

Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 1 of 69

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT

OF

Product Name: Pocket PC Phone

Brand Name: HTC

Model Name: HERO200

Model Difference: N/A

FCC ID: NM8HERO200

Report No.: EH/2009/50029

Issue Date: Jun. 16, 2009

FCC Rule Part: §15.247, Cat: DTS

Prepared for: HTC Corporation

No. 23 Xinghua Rd., Taoyuan City, Taoyuan

County 330, Taiwan, ROC

Prepared by: SGS Taiwan Ltd.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 2 of 69

VERIFICATION OF COMPLIANCE

HTC Corporation **Applicant:**

No. 23 Xinghua Rd., Taoyuan City, Taoyuan County 330, Taiwan,

ROC

Pocket PC Phone **Equipment Under Test:**

Brand Name: HTC

Model No.: HERO200

Model Difference: N/A

FCC ID: NM8HERO200 File Number: EH/2009/50029

Date of test: May. 22, 2009 ~ Jun. 10, 2009

Date of EUT Received: May. 22, 2009

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.247.

The test results of this report relate only to the tested sample identified in this report.

Test By:	Jason Whe	Date	Jun. 16, 2009	
_	Jason Wu/Asst. Supervisor			
Prepared By:	Gigi yeh	Date	Jun. 16, 2009	
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 3 of 69

Version

Version No.	Date	Description
00	Jun. 16, 2009	Initial creation of document

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 4 of 69

Table of Contents

1.	GEN	ERAL INFORMATION	6
	1.1.	Related Submittal(s) / Grant (s)	8
	1.2.	Test Methodology	8
	1.3.	Test Facility	8
	1.4.	Special Accessories	8
	1.5.	Equipment Modifications	8
2.	SYST	TEM TEST CONFIGURATION	9
	2.1.	EUT Configuration	
	2.2.	EUT Exercise	9
	2.3.	Test Procedure	9
	2.4.	Configuration of Tested System	10
3.	SUM	MARY OF TEST RESULTS	1
4.	DES	CRIPTION OF TEST MODES	11
5.		DUCTED EMISSION TEST	
	5.1.	Standard Applicable	
	5.2.	EUT Setup	12
	5.3.	Measurement Procedure	12
	5.4.	Measurement Equipment Used:	13
	5.5.	Measurement Result	13
6.	PEA:	K OUTPUT POWER MEASUREMENT	14
	6.1.	Standard Applicable	
	6.2.	Measurement Procedure	17
	6.3.	Measurement Equipment Used:	17
	6.4.	Measurement Result	18
7.	6dB]	Bandwidth	23
	7.1.	Standard Applicable	
	7.2.	Measurement Procedure	23
	7.3.	Measurement Equipment Used:	23
	7.4.	Measurement Result	24
8.	100K	Hz BANDWIDTH OF BAND EDGES MEASUREMENT	29
	8.1.	Standard Applicable	
	8.2.	Measurement Procedure	29
	8.3.	Measurement Equipment Used:	29
	8.4.	Measurement Result	29

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 5 of 69

9.	SPUR	RIOUS RADIATED EMISSION TEST	36
	9.1.	Standard Applicable	36
	9.2.	EUT Setup	36
	9.3.	Measurement Procedure	36
	9.4.	Test SET-UP (Block Diagram of Configuration)	37
	9.5.	Measurement Equipment Used:	38
	9.6.	Field Strength Calculation	38
	9.7.	Measurement Result	38
10.	Peak	Power Spectral Density	63
	10.1.		
	10.2.	Measurement Procedure	63
	10.3.	Measurement Equipment Used:	63
	10.4.	Measurement Result	62
11.	ANTI	ENNA REQUIREMENT	69
	11.1.	Standard Applicable	69
	11.2.	Antenna Connected Construction	69
AP	PEND	IX 1 PHOTOGRPHS OF SET UP	70
AP	PEND	IX 2 PHOTOGRPHS OF EUT	7 3

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 6 of 69

GENERAL INFORMATION

General:

Product Name	Pocket PC Phone		
Brand Name	HTC		
Model Name	HERO200		
Model Difference	N/A		
Data Cable (USB)	 Model No.:DC U200, P/N: 73H00296-10M, Supplier: MEC Model No.:DC U200, P/N: 73H00296-22M, Supplier: Foxlink 		
Micro SD card	Model No,: N/A, P/N: 54H20073-00M, Supplier: Sandisk		
	3.7 Vdc re-chargeable battery or 5Vdc by AC/DC power adapter		
Power Supply	Battery:	 Model:RHOD160, P/N: 35H00123-00M, Supplier: HT Energy Model:RHOD160, P/N: 35H00123-02M, Supplier: Formosa 	
	Adapter:	 Model No.: TC P300A, P/N: 79H00082-11M, Supplier: Foxlink Model No.: TC P300A, P/N: 79H00078-20M, Supplier: Delta 	

CDMA 2000:

CDMA 2000:	Operating Frequency		Rated Power
Cellular Phone Standards	CDMA 2000 Cellular / EVDO Cellular	824.7MHz – 848.31MHz	24 dBm
Frequency Range and Power	CDMA 2000 PCS / EVDO PCS	1851.25MHz- 1908.75MHz	24 dBm
Hardware Version:	N/A		
Software Version:	N/A		
MEID Manuf. Code	A1000007		

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 7 of 69

W	[.A]	N	•

Frequency Range:	2412 – 2462 MHz
Channel number:	11 channels
Max. Output Power:	802.11 b: 19.16 dBm (Peak) 802.11 g: 14.10dBm (Peak)
Modulation Technology:	DSSS, OFDM
Modulation type:	CCK, DQPSK, DBPSK for DSSS 64QAM. 16QAM, QPSK, BPSK for OFDM
Transition Rate:	802.11 b: 1/2/5.5/11 Mbps; 802.11 g: 6/9/12/18/24/36/48/54 Mbps
Antenna Designation:	PIFA Antenna / 1dBi.
Type of Emission	16M4M4D

The EUT is compliance with IEEE 802.11 b/g Standard.

Bluetooth:

Bluetooth Ver.sion	 □ V1.1 (GFSK) □ V1.2 (GFSK) □ V2.0 (GFSK) □ V2.0 + EDR (GFSK + /4DQPSK + 8DPSK) □ V2.1 + EDR (GFSK + /4DQPSK + 8DPSK)
Frequency Range	2402 – 2480MHz
Channel number	79 channels max.
Rated Power	1.76 dBm (Peak)
Modulation type	Frequency Hopping Spread Spectrum
Antenna Designation	PIFA Antenna / 1dBi.
Type of Emission	1M42F7D

The EUT is compliance with Bluetooth 2.0 Standard.

This test report applies for 802.11b/g WLAN.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 8 of 69

1.1. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **NM8HERO200** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules. The composite system (digital device) is compliance with Subpart B is authorized under a Doc procedure.

1.2. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.3. Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-1

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 &10 meters) and FCC Registration Number: 94644.

1.4. Special Accessories

Not available for this EUT intended for grant.

1.5. Equipment Modifications

Not available for this EUT intended for grant.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 9 of 69

SYSTEM TEST CONFIGURATION

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

2.3. Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and Average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna. according to the requirements in Section 8 and 13 and Subclause 8.3.1.2 of ANSI C63.4-2003.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 10 of 69

2.4. Configuration of Tested System

Fig. 2-1 AC Power line and Radiated Emission Configuration

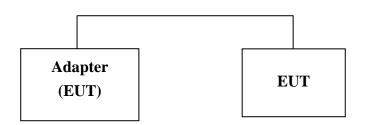


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	WiFi Software	N/A	WLAN eMapi	N/A	N/A	N/A
2.	AC Adaptor	Foxlink	TC P300	79H00082-11M	N/A	180cm, Un-shielded
3.	AC Adaptor	Delta	TC P300	79H00078-20M	N/A	180cm, Un-shielded

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 11 of 69

SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207(a)	AC Power Line Conducted Emission	Compliant
§15.247(b) (3),(4)(c)	Peak Output Power	Compliant
§15.247(a)(2)	6dB Bandwidth	Compliant
	100 KHz Bandwidth Of	
§15.247(d)	Frequency Band Edges	Compliant
§15.247(d)	Spurious Emission	Compliant
§15.247(e)	Peak Power Density	Compliant
§15.203	Antenna Requirement	Compliant

DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

802.11 b mode: Channel low (2412MHz) · mid (2437MHz) and high (2462MHz) with 1Mbps data rate are chosen for full testing.

802.11 g mode: Channel low (2412MHz) · mid (2437MHz) and high (2462MHz) with 6Mbps data rate are chosen for full testing.

The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for 802.11b/g WLAN Transmitter for channel Low, Mid and High, the worst case H position was reported.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 12 of 69

CONDUCTED EMISSION TEST

5.1. Standard Applicable

According to §15.207. frequency within 150KHz to 30MHz shall not exceed the Limit table as below.

Frequency range		mits (uV)
MHz	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Note

5.2. EUT Setup

- 1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.4-2003.
- 2. The AC/DC Power adaptor of EUT was plug-in LISN. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
- 3. The LISN was connected with 120Vac/60Hz power source.

5.3. Measurement Procedure

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- **3.** Repeat above procedures until all frequency measured were complete.

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^{1.} The lower limit shall apply at the transition frequencies

^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.



Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 13 of 69

5.4. Measurement Equipment Used:

Conducted Emission Test Site							
EQUIPMENT	T MFR MODEL SERIAL			LAST	CAL DUE.		
TYPE		NUMBER	NUMBER	CAL.			
EMI Test Receiver	R&S	ESCS30	828985/004	09/15/2008	09/14/2009		
LISN	Rolf-Heine	NNB-2/16Z	99012	02/18/2009	02/17/2010		
LISN	FCC	FCC-LISN-50/250-25-2-01	04034	02/18/2009	02/17/2010		
Coaxial Cables	N/A	WK CE Cable	N/A	10/30/2008	10/29/2009		

5.5. Measurement Result

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

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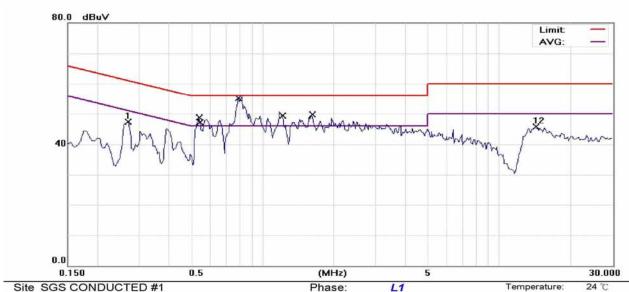


Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 14 of 69

AC POWER LINE CONDUCTED EMISSION TEST DATA

Operation Mode:	WLAN +BT Link		Test Date:	Jun. 04, 2009	
Temperature:	24 °C	Humidity:	60 %	Test By:	Jason



Power:

Distance:

AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: CISPR22/11/EN55022 Class B

EUT: Pocket PC Phone M/N: HERO200

Note: WLAN & BT Normal Link//1'st Adapter

Limit	Over			
dBull	dD	Detector	Comment	

Humidity: Air Pressure:

hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2700	47.29	0.11	47.40	61.12	-13.72	peak	
2		0.5429	49.32	0.07	49.39	56.00	-6.61	QP	
3		0.5429	36.15	0.07	36.22	46.00	-9.78	AVG	
4		0.5480	44.70	0.07	44.77	56.00	-11.23	QP	
5		0.5480	32.49	0.07	32.56	46.00	-13.44	AVG	
6	*	0.7996	51.98	0.08	52.06	56.00	-3.94	QP	
7		0.7996	40.74	0.08	40.82	46.00	-5.18	AVG	
8		1.2174	44.37	0.10	44.47	56.00	-11.53	QP	
9		1.2174	32.26	0.10	32.36	46.00	-13.64	AVG	
10		1.6276	42.87	0.12	42.99	56.00	-13.01	QP	
11		1.6276	31.89	0.12	32.01	46.00	-13.99	AVG	
12		14.2600	45.39	0.40	45.79	60.00	-14.21	peak	

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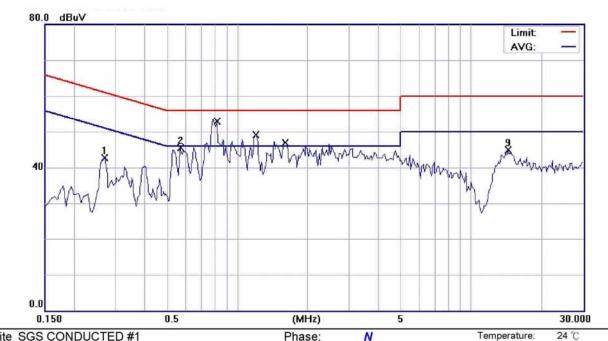
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 15 of 69



Power:

Distance:

AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: CISPR22/11/EN55022 Class B

EUT: Pocket PC Phone

M/N: HERO200

Note: WLAN & BT Normal Link//1'st Adapter

_imit	Over			
dBu\/	4B	Detector	Comment	

Humidity:

Air Pressure:

hpa

No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2700	42.53	0.13	42.66	61.12	-18.46	peak	
2		0.5700	45.48	0.10	45.58	56.00	-10.42	peak	
3	*	0.8137	48.86	0.11	48.97	56.00	-7.03	QP	
4		0.8137	34.46	0.11	34.57	46.00	-11.43	AVG	
5		1.1860	44.72	0.13	44.85	56.00	-11.15	QP	
6		1.1860	31.65	0.13	31.78	46.00	-14.22	AVG	
7		1.5965	44.87	0.14	45.01	56.00	-10.99	QP	
8		1.5965	31.33	0.14	31.47	46.00	-14.53	AVG	
9		14.4400	44.56	0.42	44.98	60.00	-15.02	peak	

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 16 of 69

6. PEAK OUTPUT POWER MEASUREMENT

6.1. Standard Applicable

According to $\S15.247(a)(2)$, (b)

- (3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and
- 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
- (4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (c) Operation with directional antenna gains greater than 6 dBi.
- (1) Fixed point-to-point operation:
- (i) Systems operating in the 2400-2483.5 MHz band that are used exclusively for

fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

(ii) Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted output power.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 17 of 69

6.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter or spectrum. (Channel power function, RBW= 1MHz, VBW = 1MHz, Bandwidth=26dB occupied Bandwidth)
- 3. Record the max. reading.
- 4. Repeat above procedures until all frequency measured were complete.

6.3. Measurement Equipment Used:

	Conducted Emission Test Site							
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.			
TYPE		NUMBER	NUMBER	CAL.				
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010			
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2008	07/03/2009			
Spectrum Analyzer	R&S	FSP 40	100034	02/22/2009	02/21/2010			
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	01/05/2009	01/04/2010			
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2008	07/04/2009			

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 18 of 69

6.4. Measurement Result

802.11b

		Peak Power Output					
СН	Frequency		Data	Required			
Сп	(MHz)	1	2	5.5	11	Limit 30 dBm	
1	2412	19.16	19.14	19.12	19.10	30 dBm	
6	2437	19.10	19.09	19.07	19.05	30 dBm	
11	2462	19.12	19.10	19.07	19.04	30 dBm	

802.11g

	Peak Power Output									
CII	Frequency	Data Rate					Required			
СН	(MHz)	6	9	12	18	24	36	48	54	Limit
1	2412	14.10	14.06	14.02	13.96	13.91	13.87	13.80	13.75	30 dBm
6	2437	14.01	13.98	13.94	13.89	13.84	13.79	13.75	13.70	30 dBm
11	2462	14.07	14.05	14.01	13.97	13.93	13.86	13.81	13.76	30 dBm

Cable loss = 0

*Note: Offset 0.5dB

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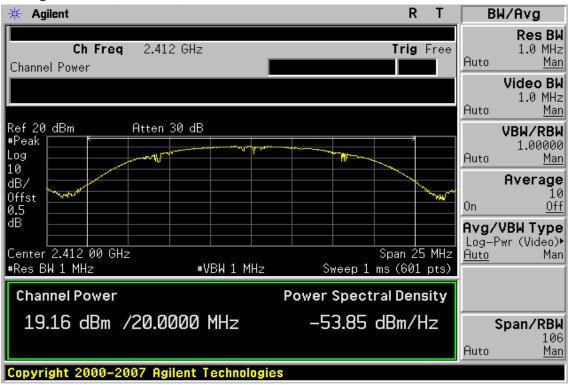


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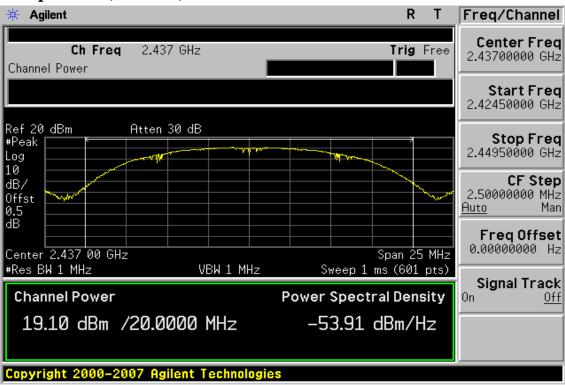
Page: 19 of 69

802.11b, 1Mbps

Power Output Plot (CH Low)



Power Output Plot (CH Mid)



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 20 of 69

Power Output Plot (CH High)



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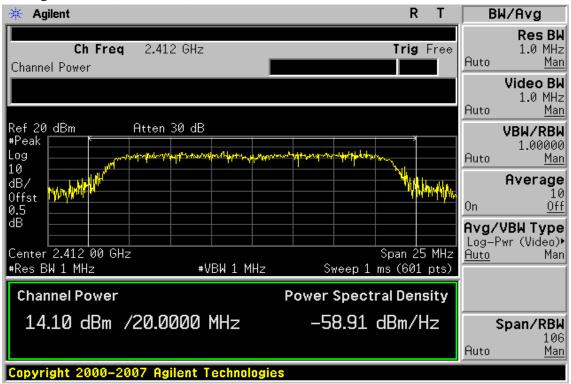


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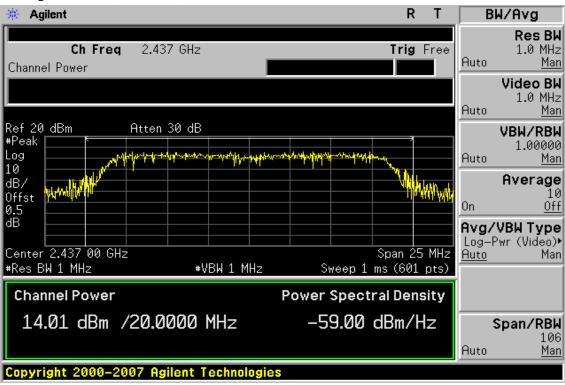
Page: 21 of 69

802.11g, 6Mbps

Power Output Plot (CH Low)



Power Output Plot (CH Mid)



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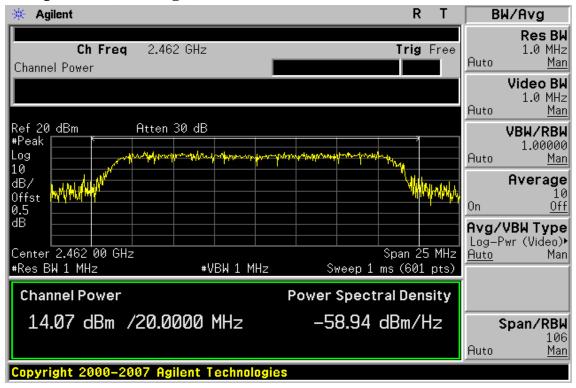
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 22 of 69

Power Output Plot (CH High)



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 23 of 69

7. 6dB Bandwidth

7.1. Standard Applicable

According to §15.247(a)(2), Systems using digital modulation techniques may operate in the 902 - 928 MHz,2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500kHz.

7.2. Measurement Procedure

- 1.Place the EUT on the table and set it in transmitting mode.
- 2.Remove the antenna from the EUT and then connect a low loss RF cable from the 3.antenna port to the spectrum analyzer.
- 3.Set the spectrum analyzer as RBW=100KHz, VBW =3* RBW, Span= 50MHz, Sweep=auto
- 4. Mark the peak frequency and –6dB (upper and lower) frequency.
- 5. Repeat above procedures until all frequency measured were complete.

7.3. Measurement Equipment Used:

Conducted Emission Test Site							
EQUIPMENT MFR MODEL SERIAL				LAST	CAL DUE.		
ТҮРЕ		NUMBER	NUMBER	CAL.			
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010		
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2008	07/03/2009		
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	01/05/2008	01/04/2009		
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2008	07/04/2009		

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 24 of 69

7.4. Measurement Result

802.11b

СН	Bandwidth (MHz)	Bandwidth (KHz)	Result
Lower	10.115	> 500	PASS
Mid	10.177	> 500	PASS
Higher	10.147	> 500	PASS

^{*}Offset 0.1dB

802.11g

СН	Bandwidth (MHz)	Bandwidth (KHz)	Result
Lower	16.419	> 500	PASS
Mid	16.415	> 500	PASS
Higher	16.417	> 500	PASS

^{*}Offset 0.5dB

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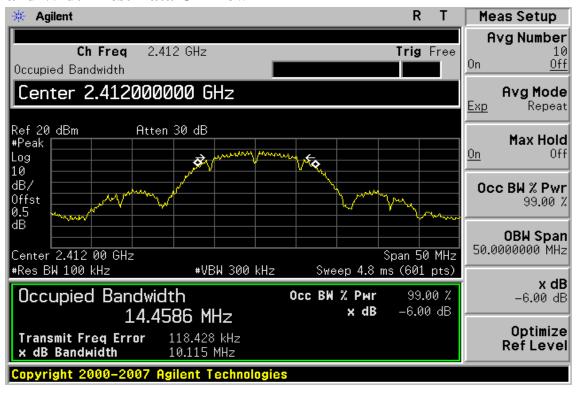


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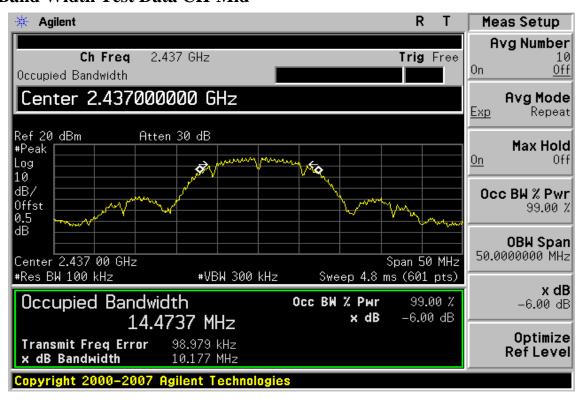
Page: 25 of 69

802.11b

6dB Band Width Test Data CH-Low



6dB Band Width Test Data CH-Mid



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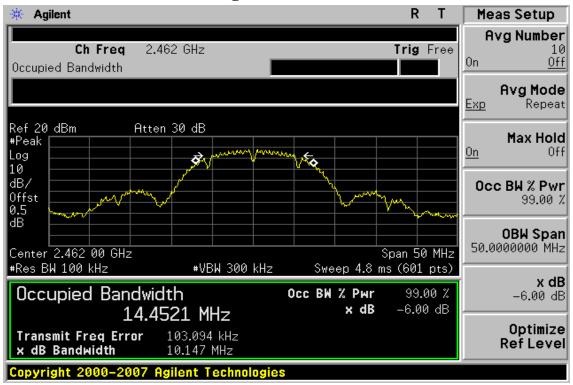
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 26 of 69

6dB Band Width Test Data CH-High



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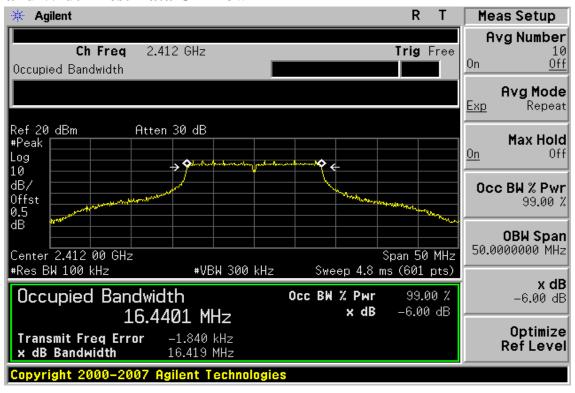


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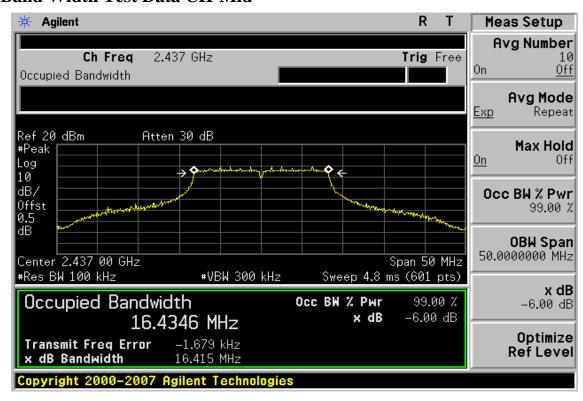
Page: 27 of 69

802.11g

6dB Band Width Test Data CH-Low



6dB Band Width Test Data CH-Mid



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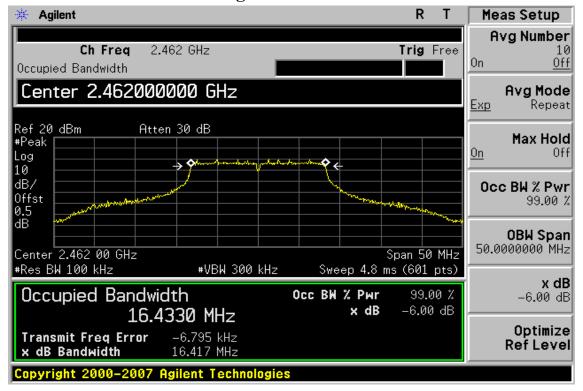
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Page: 28 of 69

6dB Band Width Test Data CH-High



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Report No.: EH/2009/50029 **Issue Date: Jun. 16, 2009**

Page: 29 of 69

100KHz BANDWIDTH OF BAND EDGES MEASUREMENT

8.1. Standard Applicable

According to §15.247(c), in any 100 KHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100KHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

8.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set center frequency of spectrum analyzer = operating frequency.
- 4. Set the spectrum analyzer as RBW, VBW=100KHz, Span=50MHz, Sweep = auto
- 5. Mark Peak, 2.390GHz and 2.4835GHz and record the max. level.
- 6. Repeat above procedures until all frequency measured were complete.

8.3. Measurement Equipment Used:

Conducted Emission Test Site											
EQUIPMENT	UIPMENT MFR		SERIAL	LAST	CAL DUE.						
ТҮРЕ		NUMBER	NUMBER	CAL.							
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010						
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2008	07/03/2009						
Spectrum Analyzer	R&S	FSP 40	100034	02/22/2009	02/21/2010						
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	01/05/2009	01/04/2010						
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2008	07/04/2009						

8.4. Measurement Result

Refer to attach spectrum analyzer data chart.

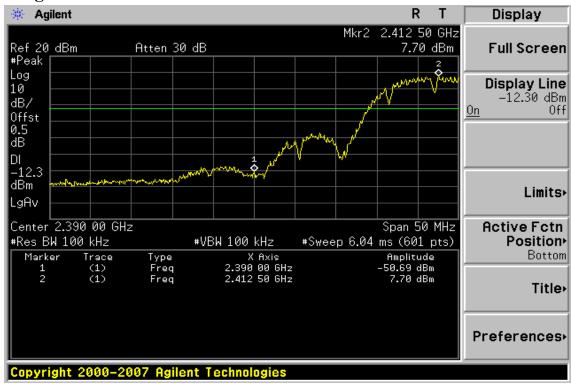
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 30 of 69

802.11b **Band Edges Test Data CH-Low**



Band Edges Test Data CH-High



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 31 of 69

Radiated Emission: 802.11 b mode

Operation Mode TX CH Low Test Date Jun. 04, 2009 Fundamental Frequency 2412 MHz Test By Jasson Pol Ver. **Tmperature** 25 ℃ Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	$\mathbf{A}\mathbf{V}$			
Freq. (MHz)	Reading (dBuV)	Reading (dBuV)		Peak (dBuV/m)	AV (dRuV/m)	Limit	Limit	0	Remark	
(IVIIIZ)	(uDu v)	(uDu v)	CF (ub)	(ubu v/III)	(ubu v/III)	(uD u v/III)	(ubu v / li	i, (ub)		
2386.35	48.02		-1.40	46.62		74.00	54.00	-7.38	Peak	
2390.00	46.34		-1.39	44.95		74.00	54.00	-9.05	Peak	
Operation Mode TX CH Low					Test	Date	Jun. 04, 20	09		
Fundamen	tal Frequer	ncy 2412	MHz				Test By .		Jasson	
Temperatu	re	25				Pol	-	Hor.		
Humidity		65 %								

	Peak AV			Actu	al FS Peak		$\mathbf{A}\mathbf{V}$		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dB uV/m)	(dBuV/m)	(dB)	
2386.35	48.86		-1.46	47.40		74.00	54.00	-6.60	Peak
2390.00	45.89		-1.39	44.50		74.00	54.00	-9.50	Peak

Remark:

- (1) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column_o
- (3) Spectrum Peak Setting: 1GHz-26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (4) Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 32 of 69

Radiated Emission: 802.11 b mode

Operation Mode TX CH High Test Date Jun. 04, 2009 Fundamental Frequency 2462 MHz Test By Jasson Pol Ver. Temperature 25 Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	$\mathbf{A}\mathbf{V}$		
Freq. (MHz)	Reading (dBuV)	$\begin{array}{c} Reading \\ (dBuV) \end{array}$		Peak (dBuV/m)	AV (dBuV/m)	Limit (dB uV/m)	Limit (dBuV/n	O	Remark
2483.56	46.40		-0.92	45.48		74.00	54.00	-8.52	Peak
2496.16	46.93		-0.84	46.09		74.00	54.00	-7.91	Peak
Operation Mode TX CH High						Jun. 04, 20	09		
Fundamen	tal Frequer	ncy 2462	MHZ			Test	By .	Jasson	
Temperatu	re	25				Pol		Hor.	
Humidity		65 %							

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Lim it	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dB uV/m)	(dBuV/m)	(dB)	
2483.56	47.53		-0.92	46.61		74.00	54.00	-7.39	Peak
2487.51	48.17		-0.86	47.31		74.00	54.00	-6.69	Peak

Remark:

- (1) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column_o
- (3) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (4) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

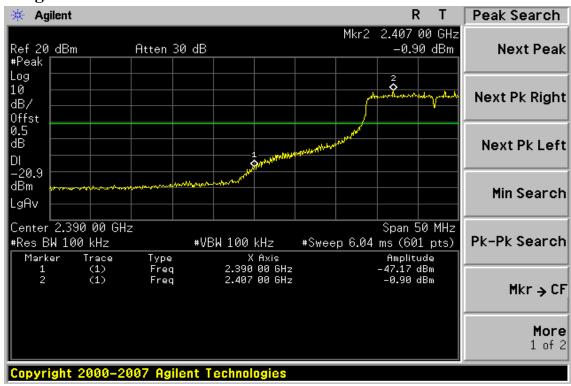
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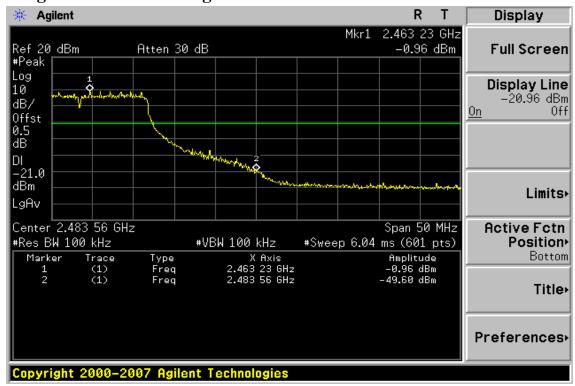
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 33 of 69

802.11g **Band Edges Test Data CH-Low**



Band Edges Test Data CH-High



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Page: 34 of 69

Radiated Emission: 802.11 g mode

Operation Mode TX CH Low Test Date Jun. 04, 2009 Fundamental Frequency 2412 MHz Test By Jasson Pol Ver. **Tmperature** 25 ℃ Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	$\mathbf{A}\mathbf{V}$		
Freq. (MHz)	Reading (dBuV)	Reading (dBuV)		Peak (dBuV/m)	AV (dRuV/m)	Limit	Limit	0	Remark
(IVI IIIZ)	(uDu v)	(ubu v)	CF (ub)	(ubu v/III)	(uDu v/III)	(ub u v/m)	(ubu v / II	i, (ub)	
2390.00	46.98		-1.39	45.59		74.00	54.00	-8.41	Peak
Operation Fundamen Temperatu Humidity	tal Frequer					Test Test Pol	By	Jun. 04, 20 Jasson Hor.	09

	Peak	\mathbf{AV}		Actu	al FS	Peak	$\mathbf{A}\mathbf{V}$		
Freq.	Reading	Reading	Ant./CL	Peak	AV	Limit	Limit	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)) (dB uV/m)	(dBuV/m	(dB)	
2390.00	48.10		-1.39	46.71		74.00	54.00	-7.29	Peak

Remark:

- (1) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column_o
- (3) Spectrum Peak Setting: 1GHz-26GHz, RBW=1MHz, VBW=3MHz, Sweep time=200
- (4) Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 35 of 69

Radiated Emission: 802.11 g mode

Operation Mode TX CH High Test Date Jun. 04, 2009 Fundamental Frequency 2462 MHz Test By Jasson Pol Ver. Temperature 25 ℃

Humidity 65 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	$\mathbf{A}\mathbf{V}$		
Freq. (MHz)	Reading (dBuV)	Reading (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Limit (dB uV/m)	Lim it (dBuV/n	O	Remark
2483.56	46.00		-0.92	45.08		74.00	54.00	-8.92	Peak
Operation	Mode	TX C	H High			Test	Date	Jun. 04, 20	009
Fundamen	tal Frequer	ncy 2462	MHz			Test	By	Jasson	
Temperatu	re	25 ℃				Pol		Hor.	
Humidity		65 %							
	Peak	\mathbf{AV}		Actu	al FS	Peak	AV		
Freq.	O	Reading		Peak	AV	Limit	Limit	O	Remark

1 cult 11 v			1100	netual 1 b		1 can 11 v			
Freq.	Reading	Reading	Ant./CL	Peak	$\mathbf{A}\mathbf{V}$	Limit	Limit	Margin	Remark
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dB uV/m)	(dBuV/m)	(dB)	
2483.56	47.94		-0.92	47.02		74.00	54.00	-6.98	Peak

Remark:

- (1) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (2) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column_o
- (3) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (4) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 36 of 69

SPURIOUS RADIATED EMISSION TEST

9.1. Standard Applicable

According to §15.247(c), all other emissions outside these bands shall not exceed the general radiated emission limits specified in §15.209(a). And according to §15.33(a)(1), for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

9.2. EUT Setup

- 1. The radiated emission tests were performed in the 3 meter open-test site, using the setup in accordance with the ANSI C63.4-2003.
- 2. The EUT was put in the front of the test table. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
- 3. The spacing between the peripherals was 10 centimeters.
- 4. External I/O cables were draped along the edge of the test table and bundle when necessary.

9.3. Measurement Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 4. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna
- 5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 6. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 7. Repeat above procedures until all frequency measured were complete.

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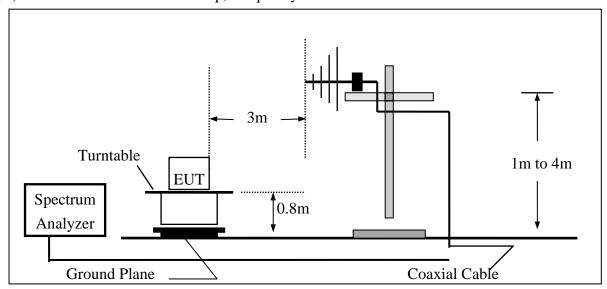


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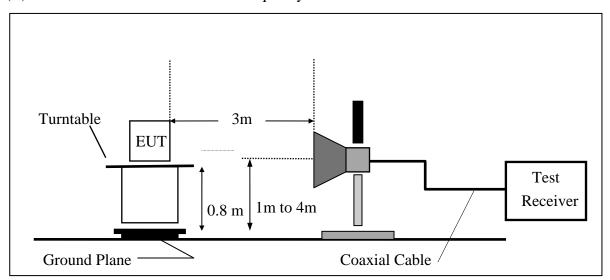
Page: 37 of 69

9.4. Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 38 of 69

9.5. **Measurement Equipment Used:**

	966 Chamber											
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.							
TYPE		NUMBER	NUMBER	CAL.								
Spectrum Analyzer	R&S	FSP 40	100034	02/22/2009	02/21/2010							
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2007	07/03/2009							
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010							
Bilog Antenna	SCHWAZBECK	VULB9160	9160-3158	11/29/2008	11/28/2009							
Horn antenna	Schwarzbeck	BBHA 9120D	9120D-673	05/09/2008	05/10/2010							
Horn antenna	Schwarzbeck	BBHA 9170	184/185	12/31/2008	12/30/2009							
Pre-Amplifier	HP	8447F	3113A06892	01/05/2009	01/04/2010							
Pre-Amplifier	HP	8449B	3008A01973	01/05/2009	01/04/2010							
Turn Table	HD	DT420	N/A	N.C.R	N.C.R							
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R							
Controller	HD	HD100	N/A	N.C.R	N.C.R							
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-10M	10m	01/05/2009	01/04/2010							
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	01/05/2009	01/04/2010							

9.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

9.7. Measurement Result

Refer to attach tabular data sheets.

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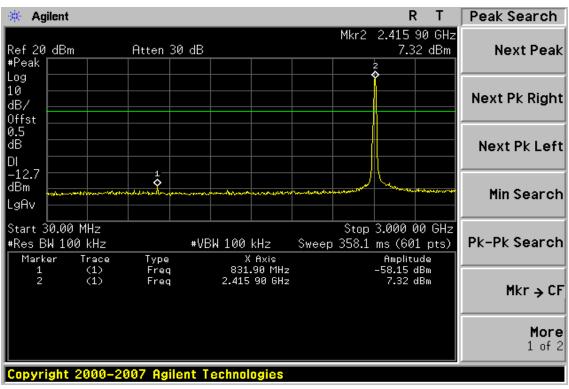
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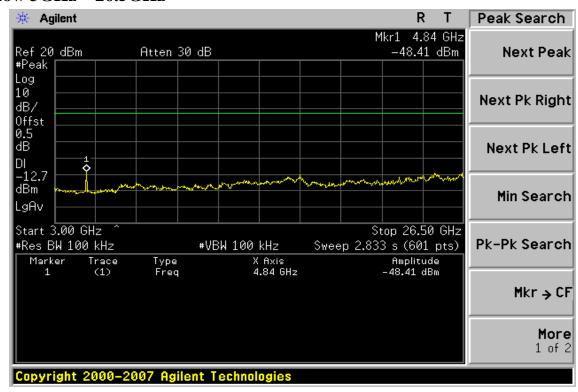
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 39 of 69

Conducted Spurious Emission Measurement Result (802.11b) Ch Low 30MHz - 3GHz



Ch Low 3GHz - 26.5GHz



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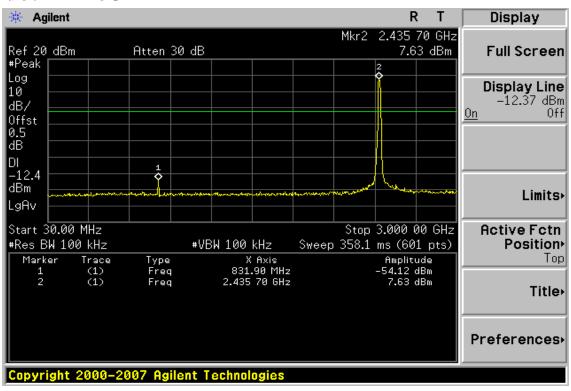
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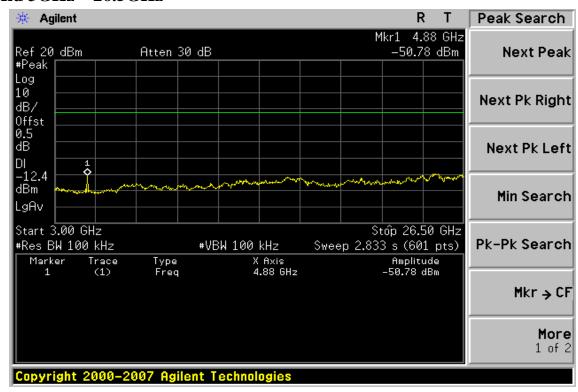
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 40 of 69

Ch Mid 30MHz - 3GHz



Ch Mid 3GHz - 26.5GHz



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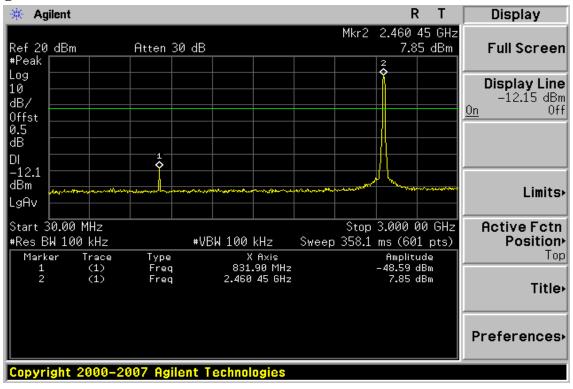
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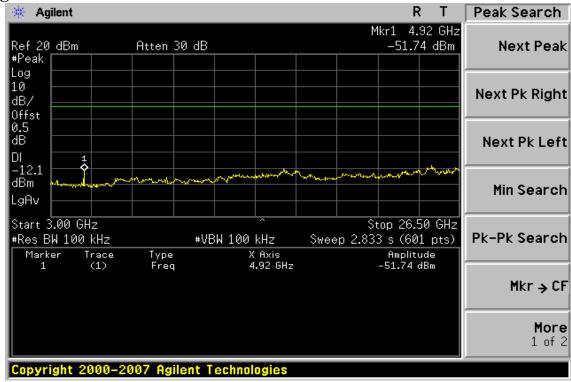
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 41 of 69

Ch High 30MHz – 3GHz



Ch High 3GHz – 26.5GHz



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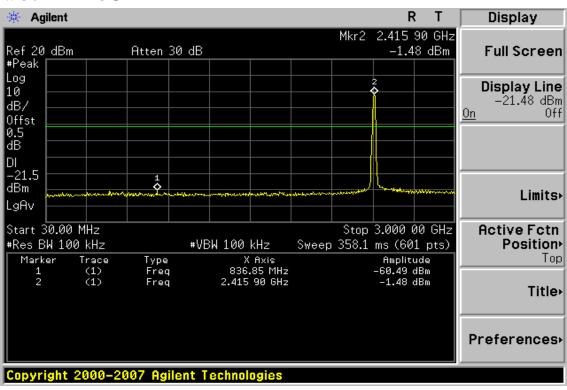
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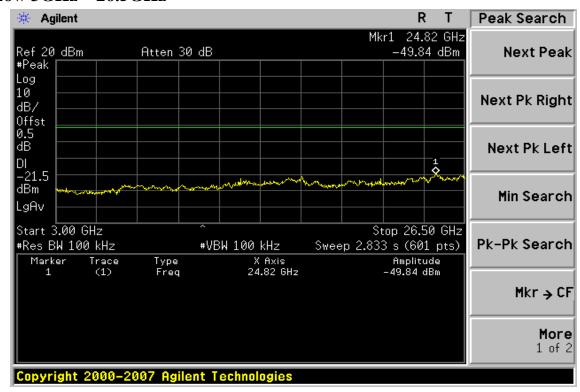
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 42 of 69

Conducted Spurious Emission Measurement Result (802.11g) Ch Low 30MHz - 3GHz



Ch Low 3GHz - 26.5GHz



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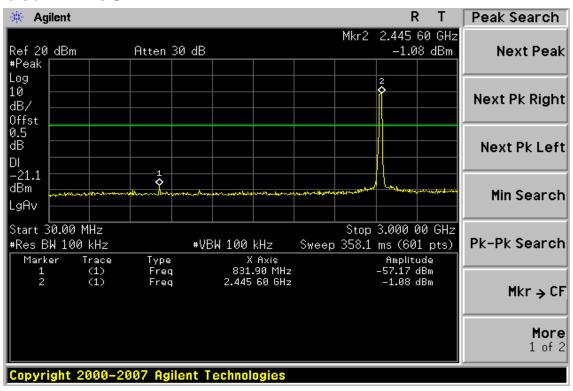
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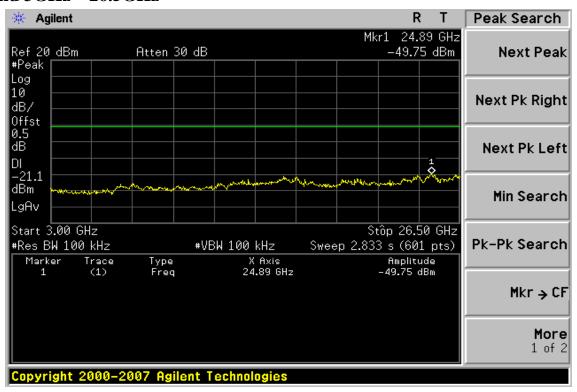
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 43 of 69

Ch Mid 30MHz - 3GHz



Ch Mid 3GHz - 26.5GHz



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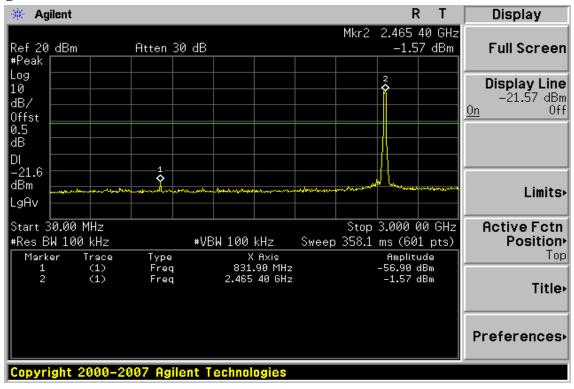
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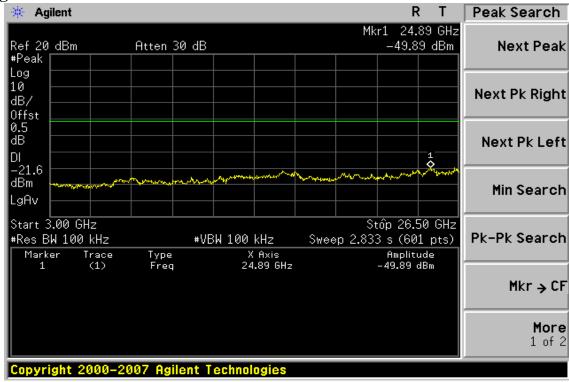
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 44 of 69

Ch High 30MHz – 3GHz



Ch High 3GHz – 26.5GHz



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 45 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11b)

Operation Mode 802.11b TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
75.59	V	Peak	47.12	-17.13	29.99	40.00	-10.01
90.14	V	Peak	49.99	-17.62	32.37	43.50	-11.13
104.69	V	Peak	46.93	-16.63	30.30	43.50	-13.20
460.68	V	Peak	32.75	-8.61	24.14	46.00	-21.86
599.39	V	Peak	33.62	-6.03	27.59	46.00	-18.41
712.88	V	Peak	32.42	-4.82	27.60	46.00	-18.40
38.73	Н	Peak	45.07	-13.84	31.23	40.00	-8.77
72.68	Н	Peak	42.84	-16.62	26.22	40.00	-13.78
104.69	Н	Peak	39.26	-16.63	22.63	43.50	-20.87
407.33	Н	Peak	33.27	-9.82	23.45	46.00	-22.55
625.58	Н	Peak	32.72	-5.47	27.25	46.00	-18.75
764.29	Н	Peak	32.79	-3.91	28.88	46.00	-17.12

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 46 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11b)

Operation Mode 802.11b TX CH Mid **Test Date** Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
75.59	V	Peak	48.54	-17.13	31.41	40.00	-8.59
91.11	V	Peak	48.72	-17.58	31.14	43.50	-12.36
104.69	V	Peak	45.99	-16.63	29.36	43.50	-14.14
567.38	V	Peak	32.57	-7.09	25.48	46.00	-20.52
698.33	V	Peak	32.55	-5.06	27.49	46.00	-18.51
788.54	V	Peak	32.51	-3.30	29.21	46.00	-16.79
39.70	Н	Peak	44.65	-13.73	30.92	40.00	-9.08
53.28	Н	Peak	40.28	-14.40	25.88	40.00	-14.12
72.68	Н	Peak	42.98	-16.62	26.36	40.00	-13.64
104.69	Н	Peak	39.37	-16.63	22.74	43.50	-20.76
633.34	Н	Peak	32.73	-5.32	27.41	46.00	-18.59
783.69	Н	Peak	31.58	-3.41	28.17	46.00	-17.83

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 47 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11b)

Operation Mode 802.11b TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
75.59	V	Peak	49.09	-17.13	31.96	40.00	-8.04
90.14	V	Peak	50.47	-17.62	32.85	43.50	-10.65
104.69	V	Peak	46.93	-16.63	30.30	43.50	-13.20
436.43	V	Peak	36.42	-8.88	27.54	46.00	-18.46
643.04	V	Peak	32.32	-5.14	27.18	46.00	-18.82
766.23	V	Peak	32.23	-3.86	28.37	46.00	-17.63
38.73	Н	Peak	45.26	-13.84	31.42	40.00	-8.58
53.28	Н	Peak	39.82	-14.40	25.42	40.00	-14.58
72.68	Н	Peak	42.08	-16.62	25.46	40.00	-14.54
104.69	Н	Peak	39.50	-16.63	22.87	43.50	-20.63
611.03	Н	Peak	32.59	-5.79	26.80	46.00	-19.20
676.99	Н	Peak	32.01	-4.98	27.03	46.00	-18.97

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 48 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11g)

Operation Mode 802.11g TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
72.68	V	Peak	47.90	-16.62	31.28	40.00	-8.72
90.14	V	Peak	48.93	-17.62	31.31	43.50	-12.19
104.69	V	Peak	44.58	-16.63	27.95	43.50	-15.55
579.99	V	Peak	33.19	-6.68	26.51	46.00	-19.49
712.88	V	Peak	31.82	-4.82	27.00	46.00	-19.00
872.93	V	Peak	33.34	-1.56	31.78	46.00	-14.22
40.67	Н	Peak	45.29	-13.74	31.55	40.00	-8.45
58.13	Н	Peak	40.59	-14.66	25.93	40.00	-14.07
73.65	Н	Peak	43.48	-16.79	26.69	40.00	-13.31
104.69	Н	Peak	38.38	-16.63	21.75	43.50	-21.75
611.03	Н	Peak	32.73	-5.79	26.94	46.00	-19.06
691.54	Н	Peak	32.38	-5.03	27.35	46.00	-18.65

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 49 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11g)

Operation Mode 802.11g TX CH Mid **Test Date** Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
75.59	V	Peak	49.21	-17.13	32.08	40.00	-7.92
90.14	V	Peak	48.97	-17.62	31.35	43.50	-12.15
104.69	V	Peak	45.62	-16.63	28.99	43.50	-14.51
538.28	V	Peak	32.39	-7.88	24.51	46.00	-21.49
730.34	V	Peak	33.35	-4.54	28.81	46.00	-17.19
895.24	V	Peak	35.15	-1.13	34.02	46.00	-11.98
38.73	Н	Peak	46.36	-13.84	32.52	40.00	-7.48
58.13	Н	Peak	40.33	-14.66	25.67	40.00	-14.33
72.68	Н	Peak	43.41	-16.62	26.79	40.00	-13.21
104.69	Н	Peak	39.09	-16.63	22.46	43.50	-21.04
604.24	Н	Peak	32.82	-5.92	26.90	46.00	-19.10
691.54	Н	Peak	31.81	-5.03	26.78	46.00	-19.22
771.08	Н	Peak	32.70	-3.75	28.95	46.00	-17.05

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 50 of 69

Radiated Spurious Emission Measurement Result (below 1GHz) (802.11g)

Operation Mode 802.11g TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol Ver./Hor **Temperature** 25

Humidity 60 %

Freq.	Ant.Pol.	Detector Mode	Reading	Factor	Actual FS	Limit3m	Safe Mar- gin
(MHz)	H/V	(PK/QP)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
58.13	V	Peak	57.93	-27.02	30.91	40.00	-9.09
70.74	V	Peak	54.14	-29.36	24.78	40.00	-15.22
85.29	V	Peak	55.05	-31.45	23.60	40.00	-16.40
85.29	V	Peak	55.05	-31.45	23.60	40.00	-16.40
85.29	V	Peak	55.05	-31.45	23.60	40.00	-16.40
85.29	V	Peak	55.05	-31.45	23.60	40.00	-16.40
38.73	Н	Peak	46.39	-13.84	32.55	40.00	-7.45
58.13	Н	Peak	40.10	-14.66	25.44	40.00	-14.56
72.68	Н	Peak	43.13	-16.62	26.51	40.00	-13.49
104.69	Н	Peak	39.70	-16.63	23.07	43.50	-20.43
604.24	Н	Peak	33.23	-5.92	27.31	46.00	-18.69
780.78	H	Peak	32.26	-3.47	28.79	46.00	-17.21

Remark:

- (1) Measuring frequencies from 30 MHz to the 1GHz_o
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak/QP detector mode.
- (3) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (4) The IF bandwidth of SPA between 30MHz to 1GHz was 100KHz.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 51 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol Ver. **Temperature** 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	40.23		-5.76	34.47		74.00	54.00	-19.53	Peak
3691.0	36.53		2.65	39.18		74.00	54.00	-14.82	Peak
4824.0	34.20		6.05	40.25		74.00	54.00	-13.75	Peak
5836.0	35.72		8.33	44.05		74.00	54.00	-9.95	Peak
7236.0						74.00	54.00		
9648.0						74.00	54.00		
12060.0						74.00	54.00		
14472.0						74.00	54.00		
16884.0						74.00	54.00		
19296.0						74.00	54.00		
21708.0						74.00	54.00		
24120.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 52 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol **Temperature** Hor 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	41.77		-5.76	36.01		74.00	54.00	-17.99	Peak
4081.0	35.41		3.94	39.35		74.00	54.00	-14.65	Peak
4824.0	34.63		6.05	40.68		74.00	54.00	-13.32	Peak
7236.0						74.00	54.00		
9648.0						74.00	54.00		
12060.0						74.00	54.00		
14472.0						74.00	54.00		
16884.0						74.00	54.00		
19296.0						74.00	54.00		
21708.0						74.00	54.00		
24120.0						74.00	54.00		

Remark:

- Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW=1MHz, VBW=3MHz, Sweep time=200
- Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 53 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH Mid Test Date Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol Ver **Temperature** 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	40.57		-5.76	34.81		74.00	54.00	-19.19	Peak
3983.5	36.06		3.68	39.74		74.00	54.00	-14.26	Peak
4874.0	34.53		6.17	40.70		74.00	54.00	-13.30	Peak
5836.0	35.55		8.33	43.88		74.00	54.00	-10.12	Peak
7311.0						74.00	54.00		
9748.0						74.00	54.00		
12185.0						74.00	54.00		
14622.0						74.00	54.00		
17059.0						74.00	54.00		
19496.0						74.00	54.00		
21933.0						74.00	54.00		
24370.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 54 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH Mid Test Date Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol **Temperature** Hor 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	41.83		-5.76	36.07		74.00	54.00	-17.93	Peak
3788.5	36.06		2.98	39.04		74.00	54.00	-14.96	Peak
4874.0	34.08		6.17	40.25		74.00	54.00	-13.75	Peak
5576.0	34.99		7.63	42.62		74.00	54.00	-11.38	Peak
7311.0						74.00	54.00		
9748.0						74.00	54.00		
12185.0						74.00	54.00		
14622.0						74.00	54.00		
17059.0						74.00	54.00		
19496.0						74.00	54.00		
21933.0						74.00	54.00		
24370.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 55 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol Ver **Temperature** 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	38.39		-5.76	32.63		74.00	54.00	-21.37	Peak
3385.5	36.83		1.72	38.55		74.00	54.00	-15.45	Peak
4924.0	35.07		6.28	41.35		74.00	54.00	-12.65	Peak
7386.0						74.00	54.00		
9848.0						74.00	54.00		
12310.0						74.00	54.00		
14772.0						74.00	54.00		
17234.0						74.00	54.00		
19696.0						74.00	54.00		
22158.0						74.00	54.00		
24620.0						74.00	54.00		

Remark:

- Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW=1MHz, VBW=3MHz, Sweep time=200
- Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 56 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11b)

Operation Mode 802.11b TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol **Temperature** Hor 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	40.82		-5.76	35.06		74.00	54.00	-18.94	Peak
4308.5	36.13		4.72	40.85		74.00	54.00	-13.15	Peak
4924.0	34.63		6.28	40.91		74.00	54.00	-13.09	Peak
7386.0						74.00	54.00		
9848.0						74.00	54.00		
12310.0						74.00	54.00		
14772.0						74.00	54.00		
17234.0						74.00	54.00		
19696.0						74.00	54.00		
22158.0						74.00	54.00		
24620.0						74.00	54.00		

Remark:

- Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- (4) Spectrum Peak Setting: 1GHz-26GHz, RBW=1MHz, VBW=3MHz, Sweep time=200
- Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 57 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol Ver. **Temperature** 25

Humidity 60 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	40.81		-5.76	35.05		74.00	54.00	-18.95	Peak
4068.0	35.83		3.89	39.72		74.00	54.00	-14.28	Peak
4824.0	34.13		6.05	40.18		74.00	54.00	-13.82	Peak
5706.0	34.77		8.00	42.77		74.00	54.00	-11.23	Peak
7236.0						74.00	54.00		
9648.0						74.00	54.00		
12060.0						74.00	54.00		
14472.0						74.00	54.00		
16884.0						74.00	54.00		
19296.0						74.00	54.00		
21708.0						74.00	54.00		
24120.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency
- (2) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column
- Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 (4)
- Spectrum AV Setting: 1GHz-26GHz, RBW=1MHz, VBW=10Hz, Sweep time=200 (5)

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 58 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH Low **Test Date** Jun. 04, 2009

Fundamental Frequency 2412MHz Test By Jasson Pol **Temperature** Hor 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	42.41		-5.76	36.65		74.00	54.00	-17.35	Peak
3756.0	36.12		2.88	39.00		74.00	54.00	-15.00	Peak
4824.0	34.93		6.05	40.98		74.00	54.00	-13.02	Peak
5511.0	37.67		7.52	45.19		74.00	54.00	-8.81	Peak
7236.0						74.00	54.00		
9648.0						74.00	54.00		
12060.0						74.00	54.00		
14472.0						74.00	54.00		
16884.0						74.00	54.00		
19296.0						74.00	54.00		
21708.0						74.00	54.00		
24120.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 59 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH Mid Test Date Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol Ver **Temperature** 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	41.77		-5.76	36.01		74.00	54.00	-17.99	Peak
4198.0	36.25		4.33	40.58		74.00	54.00	-13.42	Peak
4874.0	34.50		6.17	40.67		74.00	54.00	-13.33	Peak
5563.0	35.68		7.61	43.29		74.00	54.00	-10.71	Peak
7311.0						74.00	54.00		
9748.0						74.00	54.00		
12185.0						74.00	54.00		
14622.0						74.00	54.00		
17059.0						74.00	54.00		
19496.0						74.00	54.00		
21933.0						74.00	54.00		
24370.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 60 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH Mid Test Date Jun. 04, 2009

Fundamental Frequency 2437MHz Test By Jasson Pol **Temperature** Hor 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	43.85		-5.76	38.09		74.00	54.00	-15.91	Peak
4003.0	35.06		3.70	38.76		74.00	54.00	-15.24	Peak
4874.0	34.10		6.17	40.27		74.00	54.00	-13.73	Peak
5563.0	34.91		7.61	42.52		74.00	54.00	-11.48	Peak
7311.0						74.00	54.00		
9748.0						74.00	54.00		
12185.0						74.00	54.00		
14622.0						74.00	54.00		
17059.0						74.00	54.00		
19496.0						74.00	54.00		
21933.0						74.00	54.00		
24370.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 61 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol Ver **Temperature** 23

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	40.11		-5.76	34.35		74.00	54.00	-19.65	Peak
4185.0	34.53		4.27	38.80		74.00	54.00	-15.20	Peak
4924.0	34.08		6.28	40.36		74.00	54.00	-13.64	Peak
5465.5	33.84		7.43	41.27		74.00	54.00	-12.73	Peak
7386.0						74.00	54.00		
9848.0						74.00	54.00		
12310.0						74.00	54.00		
14772.0						74.00	54.00		
17234.0						74.00	54.00		
19696.0						74.00	54.00		
22158.0						74.00	54.00		
24620.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 62 of 69

Radiated Spurious Emission Measurement Result (above 1GHz) (802.11g)

Operation Mode 802.11g TX CH High **Test Date** Jun. 04, 2009

Fundamental Frequency 2462MHz Test By Jasson Pol Hor Temperature 23 ℃

Humidity 54 %

	Peak	\mathbf{AV}		Actu	al FS	Peak	\mathbf{AV}		
Freq.	Reading	Reading	Ant./CL	Peak	\mathbf{AV}	Limit	Limit	Margin	
(MHz)	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1533.0	42.38		-5.76	36.62		74.00	54.00	-17.38	Peak
4178.5	34.39		4.27	38.66		74.00	54.00	-15.34	Peak
4924.0	33.71		6.28	39.99		74.00	54.00	-14.01	Peak
5823.0	34.61		8.32	42.93		74.00	54.00	-11.07	Peak
7386.0						74.00	54.00		
9848.0						74.00	54.00		
12310.0						74.00	54.00		
14772.0						74.00	54.00		
17234.0						74.00	54.00		
19696.0						74.00	54.00		
22158.0						74.00	54.00		
24620.0						74.00	54.00		

Remark:

- (1) Measuring frequencies scanned from 1GHz to the 10th harmonic of highest fundamental frequency.
- (2) Data of measurement within this frequency range shown "-" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- (4) Spectrum Peak Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200
- (5) Spectrum AV Setting: 1GHz- 26GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 63 of 69

10. Peak Power Spectral Density

10.1. Standard Applicable

According to §15.247(e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

10.2. Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW = 3KHz, VBW = 10KHz, Span = 1.5MHz, Sweep=100s
- 4. Record the max. reading.
- 5. Repeat above procedures until all frequency measured were complete.

10.3. Measurement Equipment Used:

Conducted Emission Test Site									
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/19/2008	04/18/2010				
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2008	07/03/2009				
Spectrum Analyzer	R&S	FSP 40	100034	02/22/2009	02/21/2010				
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	01/05/2009	01/04/2010				
Attenuator	Mini-Circuit	BW-S6W5	N/A	07/05/2008	07/04/2009				

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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 64 of 69

10.4. Measurement Result

802.11b

0021110				
СН	RF Power Density	Cable loss	RF Power Density	Maximum Limit
	Reading (dBm)	(dB)	Level (dBm)	(dBm)
Low	-6.36	0.00	-6.36	8
Mid	-6.47	0.00	-6.47	8
High	-6.07	0.00	-6.07	8

802.11g

CH	RF Power Density	Cable loss	RF Power Density	Maximum Limit
	Reading (dBm)	(dB)	Level (dBm)	(dBm)
Low	-14.59	0.00	-14.59	8
Mid	-14.59	0.00	-14.59	8
High	-14.49	0.00	-14.49	8

Note: offset 0.5 dB

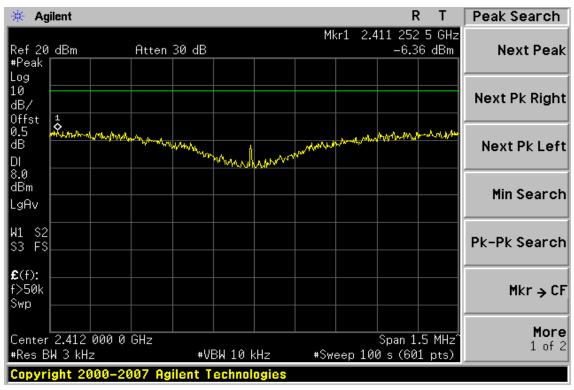
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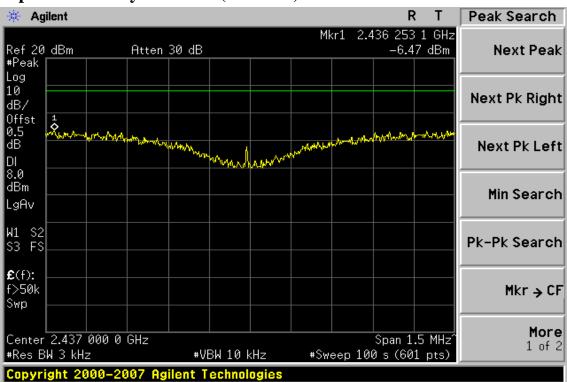
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 65 of 69

802.11b **Power Spectral Density Test Plot (CH-Low)**



Power Spectral Density Test Plot (CH-Mid)



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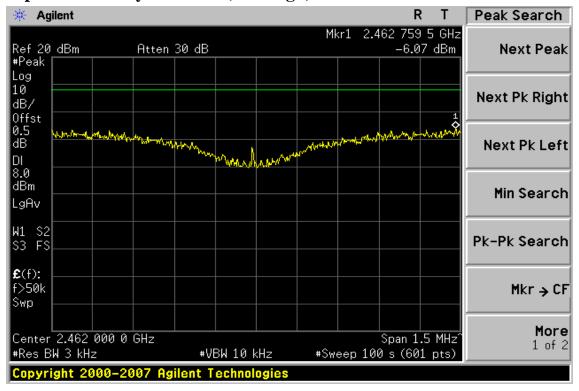
f (886-2) 2298-0488



Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 66 of 69

Power Spectral Density Test Plot (CH-High)



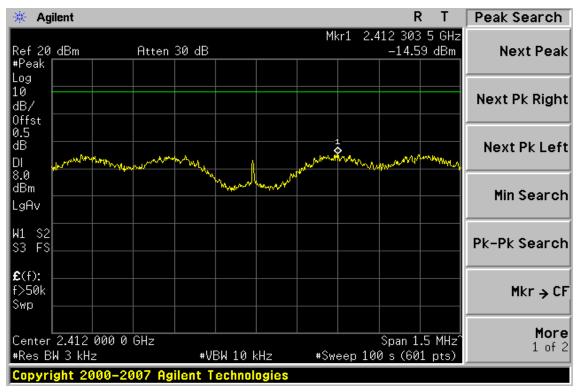
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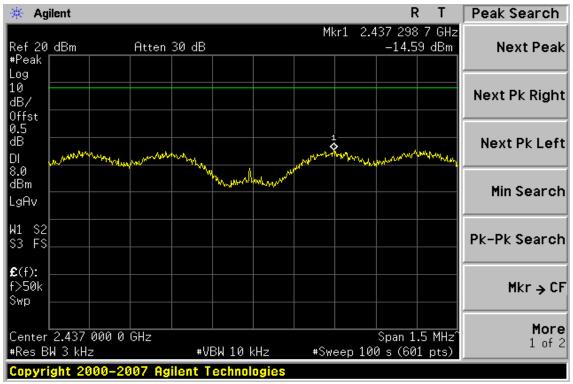
Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 67 of 69

802.11g **Power Spectral Density Test Plot (CH-Low)**



Power Spectral Density Test Plot (CH-Mid)



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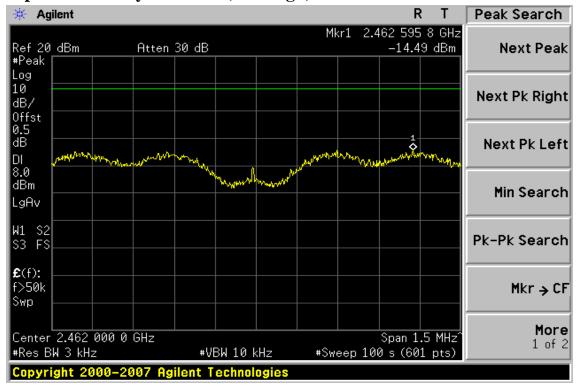
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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 68 of 69

Power Spectral Density Test Plot (CH-High)



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Report No.: EH/2009/50029 Issue Date: Jun. 16, 2009

Page: 69 of 69

11. ANTENNA REQUIREMENT

11.1. Standard Applicable

According to §15.203, Antenna requirement.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

11.2. Antenna Connected Construction

The directional gains of antenna used for transmitting is 1 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Please see EUT photo for details.

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