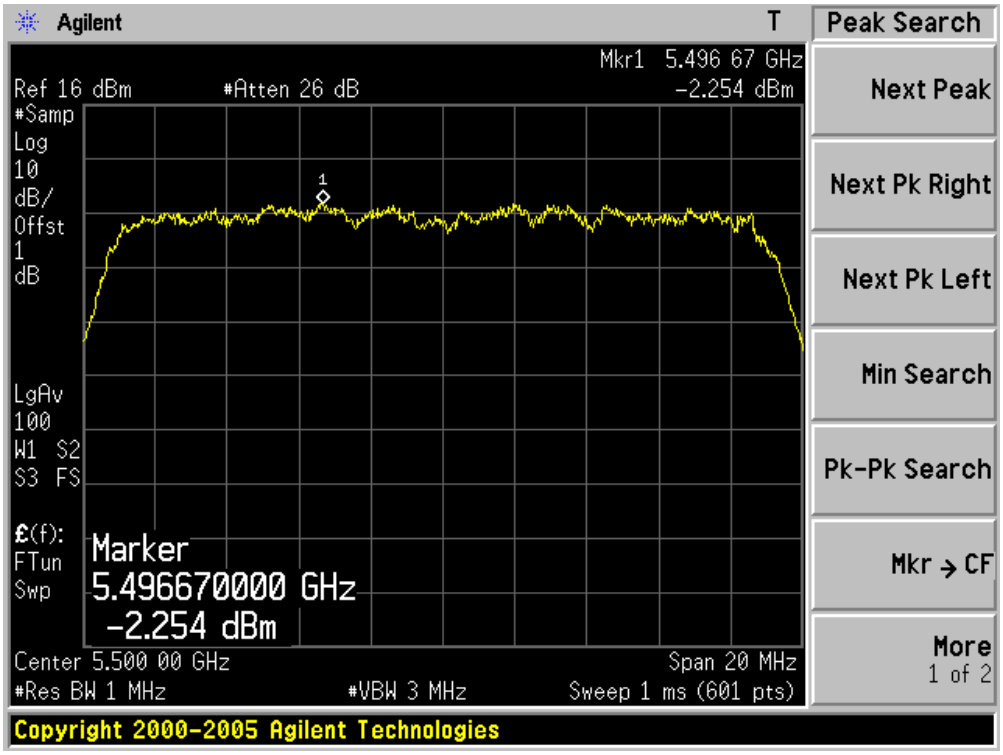
Channel 60 (5300MHz) - Chain B



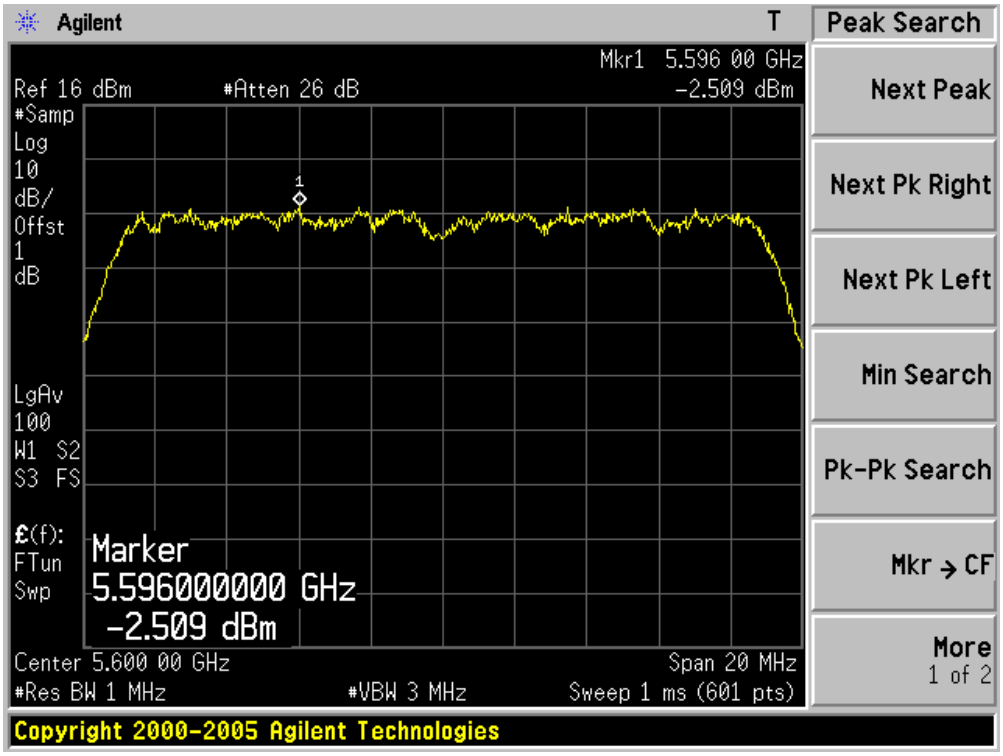
Channel 64 (5320MHz) - Chain B



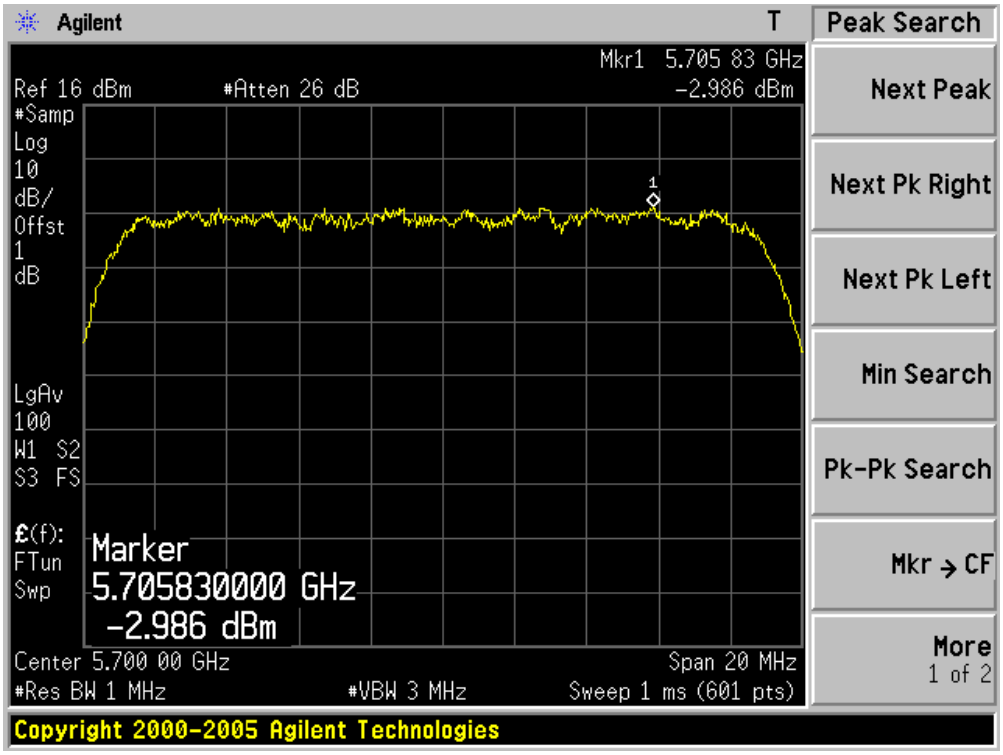
Channel 100 (5500MHz) - Chain B



Channel 120 (5600MHz) - Chain B



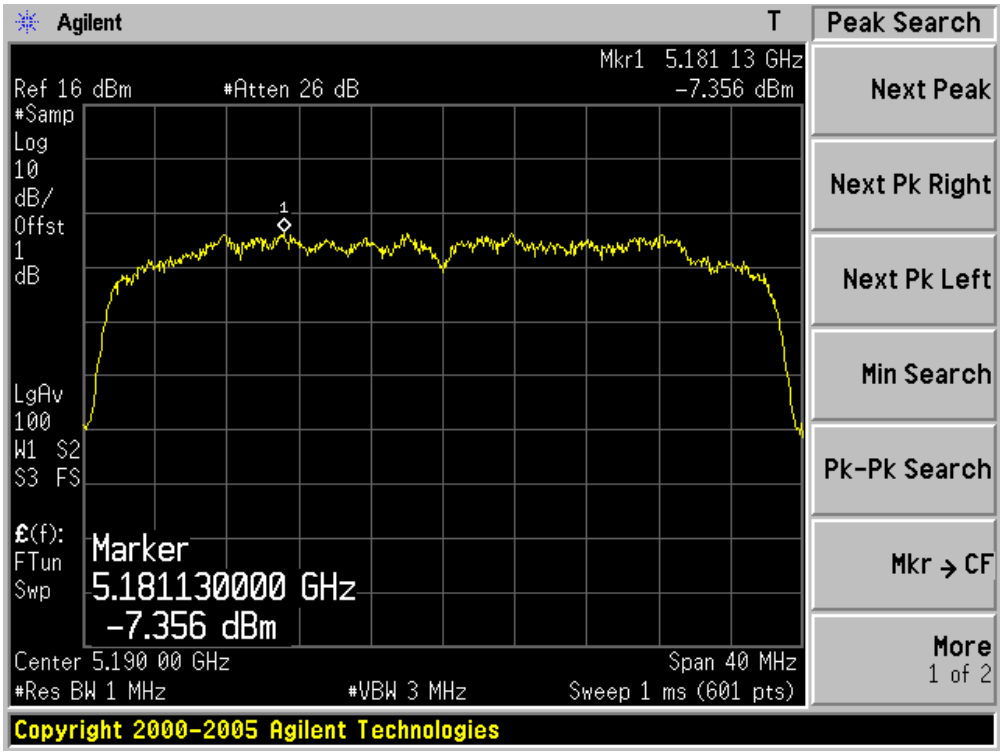
Channel 140 (5700MHz) - Chain B



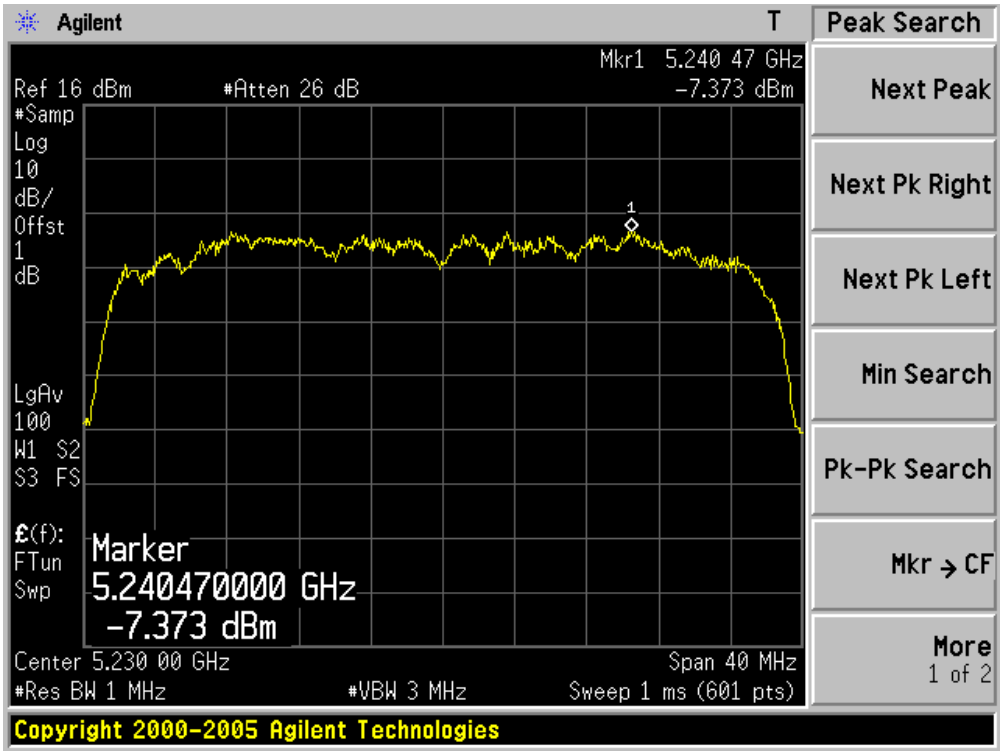
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain A)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
38	5190	-7.356	N/A	-7.356	4	Pass
46	5230	-7.373	N/A	-7.373	4	Pass
54	5270	-0.660	N/A	-0.660	11	Pass
62	5310	-2.351	N/A	-2.351	11	Pass
102	5510	0.157	N/A	0.157	11	Pass
118	5590	0.098	N/A	0.098	11	Pass
134	5670	-1.094	N/A	-1.094	11	Pass

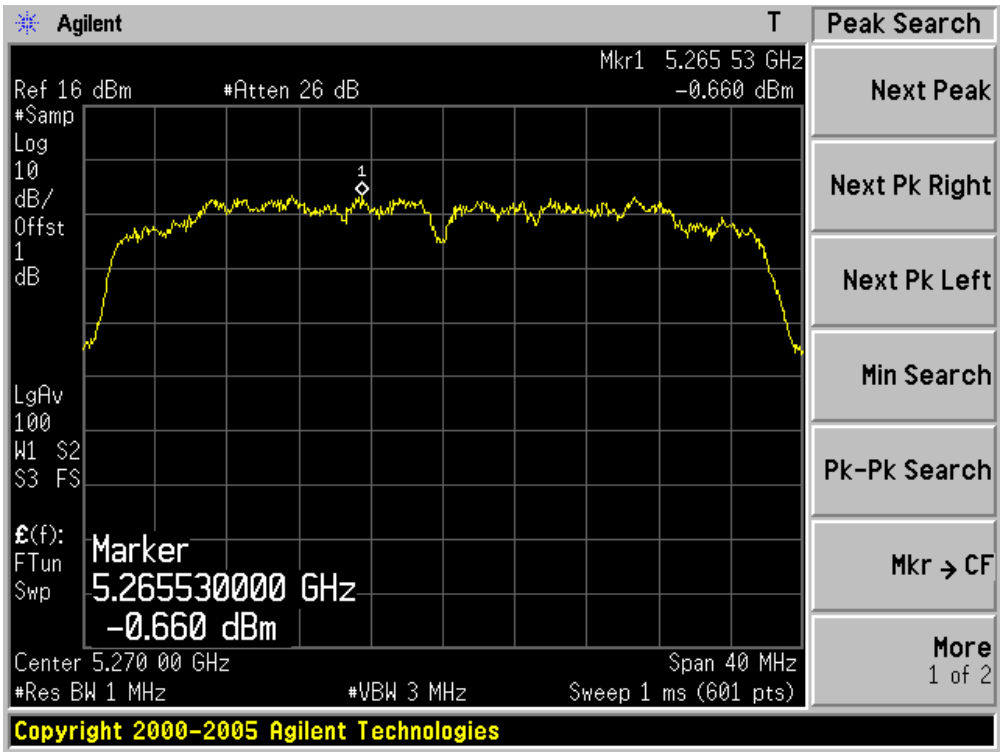
Channel 38 (5190MHz)



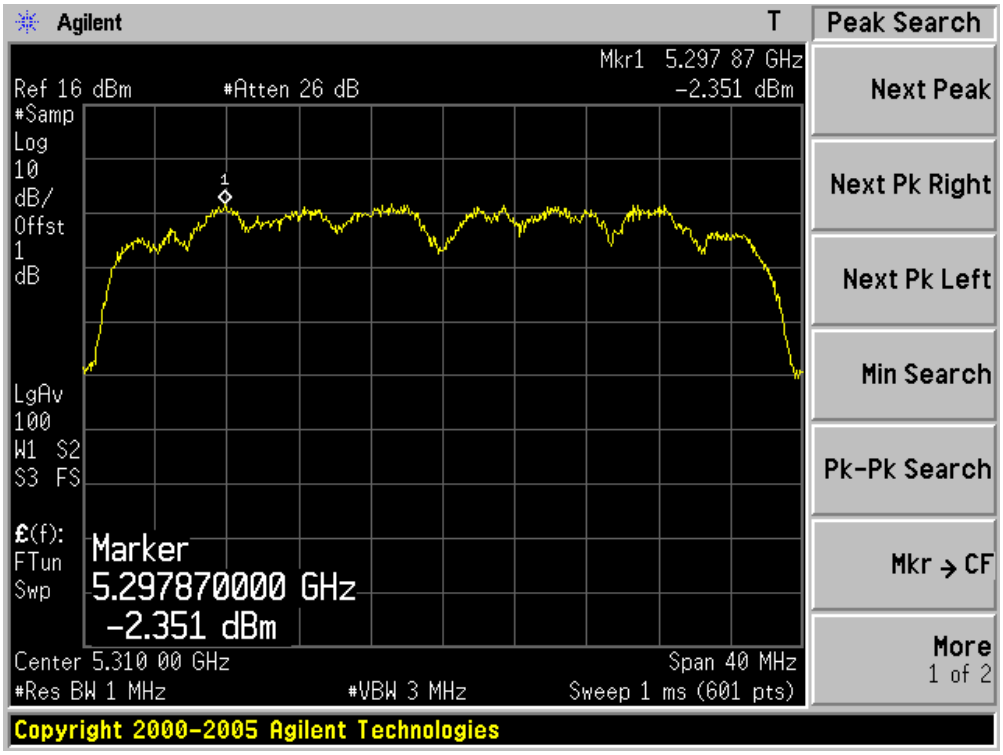
Channel 46 (5230MHz)



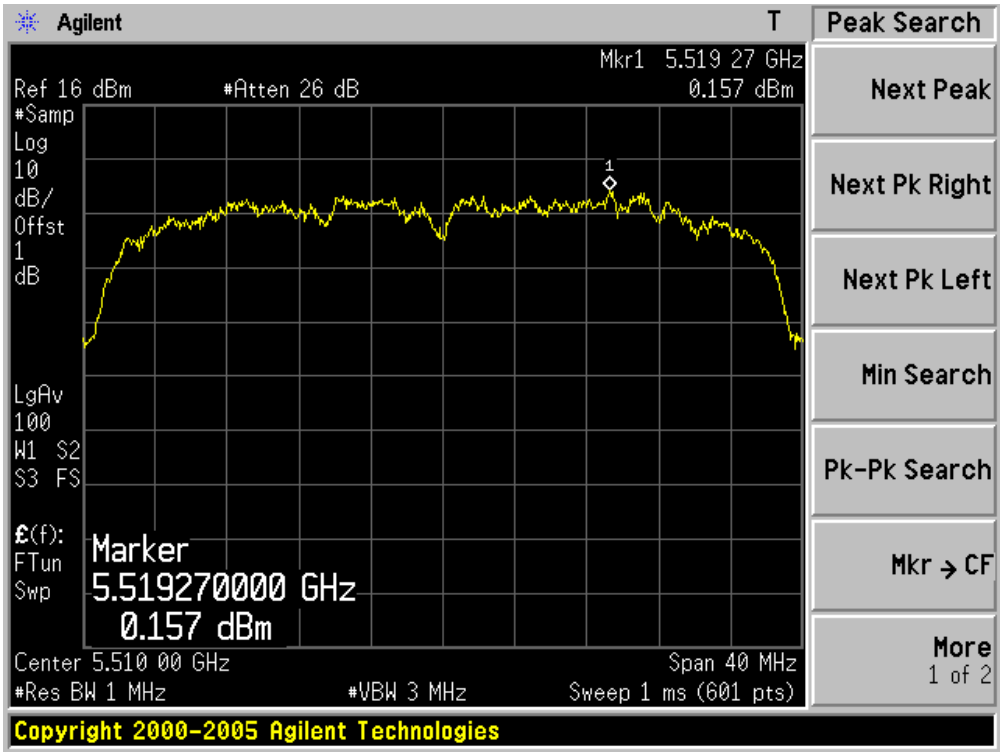
Channel 54 (5270MHz)



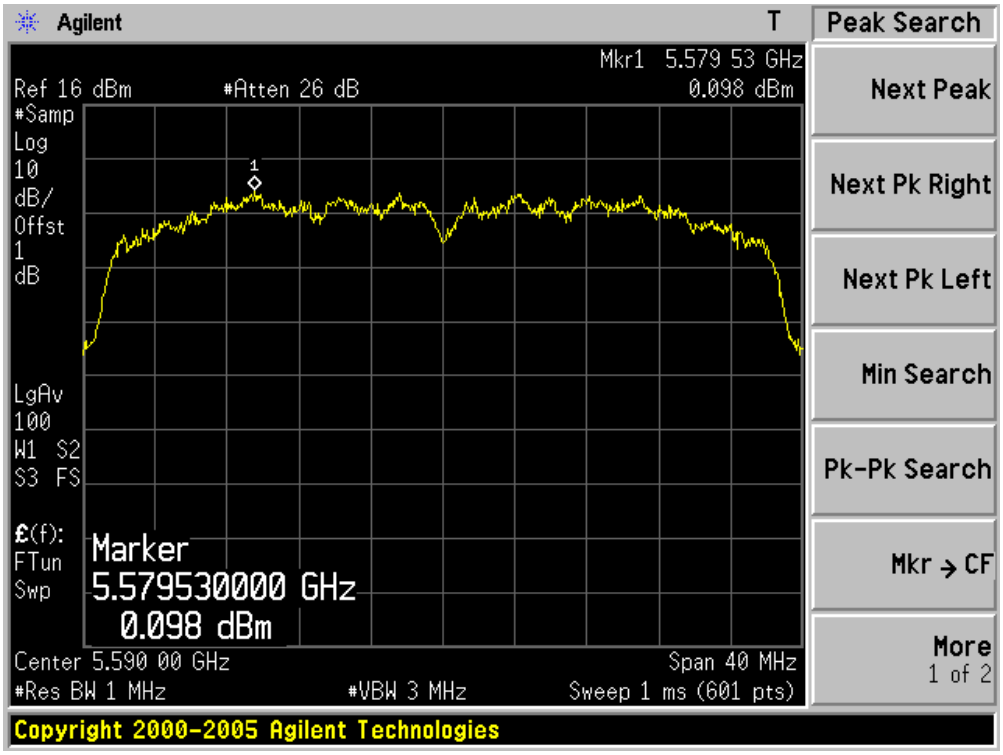
Channel 62 (5310MHz)



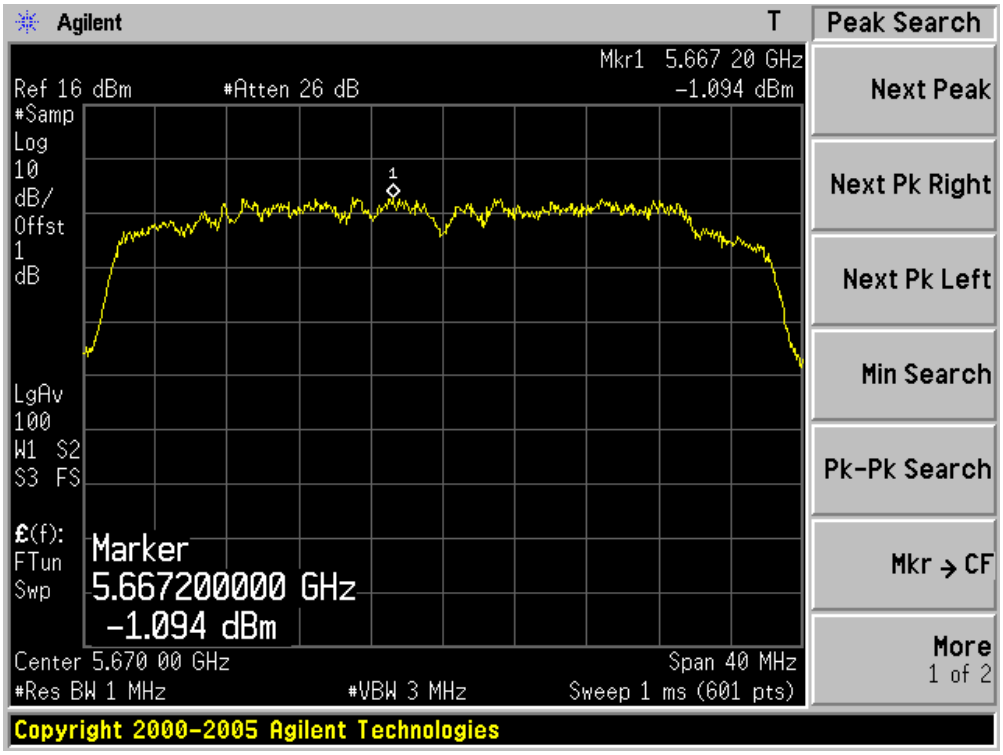
Channel 102 (5510MHz)



Channel 118 (5590MHz)



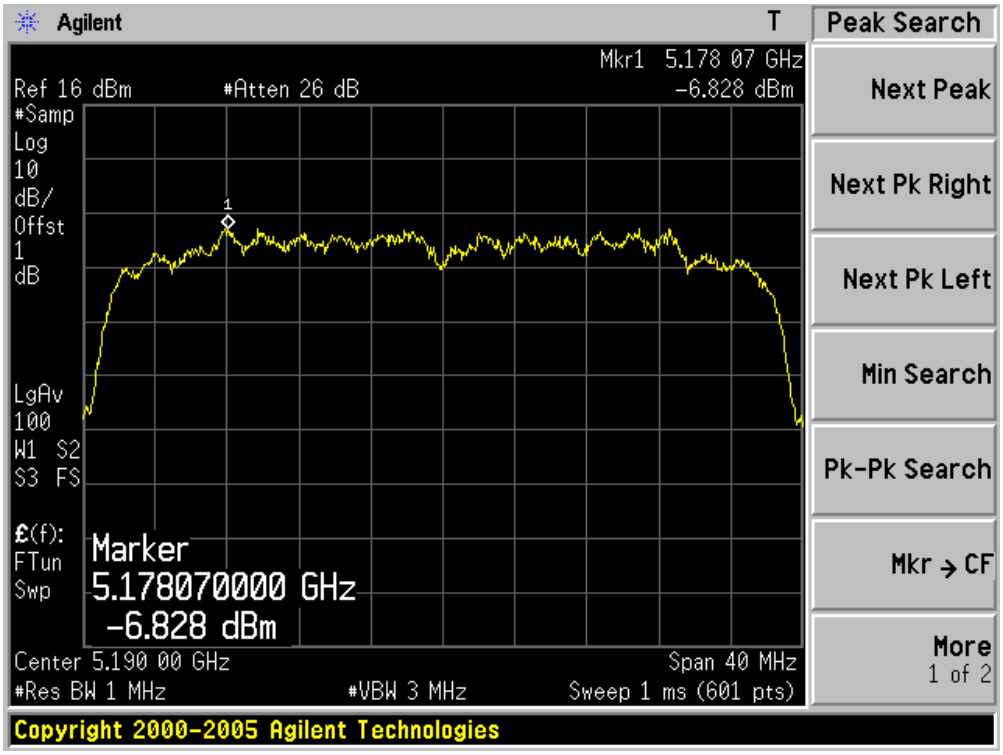
Channel 134 (5670MHz)



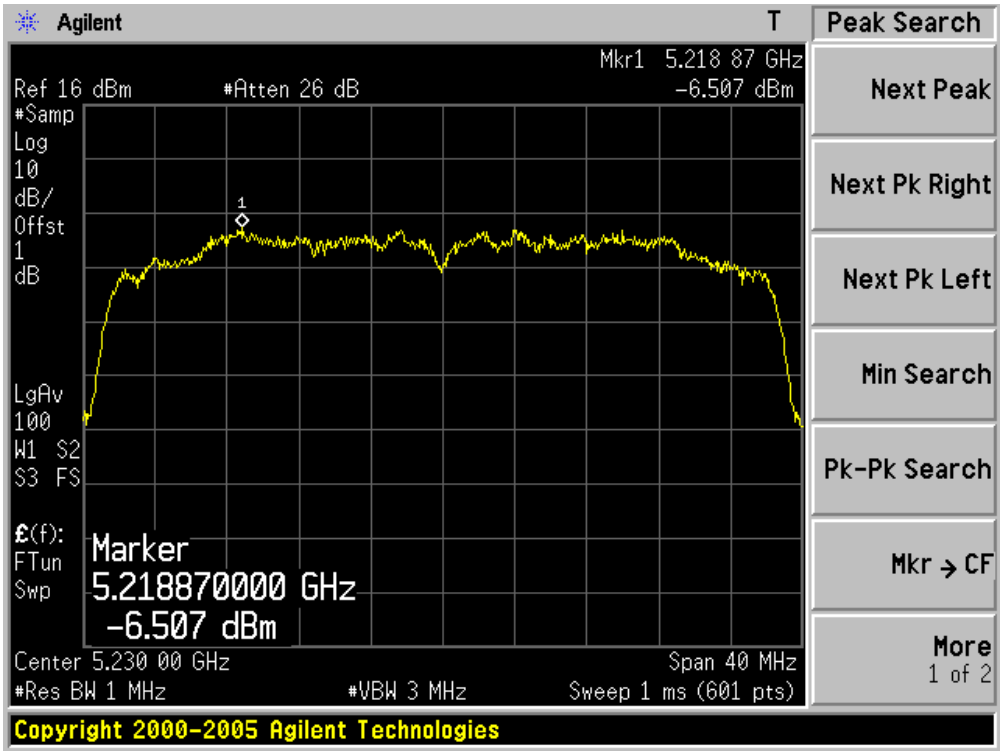
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
38	5190	N/A	-6.828	-6.828	4	Pass
46	5230	N/A	-6.507	-6.507	4	Pass
54	5270	N/A	-0.915	-0.915	11	Pass
62	5310	N/A	-2.236	-2.236	11	Pass
102	5510	N/A	-0.387	-0.387	11	Pass
118	5590	N/A	-0.883	-0.883	11	Pass
134	5670	N/A	-1.582	-1.582	11	Pass

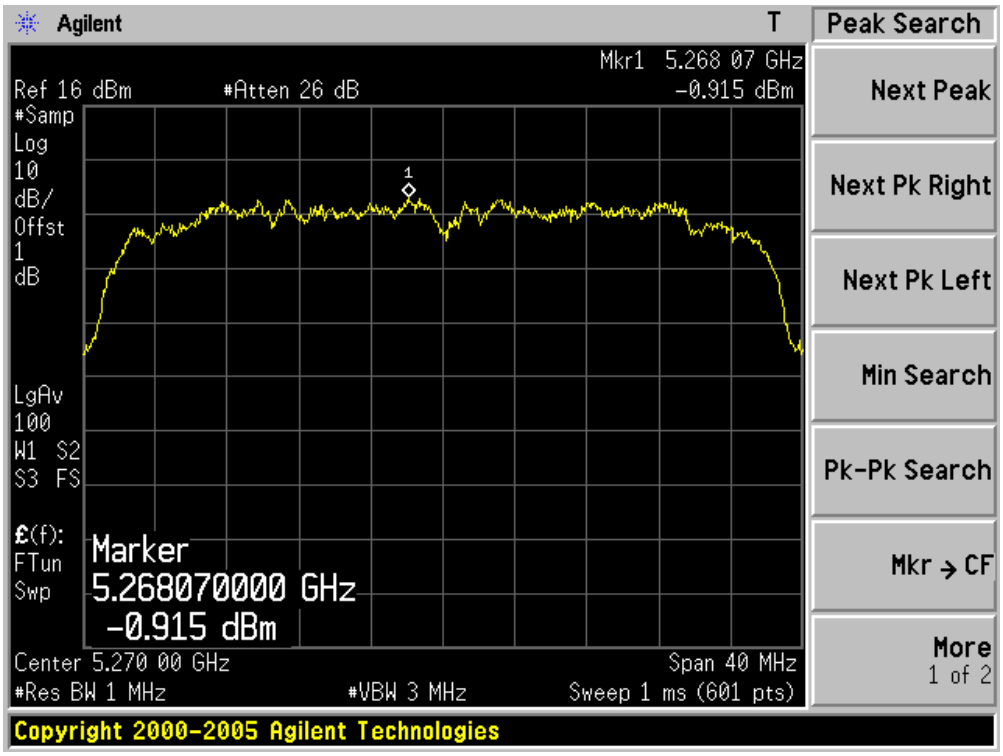
Channel 38 (5190MHz)



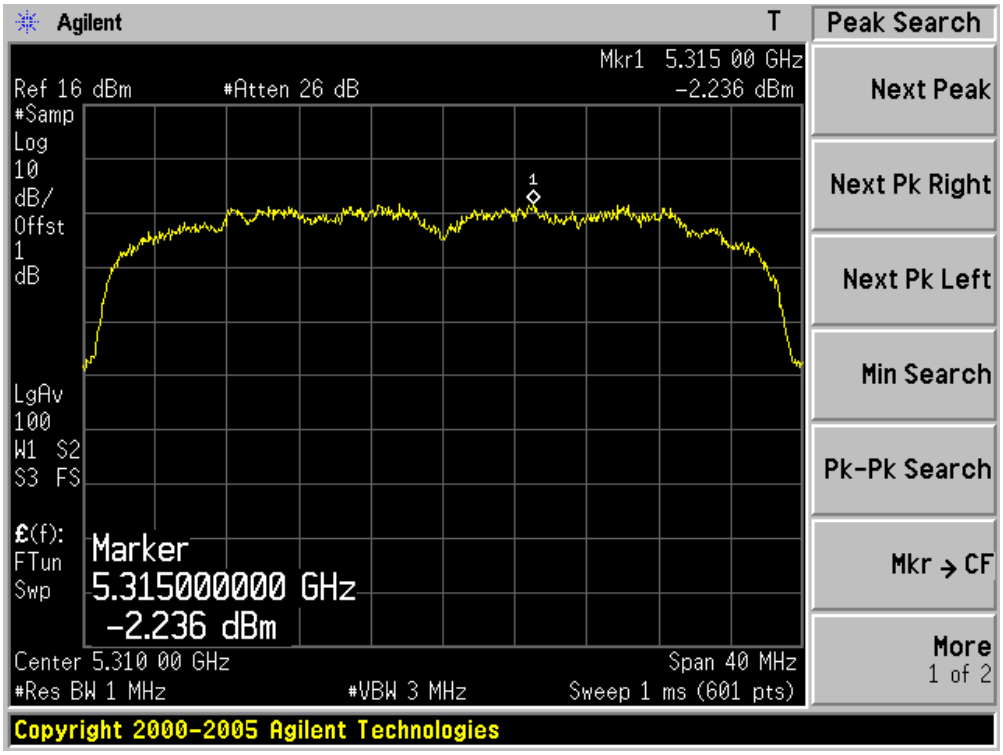
Channel 46 (5230MHz)



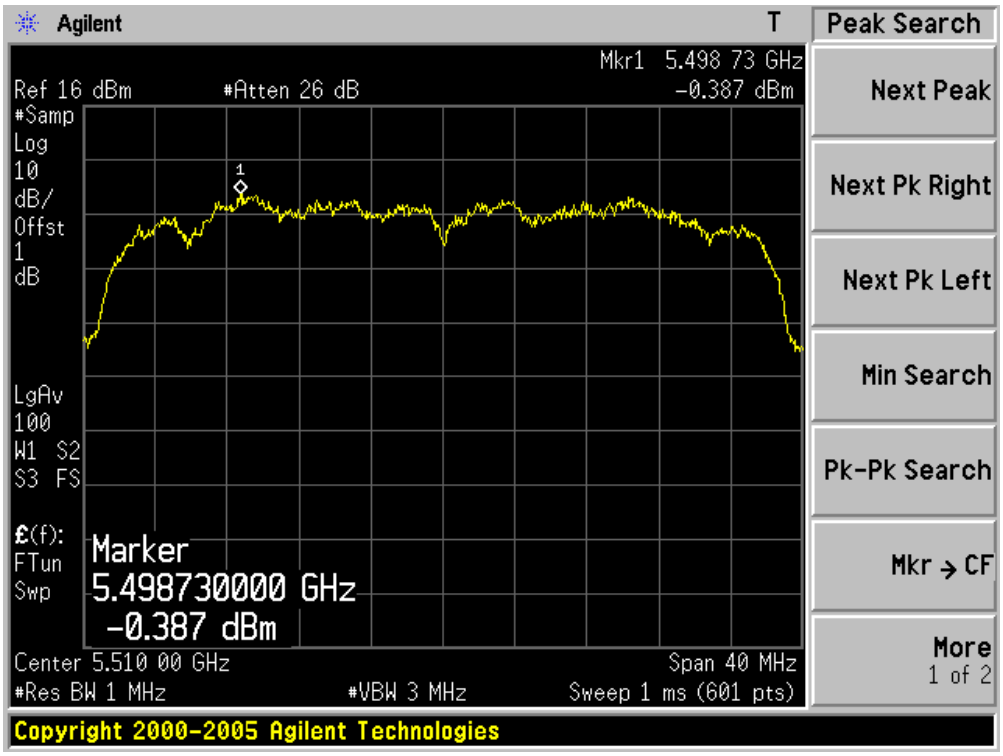
Channel 54 (5270MHz)



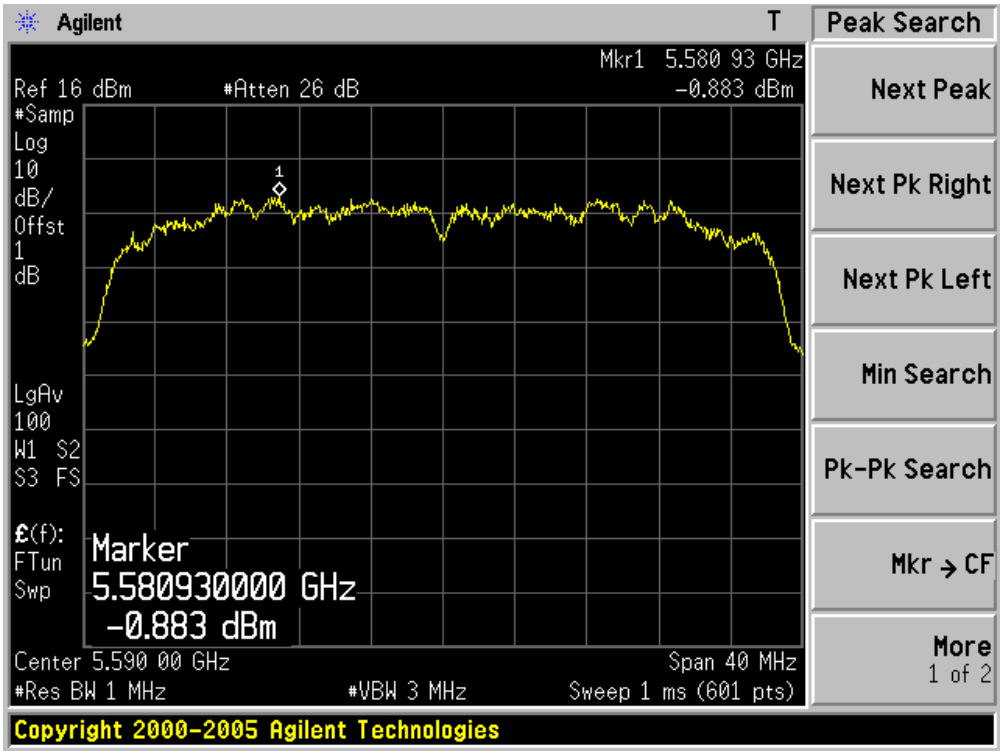
Channel 62 (5310MHz)



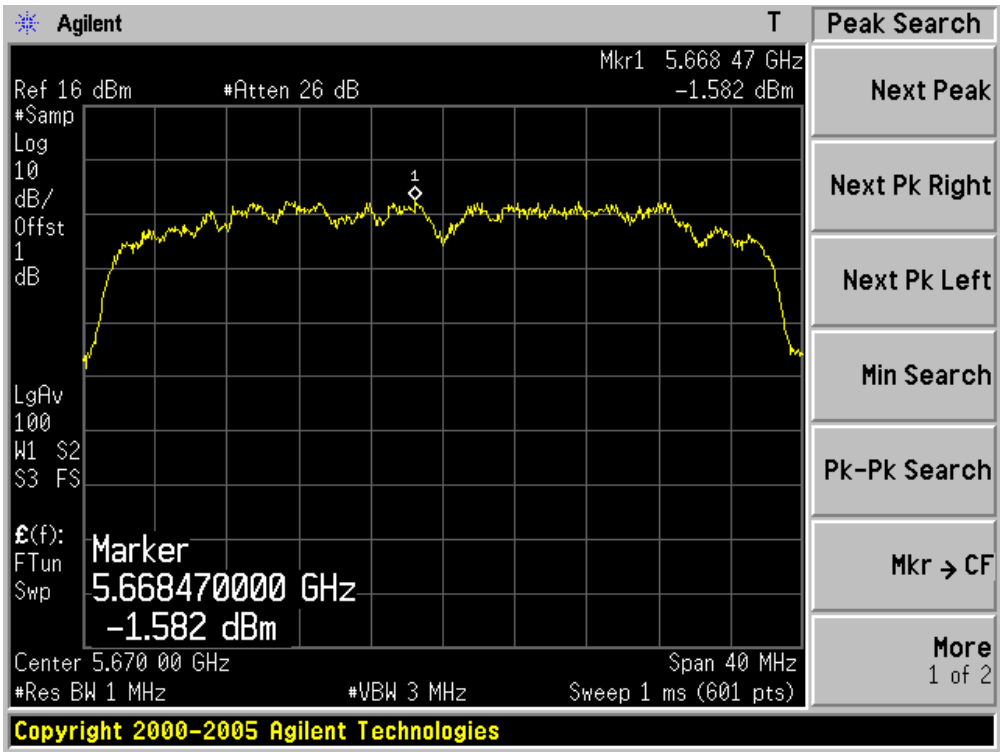
Channel 102 (5510MHz)



Channel 118 (5590MHz)



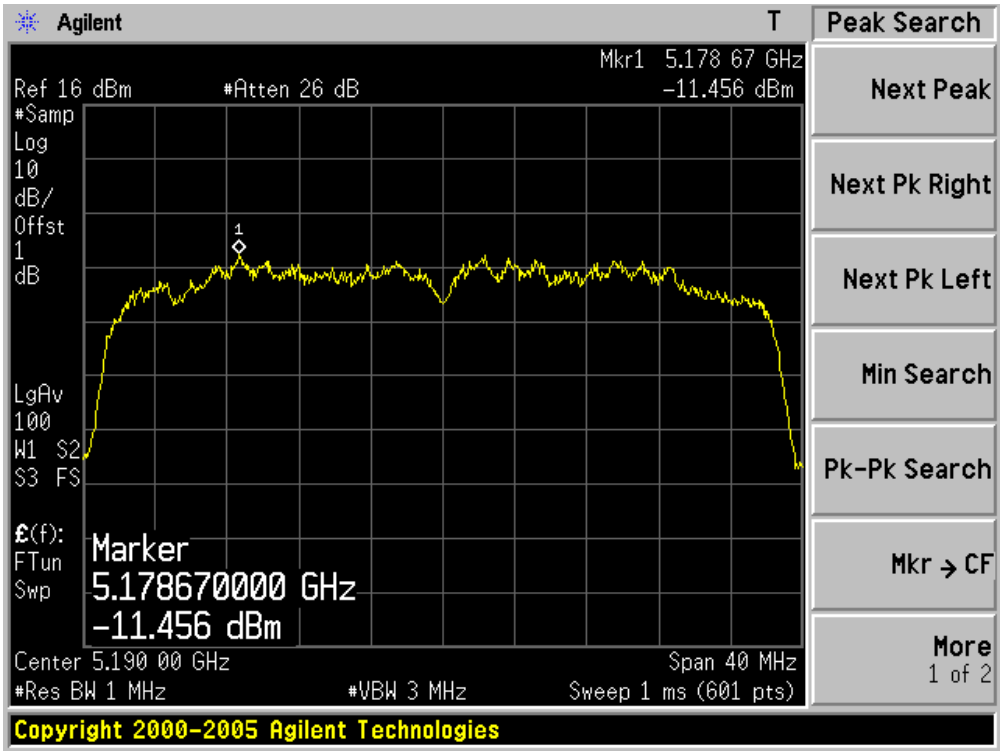
Channel 134 (5670MHz)



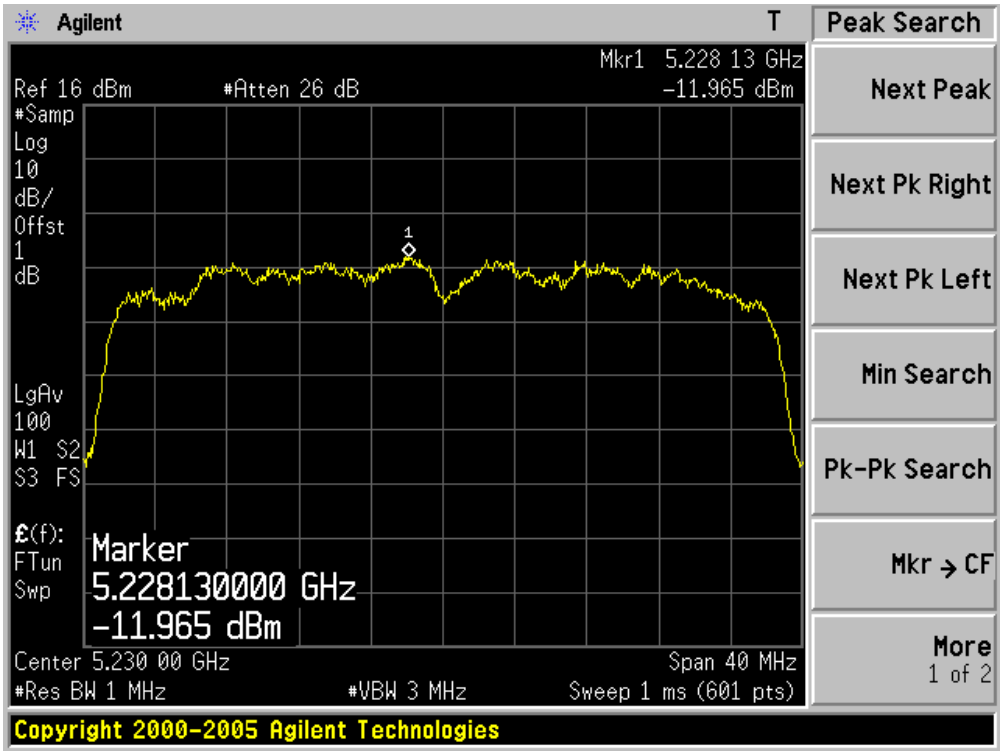
Product	:	Eee PC
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain A+B)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm/MHz)		Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Chain A	Chain B			
38	5190	-11.456	-11.494	-8.46	4	Pass
46	5230	-11.965	-10.752	-8.31	4	Pass
54	5270	-4.014	-4.366	-1.18	11	Pass
62	5310	-4.835	-4.832	-1.82	11	Pass
102	5510	-5.228	-5.197	-2.20	11	Pass
118	5590	-5.005	-5.005	-1.99	11	Pass
134	5670	-5.336	-5.269	-2.29	11	Pass

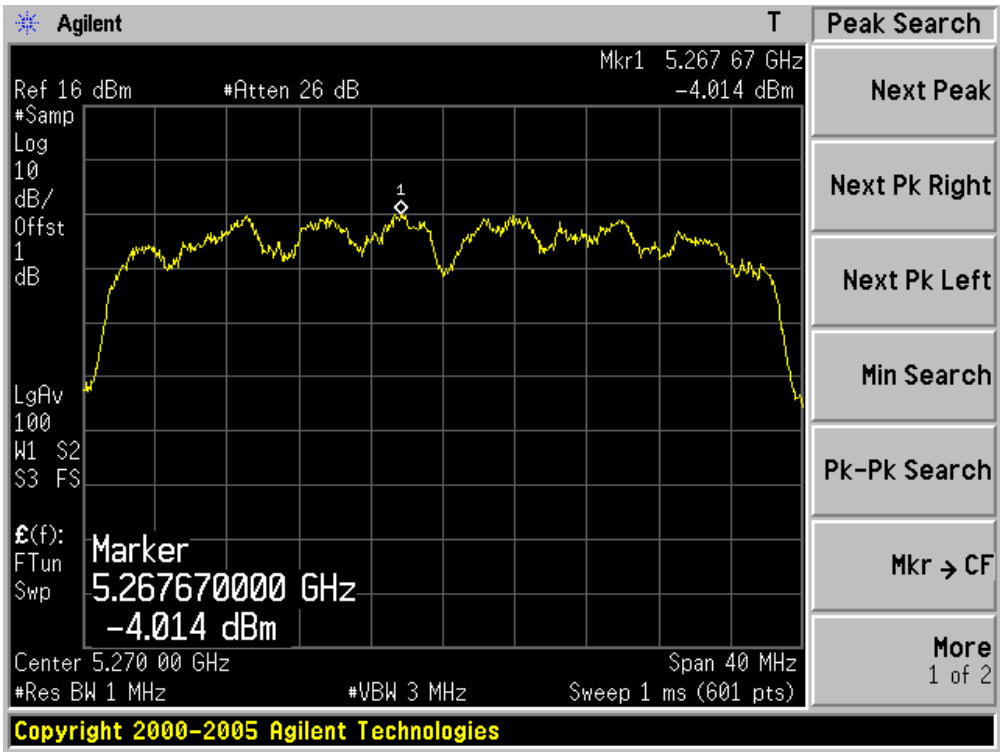
Channel 38 (5190MHz) - Chain A



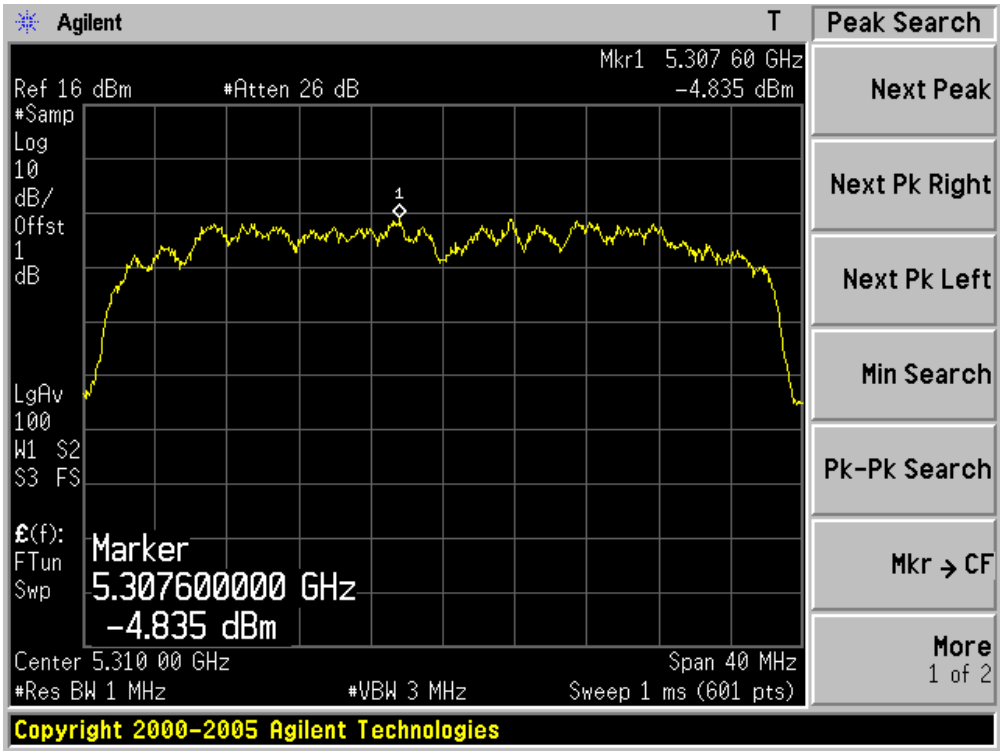
Channel 46 (5230MHz) - Chain A



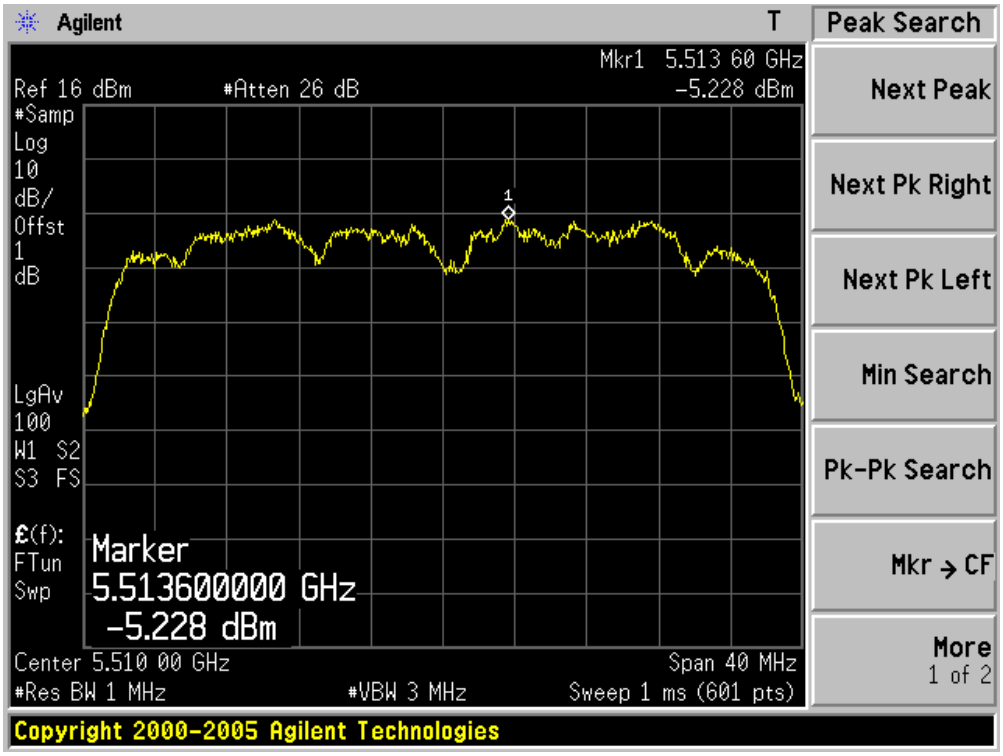
Channel 54 (5270MHz) - Chain A



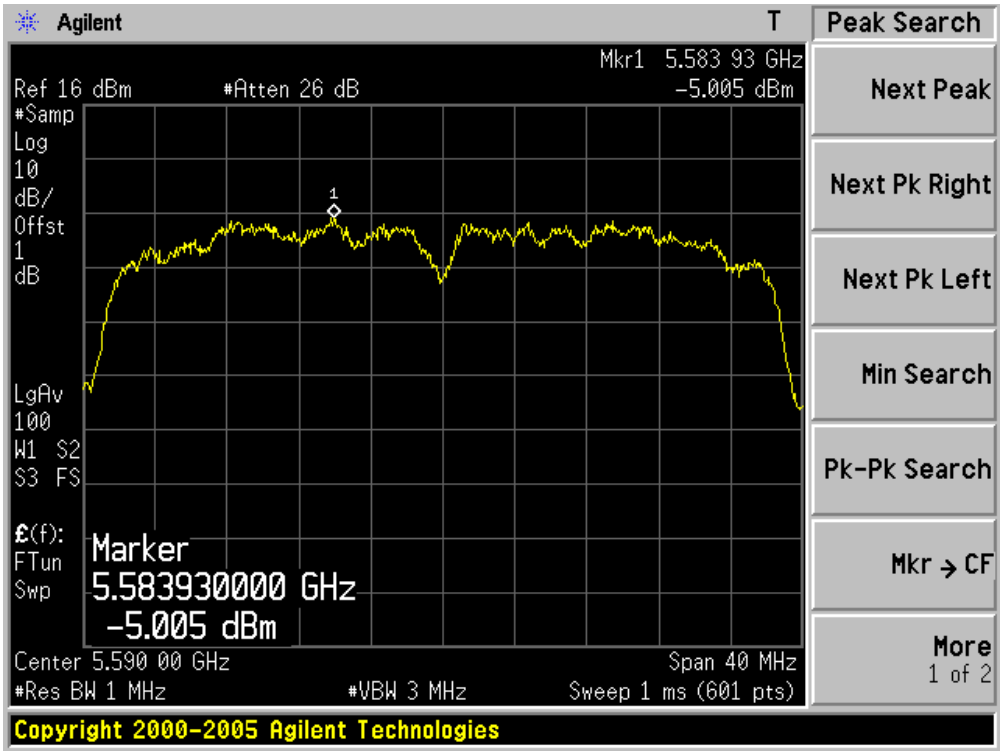
Channel 62 (5310MHz) - Chain A



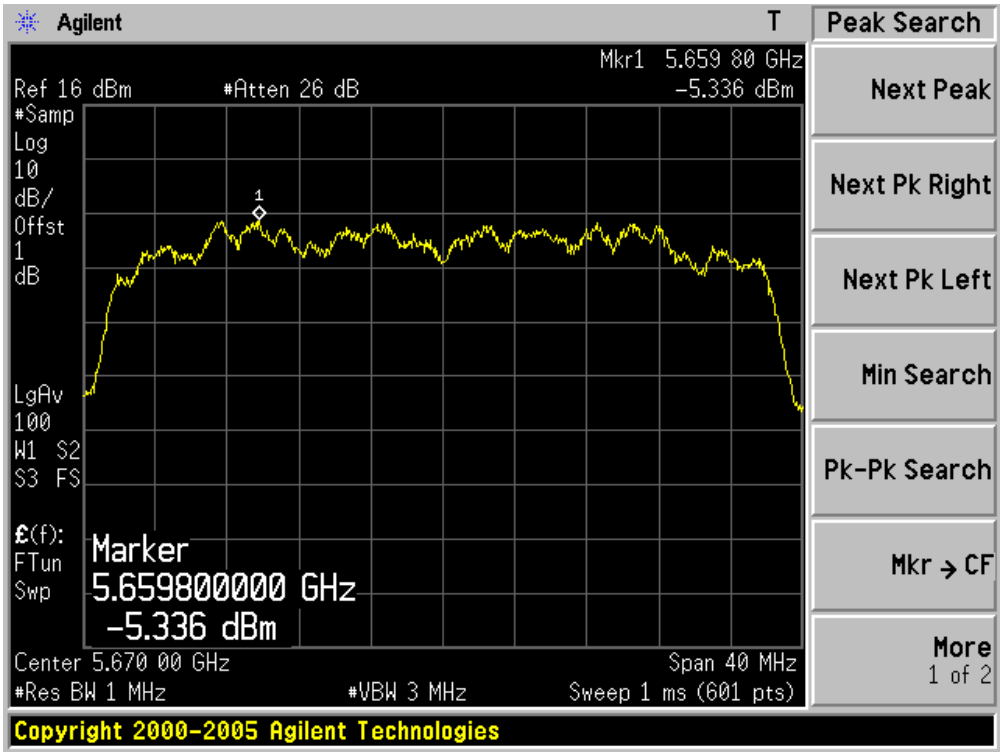
Channel 102 (5510MHz) - Chain A



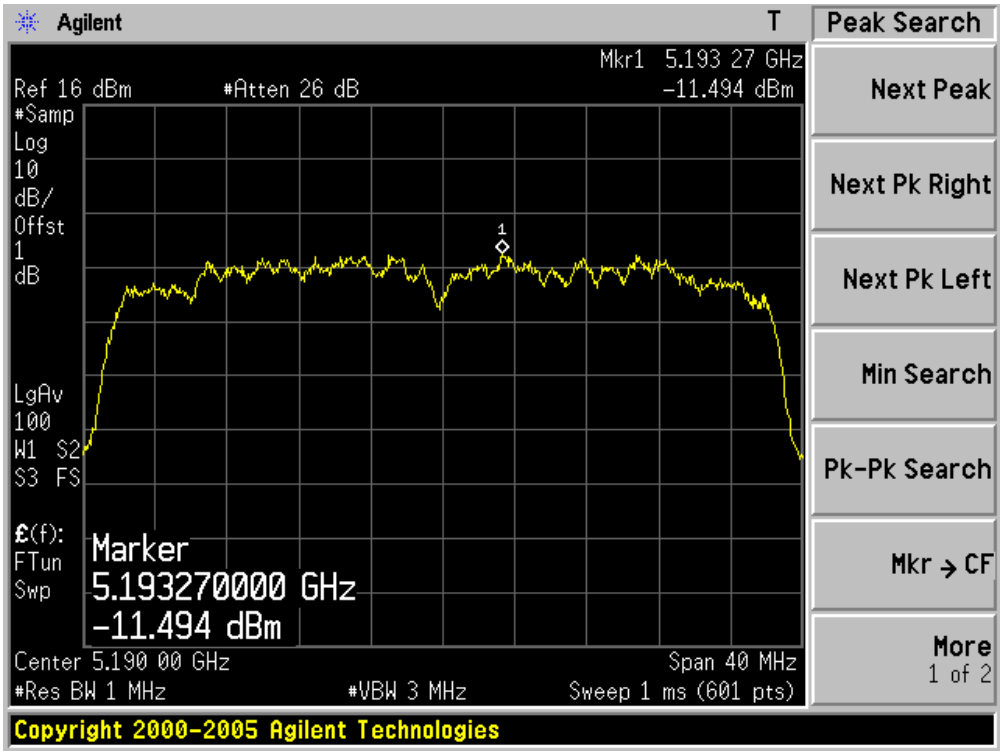
Channel 118 (5590MHz) - Chain A



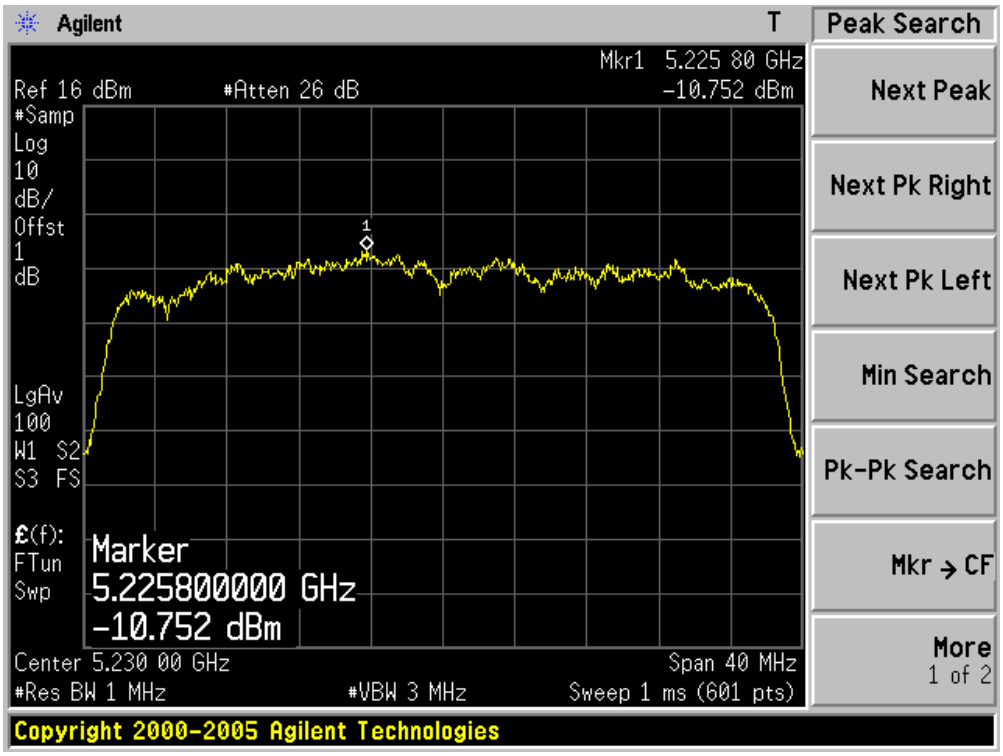
Channel 134 (5670MHz) - Chain A



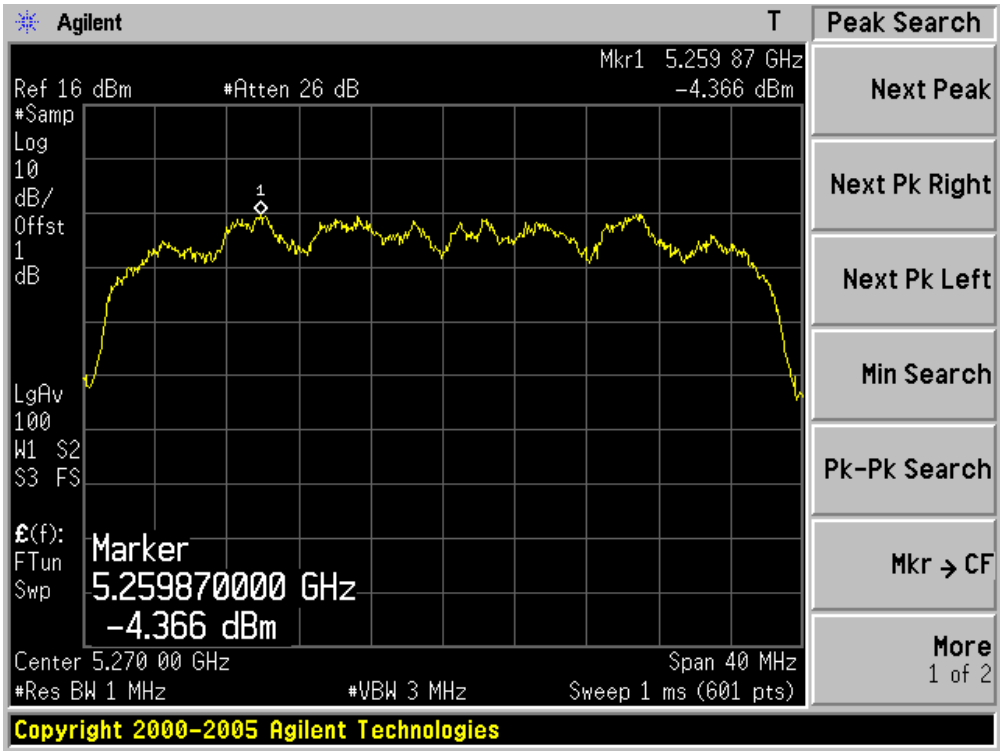
Channel 38 (5190MHz) - Chain B



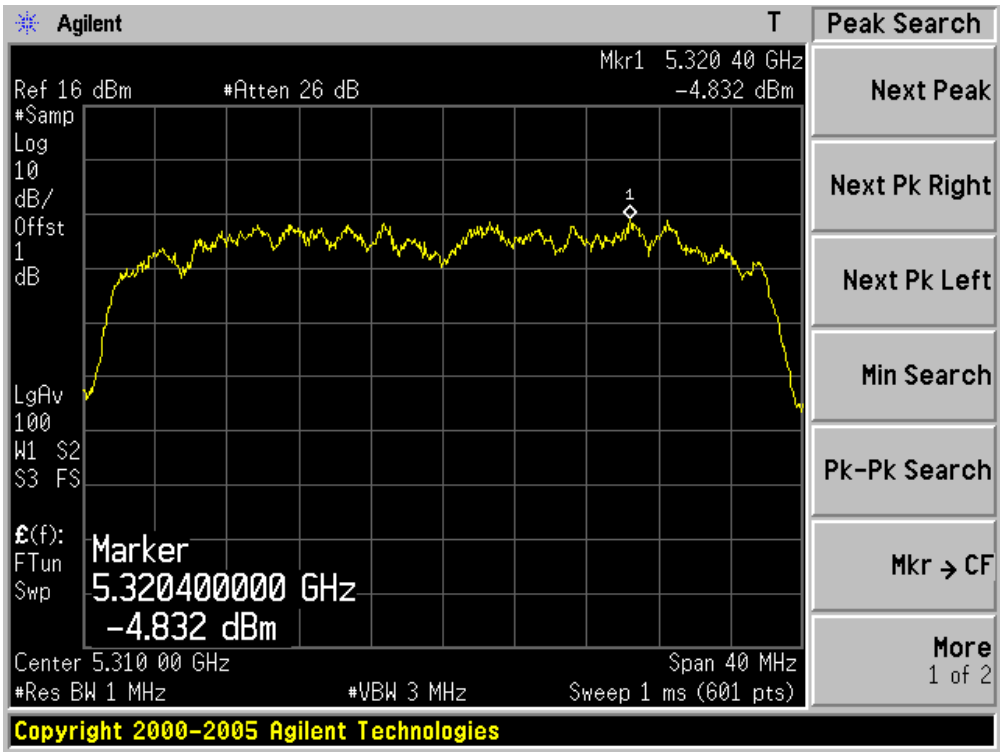
Channel 46 (5230MHz) - Chain B



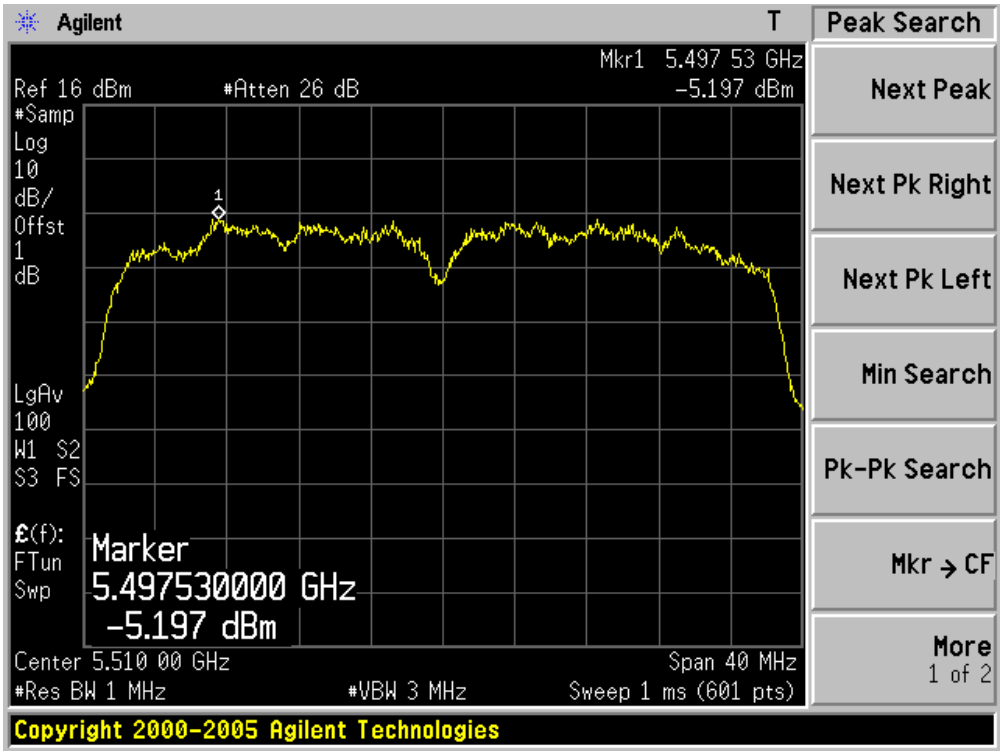
Channel 54 (5270MHz) - Chain B



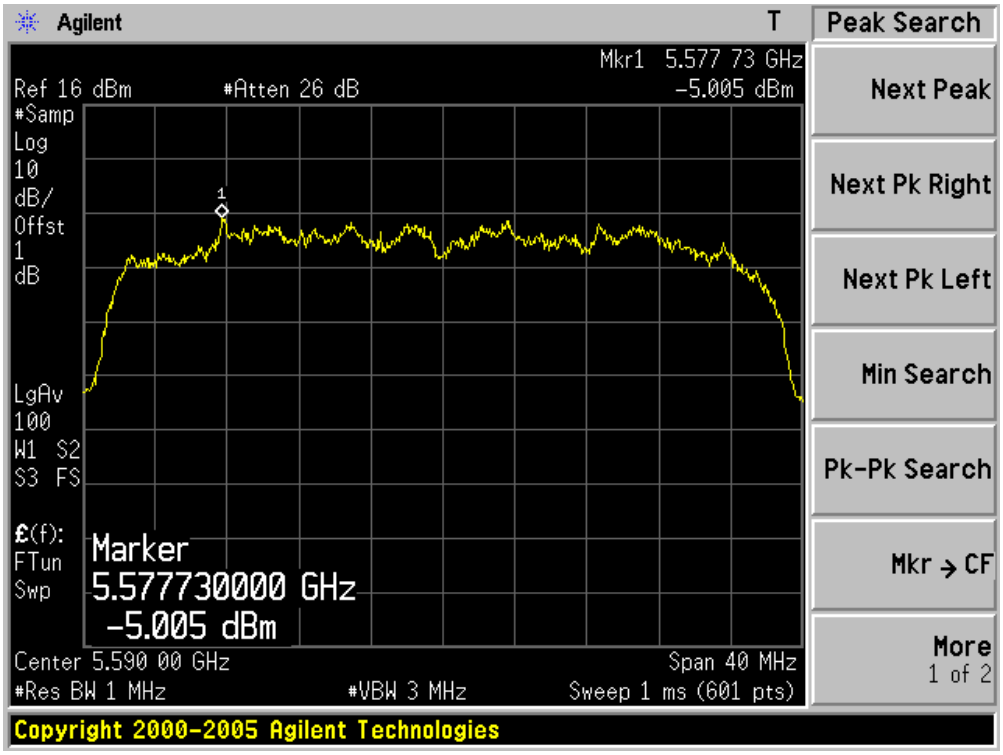
Channel 62 (5310MHz) - Chain B



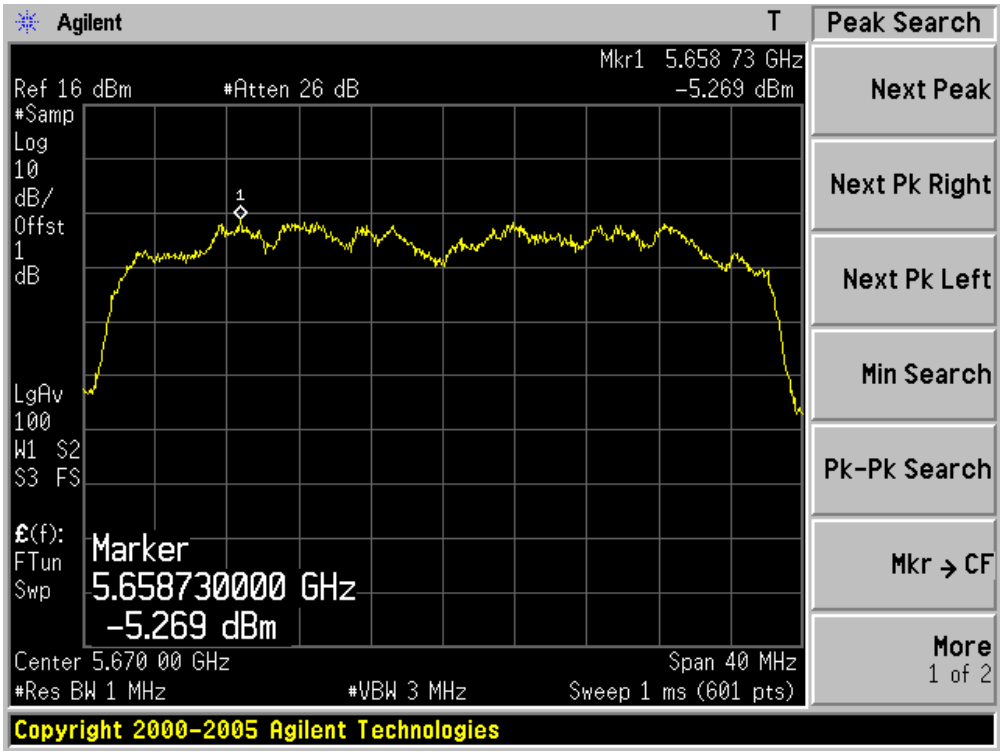
Channel 102 (5510MHz) - Chain B



Channel 118 (5590MHz) - Chain B



Channel 134 (5670MHz) - Chain B



9. Peak Excursion

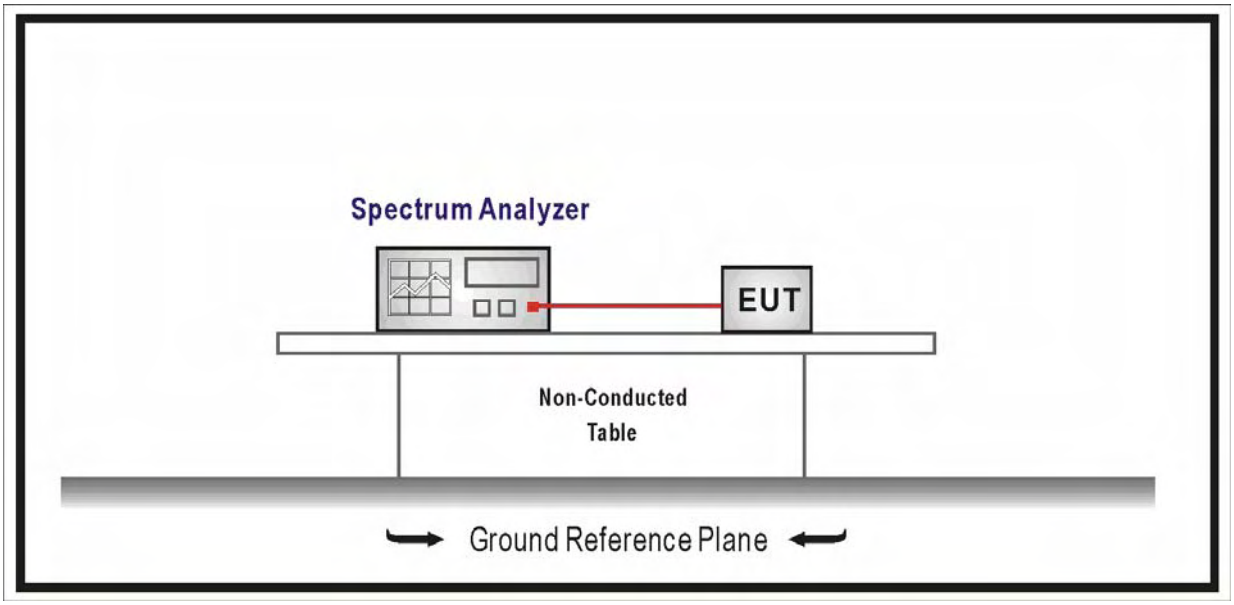
9.1. Test Equipment

Peak Excursion / 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	2010.01.14

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

9.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 requirements.

Set the spectrum analyzer span to view the entire emission bandwidth. The largest difference between the following two traces must be ≤ 13 dB for all frequencies across the emission bandwidth.

- 1st Trace: Set RBW = 1 MHz, VBW ≥ 3 MHz with peak detector and maxhold settings.
- 2nd Trace: Set RBW = 1 MHz, VBW = 30 kHz with peak detector and maxhold settings.

9.5. Uncertainty

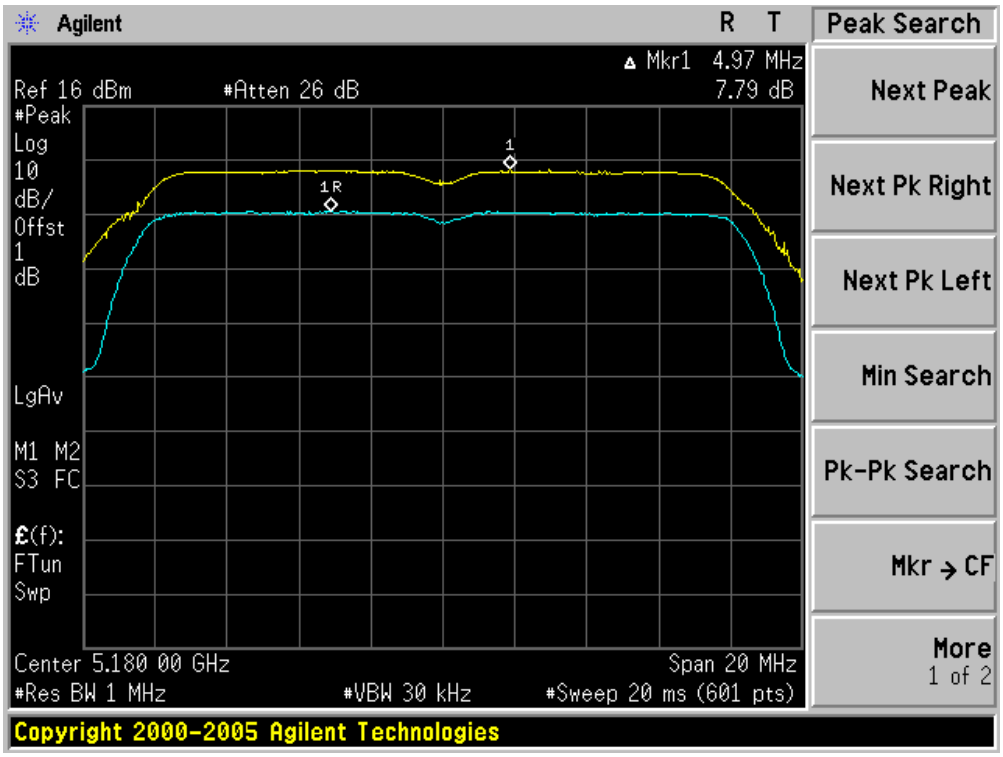
The measurement uncertainty is defined as ± 1.27 dB

9.6. Test Result

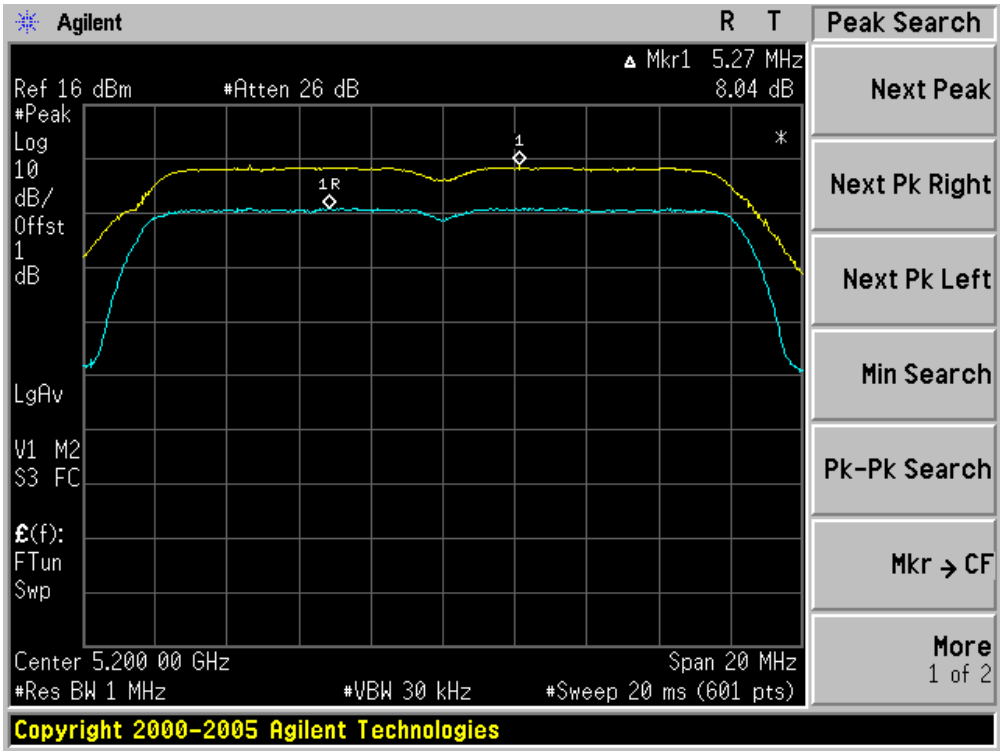
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain A)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
36	5180	7.79	13	Pass
40	5200	8.04	13	Pass
48	5240	8.51	13	Pass
52	5260	8.04	13	Pass
60	5300	7.99	13	Pass
64	5320	7.49	13	Pass
100	5500	7.95	13	Pass
120	5600	8.13	13	Pass
140	5700	8.21	13	Pass

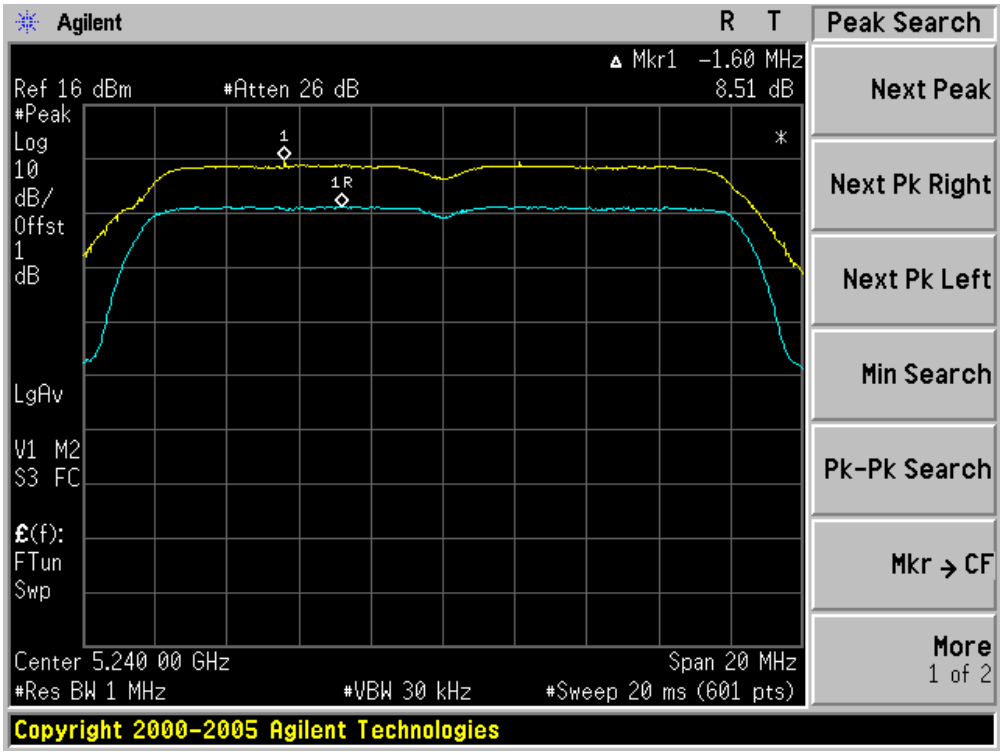
Channel 36 (5180MHz)



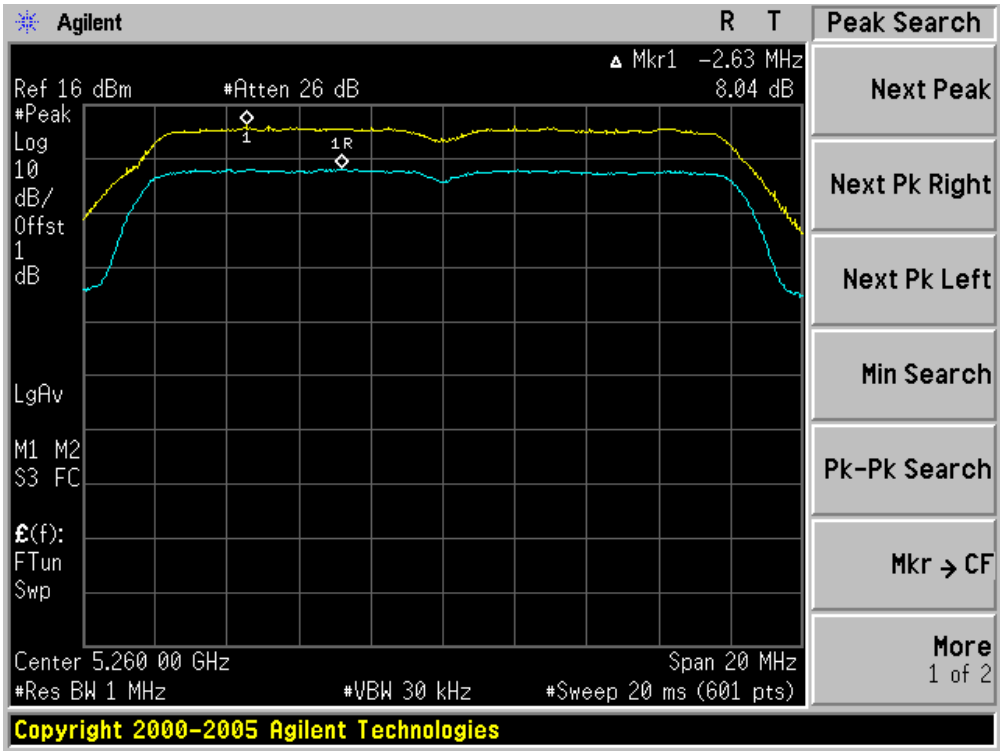
Channel 40 (5200MHz)



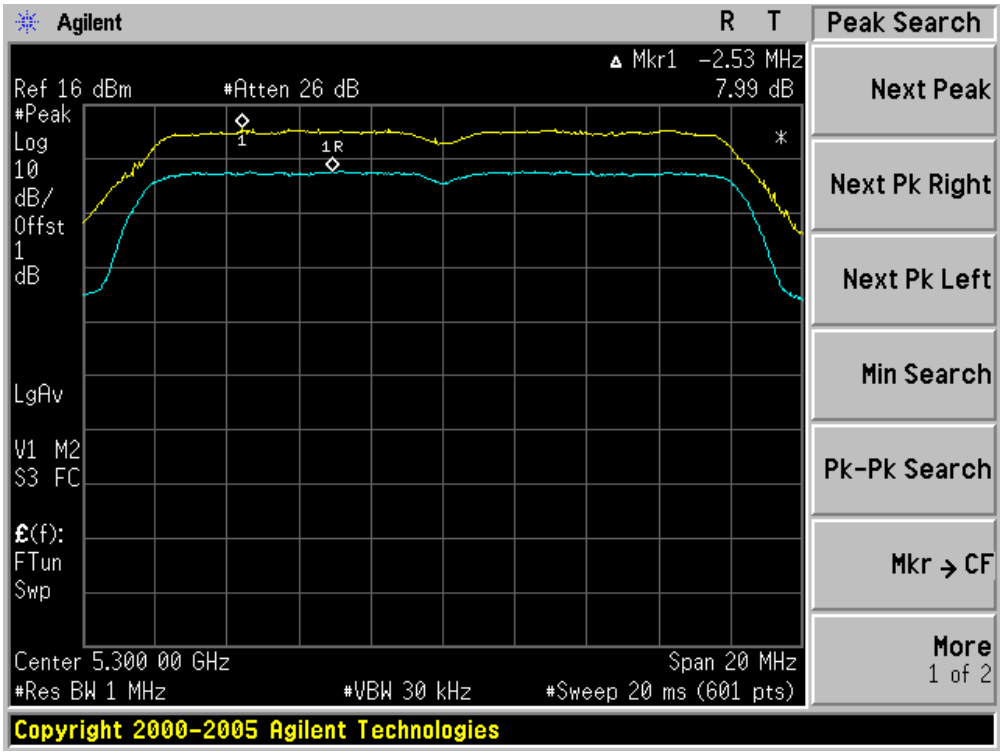
Channel 48 (5240MHz)



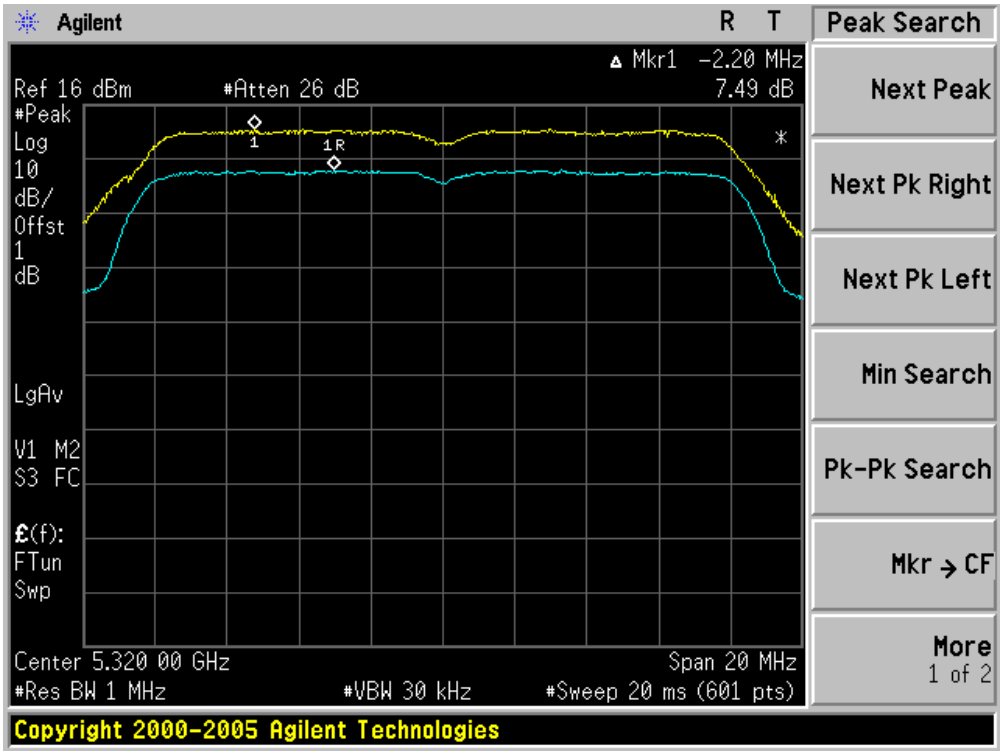
Channel 52 (5260MHz)



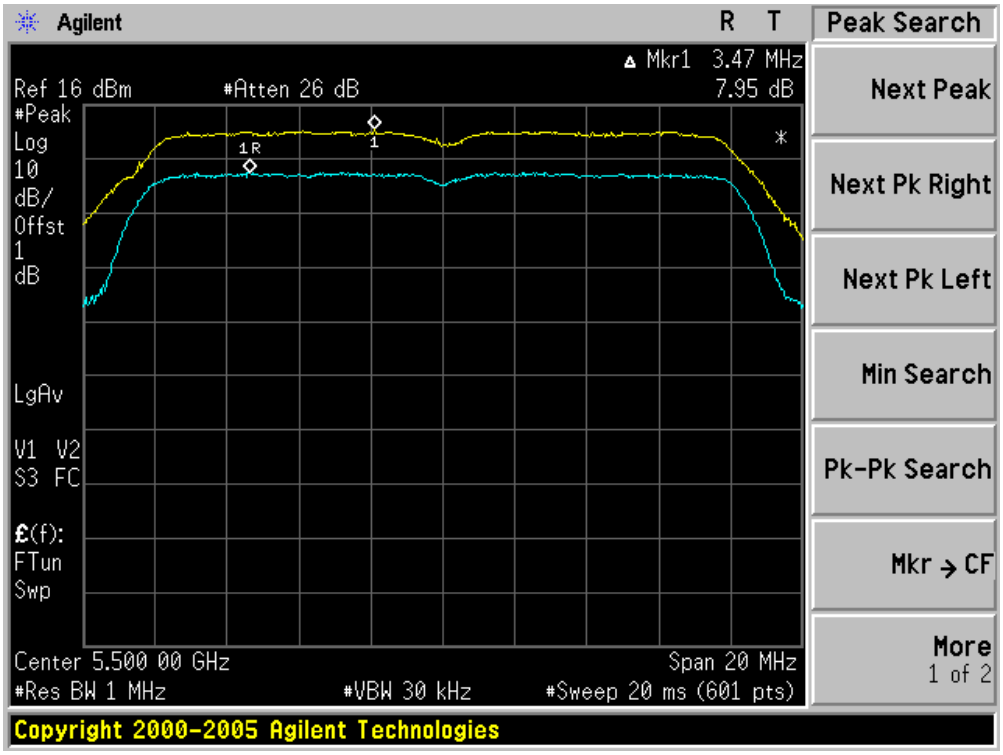
Channel 60 (5300MHz)



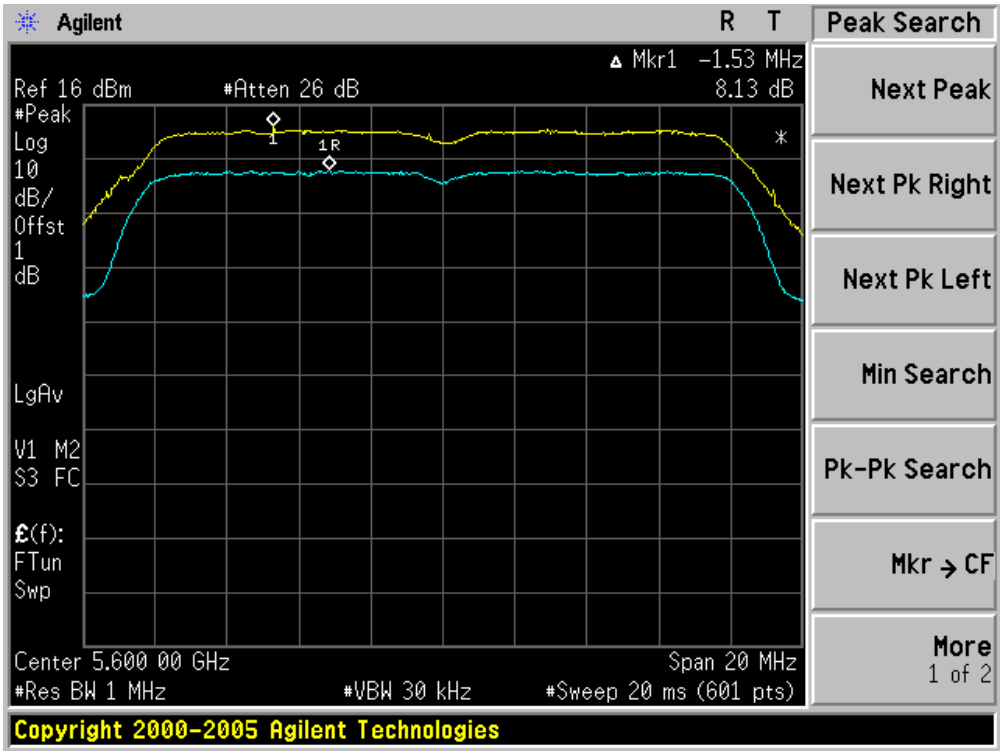
Channel 64 (5320MHz)



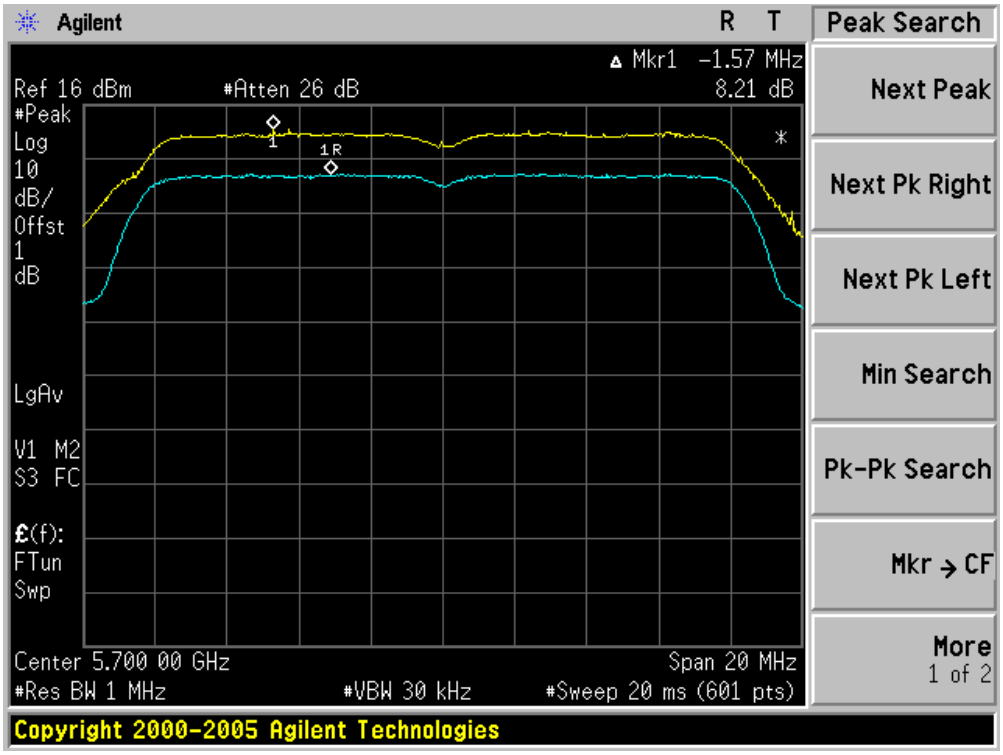
Channel 100 (5500MHz)



Channel 120 (5600MHz)



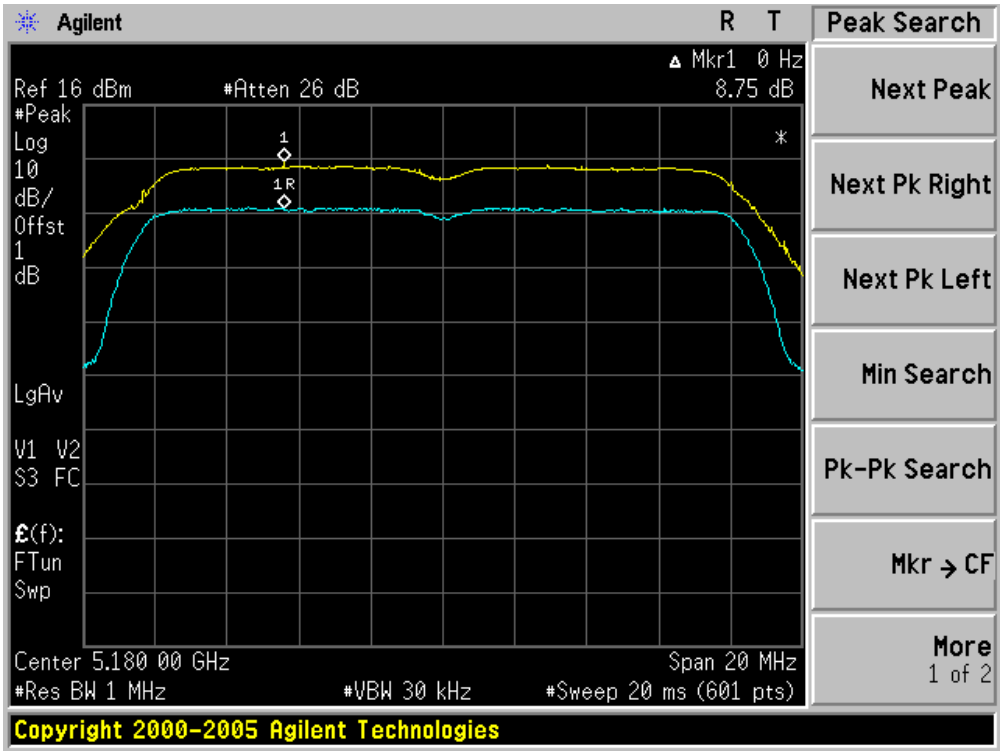
Channel 140 (5700MHz)



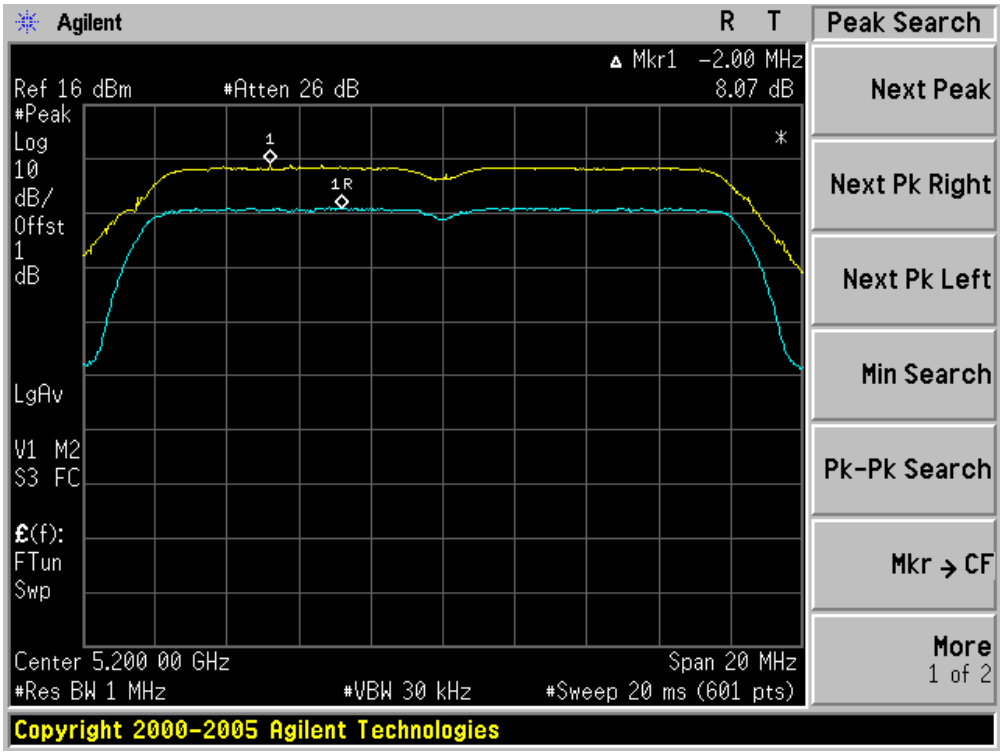
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a (Chain B)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
36	5180	8.75	13	Pass
40	5200	8.07	13	Pass
48	5240	7.85	13	Pass
52	5260	8.07	13	Pass
60	5300	8.21	13	Pass
64	5320	7.54	13	Pass
100	5500	7.98	13	Pass
120	5600	7.61	13	Pass
140	5700	8.37	13	Pass

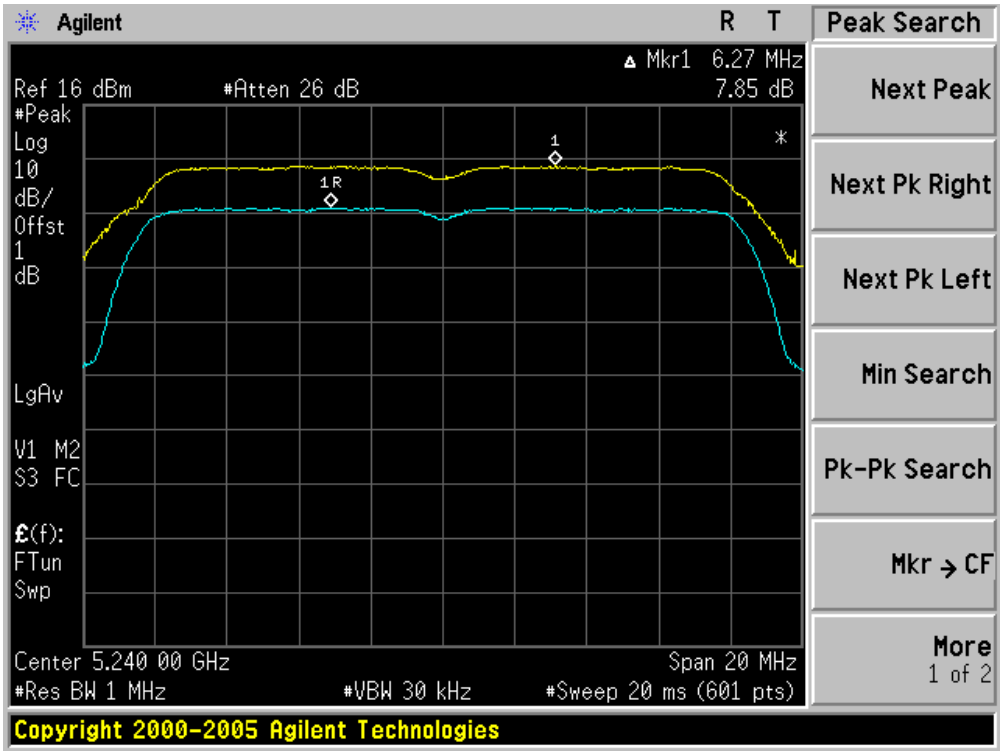
Channel 36 (5180MHz)



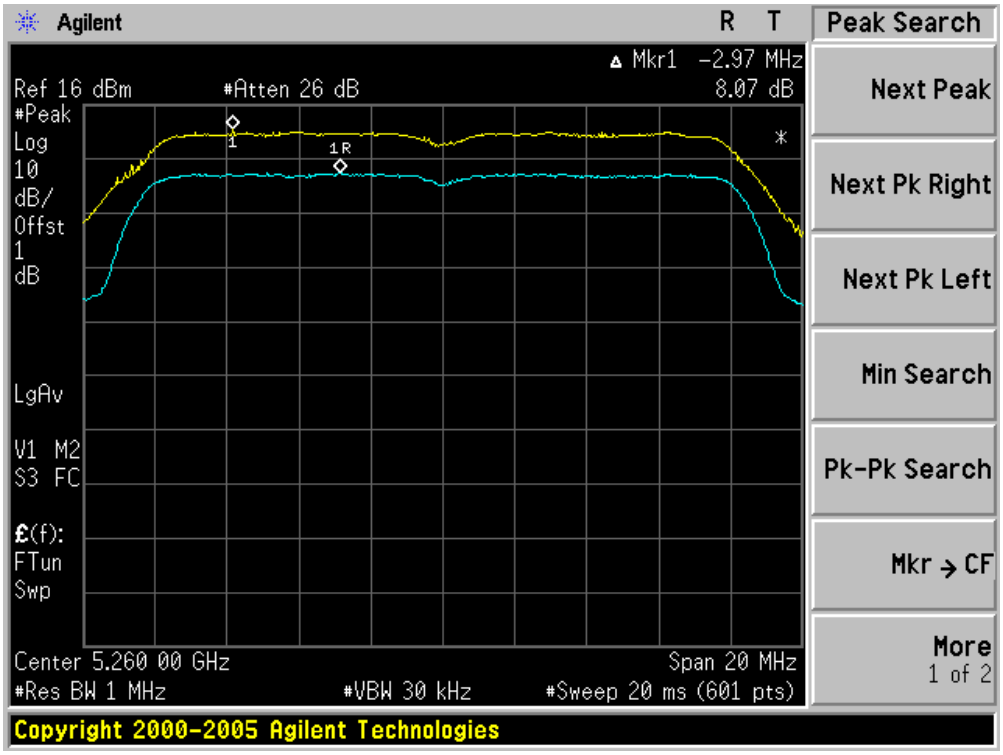
Channel 40 (5200MHz)



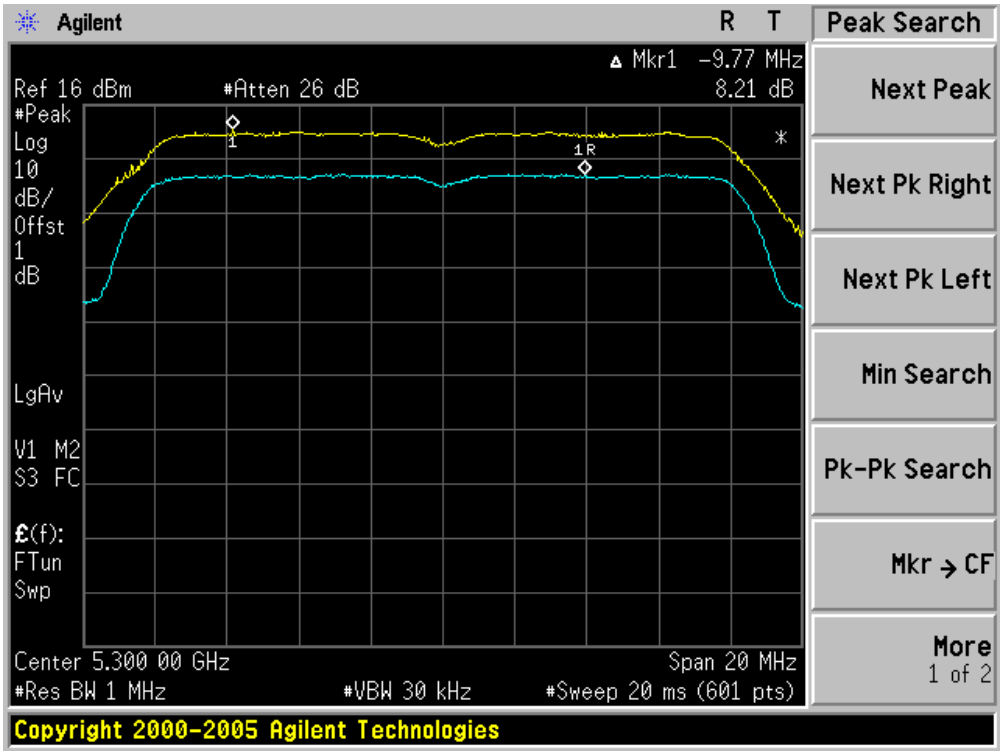
Channel 48 (5240MHz)



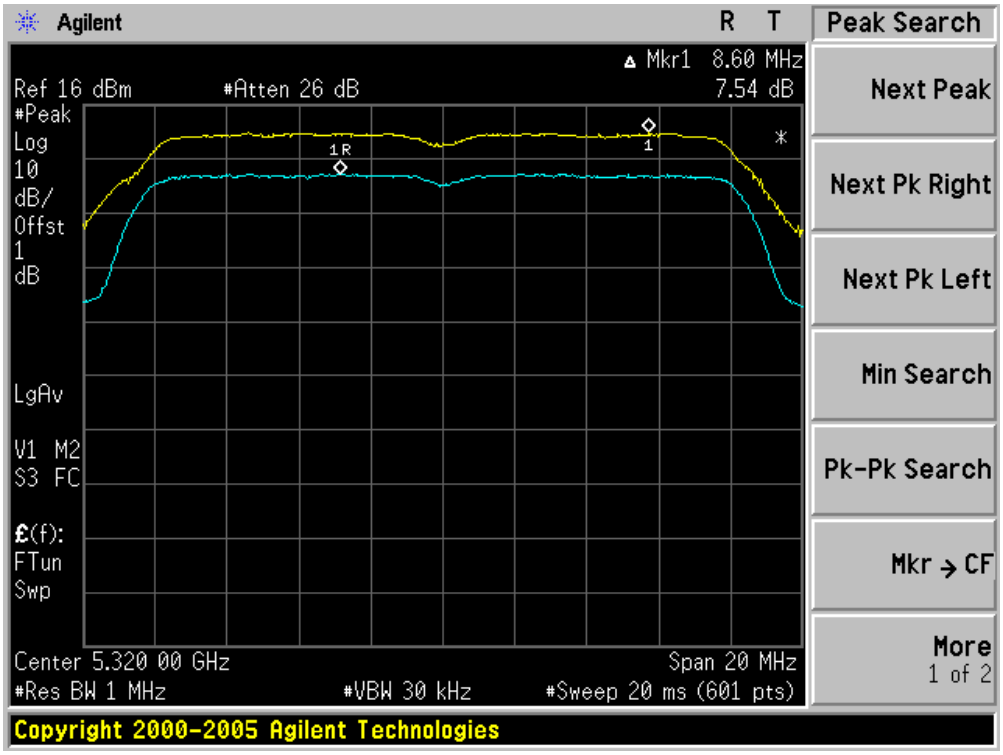
Channel 52 (5260MHz)



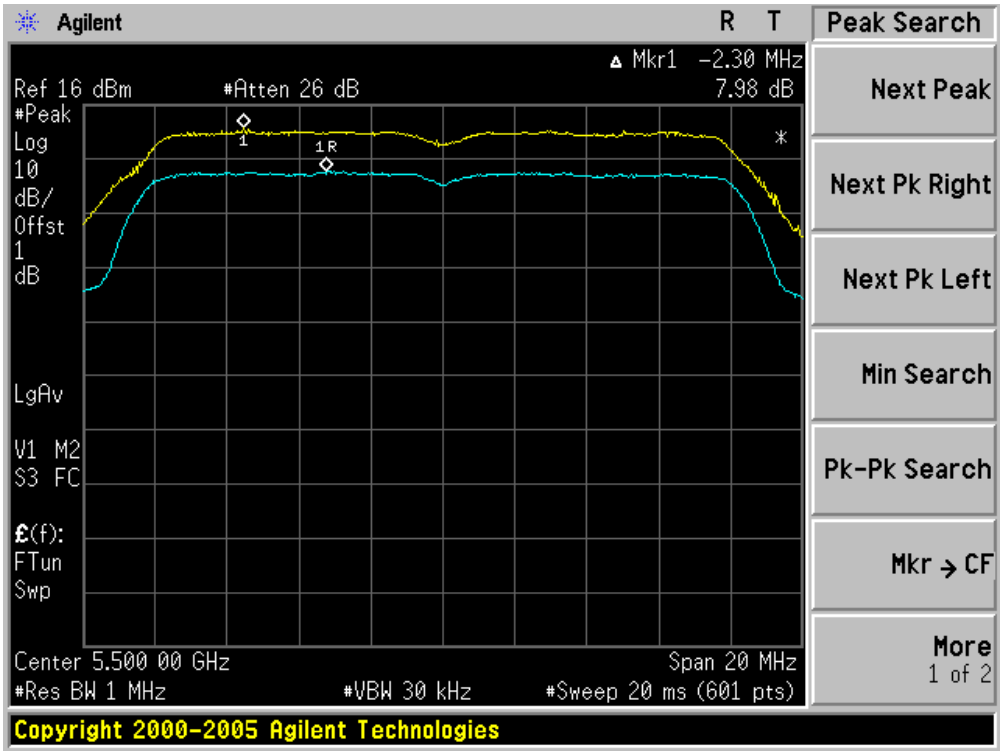
Channel 60 (5300MHz)



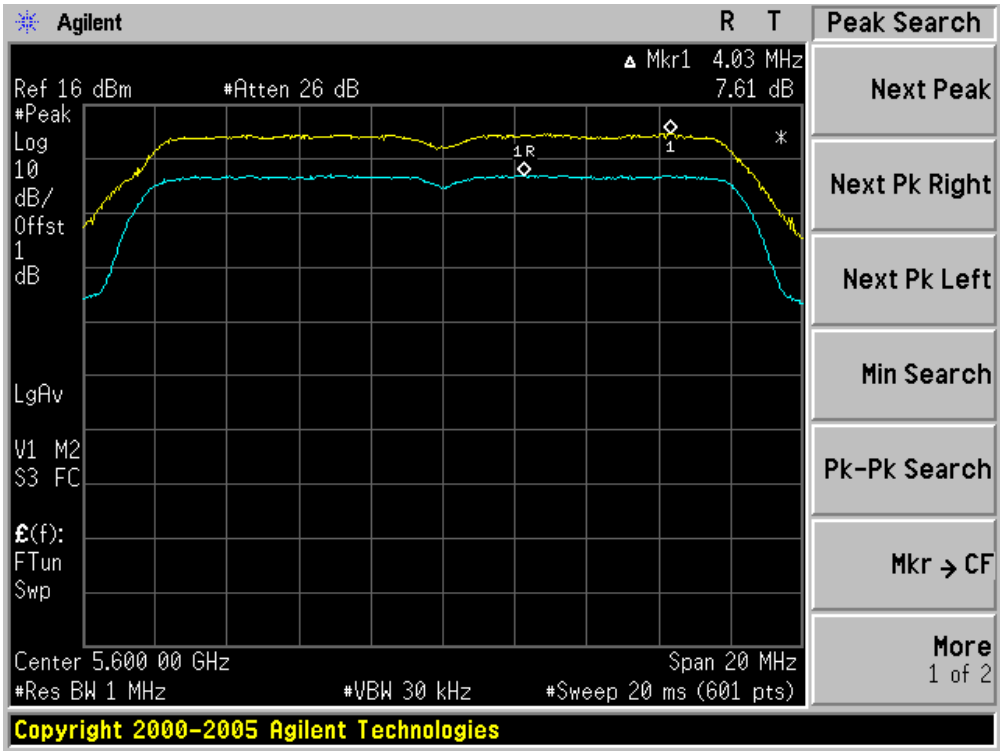
Channel 64 (5320MHz)



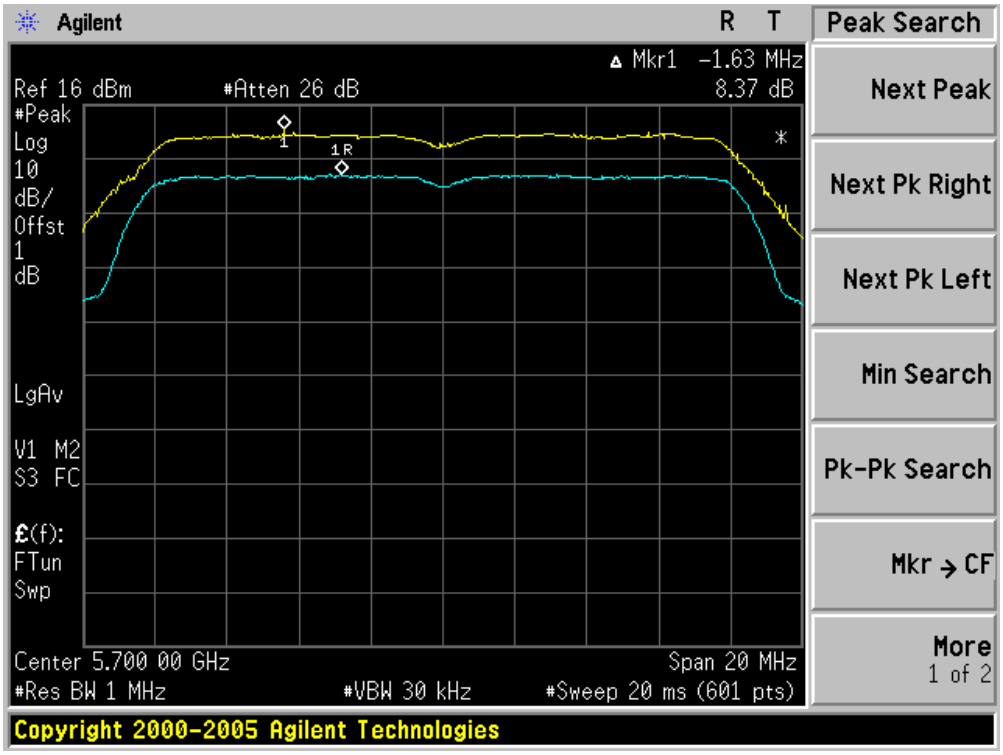
Channel 100 (5500MHz)



Channel 120 (5600MHz)



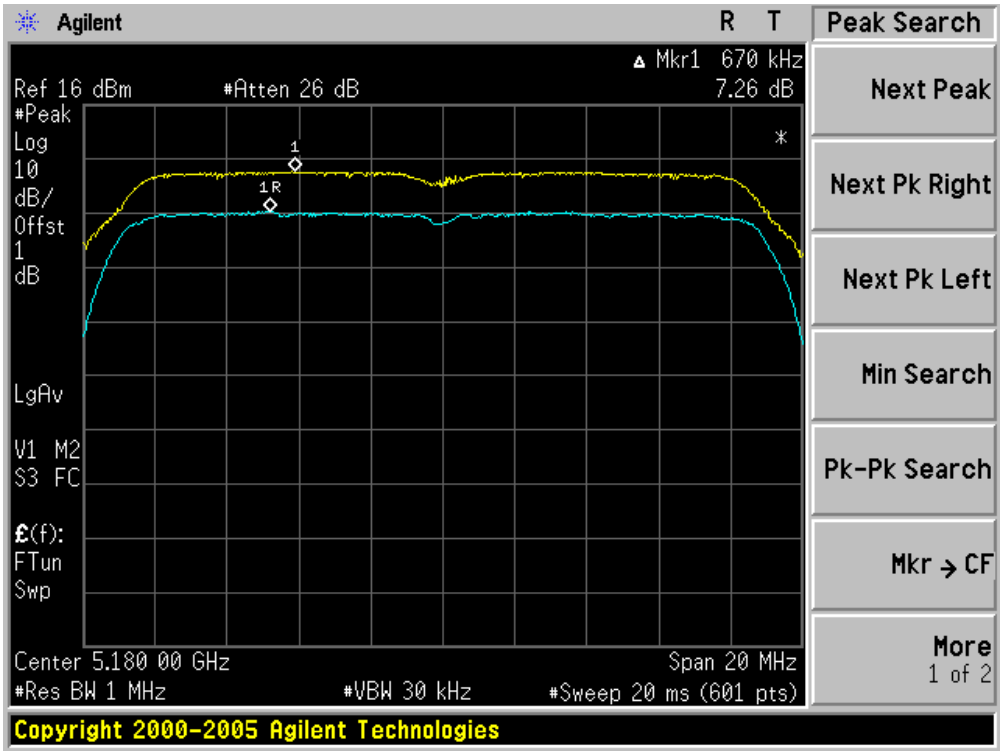
Channel 140 (5700MHz)



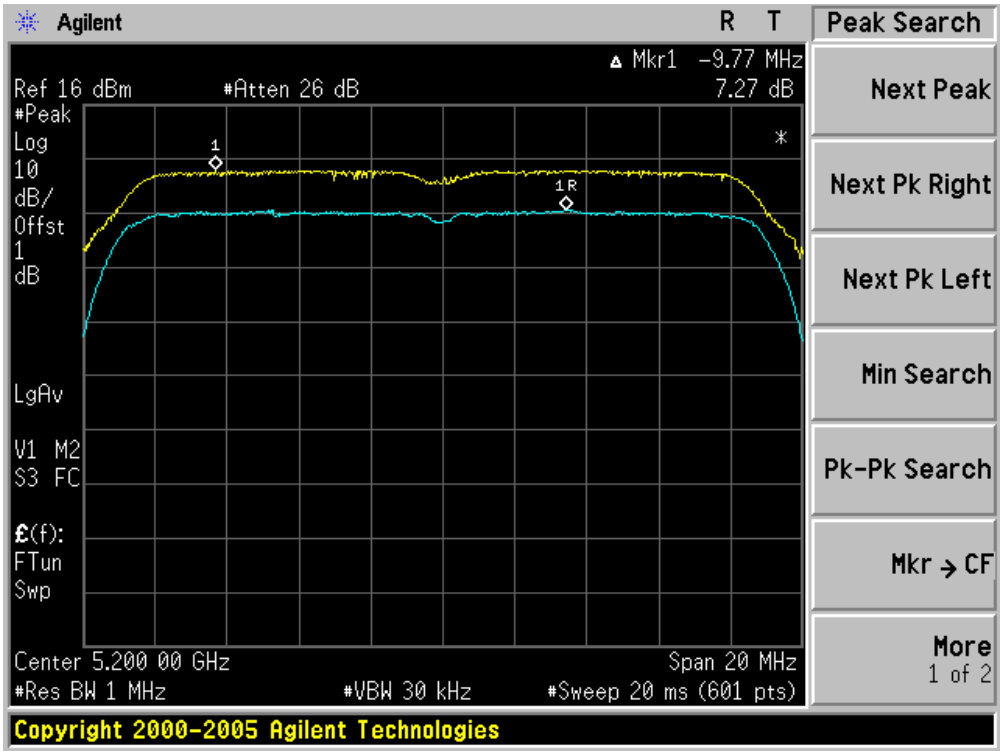
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain A)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
36	5180	7.26	13	Pass
40	5200	7.27	13	Pass
48	5240	7.17	13	Pass
52	5260	7.12	13	Pass
60	5300	7.04	13	Pass
64	5320	7.23	13	Pass
100	5500	6.86	13	Pass
120	5600	6.59	13	Pass
140	5700	7.11	13	Pass

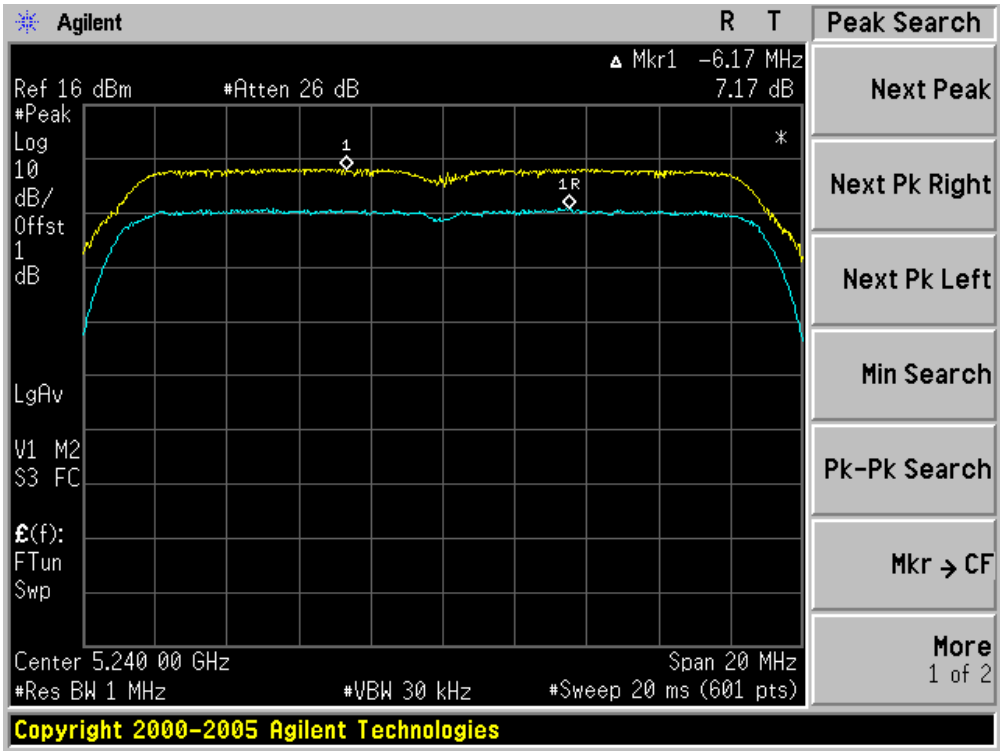
Channel 36 (5180MHz)



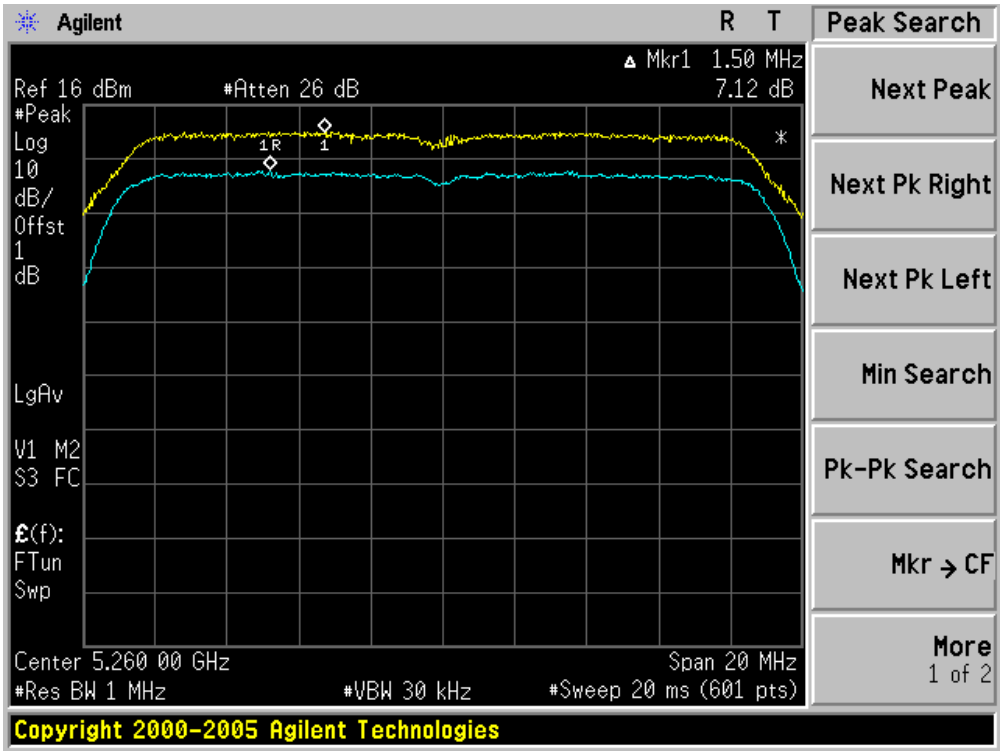
Channel 40 (5200MHz)



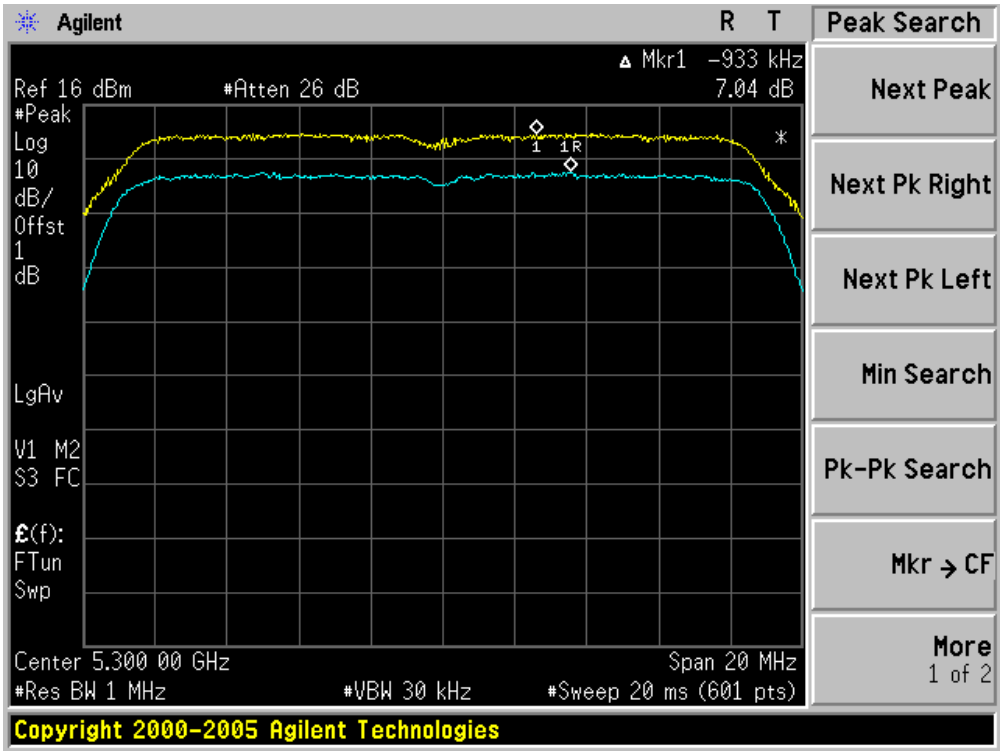
Channel 48 (5240MHz)



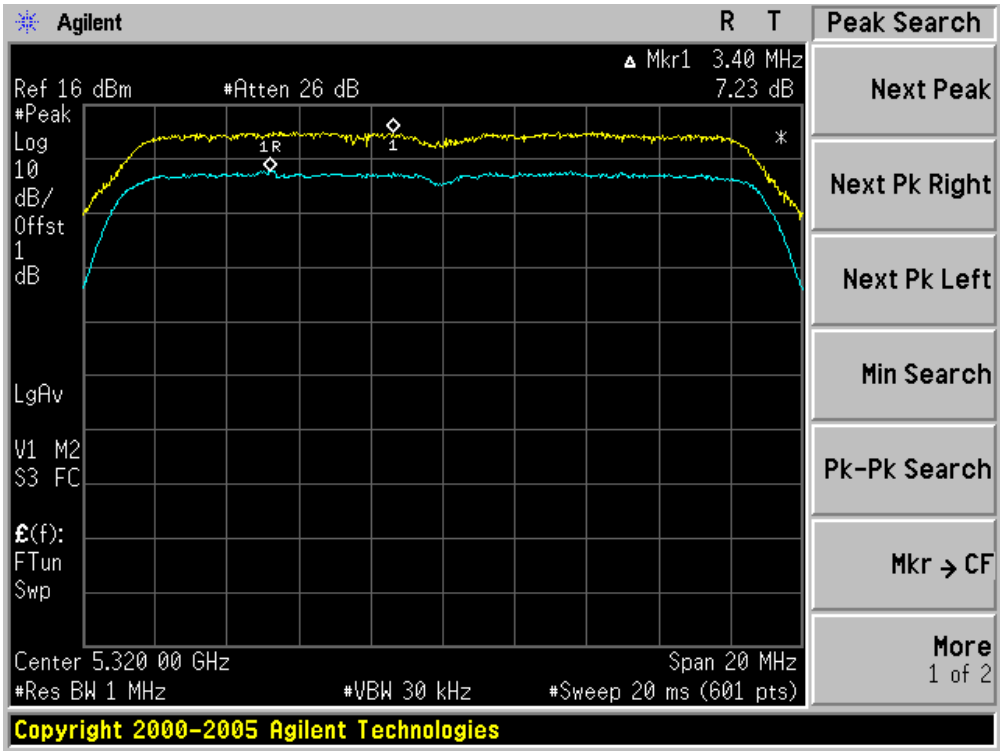
Channel 52 (5260MHz)



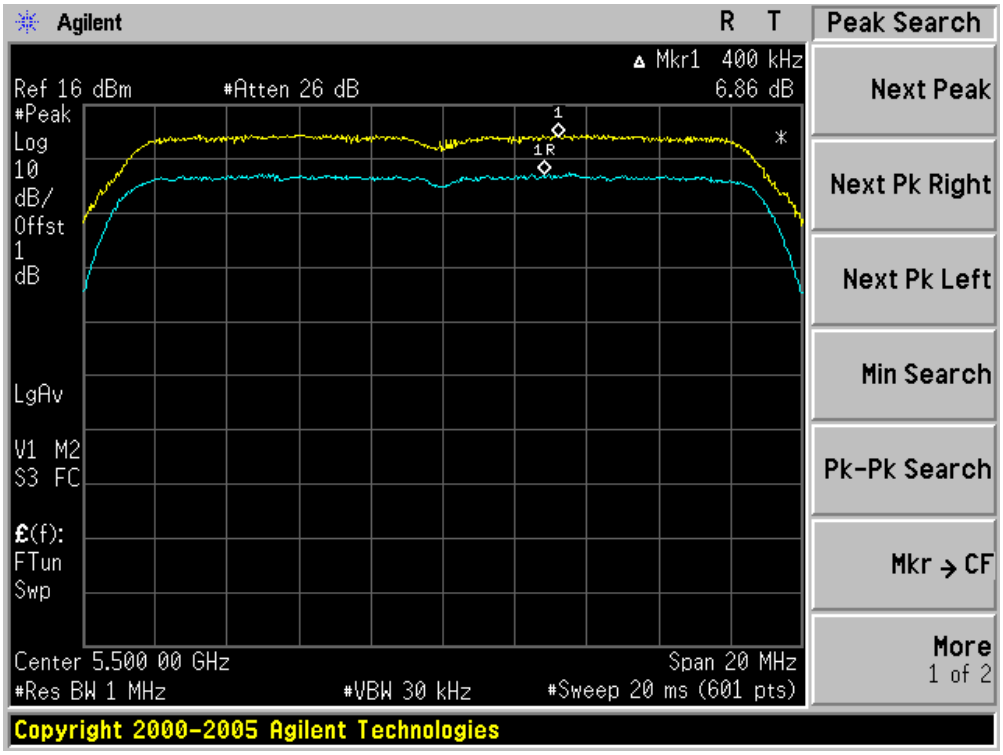
Channel 60 (5300MHz)



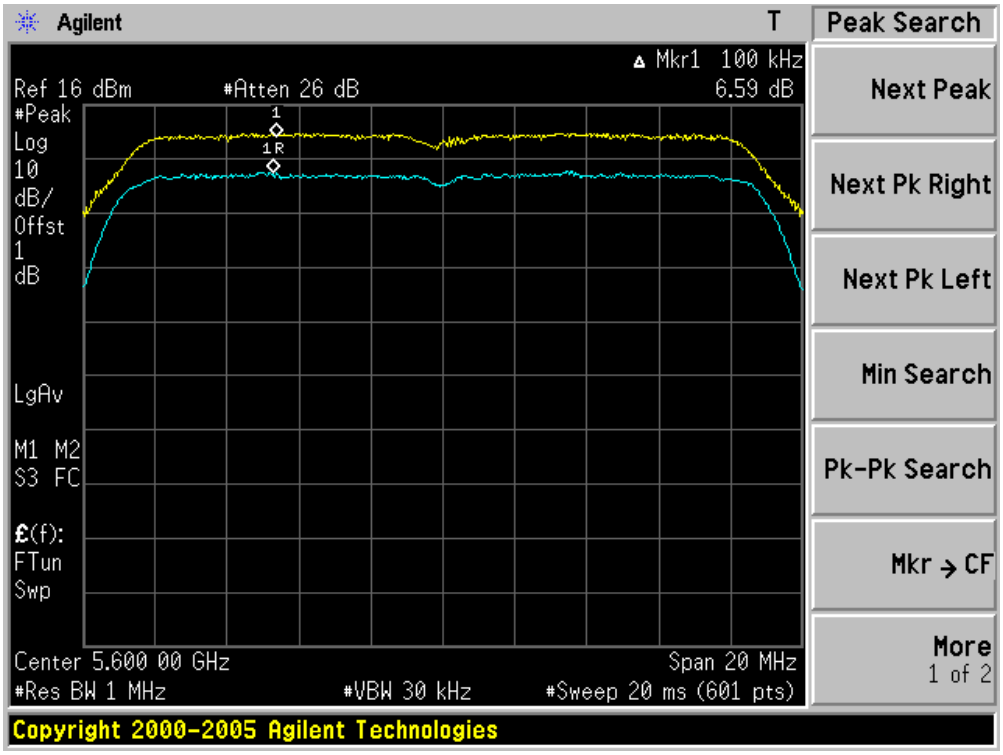
Channel 64 (5320MHz)



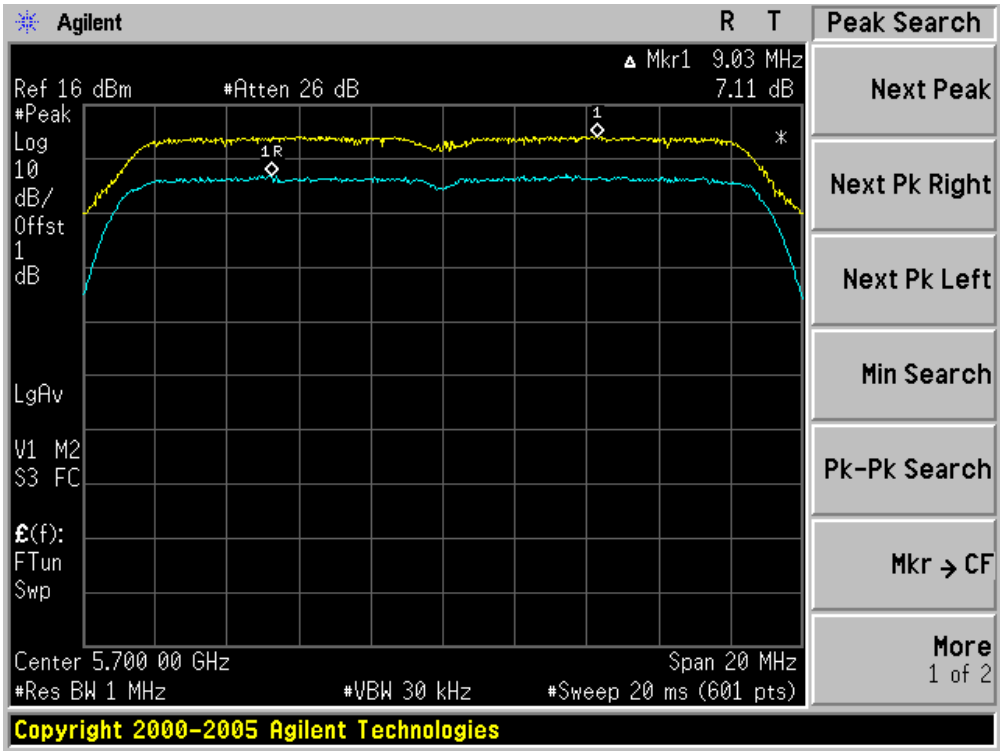
Channel 100 (5500MHz)



Channel 120 (5600MHz)



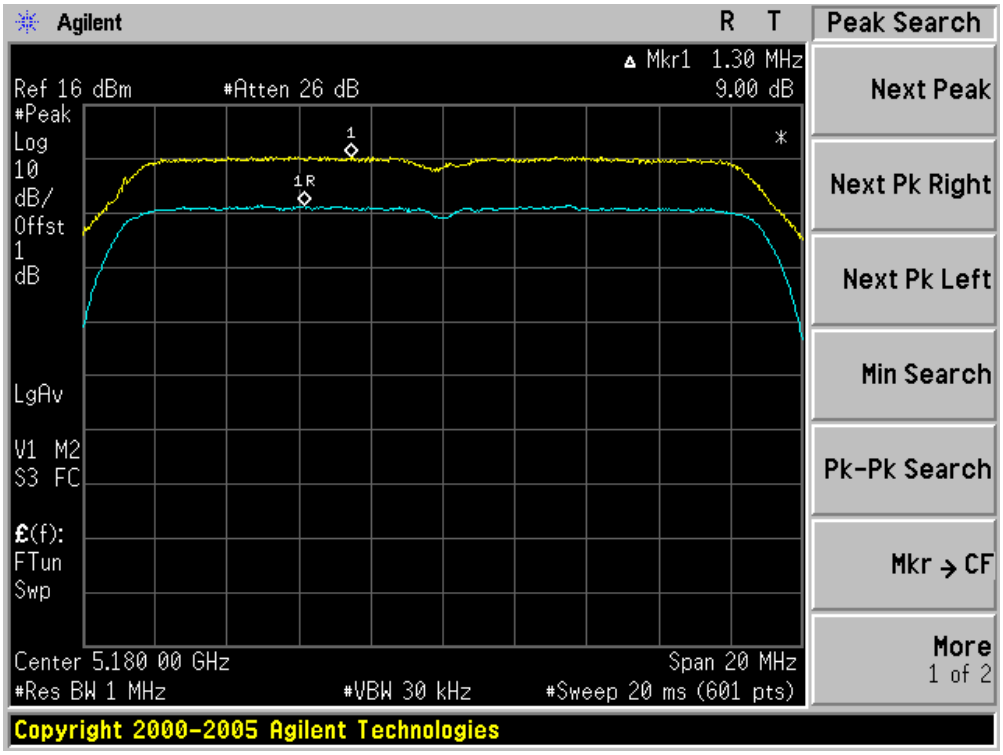
Channel 140 (5700MHz)



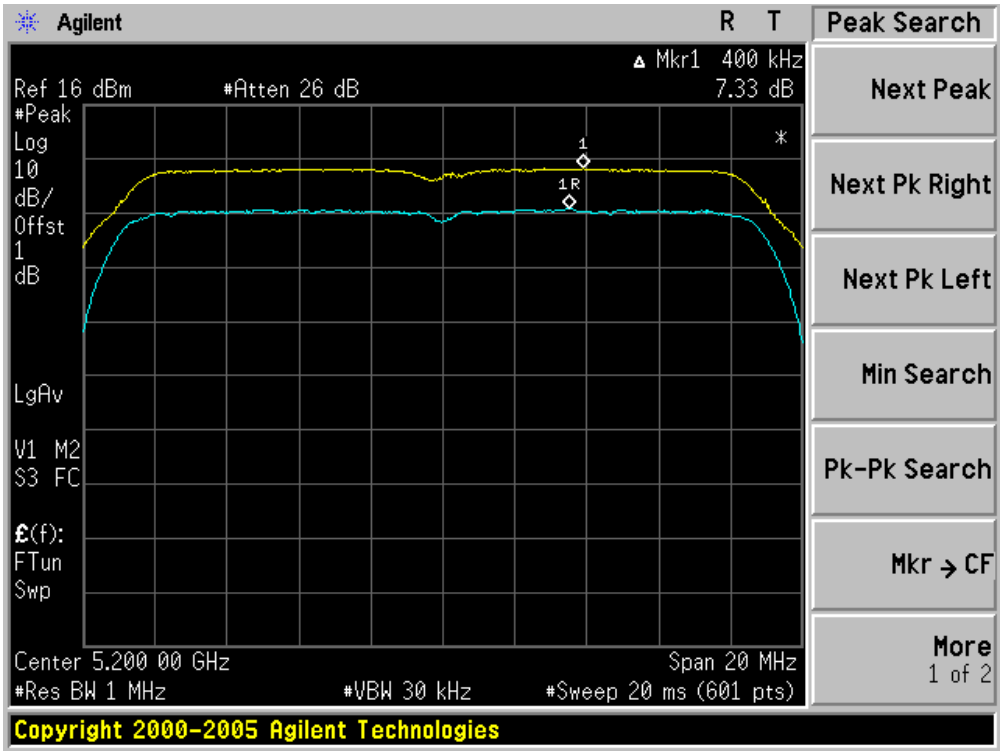
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n (20MHz) (Chain B)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
36	5180	9.00	13	Pass
40	5200	7.33	13	Pass
48	5240	7.66	13	Pass
52	5260	7.68	13	Pass
60	5300	7.76	13	Pass
64	5320	7.71	13	Pass
100	5500	7.56	13	Pass
120	5600	8.01	13	Pass
140	5700	7.89	13	Pass

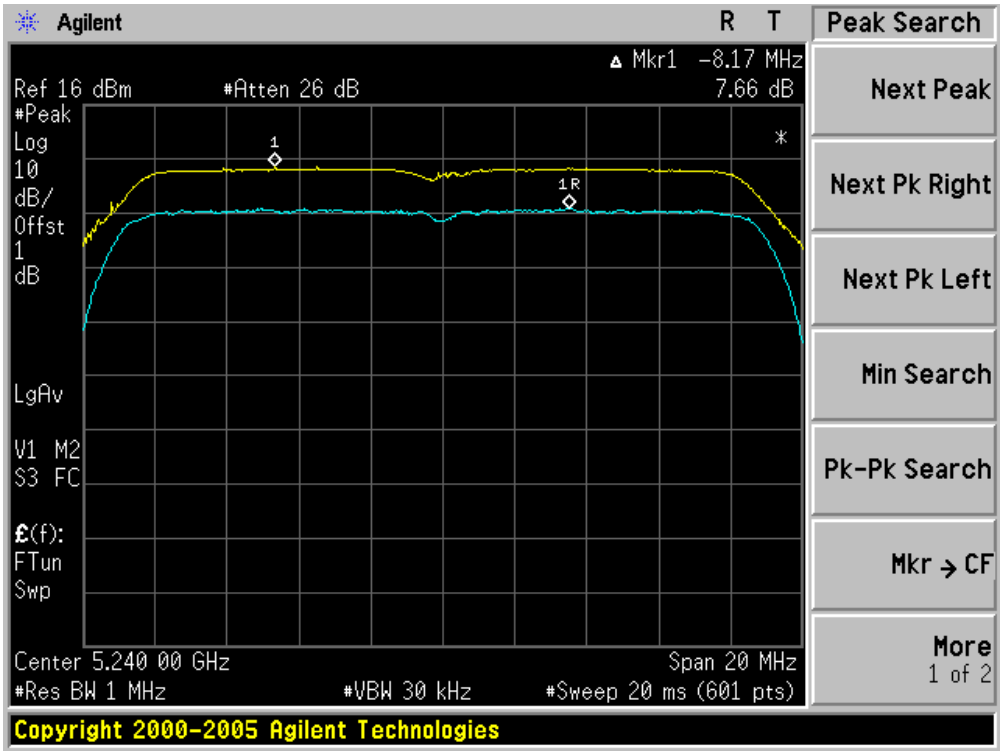
Channel 36 (5180MHz)



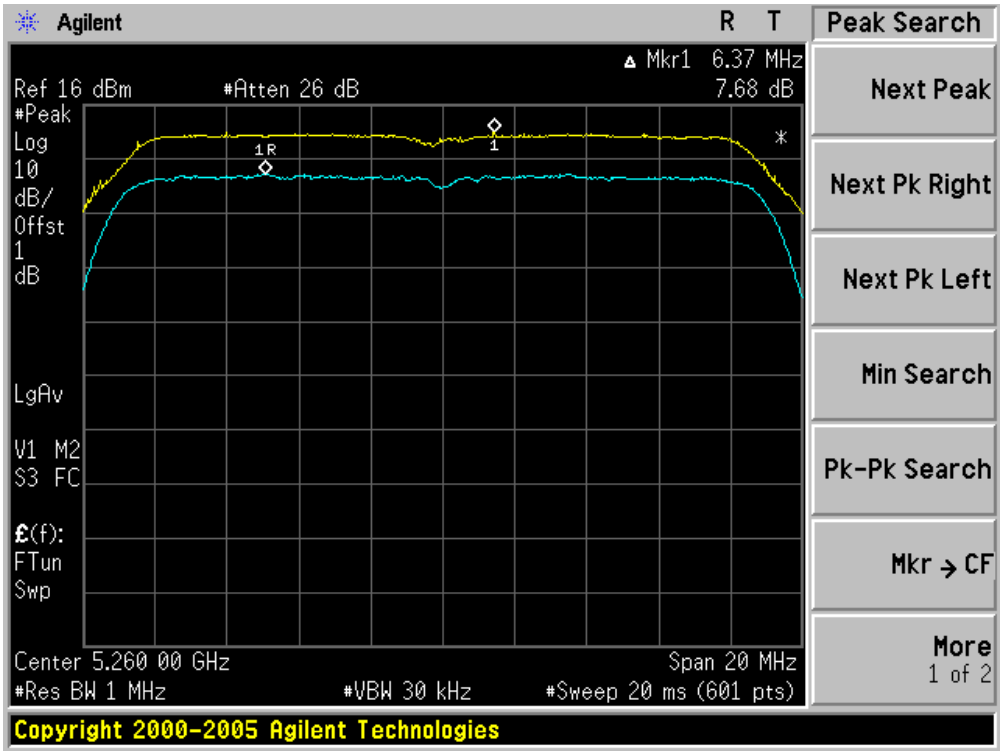
Channel 40 (5200MHz)



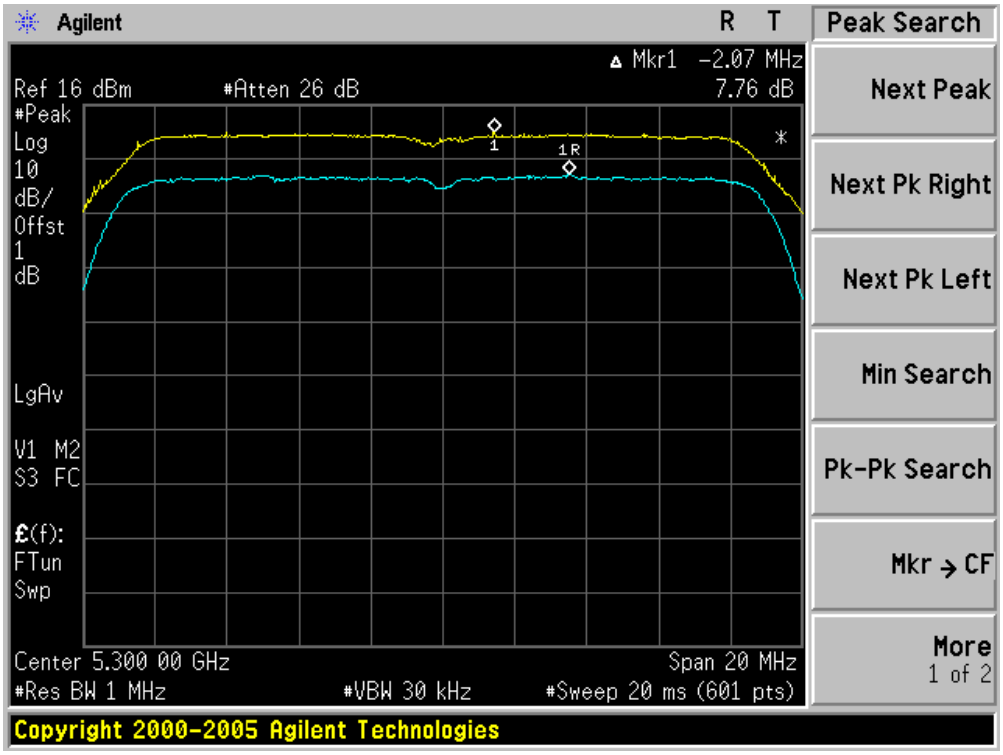
Channel 48 (5240MHz)



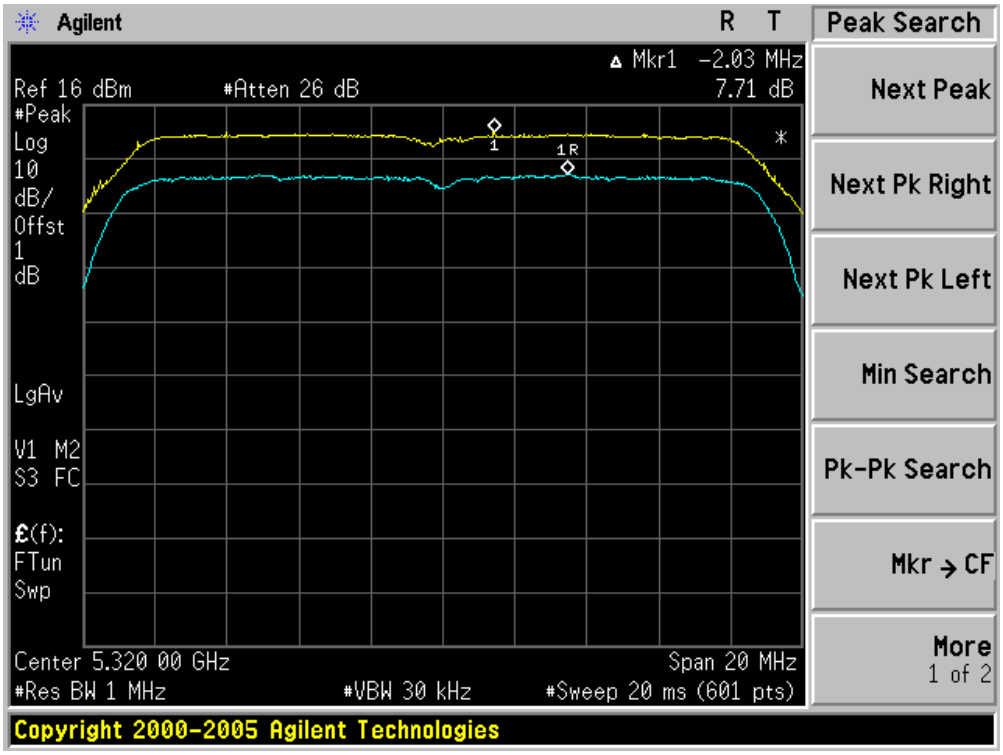
Channel 52 (5260MHz)



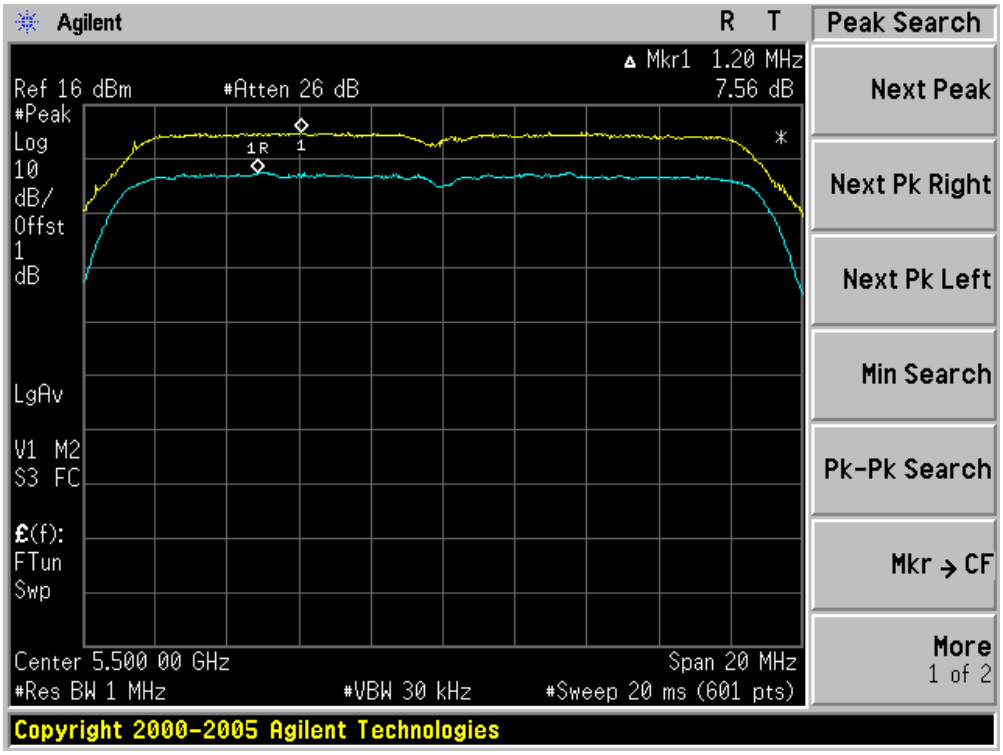
Channel 60 (5300MHz)



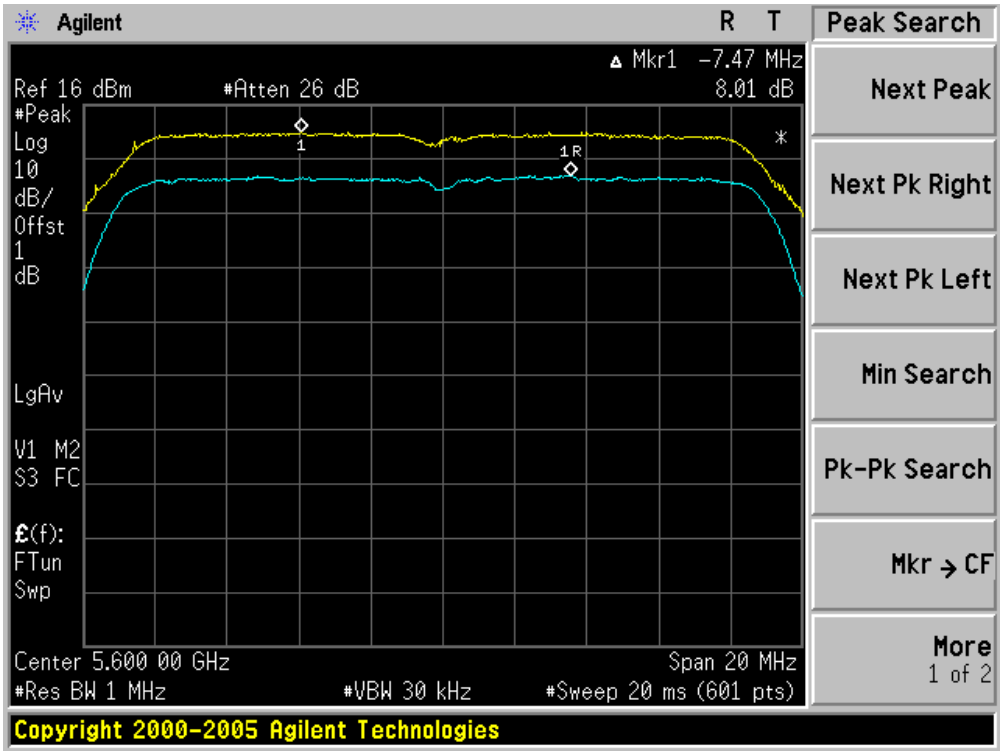
Channel 64 (5320MHz)



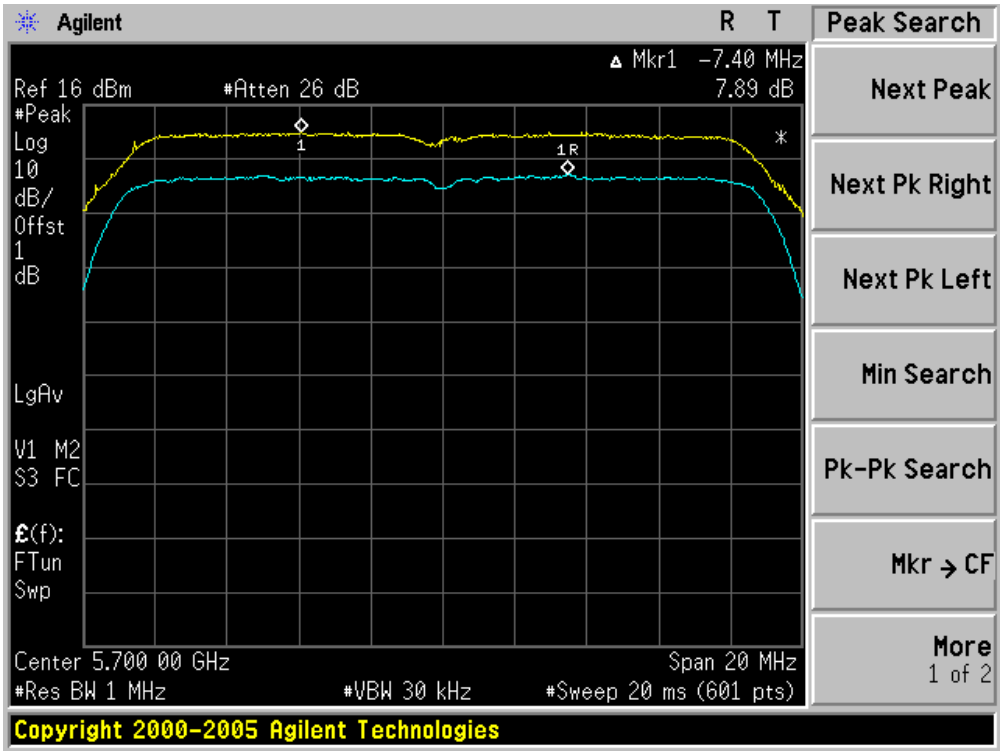
Channel 100 (5500MHz)



Channel 120 (5600MHz)



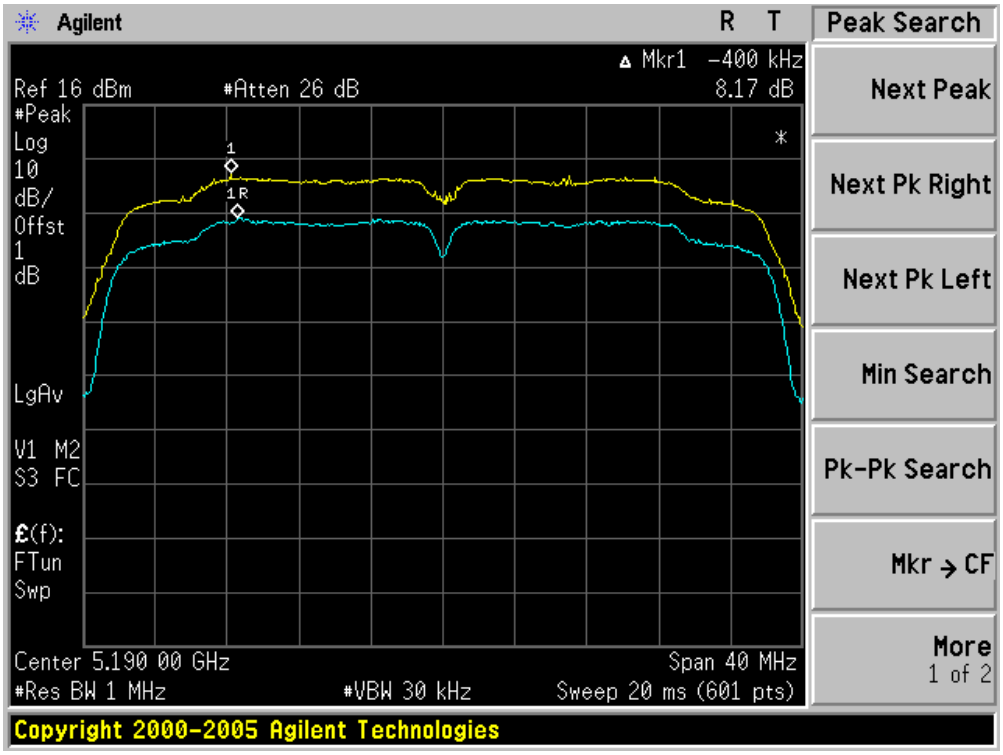
Channel 140 (5700MHz)



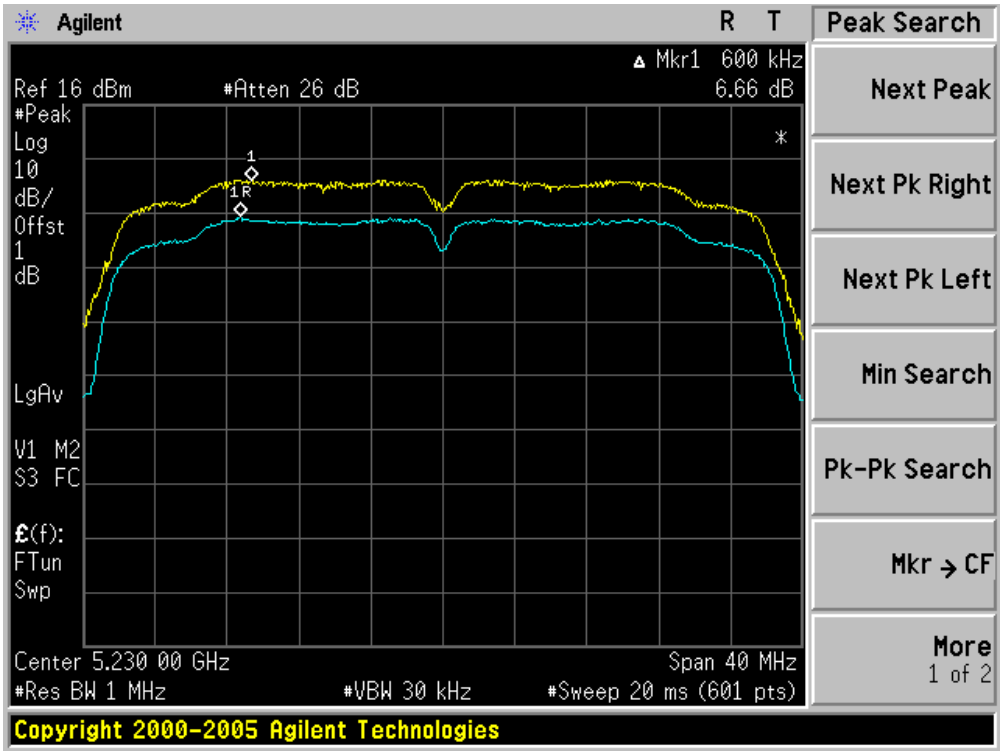
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain A)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
38	5190	8.17	13	Pass
46	5230	6.66	13	Pass
54	5270	7.39	13	Pass
62	5310	7.12	13	Pass
102	5510	7.33	13	Pass
118	5590	7.30	13	Pass
134	5670	9.32	13	Pass

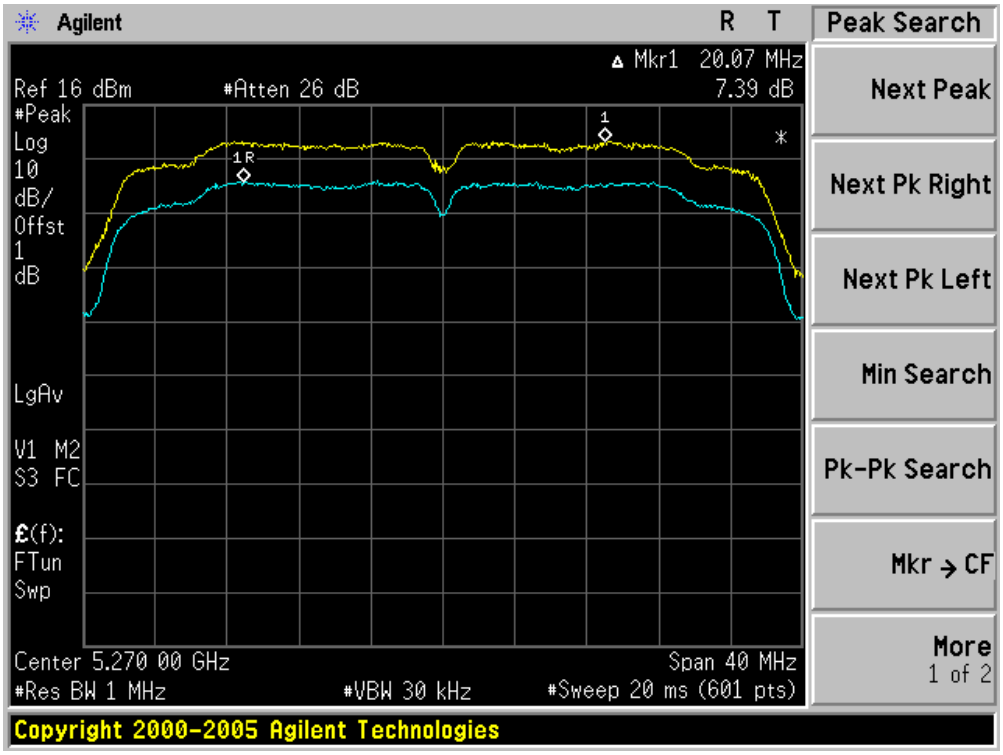
Channel 38 (5190MHz)



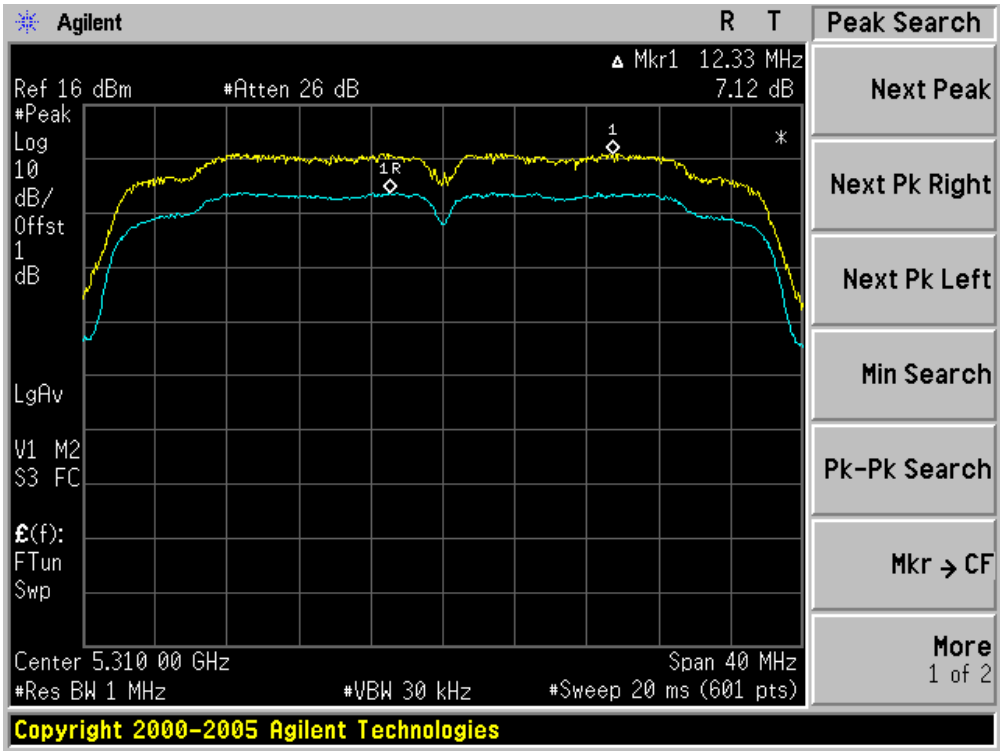
Channel 46 (5230MHz)



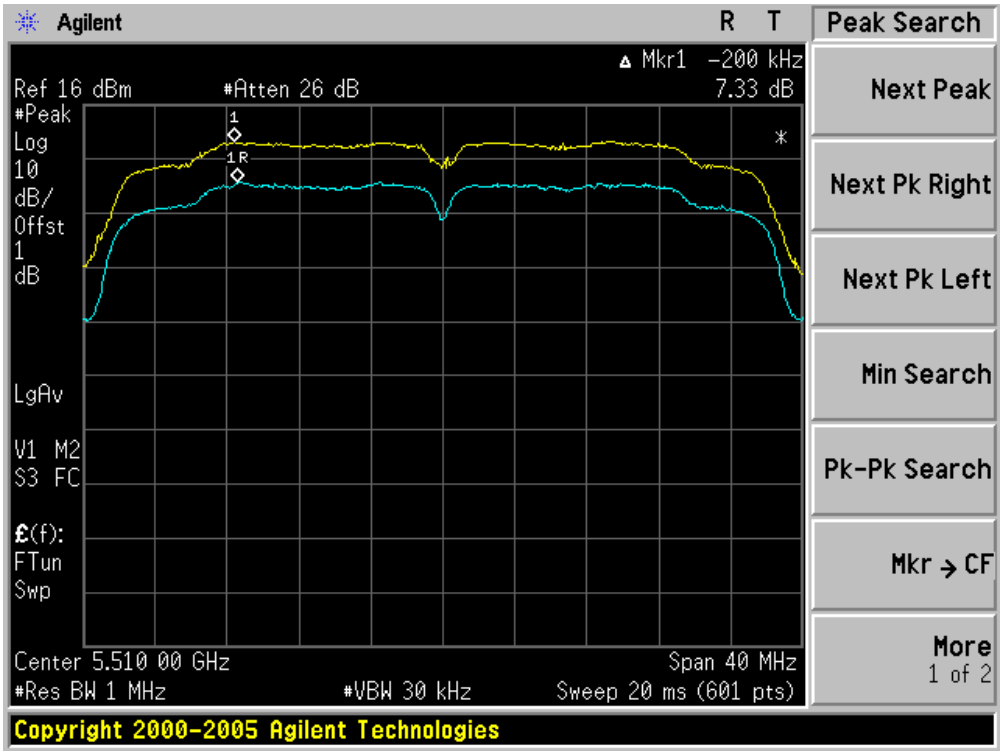
Channel 54 (5270MHz)



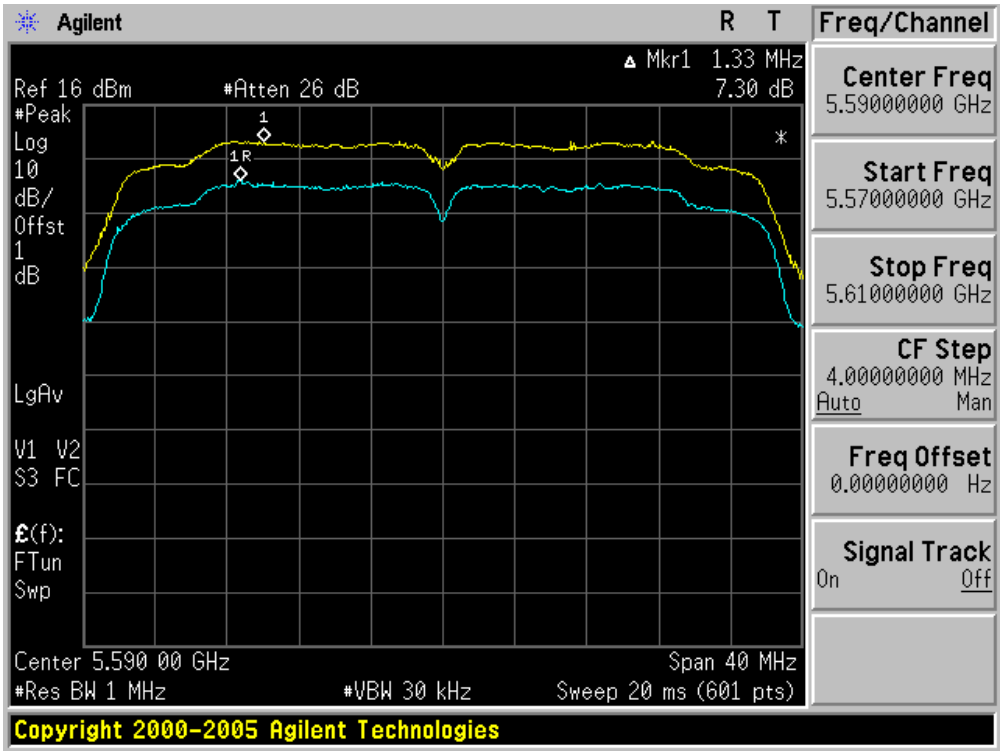
Channel 62 (5310MHz)



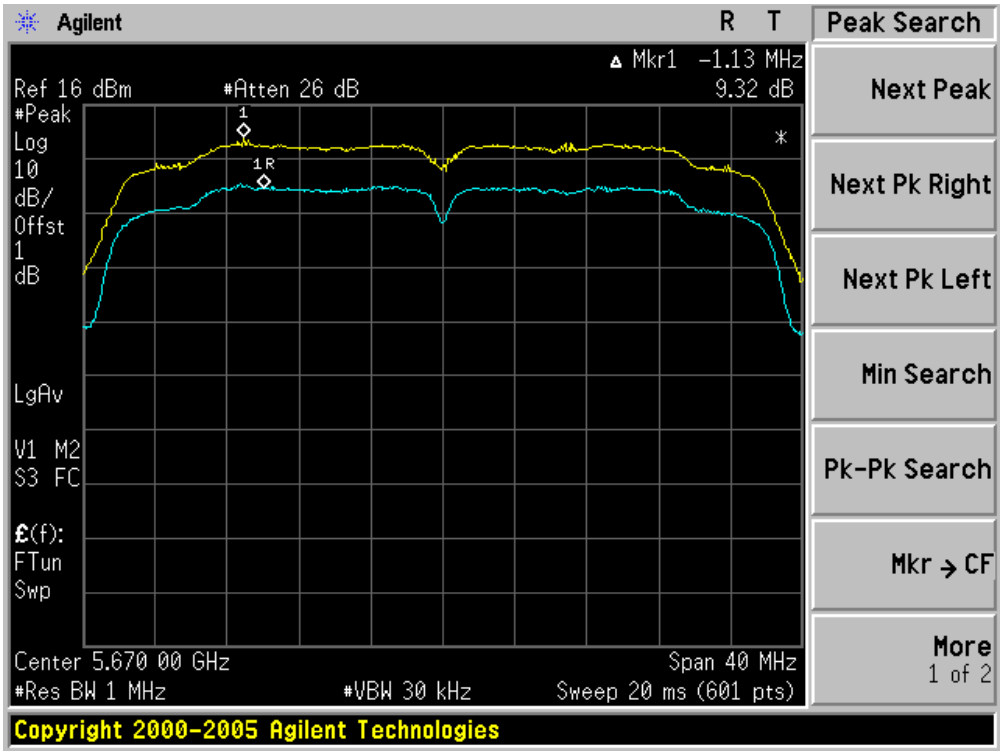
Channel 102 (5510MHz)



Channel 118 (5590MHz)



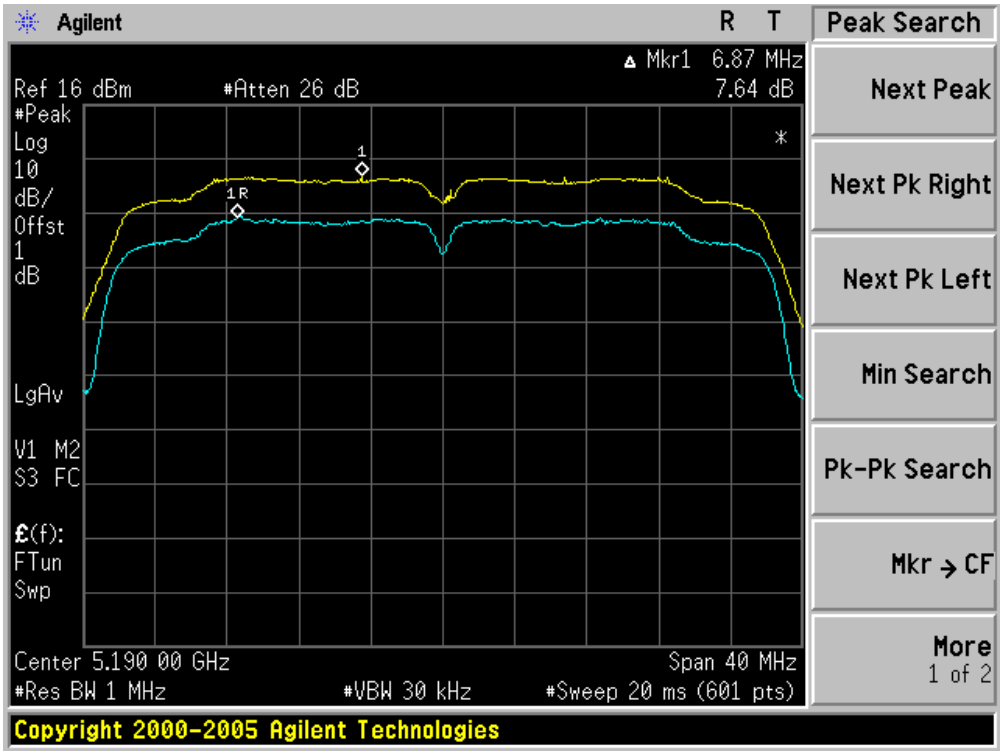
Channel 134 (5670MHz)



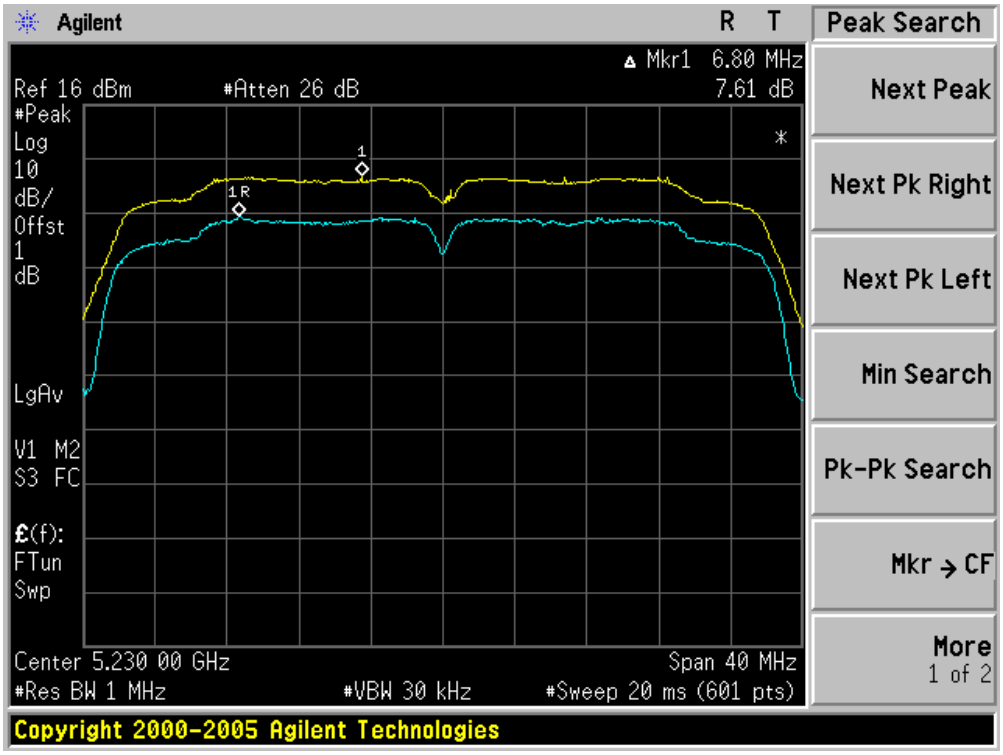
Product	:	Eee PC
Test Item	:	Peak Excursion
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n (40MHz) (Chain B)

Channel No.	Frequency (MHz)	Peak Excursion (dB)	Limit (dB)	Result
38	5190	7.64	13	Pass
46	5230	7.61	13	Pass
54	5270	8.09	13	Pass
62	5310	7.57	13	Pass
102	5510	7.33	13	Pass
118	5590	7.28	13	Pass
134	5670	7.67	13	Pass

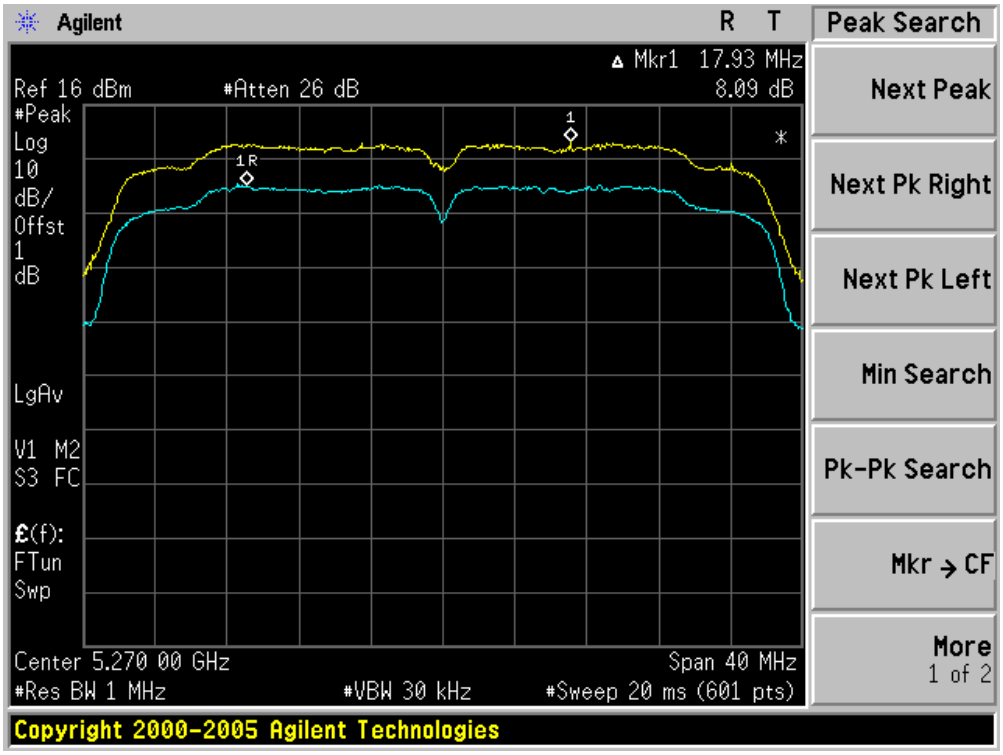
Channel 38 (5190MHz)



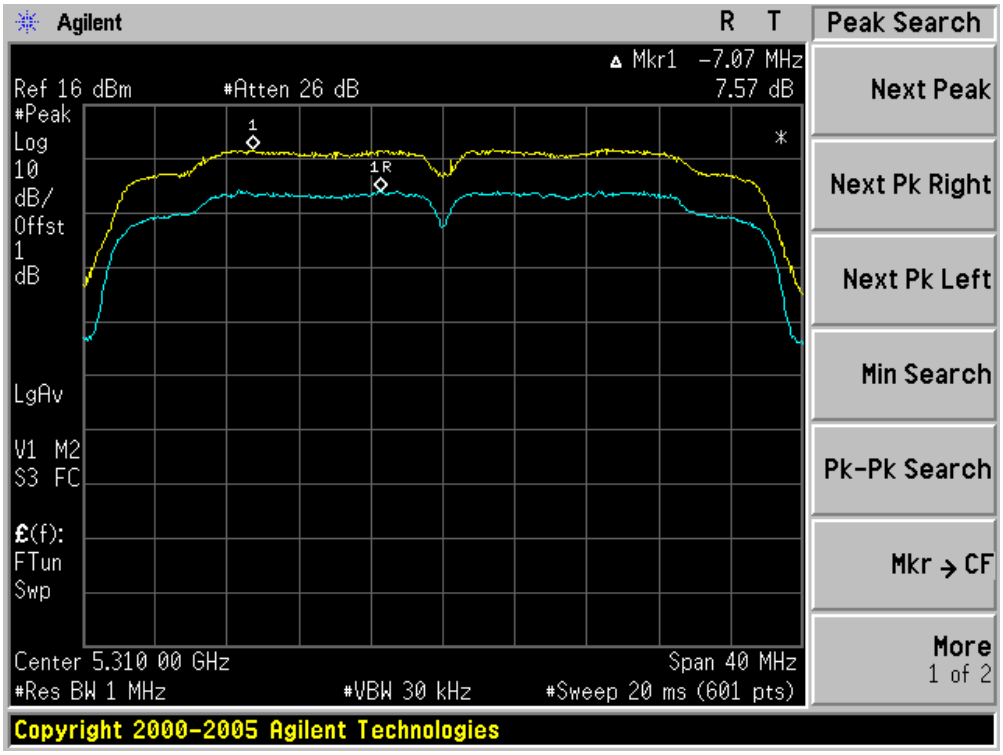
Channel 46 (5230MHz)



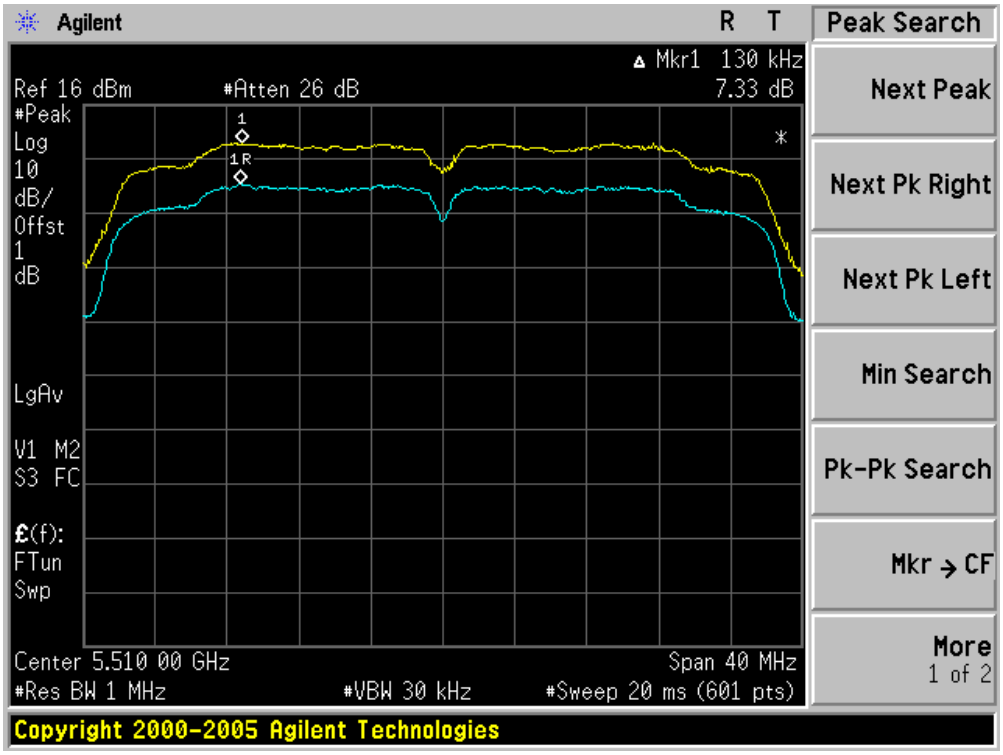
Channel 54 (5270MHz)



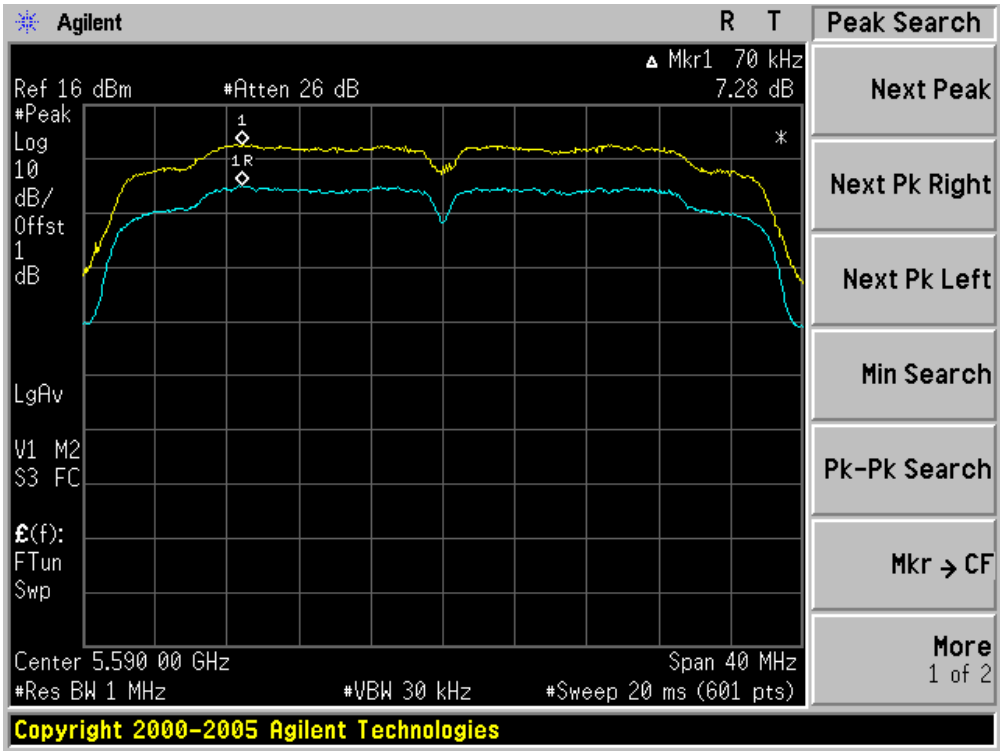
Channel 62 (5310MHz)



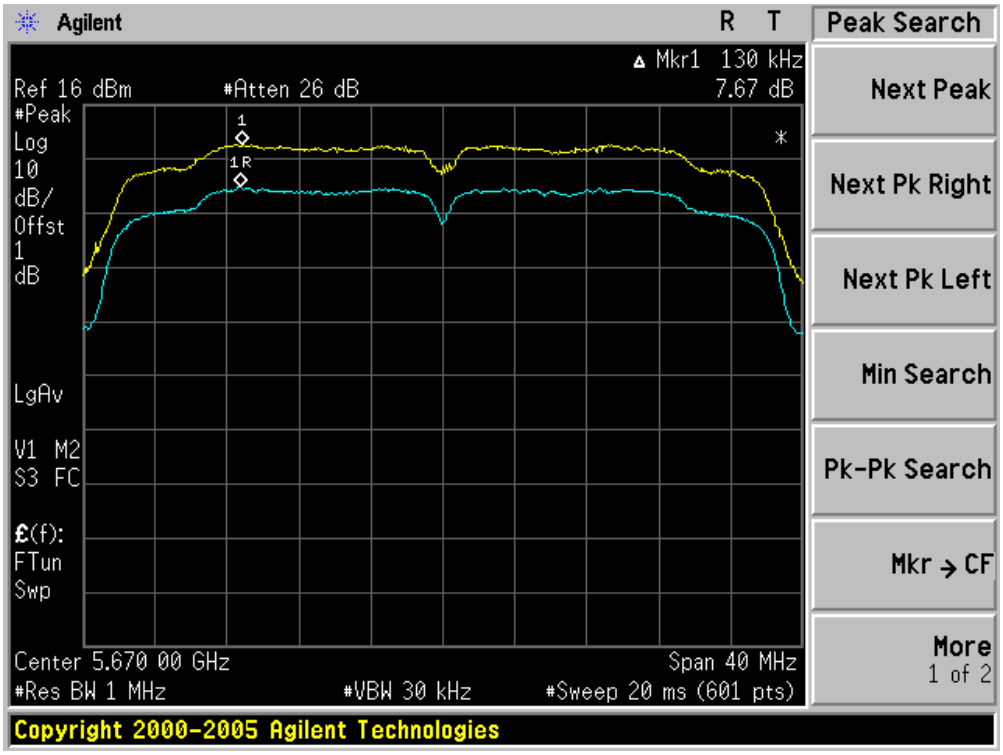
Channel 102 (5510MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)



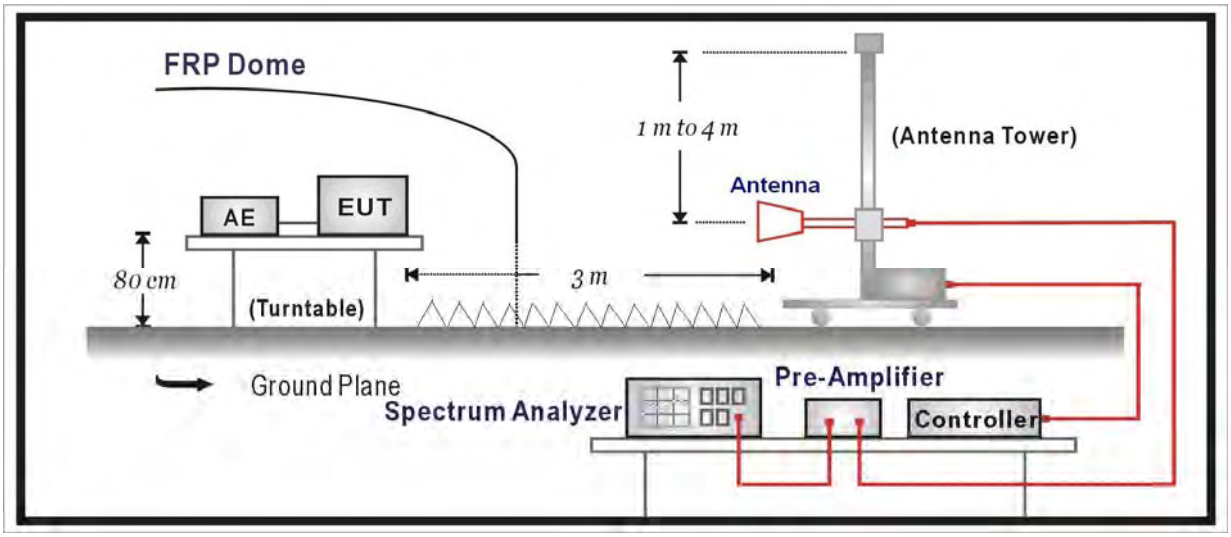
10. Radiated Emission Band Edge

10.1. 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	2009.11.21
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

10.2. Test Setup



10.3. Limit

For 15.205 requirement:

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).

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

For 15.407(b) requirement:

- For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27dBm/MHz in the 5.15-5.25 GHz band.
- For transmitters operating in the 5.47-5.725 GHz band: all emission outside of the 5.47-5725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- For transmitters operating in the 5.725-5.825 GHz band: all emission within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5825	-27 [Note(1)]	68.3
	-17 [Note(2)]	78.3
Note(1): Outsitde the frequency range 5715 - 5835MHz. Note(2): Within the frequency range from the band edge to 10MHz below or above the band edge, 5715 – 5725MHz and 5825 - 5835MHz.		

10.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009 for compliance to FCC 47CFR 15.407 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.

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.

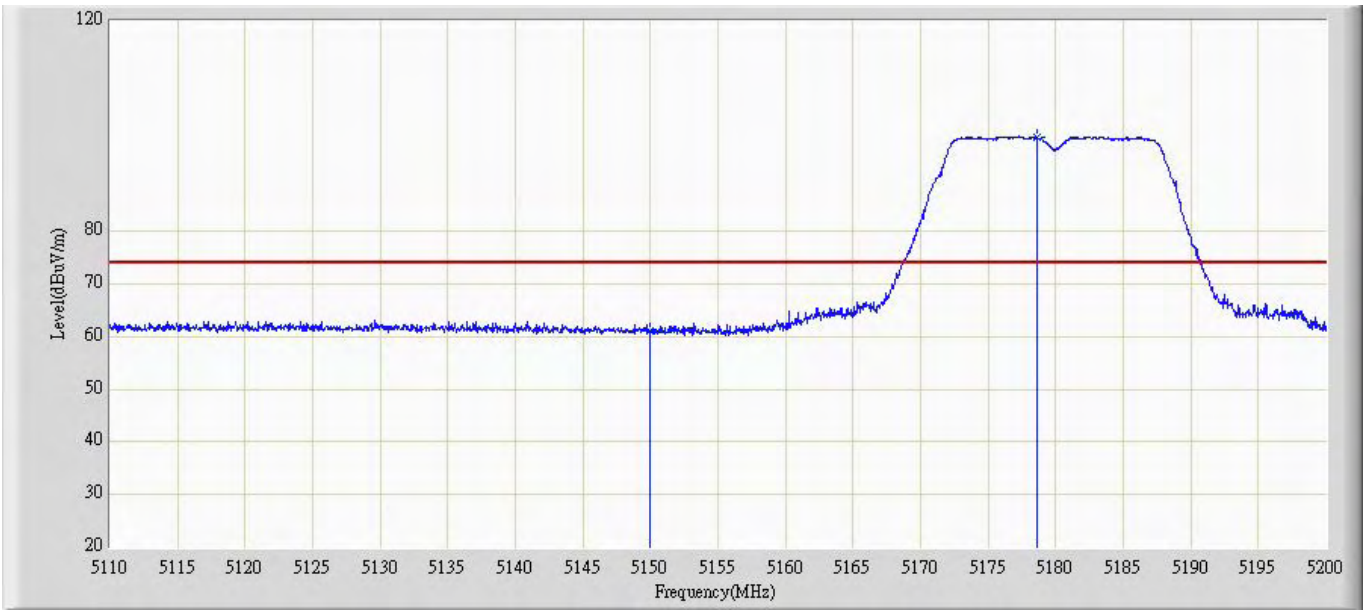
10.5. Uncertainty

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

10.6. Test Result

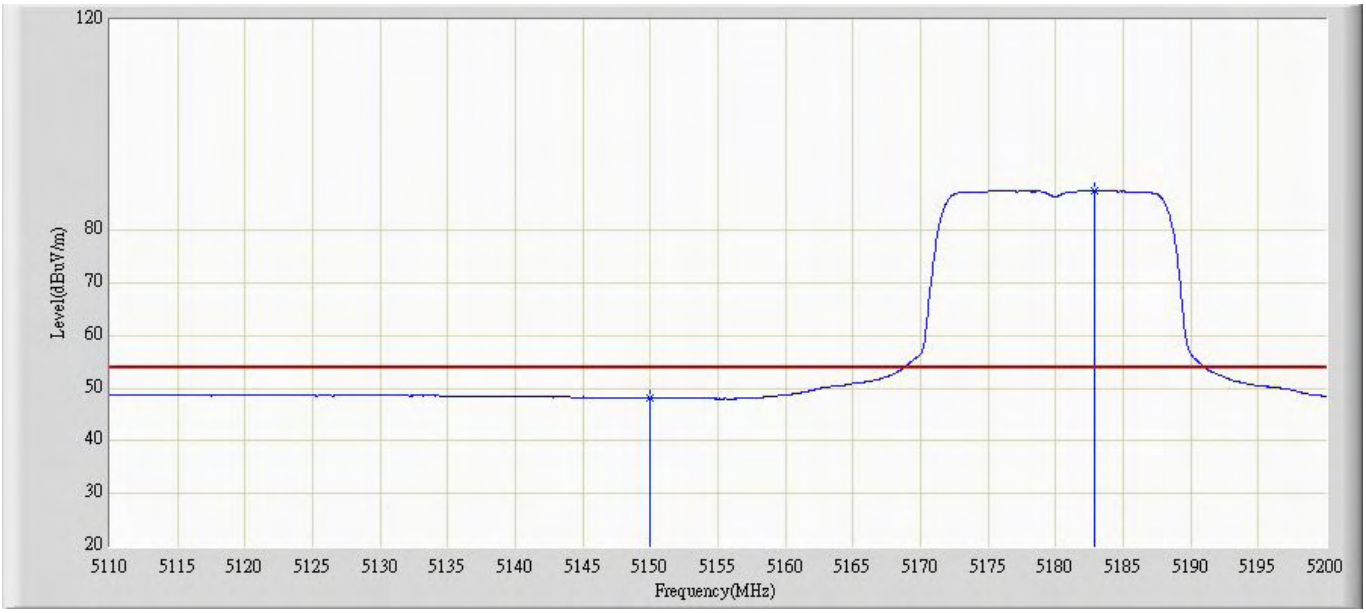
Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;
Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

Profile: 109S008R	Page No.: 81
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain A)	



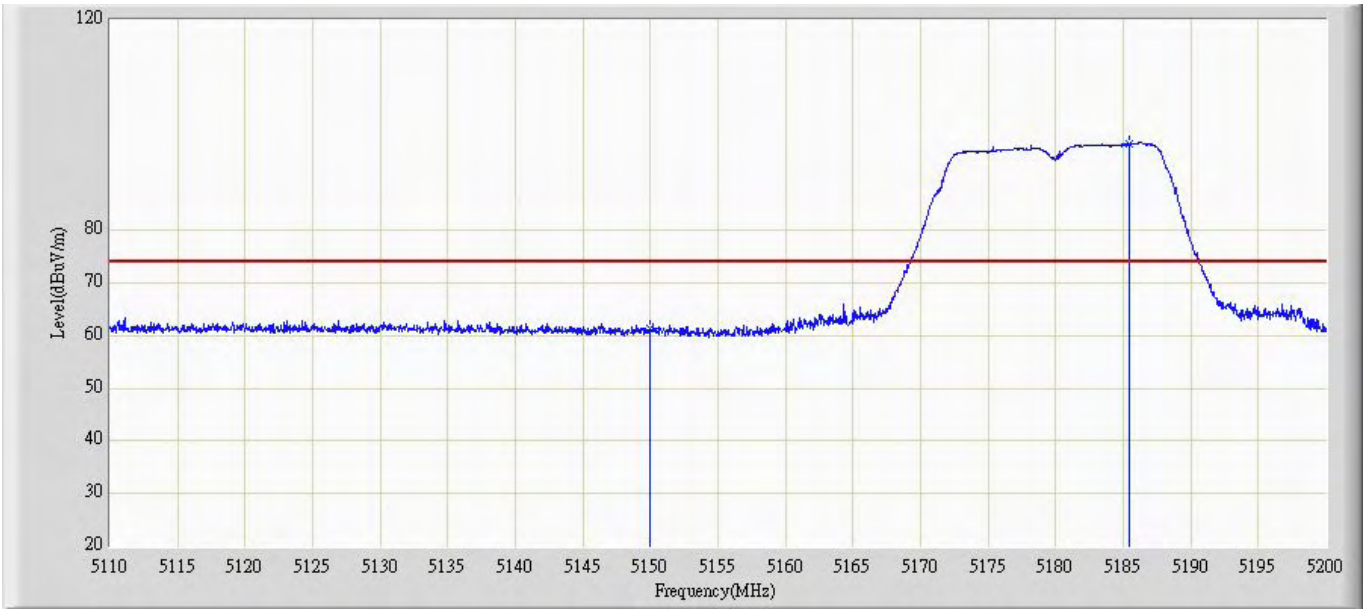
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.137	25.518	-12.863	74.000	35.619	PK
2	*	5178.670	97.886	62.756	N/A	N/A	35.130	PK

Profile: 109S008R	Page No.: 82
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain A)	



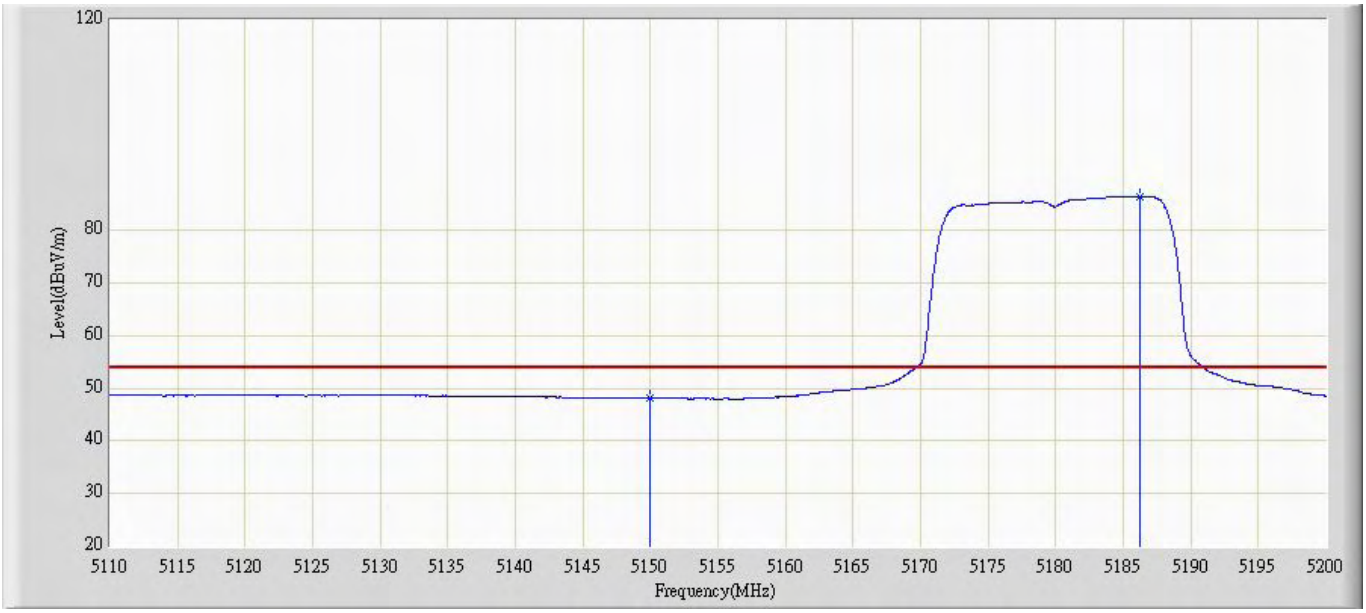
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.135	12.516	-5.865	54.000	35.619	AV
2	*	5182.855	87.556	52.451	N/A	N/A	35.105	AV

Profile: 109S008R	Page No.: 83
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain A)	



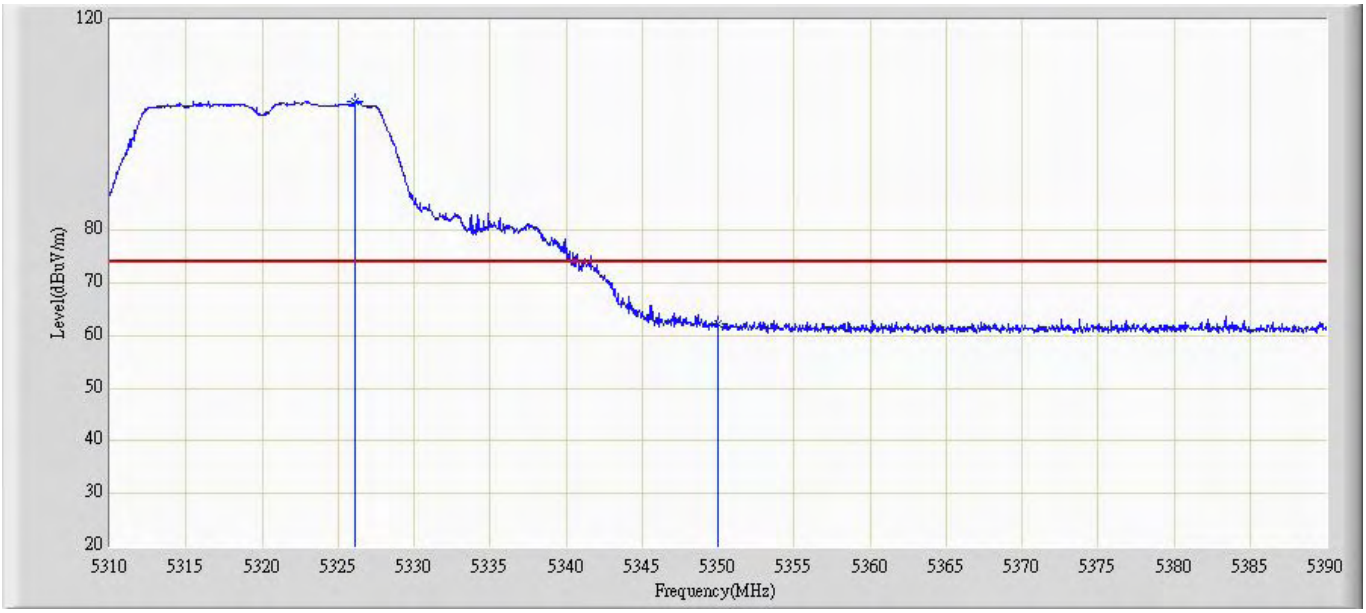
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.434	25.815	-12.566	74.000	35.619	PK
2	*	5185.465	96.567	61.417	N/A	N/A	35.150	PK

Profile: 109S008R	Page No.: 84
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain A)	



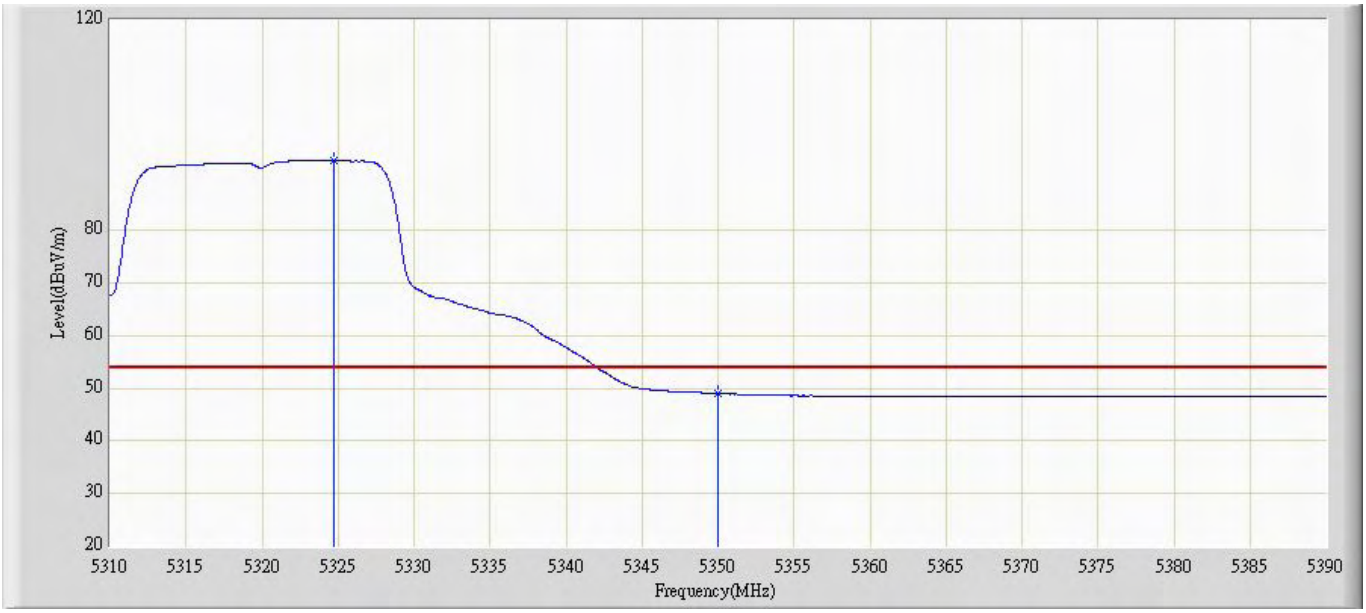
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.129	12.510	-5.871	54.000	35.619	AV
2	*	5186.230	86.309	51.146	N/A	N/A	35.163	AV

Profile: 109S008R	Page No.: 85
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain A)	



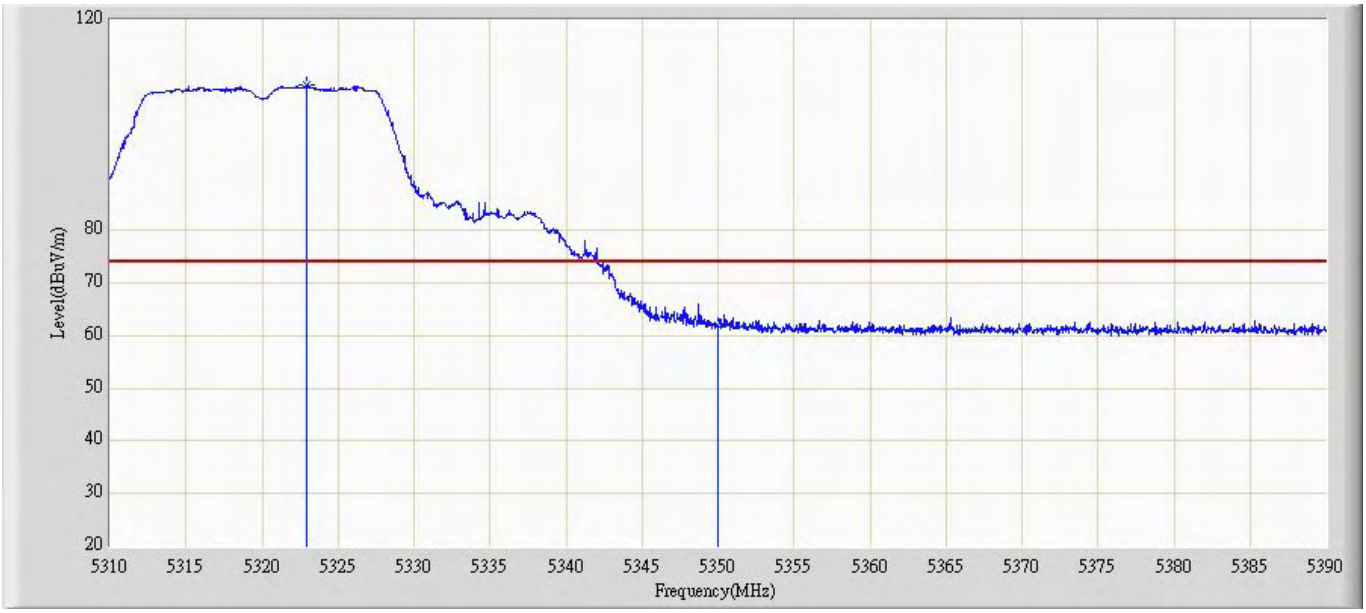
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5326.160	104.349	68.629	N/A	N/A	35.720	PK
2		5350.000	62.210	26.441	-11.790	74.000	35.769	PK

Profile: 109S008R	Page No.: 86
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain A)	



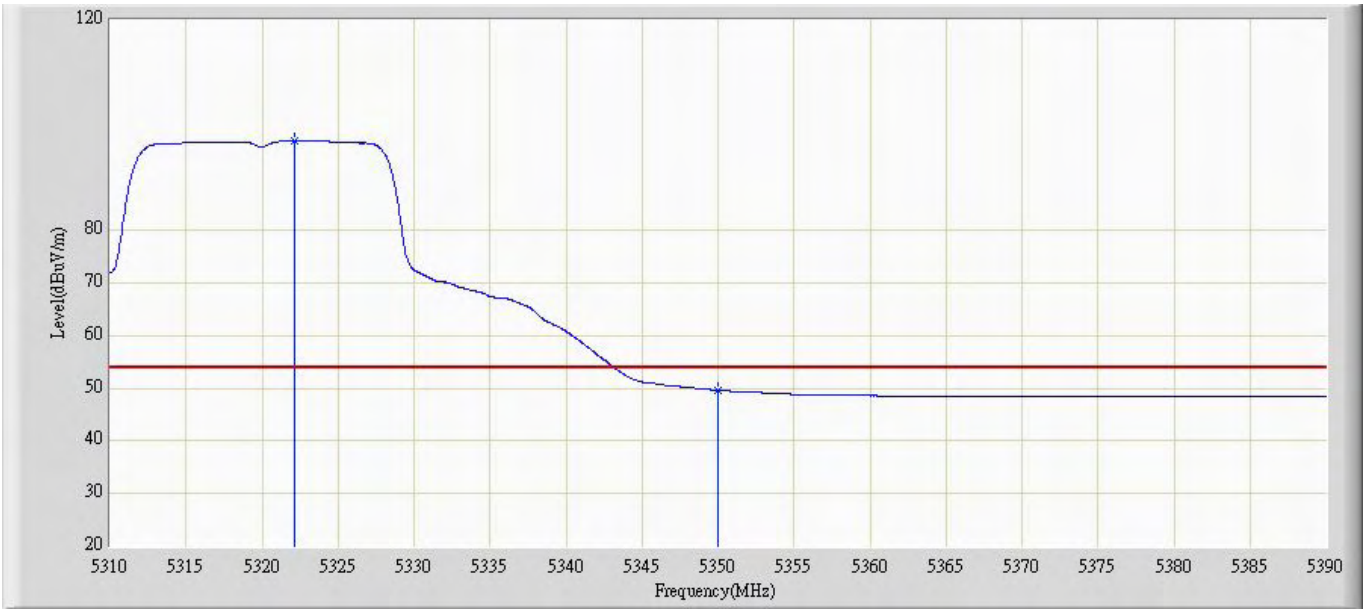
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5324.720	93.254	57.535	N/A	N/A	35.719	AV
2		5350.000	49.042	13.273	-4.958	54.000	35.769	AV

Profile: 109S008R	Page No.: 87
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain A)	



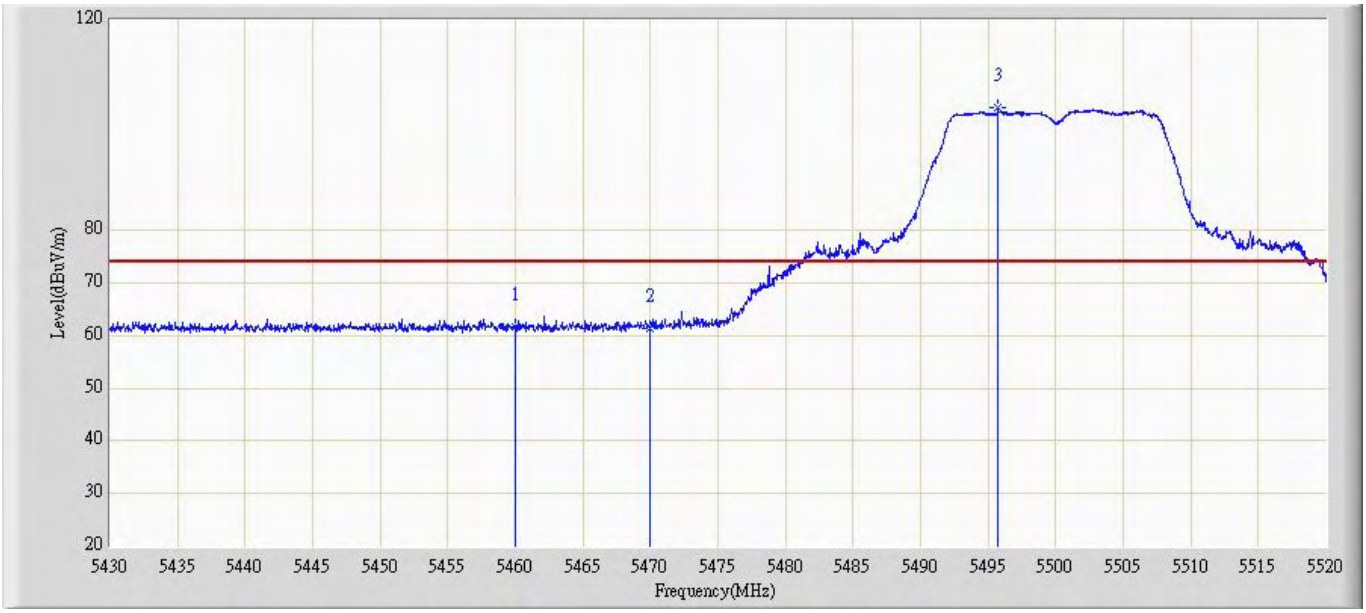
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5322.920	107.528	71.811	N/A	N/A	35.717	PK
2		5350.000	62.071	26.302	-11.929	74.000	35.769	PK

Profile: 109S008R	Page No.: 88
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain A)	



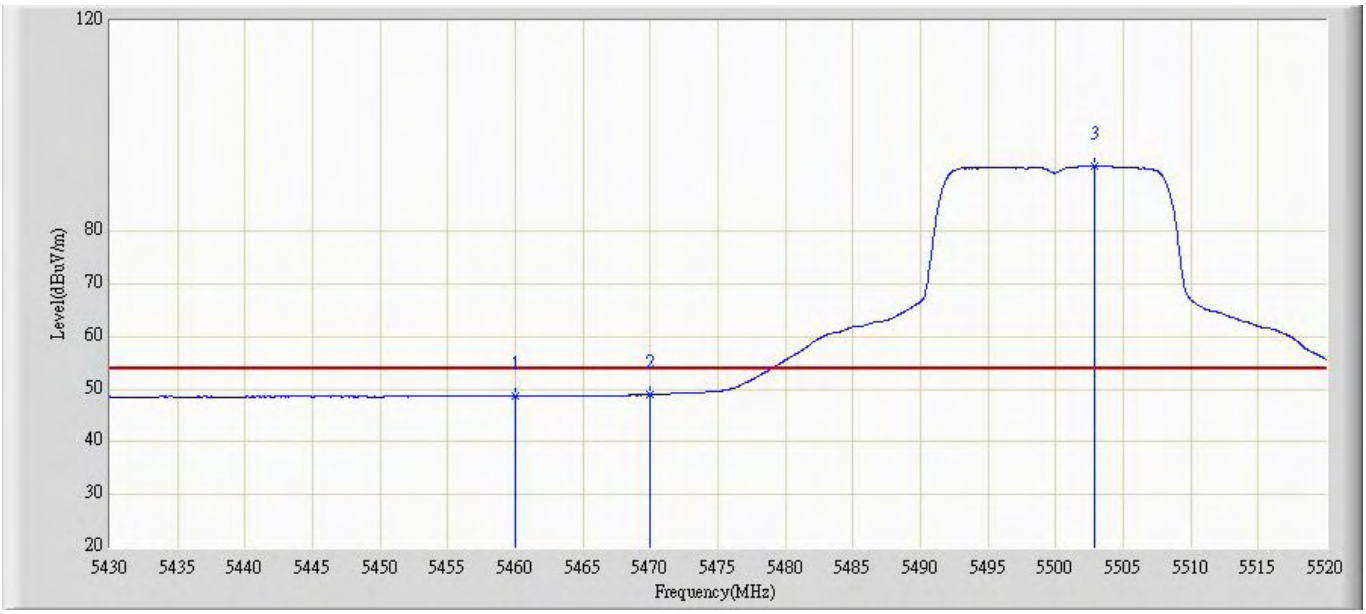
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5322.120	97.029	61.313	N/A	N/A	35.716	AV
2		5350.000	49.672	13.903	-4.328	54.000	35.769	AV

Profile: 109S008R	Page No.: 89
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain A)	



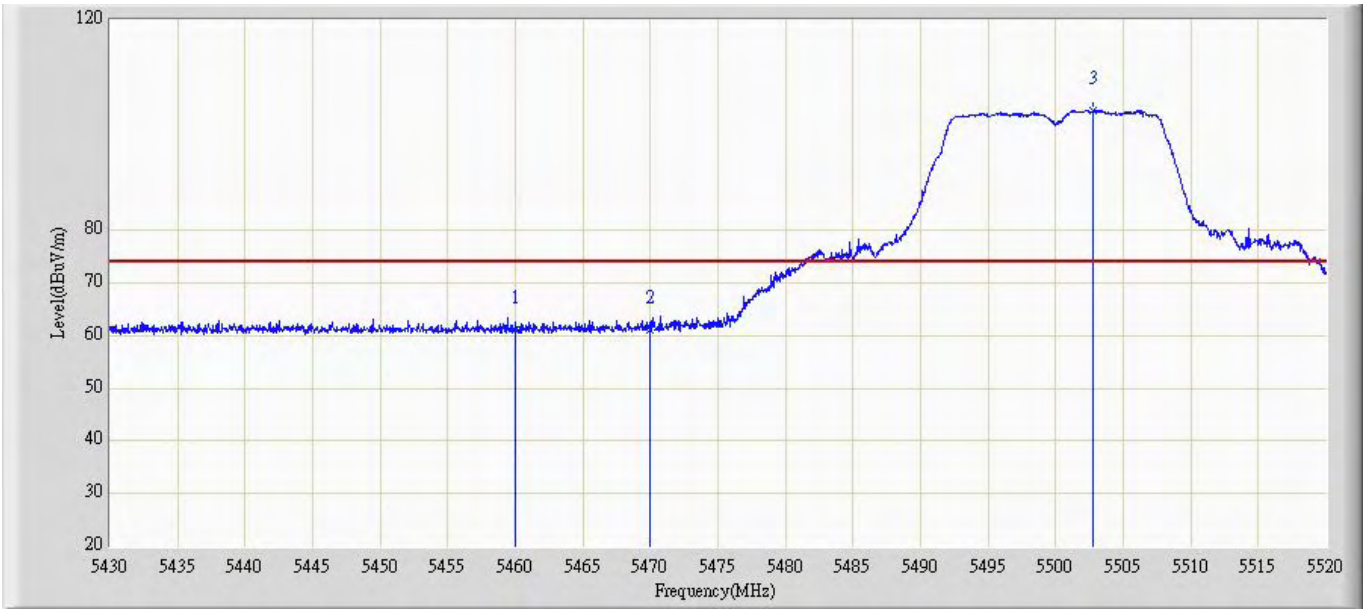
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	61.632	25.594	-12.368	74.000	36.038	PK
2		5470.000	61.297	25.247	-27.003	88.300	36.050	PK
3	*	5495.700	103.203	67.154	N/A	N/A	36.049	PK

Profile: 109S008R	Page No.: 90
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain A)	



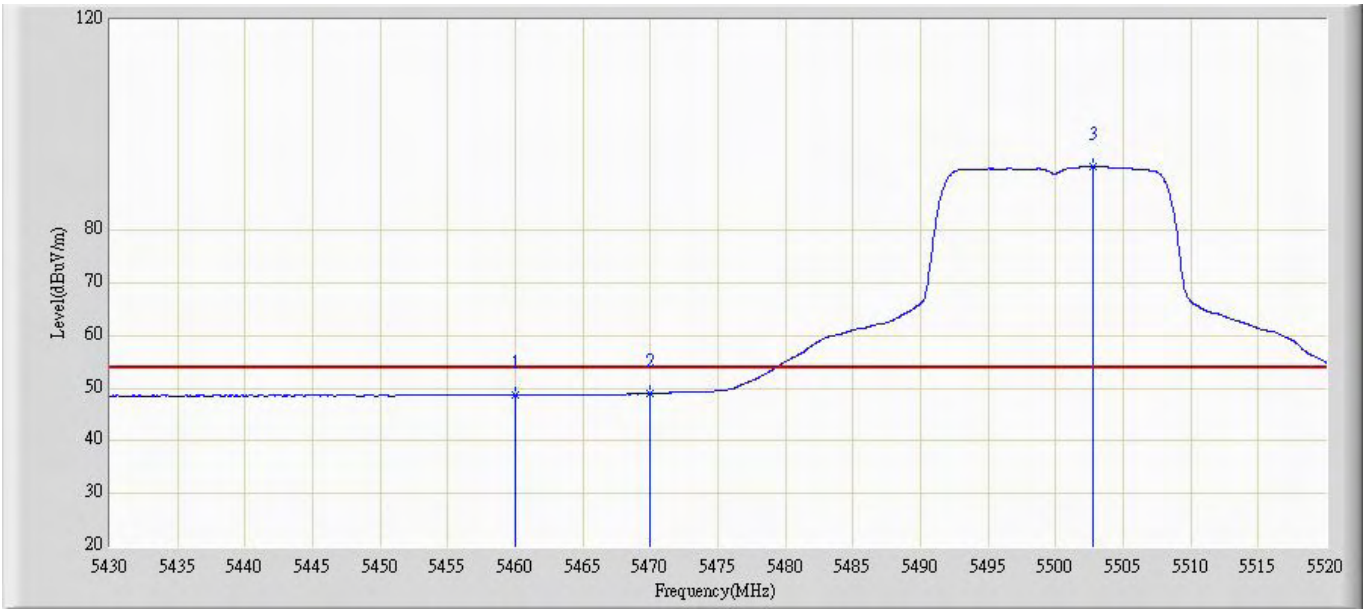
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	48.702	12.664	-5.298	54.000	36.038	AV
2		5470.000	49.000	12.950	-19.300	68.300	36.050	AV
3	*	5502.900	92.441	56.384	N/A	N/A	36.057	AV

Profile: 109S008R	Page No.: 91
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain A)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	61.228	25.190	-12.772	74.000	36.038	PK
2		5470.000	61.158	25.108	-27.142	88.300	36.050	PK
3	*	5502.720	102.779	66.722	N/A	N/A	36.056	PK

Profile: 109S008R	Page No.: 92
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain A)	

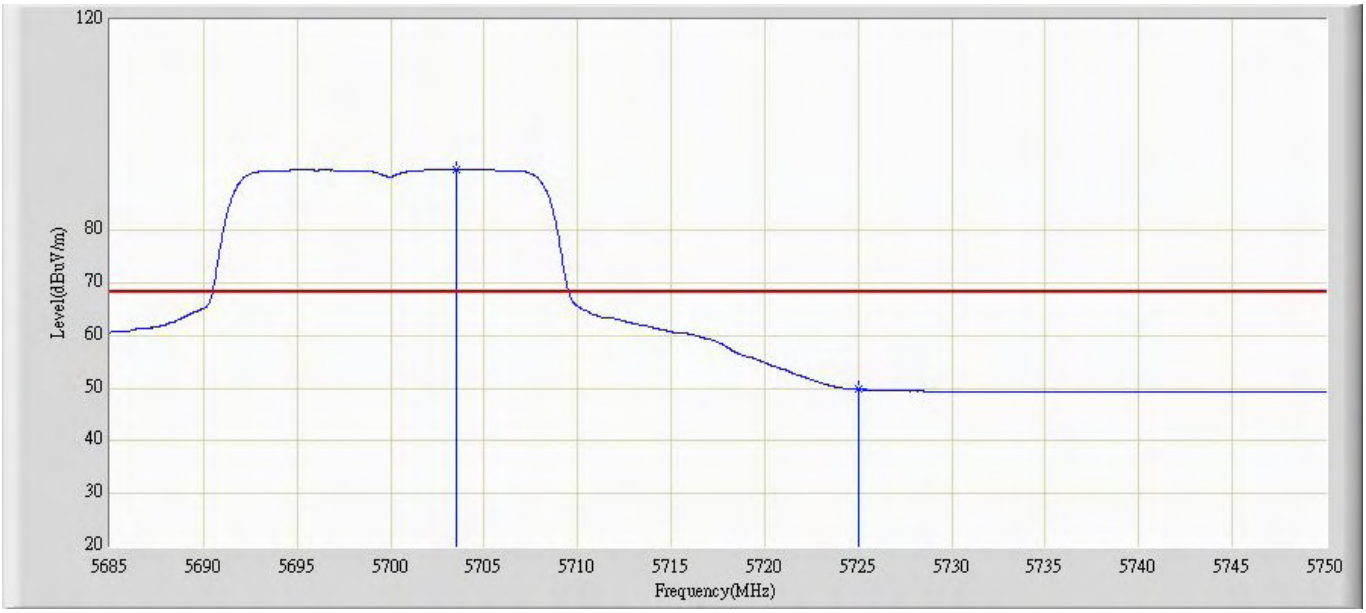


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	48.683	12.645	-5.317	54.000	36.038	AV
2		5470.000	48.978	12.928	-19.322	68.300	36.050	AV
3	*	5502.765	92.212	56.155	N/A	N/A	36.056	AV

Profile: 109S008R	Page No.: 93
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:44
Limit: FCC_PartE_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5700MHz By 802.11a (Chain A)	

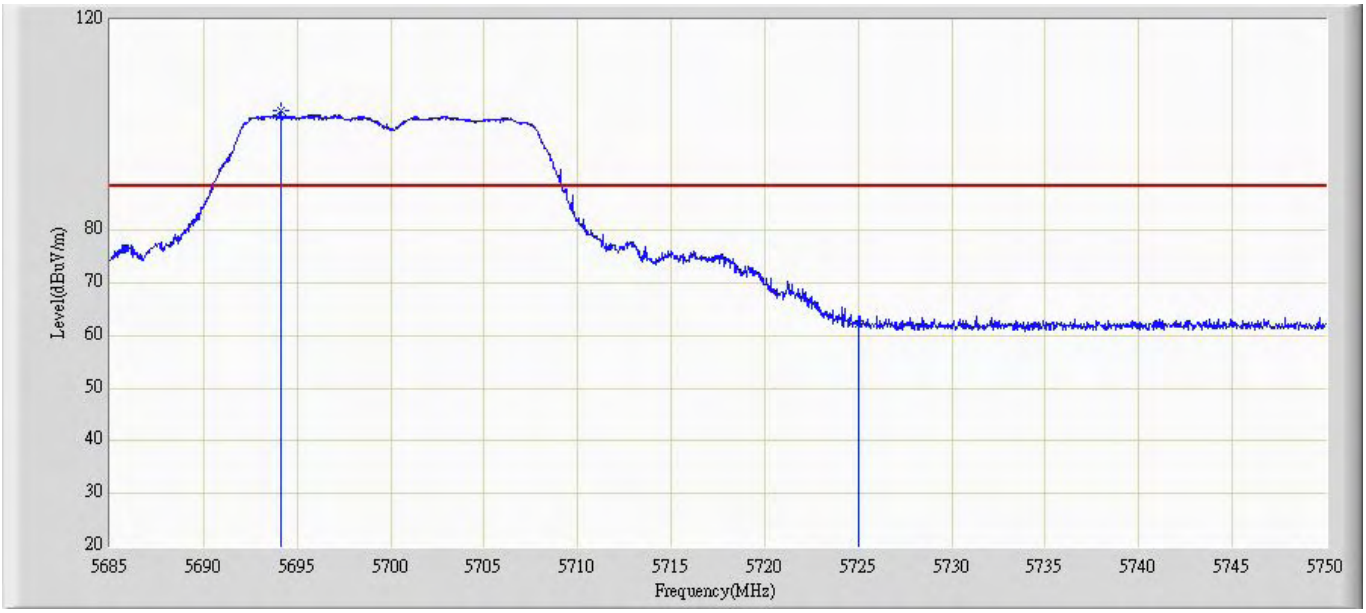
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5696.083	102.523	66.194	N/A	N/A	36.329	PK
2		5725.000	62.515	26.078	-25.785	88.300	36.437	PK

Profile: 109S008R	Page No.: 94
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:49
Limit: FCC_PartE_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5700MHz By 802.11a (Chain A)	



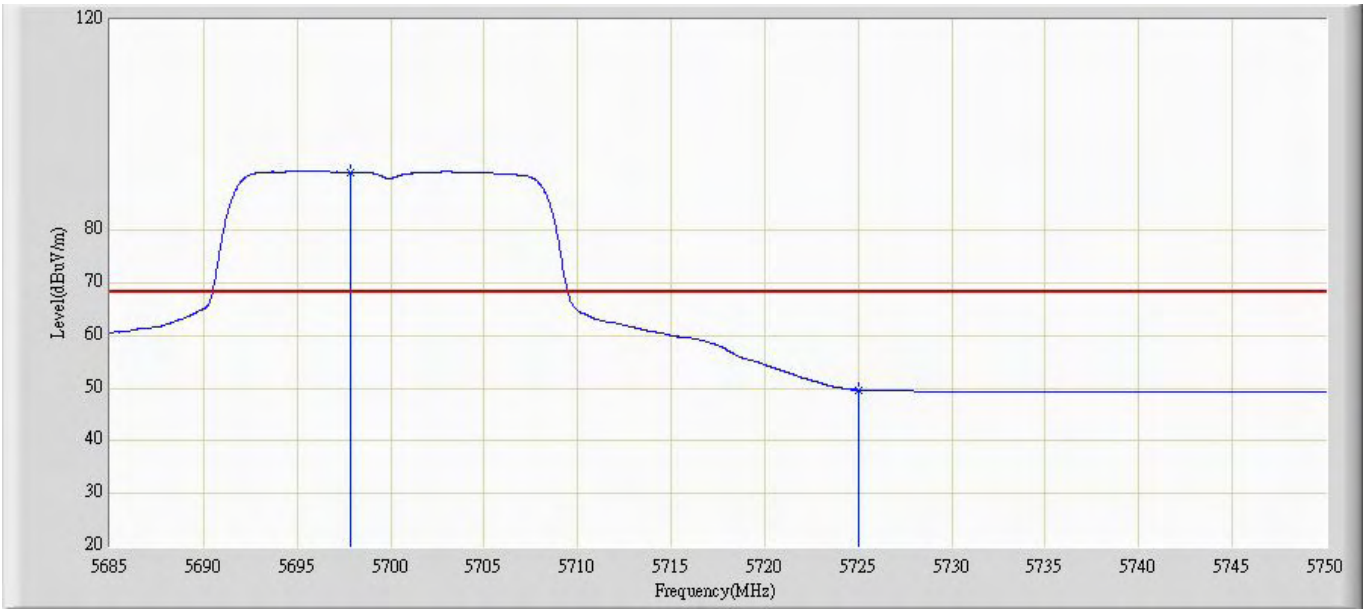
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5703.493	91.602	55.259	N/A	N/A	36.343	AV
2		5725.000	49.782	13.345	-18.518	68.300	36.437	AV

Profile: 109S008R	Page No.: 95
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:50
Limit: FCC_PartE_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5700MHz By 802.11a (Chain A)	



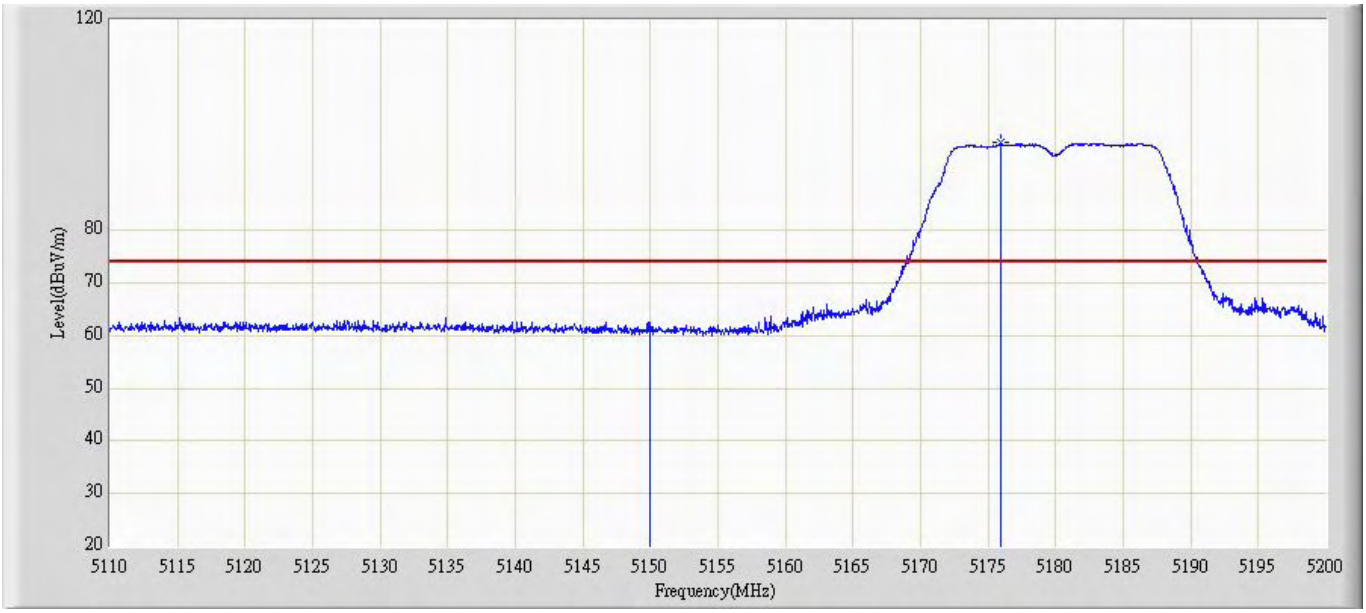
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5694.100	102.658	66.333	N/A	N/A	36.326	PK
2		5725.000	62.231	25.794	-26.069	88.300	36.437	PK

Profile: 109S008R	Page No.: 96
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:51
Limit: FCC_PartE_15.407_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5700MHz By 802.11a (Chain A)	



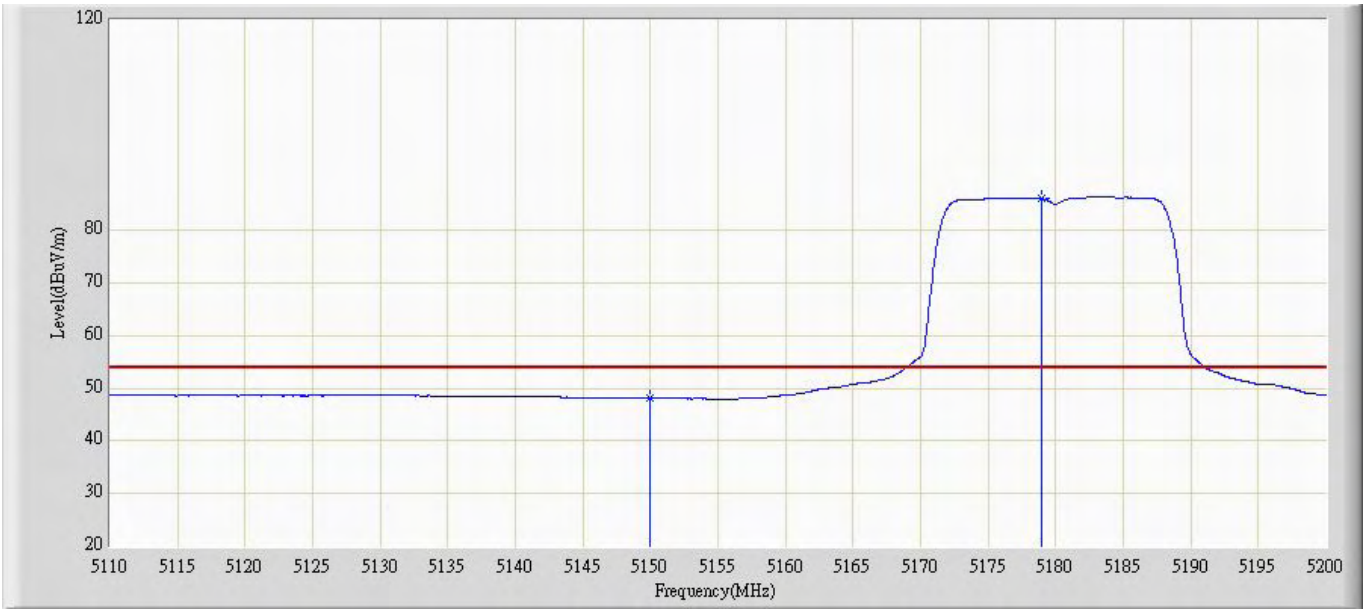
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5697.870	91.005	54.673	N/A	N/A	36.332	AV
2		5725.000	49.705	13.268	-18.595	68.300	36.437	AV

Profile: 109S008R	Page No.: 97
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain B)	



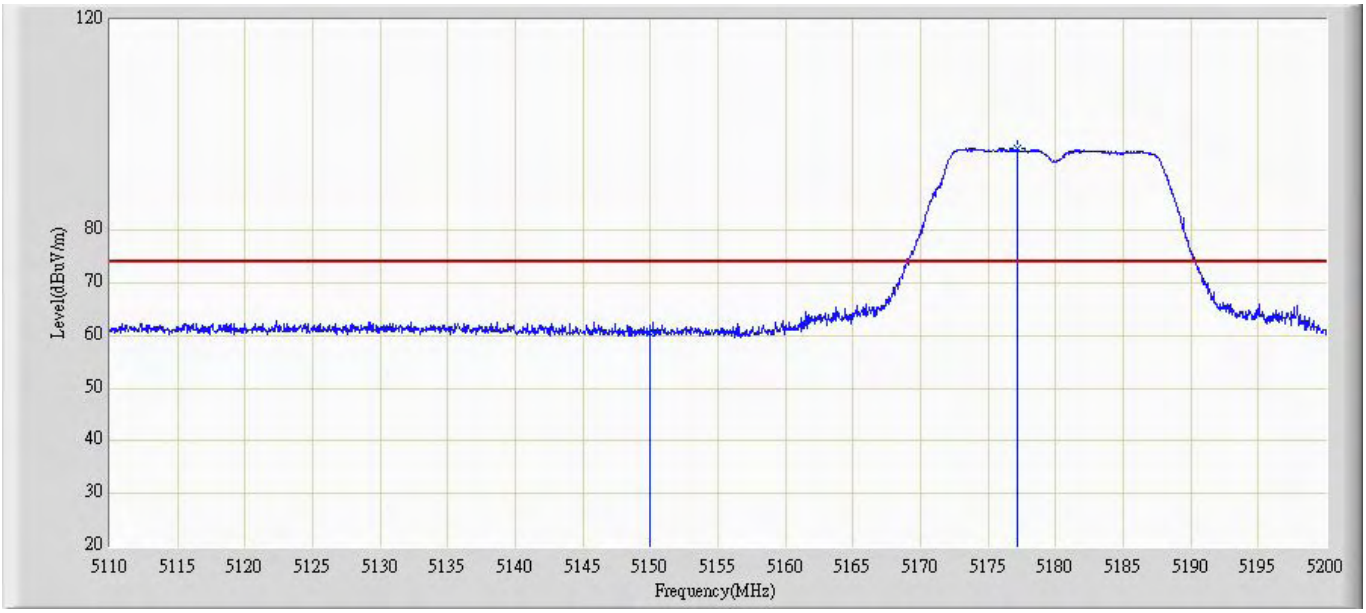
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.989	25.370	-13.011	74.000	35.619	PK
2	*	5175.925	96.811	61.648	N/A	N/A	35.163	PK

Profile: 109S008R	Page No.: 98
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain B)	



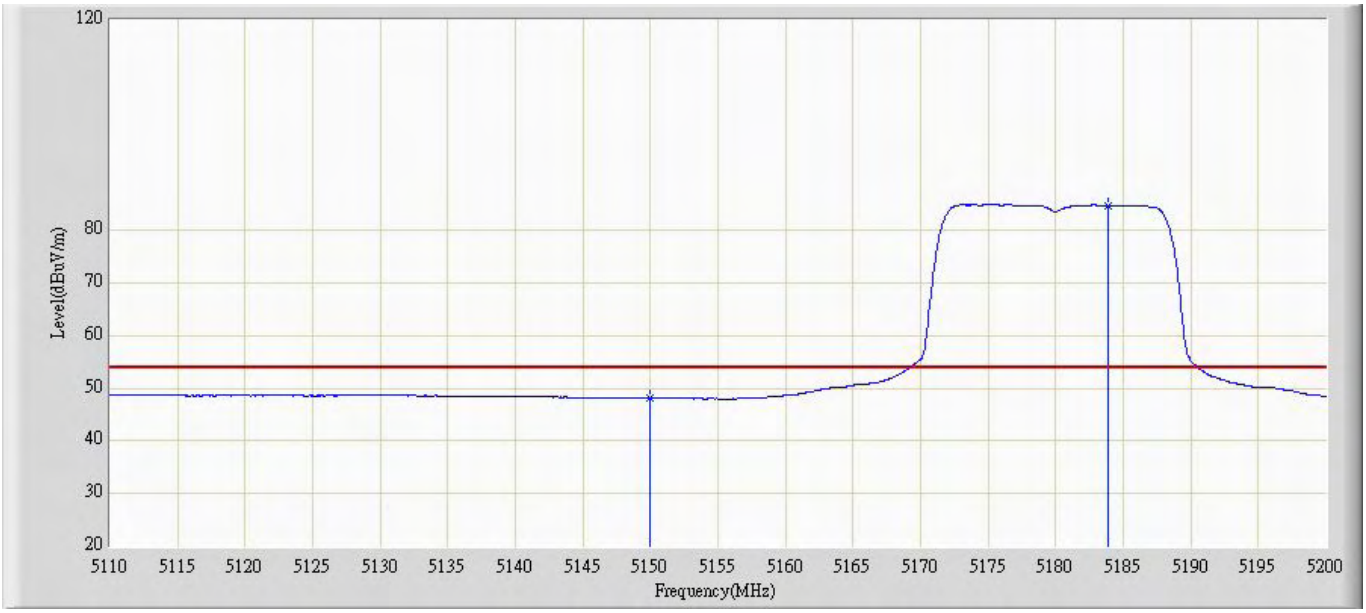
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.144	12.525	-5.856	54.000	35.619	AV
2	*	5178.985	86.018	50.892	N/A	N/A	35.126	AV

Profile: 109S008R	Page No.: 99
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 10:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain B)	



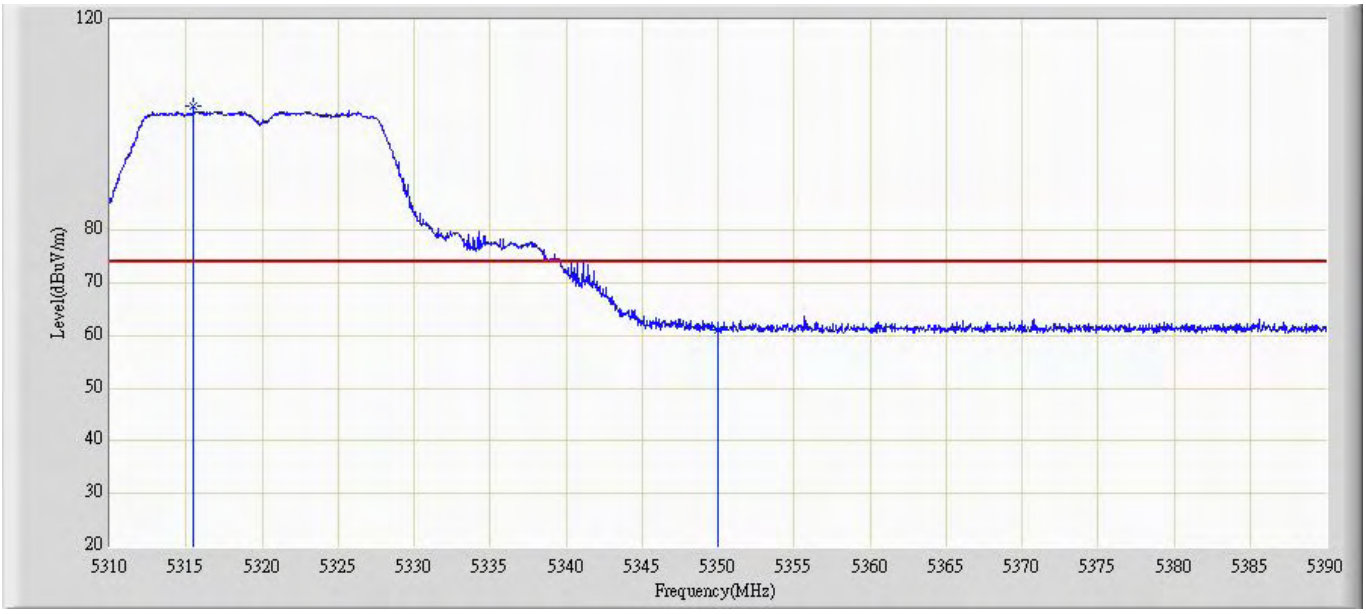
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.602	24.983	-13.398	74.000	35.619	PK
2	*	5177.140	95.447	60.298	N/A	N/A	35.149	PK

Profile: 109S008R	Page No.: 100
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz By 802.11a (Chain B)	



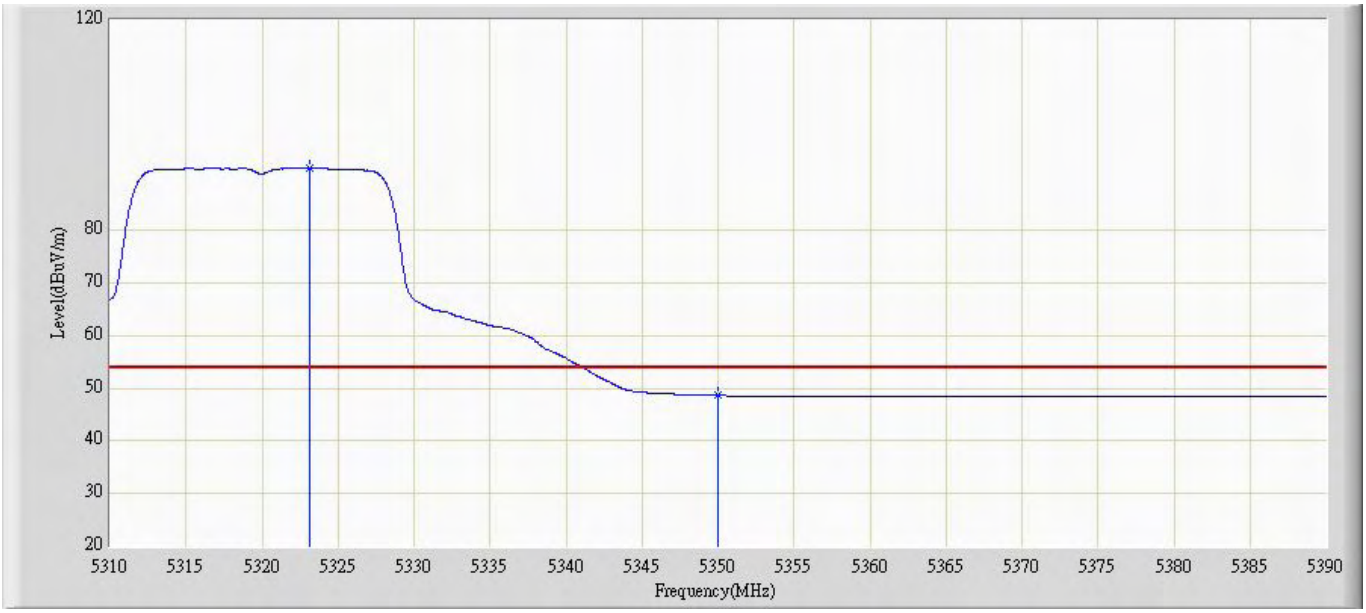
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.151	12.532	-5.849	54.000	35.619	AV
2	*	5183.890	84.765	49.642	N/A	N/A	35.123	AV

Profile: 109S008R	Page No.: 101
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain B)	



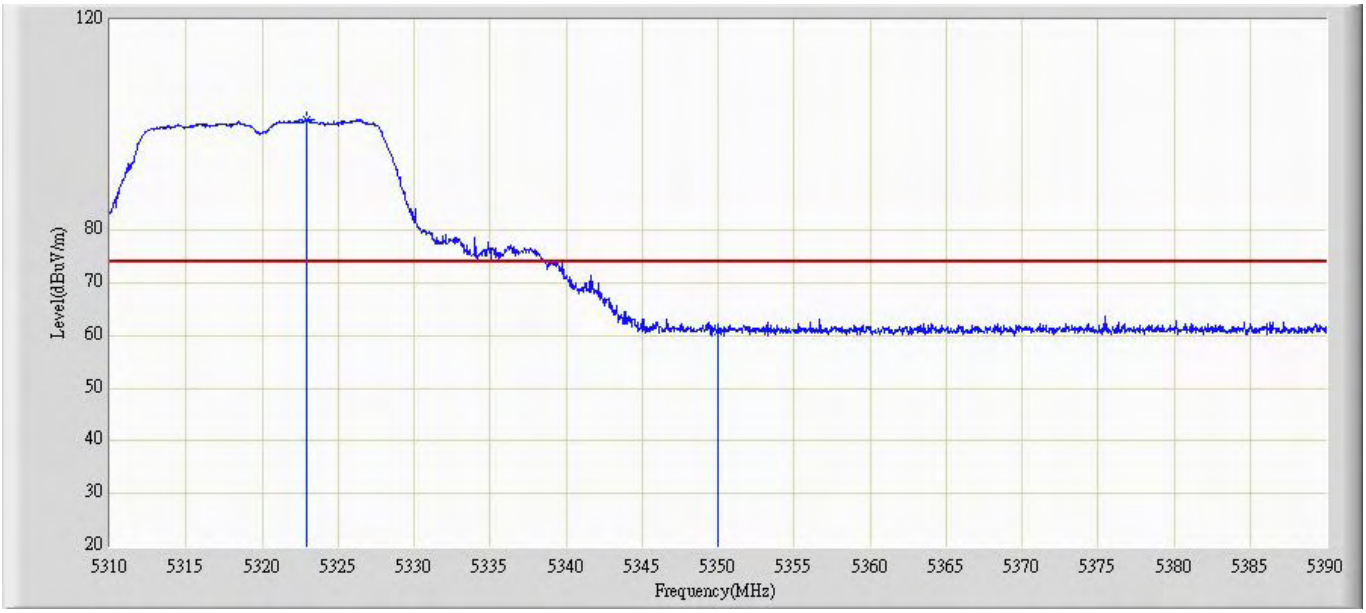
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5315.480	103.498	67.783	N/A	N/A	35.715	PK
2		5350.000	60.990	25.221	-13.010	74.000	35.769	PK

Profile: 109S008R	Page No.: 102
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain B)	



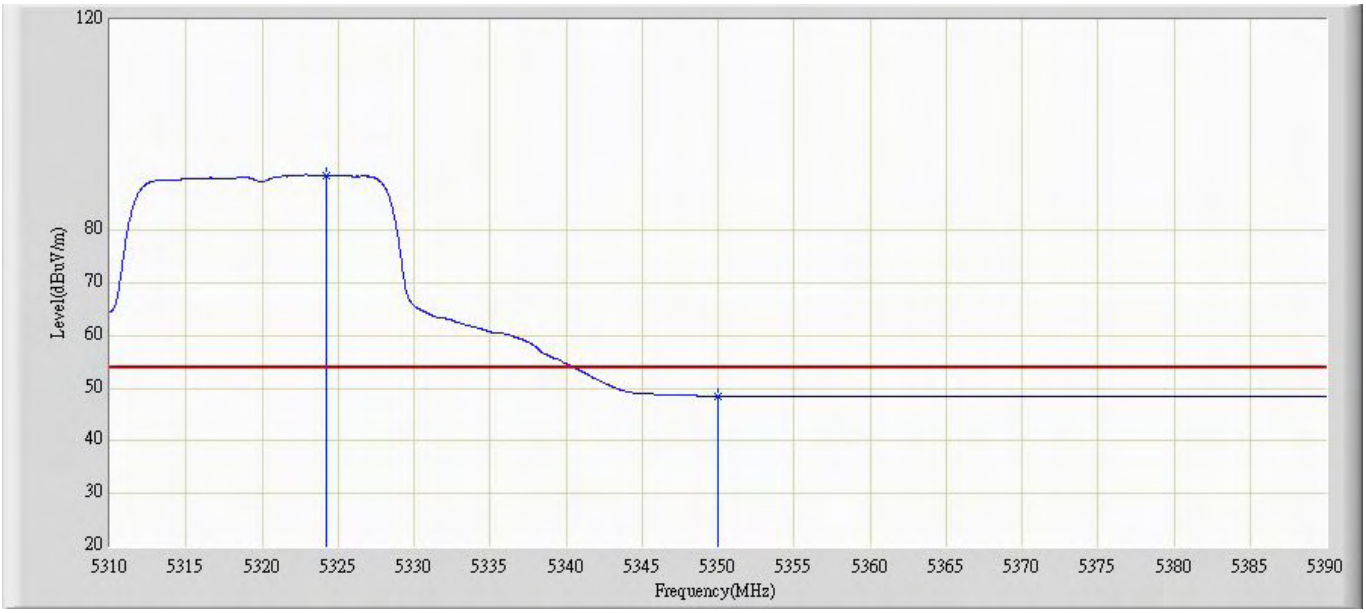
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5323.120	91.900	56.183	N/A	N/A	35.717	AV
2		5350.000	48.627	12.858	-5.373	54.000	35.769	AV

Profile: 109S008R	Page No.: 103
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain B)	



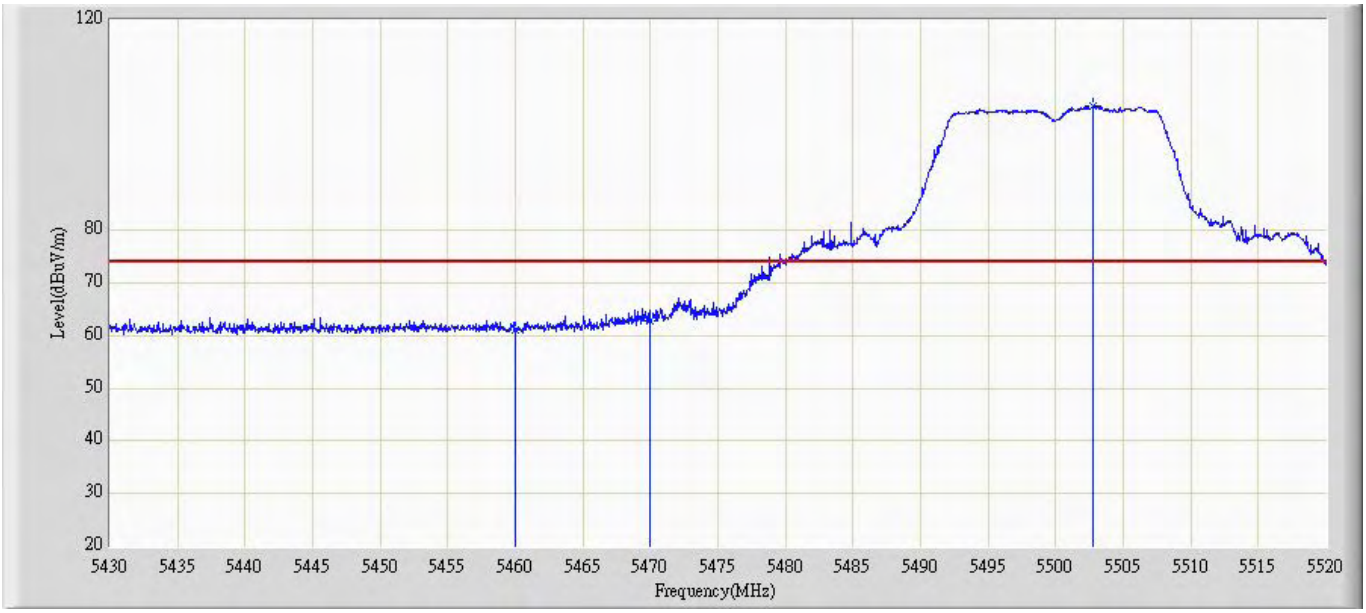
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5322.960	101.025	65.308	N/A	N/A	35.717	PK
2		5350.000	60.664	24.895	-13.336	74.000	35.769	PK

Profile: 109S008R	Page No.: 104
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Vertical
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5320MHz By 802.11a (Chain B)	



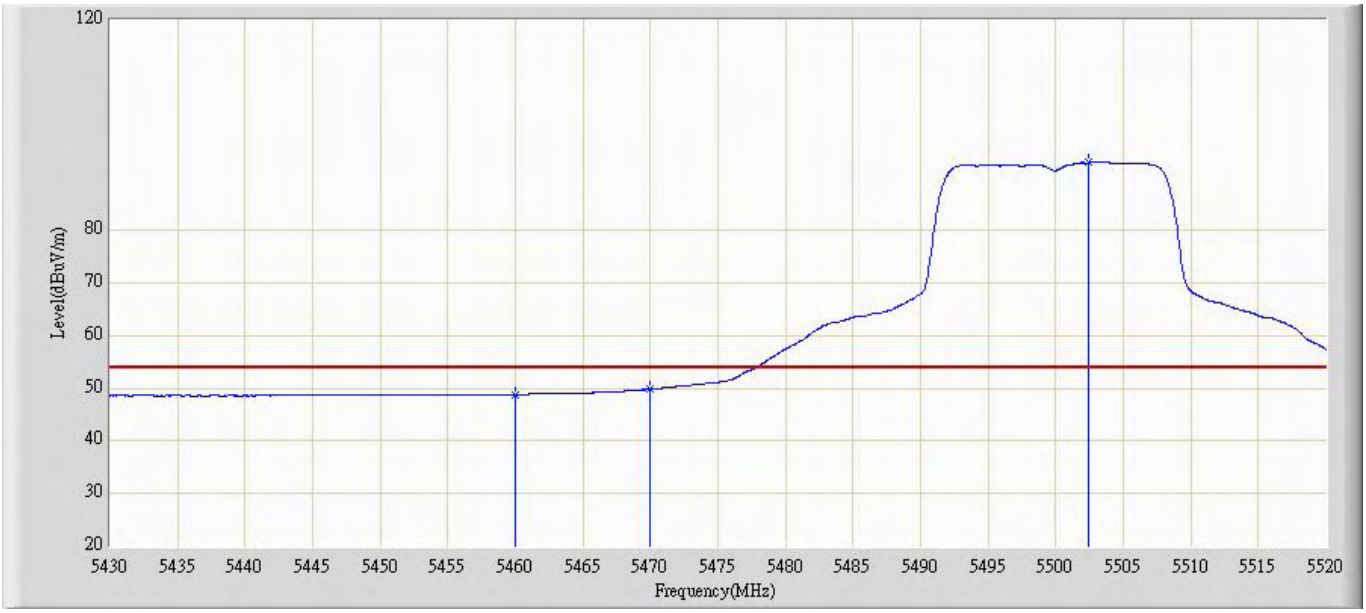
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5324.240	90.421	54.703	N/A	N/A	35.719	AV
2		5350.000	48.497	12.728	-5.503	54.000	35.769	AV

Profile: 109S008R	Page No.: 105
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain B)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	61.001	24.963	-12.999	74.000	36.038	PK
2		5470.000	62.813	26.763	-25.487	88.300	36.050	PK
3	*	5502.765	103.549	67.492	N/A	N/A	36.056	PK

Profile: 109S008R	Page No.: 106
Engineer: Jame	
Site: AC5	Time: 2010/09/13 - 11:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-499(1-18GHz)	Polarity: Horizontal
EUT: Eee PC	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5500MHz By 802.11a (Chain B)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5460.000	48.852	12.814	-5.148	54.000	36.038	AV
2		5470.000	49.841	13.791	-18.459	68.300	36.050	AV
3	*	5502.405	92.849	56.793	N/A	N/A	36.056	AV