ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART E REQUIREMENT INDUSTRY CANADA RSS-210 CLASS II PC REPORT

OF

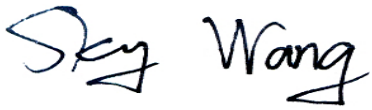
Product Name:	**Intel WLAN radio 622ANHMW tested at HP NB platform HSTNN-W75C**
Brand Name:	**HEWLETT PACKARD COMPANY**
Model Name:	**622ANHMW**
Model Different:	**N/A**
FCC ID:	**B94622ANHMW**
IC:	**466Q-622ANHMW**
Report No.:	**ER/2010/10027**
Issue Date:	**Feb. 05, 2010**
FCC Rule Part:	**§15.407**
IC Rule Part:	**RSS-210 issue 7:2007, Annex 9**
Prepared for:	**Hewlett Packard Company** **3000 Hanover Street** **Palo Alto, USA, 94304**
Prepared by:	**SGS Taiwan Ltd.** **Electronics & Communication Laboratory** **No. 134, Wu Kung Rd., Wuku Industrial Zone,** **Taipei County, Taiwan.**

VERIFICATION OF COMPLIANCE

Applicant:	Hewlett Packard Company 3000 Hanover StreetPalo Alto, USA, 94304
Product Name:	Intel WLAN radio 622ANHMW tested at HP NB platform HSTNN-W75C
Brand Name:	HEWLETT PACKARD COMPANY
FCC ID:	B94622ANHMW
IC:	466Q-622ANHMW
Model Name of Host:	HSTNN-W75C
Model No. of WLAN Modular:	622ANHMW
Model Difference:	N/A
File Number:	ER/2010/10027
Date of test:	Jan. 21, 2010 ~ Feb. 03, 2010
Date of EUT Received:	Jan. 21, 2010

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory 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 15.407 and RSS-210 issue 7: 2007 Annex 9. The test results of this report relate only to the tested sample identified in this report.

Test By:		***Date:***	Feb. 05, 2010
	SkyWang / Engineer		
Prepared By:		***Date:***	Feb. 05, 2010
	Mark Chung / Project Engineer		
Approved By:		***Date:***	Feb. 05, 2010
	Vincent Su / Manager		

Version

Version No.	Date	Description
00	Feb. 05, 2010	Initial creation of document

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1. GENERAL INFORMATION

1.1. Product Description

Notebook General Informaiton:

Notebook Applicant:	Hewlett Packard Company 3000 Hanover Street Palo Alto, USA, 94304	
Product Name:	Intel WLAN radio 622ANHMW tested at HP NB platform HSTNN-W75C	
Brand Name:	HEWLETT PACKARD COMPANY	
Model Name:	HSTNN-W75C	
Model Difference:	N/A	
Display size:	10.1''	
WLAN FCC ID:	B94622ANHMW	
WLAN IC ID:	466Q-622ANHMW	
Hardware Version	N/A	
Software Version	N/A	
Power Supply:	11.1 Vdc Li-lio battery or 18.5Vdc from AC/DC power adapter	
	Battery:	Model: HSTNN-OB45, Supplier: Hewlett-Packard Company
	Adapter:	Model: PPP009H, Supplier: Hewlett-Packard Company

WLAN: 802.11 a/b/g/n (2TX / 2RX)

Wi-Fi	Frequency Range (MHz)	Channels	Rated Power	Modulation Technology	Type of Emission
11b/g	2412-2462	11	b : 16.55dBm g : 16.62dBm	DSSS, OFDM	12M3G1D
11n (2.4G Band)	HT20 2412-2462	11	n : 16.65 dBm	OFDM	17M6G1D
	HT40 2422-2452	9			36M1D1D

Wi-Fi	Frequency Range (MHz)	Channels	Rated Power	Modulation Technology	Type of Emission
11a	5180-5240	4	a : 16.87dBm	OFDM	16M5G7D
11n (5 G band)	HT20 5180-5240	4			36M0D1D
	HT40 5190-5230	2			
11a	5260-5320	4	a : 16.73dBm	OFDM	16M5G7D
11n (5G Band)	HT20 5260-5320	4			36M0D1D
	HT40 5270-5310	2			
11a	5500-5700	11	a : 16.75dBm	OFDM	17M6G7D
11n (5G Band)	HT20 5500-5700	11			36M0D1D
	HT40 5510-5670	5			
11a	5745-5825	5	a : 16.67 dBm	OFDM	17M8G7D

11n (5G band)	HT20 5745-5825	5			36M0D1D
	HT40 5755-5795	2			
Antenna Designation		2.4G: Antenna (Main): 1.74 dBi / Antenna (Aux): 1.37 dBi Type: PIFA, Manufacturer: Ethertronics Inc. 5G: Antenna (Main): 2.81 dBi / Antenna (Aux): 1.75 dBi Type: PIFA, Manufacturer: Ethertronics Inc.			
Modulation type		CCK, DQPSK, DBPSK for DSSS 64QAM. 16QAM, QPSK, BPSK for OFDM			
Transition Rate:		802.11 a: 6/9/12/18/24/36/48/54 Mbps; 802.11 b: 1/2/5.5/11 Mbps; 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 450Mbps 802.11 n_40MHz: 13.5 – 450Mbps			

The EUT is compliant with IEEE 802.11 a/b/g /n Standard.
This report applies for frequency bands 5180 MHz– 5240 MHz, 5260 MHz – 5320 MHz, and 5470 – 5725 MHz.

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

This submittal(s) (test report) is intended for **FCC ID: B94622ANHMW** filing to comply with Section 15.407 of the FCC Part 15, Subpart E Rules and **IC: 466Q-622ANHMW** filing to comply with Industry Canada RSS-210 issue 7: 2007 Annex 9.

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003) and RSS-Gen: 2007.. Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4. 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.

1.5. Special Accessories

Not available for this EUT intended for grant.

1.6. Equipment Modifications

Not available for this EUT intended for grant.

2. 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 30 MHz 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.

2.4. Configuration of Tested System

Fig. 2-1 Configuration of Tested System

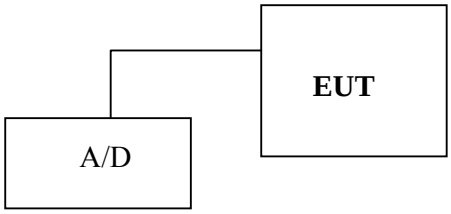


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.
1.	WiFi Software	N/A	CRTM	N/A

3. SUMMARY OF TEST RESULT

FCC Rules	Description Of Test	Result
§15.407(a) RSS 210 A9.2(1)	Output Power Measurement	Compliant
§15.407(b) RSS 210 A9.3	Undesirable Emission – Radiated Measurement	Compliant
§15.407(d) RSS-210 issue 7,§A8.4	Antenna Requirement	Compliant

4. 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.

a mode: Channel lowest(5180MHz)、Mid(5200MHz) and Highest(5240MHz) with 6Mbps data rate are chosen for full testing.
a /n HT 20 mode: Channel lowest(5180MHz)、Mid(5200MHz) and Highest(5240MHz) with 6.5Mbps data rate are chosen for full testing
a/n HT 40 mode: Channel lowest(5190MHz)、Highest(5230MHz) with 13.5Mbps data rate are chosen for full testing

a mode: Channel lowest(5260MHz)、Mid(5280MHz) and Highest(5320MHz) with 6Mbps data rate are chosen for full testing.
a /n HT 20 mode: Channel lowest(5260MHz)、Mid(5280MHz) and Highest(5320MHz) with 6.5Mbps data rate are chosen for full testing
a/n HT 40 mode: Channel lowest(5270MHz)、Highest(5310MHz) with 13.5Mbps data rate are chosen for full testing

a mode: Channel lowest(5500MHz)、Mid(5600MHz) and Highest(5700MHz) with 6Mbps data rate are chosen for full testing.
a /n HT 20 mode: Channel lowest(5500MHz)、Mid(5600MHz) and Highest(5700MHz) with 6.5Mbps data rate are chosen for full testing
a/n HT 40 mode: Channel lowest(5510MHz)、Mid (5590MHz) and Highest(5670MHz) with 13.5Mbps data rate are chosen for full testing

Note: The radiated emission is evaluated and pretested in two mode: Laptop mode and Tablet mode. Laptop mode is defined as the display of EUT open (90。) with keyboard section while Tablet mode is adjusted in position where the display folds onto keyboard section.
In these two mode, radiation emitted by EUT as set in Laptop mode is reported as the worst case.

5. OUTPUT POWER MEASUREMENT

5.1 Standard Applicable

According to §15.407(a)

1. For the band 5.15-5.25 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B.
2. For the band 5.25-5.35 GHz and 5.47-5.725GMHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B.
3. For the band 5.725-5.825 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 1W (30dBm) or 17 dBm + 10log B.

According to RSS-210 A9.2

1. For the band 5150-5250 MHz, the maximum equivalent isotropically radiated power (e.i.r.p.) shall not exceed 200 mW or 10 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.
2. For the bands 5250-5350 MHz and 5470-5725 MHz, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10 B, dBm, whichever power is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band. The maximum e.i.r.p. shall not exceed 1.0 W or

   17 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

   In addition, devices with maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

   In addition to the above requirements, devices operating in the band 5250-5350 MHz with maximum e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. elevation mask where θ is the angle above the local horizontal plane (of the earth) as shown below:

(i) -13 dB(W/MHz) for 0o ≤ θ < 8o
(ii) -13 – 0.716 (θ-8) dB(W/MHz) for 8o ≤ θ < 40o
(iii) -35.9 – 1.22 (θ-40) dB(W/MHz) for 40o ≤ θ ≤ 45o
(iv) -42 dB(W/MHz) for θ > 45o

3. For the band 5725-5825 MHz, the maximum conducted output power shall not exceed 1.0 W or

   17 + 10 log10 B, dBm, whichever power is less. The power spectral density shall not exceed 17 dBm in any 1.0 MHz band. The maximum e.i.r.p. shall not exceed 4.0 W or 23 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

   Fixed point-to-point systems for this band are permitted to have an e.i.r.p. greater than 4 W, provided that the higher e.i.r.p. is achieved by employing higher gain antennas, but not higher transmitter output powers. Point-to-multipoint systems, omni-directional applications and multiple co-located transmitters transmitting the same information are prohibited from exceeding 4 W e.i.r.p. However, remote stations of point-to-multipoint systems shall be permitted to operate at greater than 4 W e.i.r.p, under the same conditions as for point-to-point systems.

   where B is the 26dB emission bandwidth in MHz.

5.2 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=3MHz, ACP Bandwidth =26dB Emission Bandwidth)
3. Record the max. reading.
4. Repeat above procedures until all frequency measured were complete.

5.3 Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	Agilent	E4446A	MY43360126	04/27/2009	04/27/2010
Spectrum Analyzer	Agilent	E7405A	US41160416	07/04/2009	07/03/2010
Spectrum Analyzer	R&S	FSP 40	100034	11/09/2009	11/08/2010
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA	N/A	N/A	N/A
Attenuator	Mini-Circuit	BW-S6W5	N/A	01/05/2010	01/04/2011

5.4 Measurement Result

5150 ~ 5250 MHz

UNII

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5180	16.62	17.00	-0.38
5200	16.73	17.00	-0.27
5240	16.37	17.00	-0.63

UNII HT20 Combine, Chain0, Chain1

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5180	16.54	17.00	-0.46
5200	16.62	17.00	-0.38
5240	16.87	17.00	-0.13

UNII HT40 Combined

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5190	16.56	17.00	-0.44
5230	16.58	17.00	-0.42

5250 ~ 5350 MHz

UNII

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5260	16.44	24.00	-7.56
5280	16.51	24.00	-7.49
5320	16.45	24.00	-7.55

UNII HT20 Combined

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5180	16.73	24.00	-7.27
5200	16.70	24.00	-7.30
5240	16.64	24.00	-7.36

UNII HT40 Combined

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5270	16.67	24.00	-7.33
5310	16.65	24.00	-7.35

5470 ~ 5725 MHz

UNII

Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5500	16.42	24.00	-7.58
5600	16.55	24.00	-7.45
5700	16.36	24.00	-7.64

UNII HT20 Combine, Chain0, Chain1

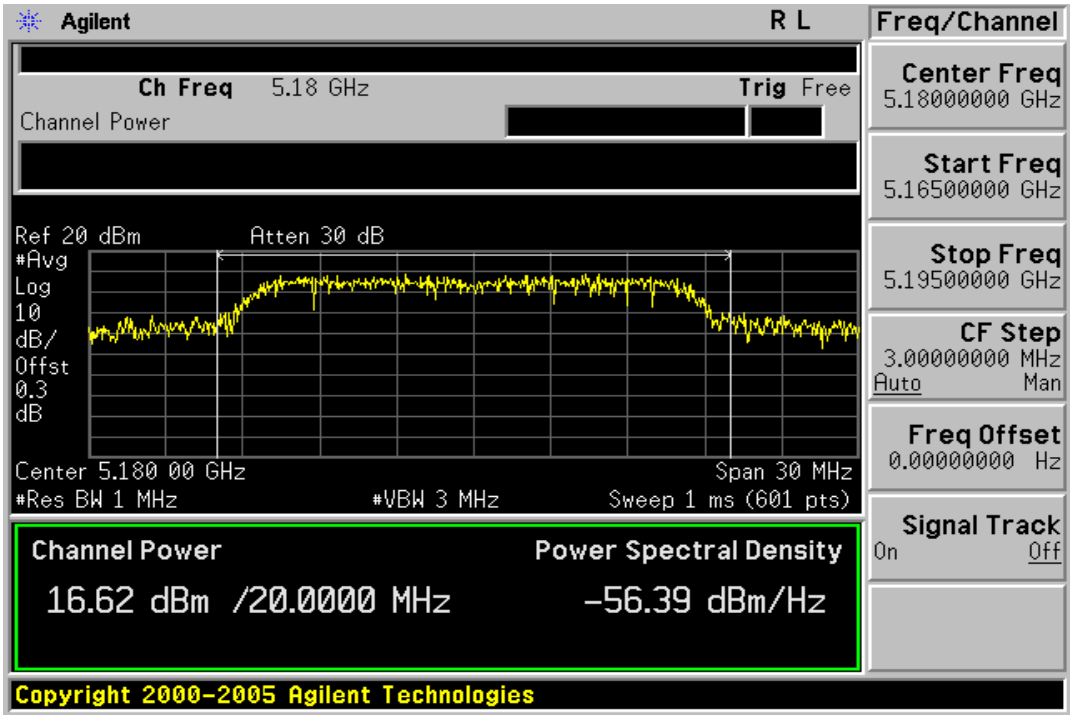
Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5500	16.72	24.00	-7.28
5600	16.64	24.00	-7.36
5700	16.75	24.00	-7.25

UNII HT40 Combine, Chain0, Chain1

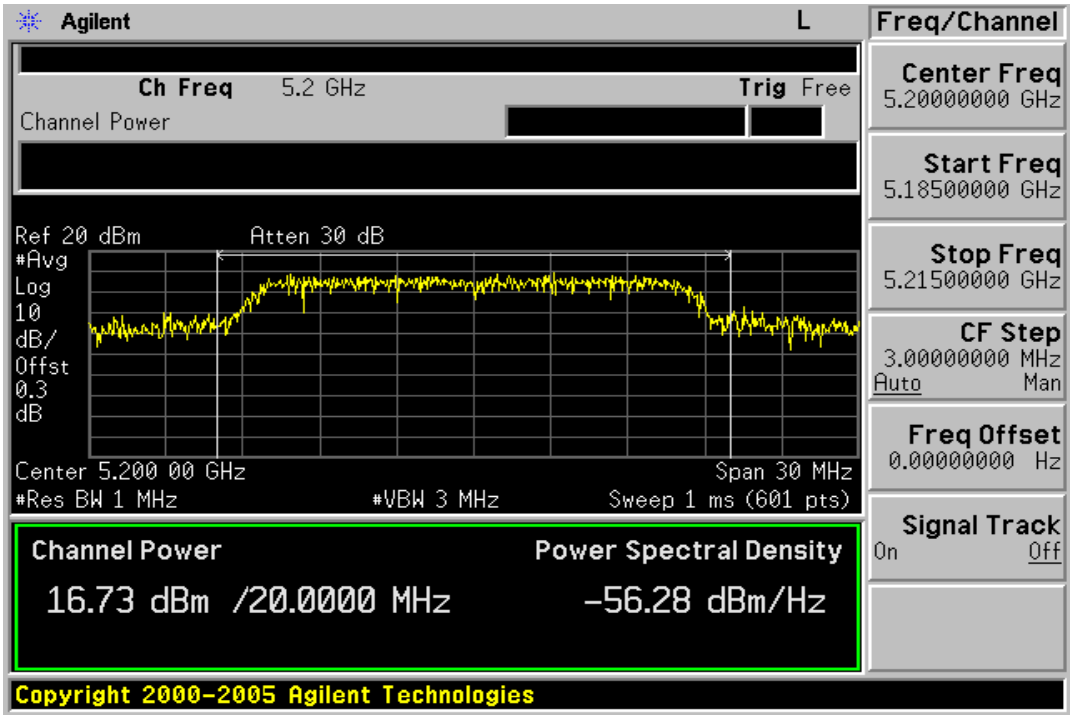
Frequency (MHz)	ACP Power (dBm)	Limit (dBm)	Margin (dB)
5510	16.51	24.00	-7.49
5590	16.64	24.00	-7.36
5670	16.58	24.00	-7.42

UNII (5150 ~ 5250 MHz)

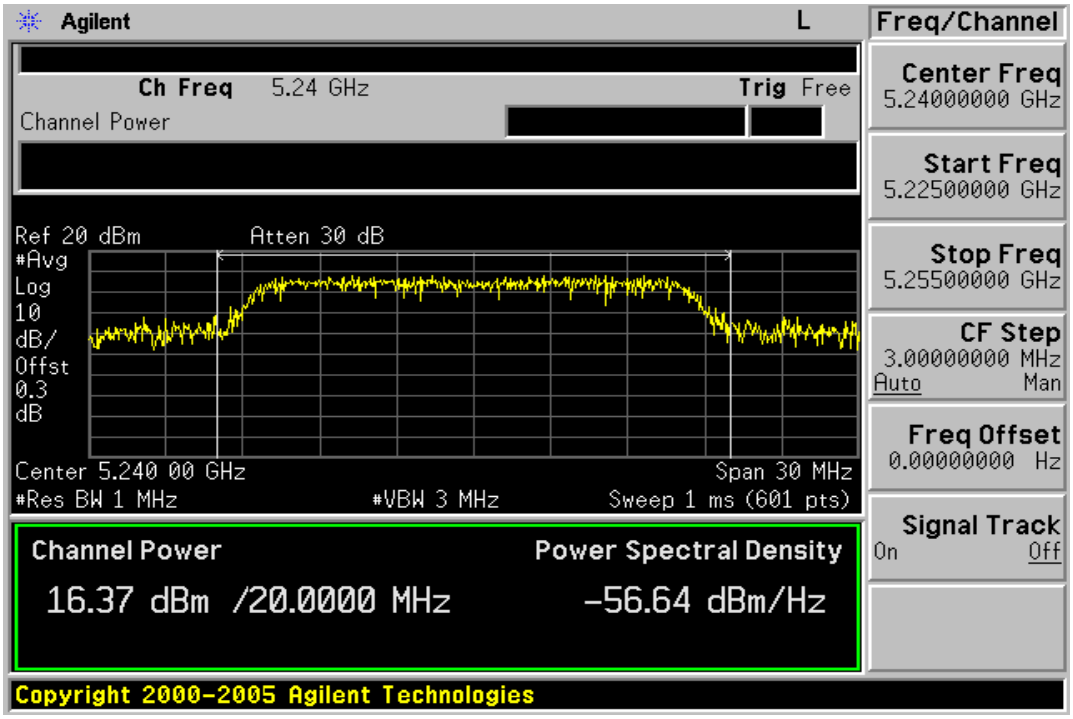
Output Power Data Plot (CH Low 5180 MHz)



Output Power Data Plot (CH Mid 5200 MHz)

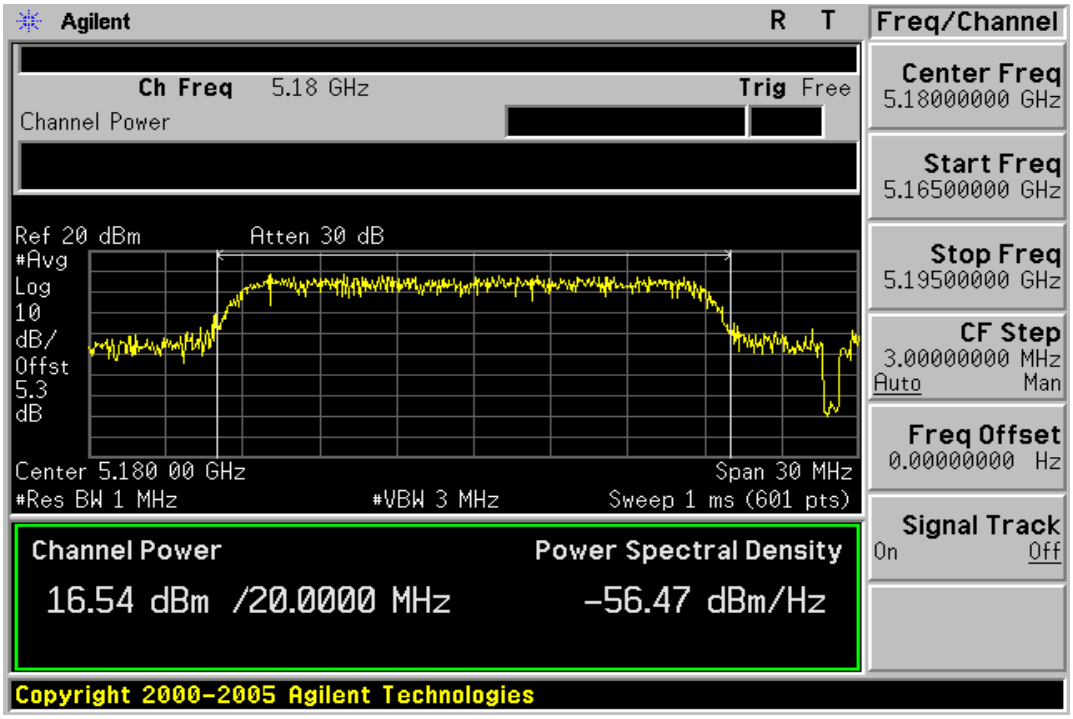


Output Power Data Plot (CH High 5240 MHz)

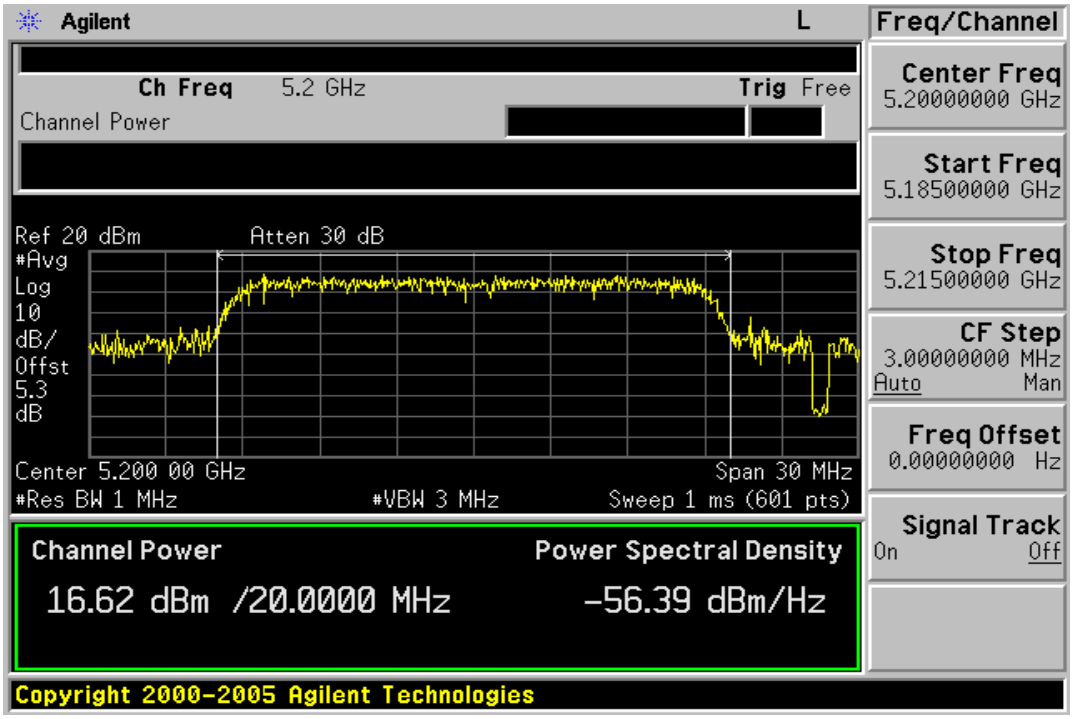


UNII HT20, Combination

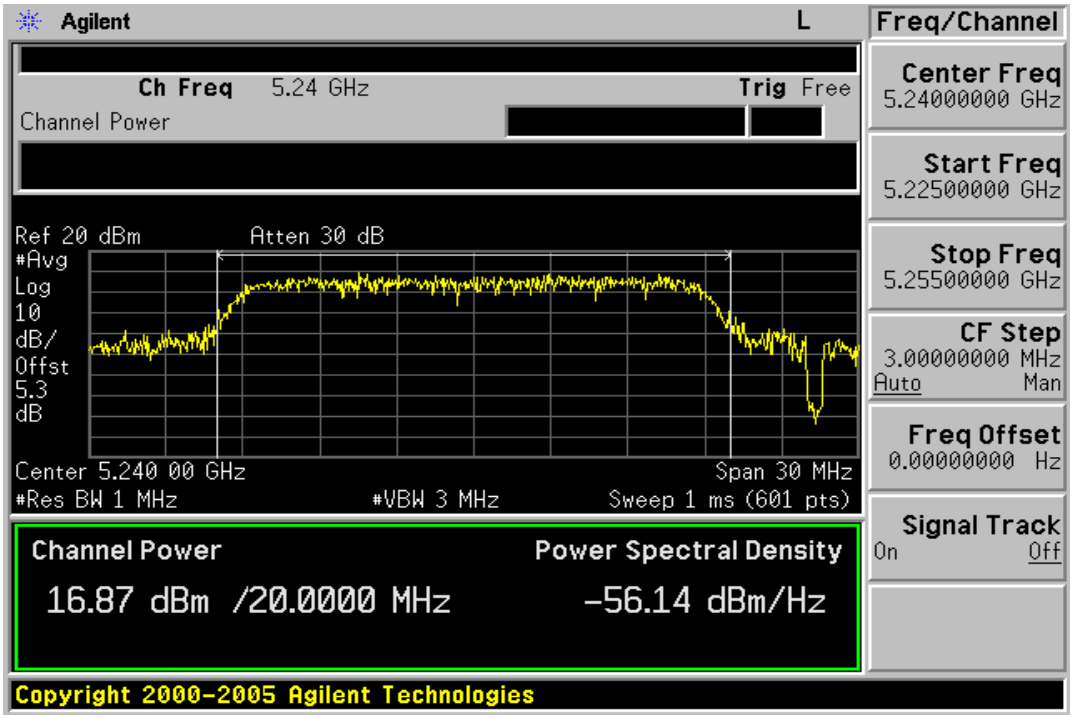
Output Power Data Plot (CH Low 5180 MHz)



Output Power Data Plot (CH Mid 5200 MHz)

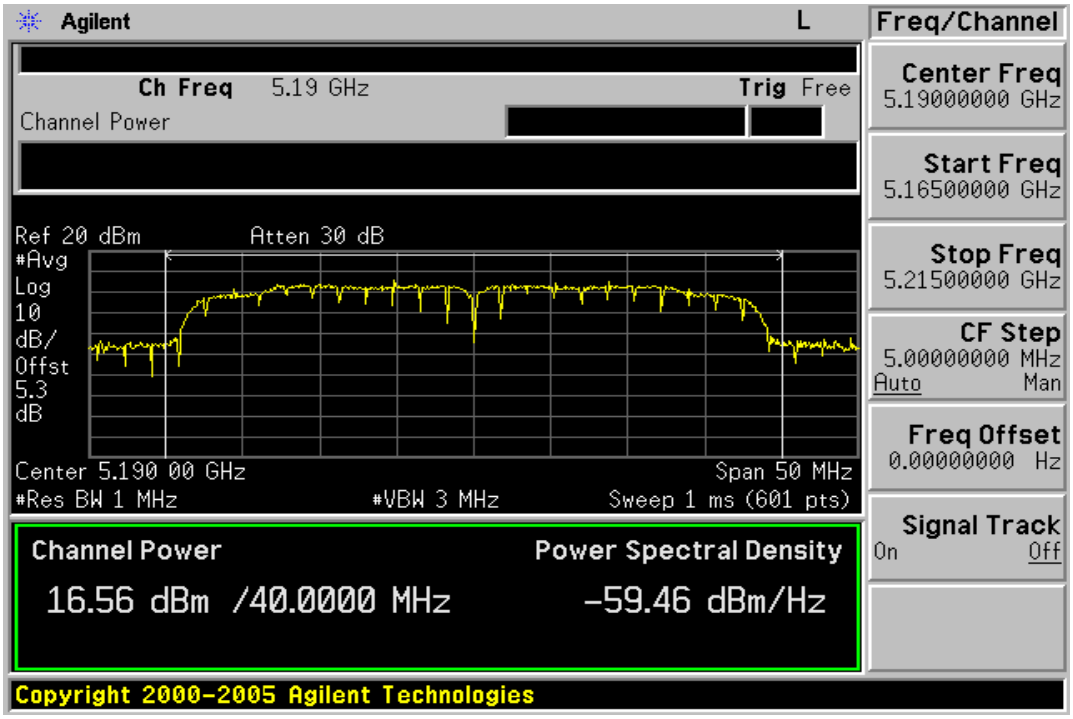


Output Power Data Plot (CH High 5240 MHz)

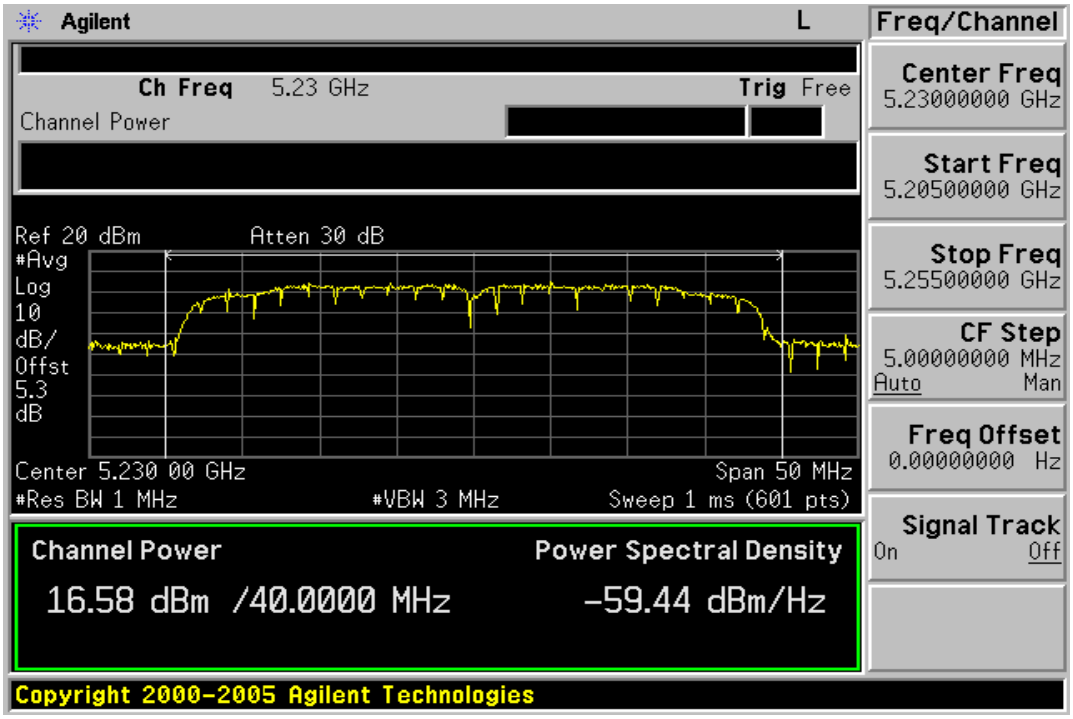


UNII HT40, Combination

Output Power Data Plot (CH Low 5190 MHz)

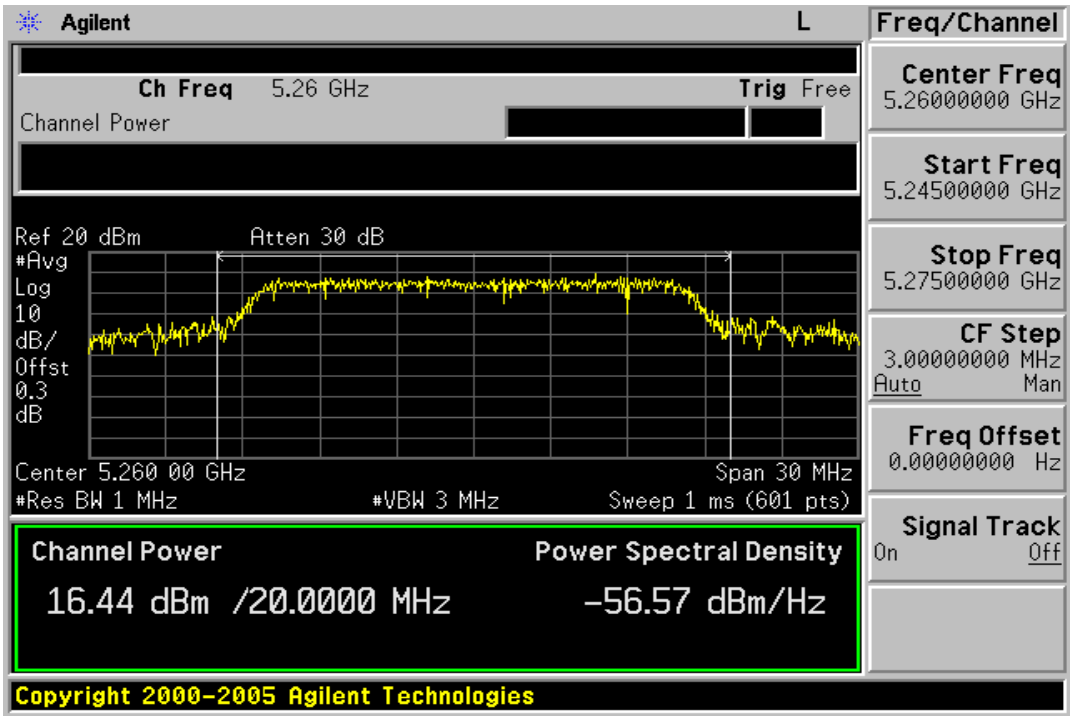


Output Power Data Plot (CH High 5230 MHz)

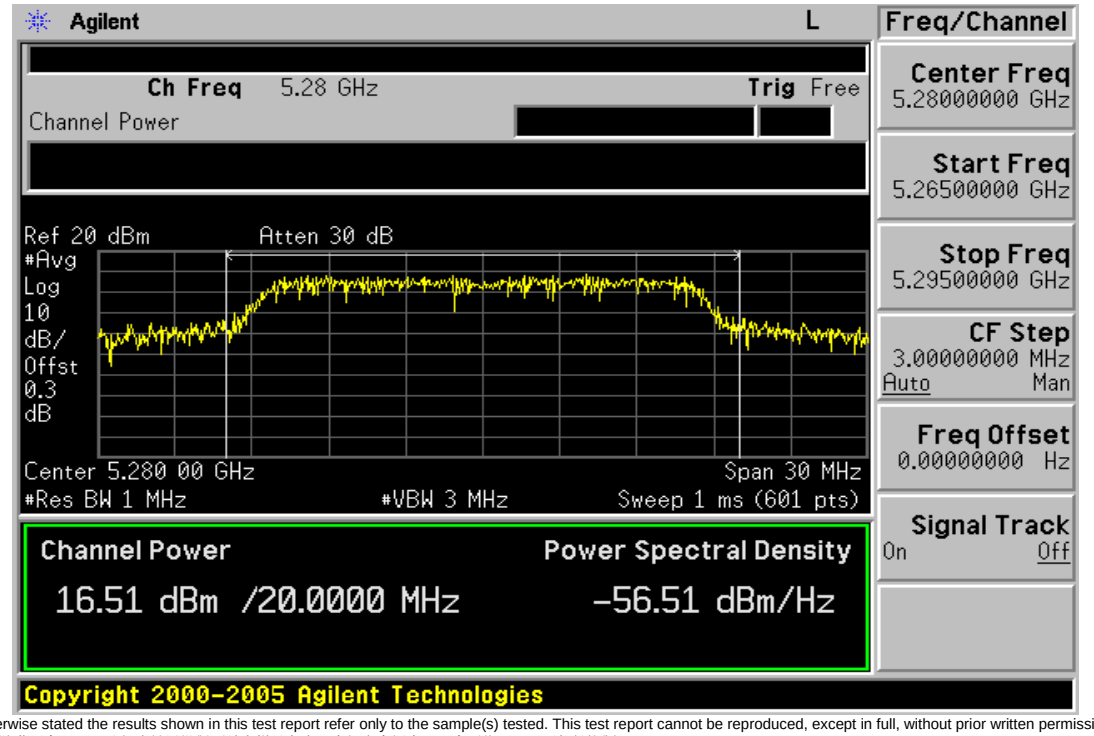


UNII (5250 ~ 5350 MHz)

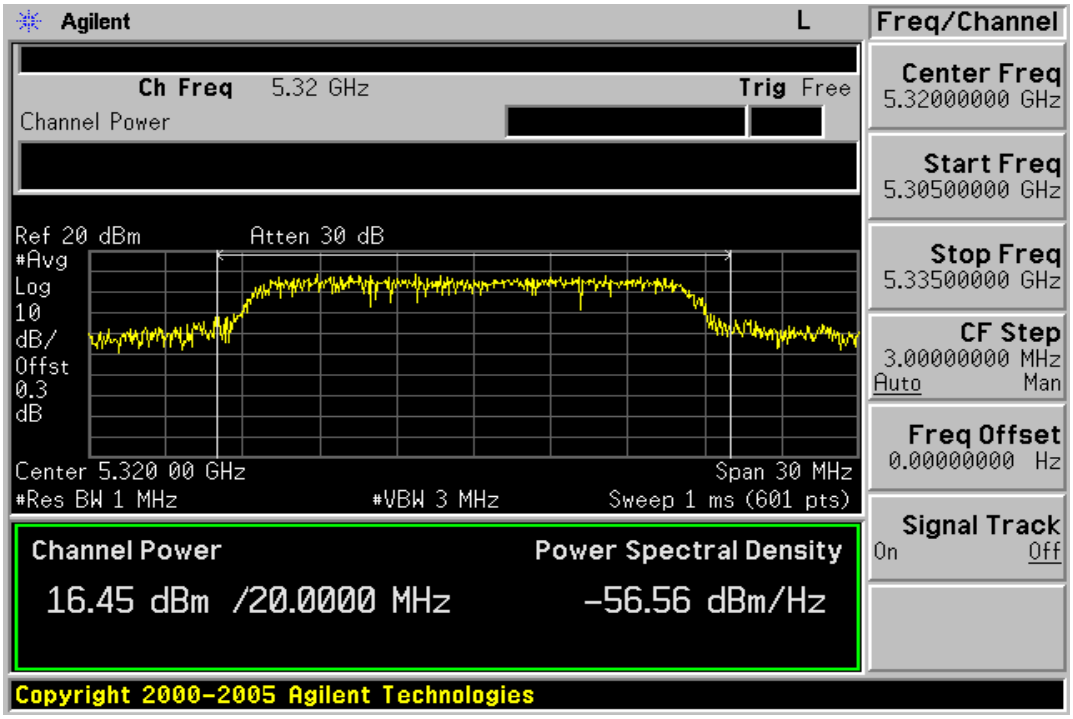
Output Power Data Plot (CH Low 5260 MHz)



Output Power Data Plot (CH Mid 5280 MHz)

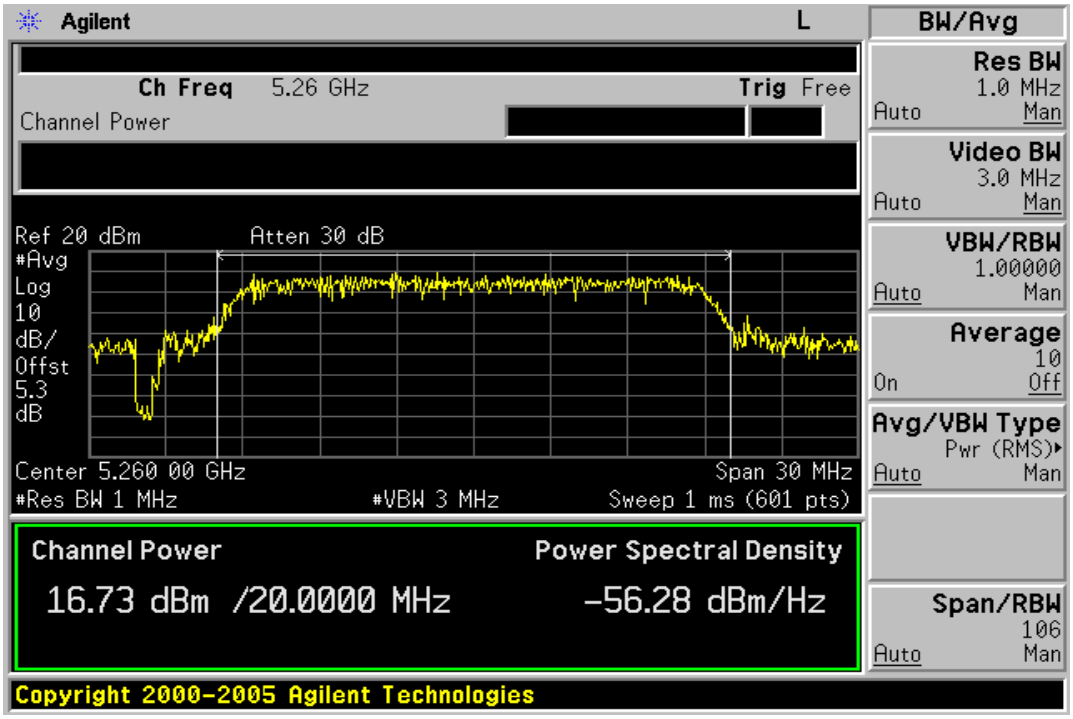


Output Power Data Plot (CH High 5320 MHz)

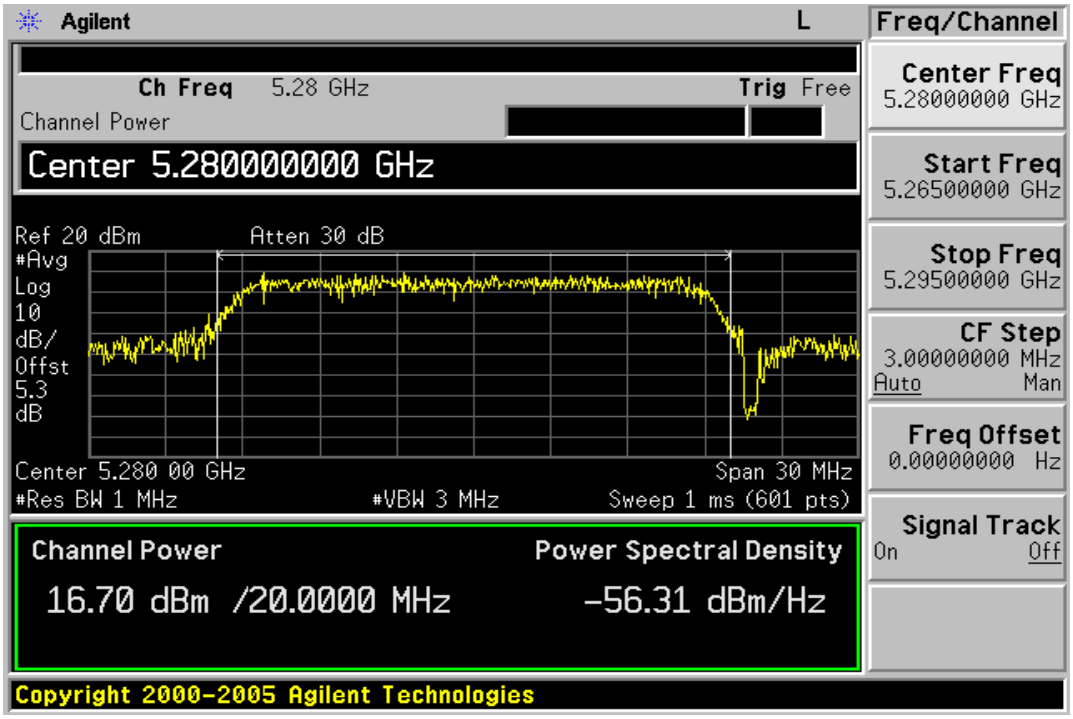


UNII HT20, Combination

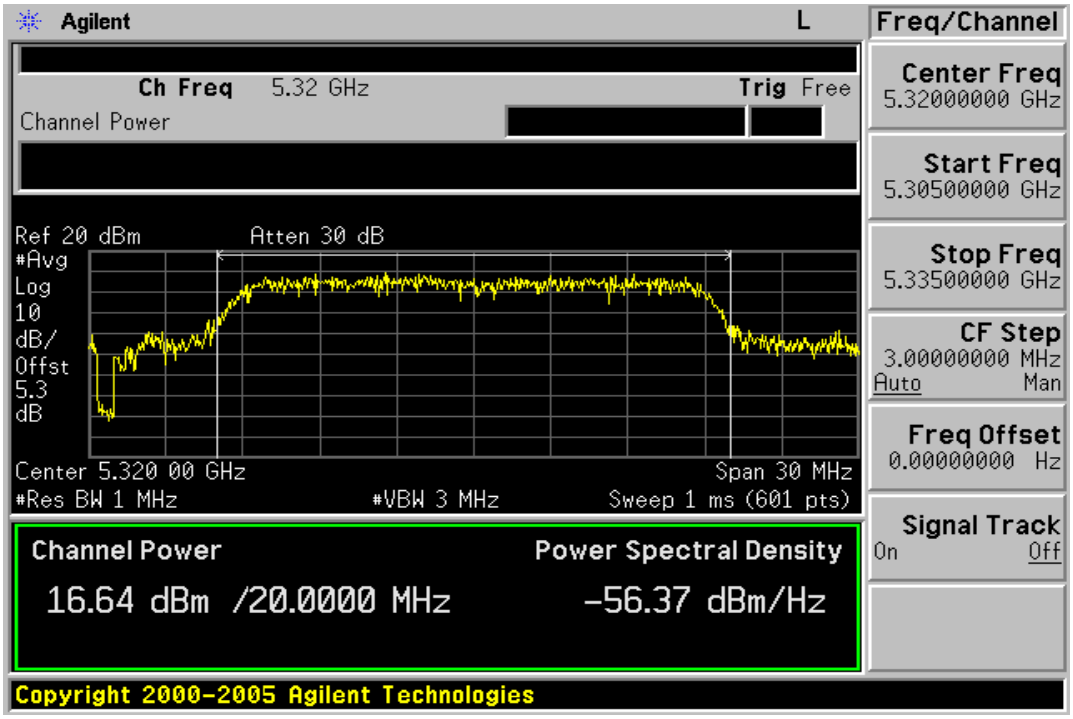
Output Power Data Plot (CH Low 5260 MHz)



Output Power Data Plot (CH Mid 5280 MHz)

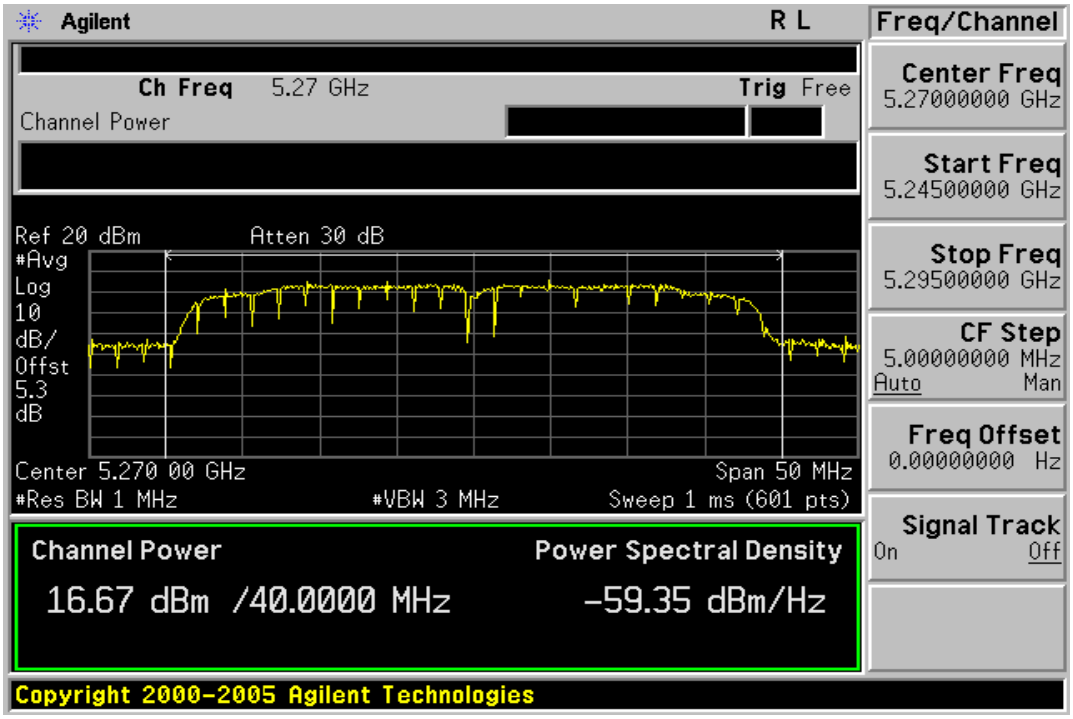


Output Power Data Plot (CH High 5320 MHz)

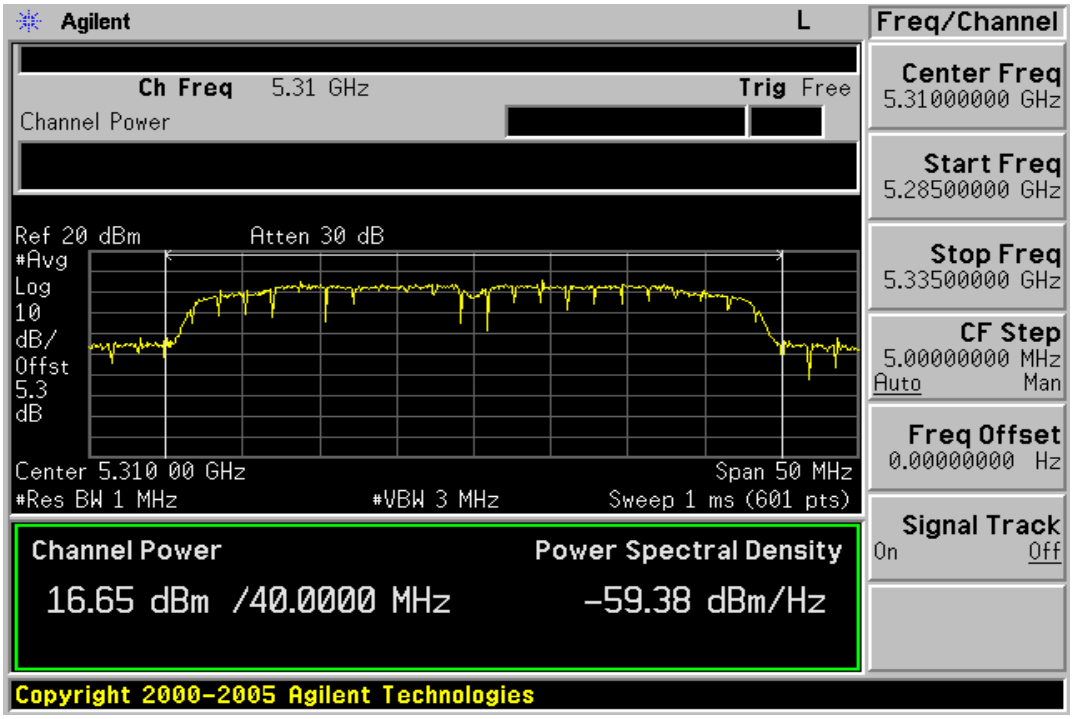


UNII HT40, Combination

Output Power Data Plot (CH Low 5270 MHz)

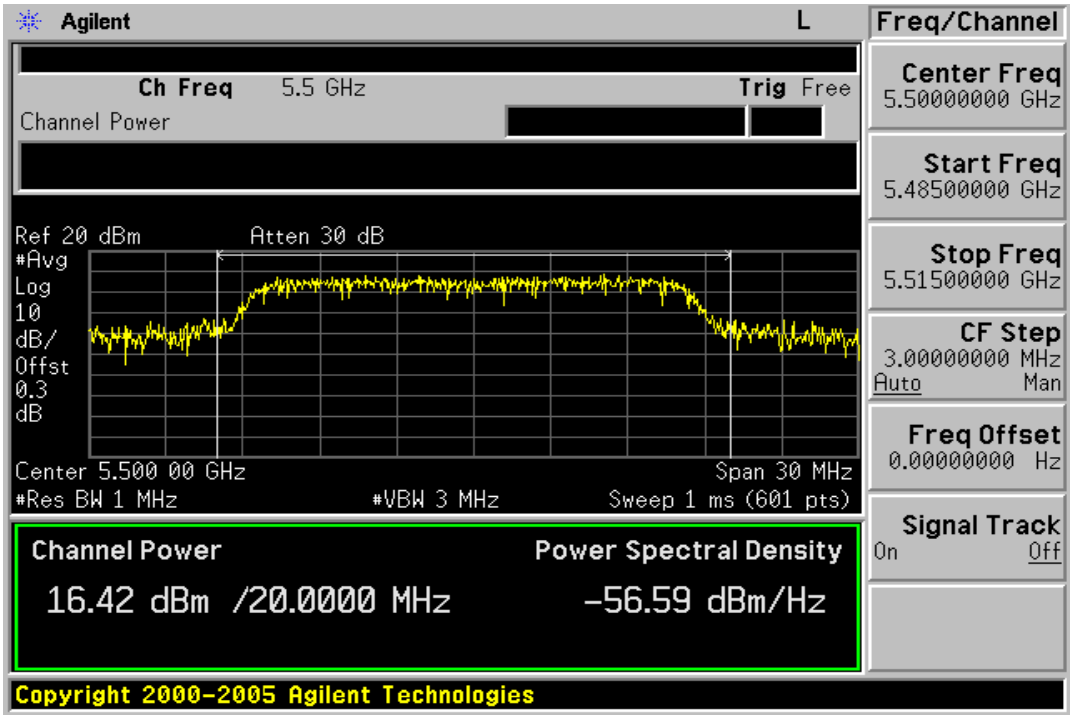


Output Power Data Plot (CH High 5310 MHz)

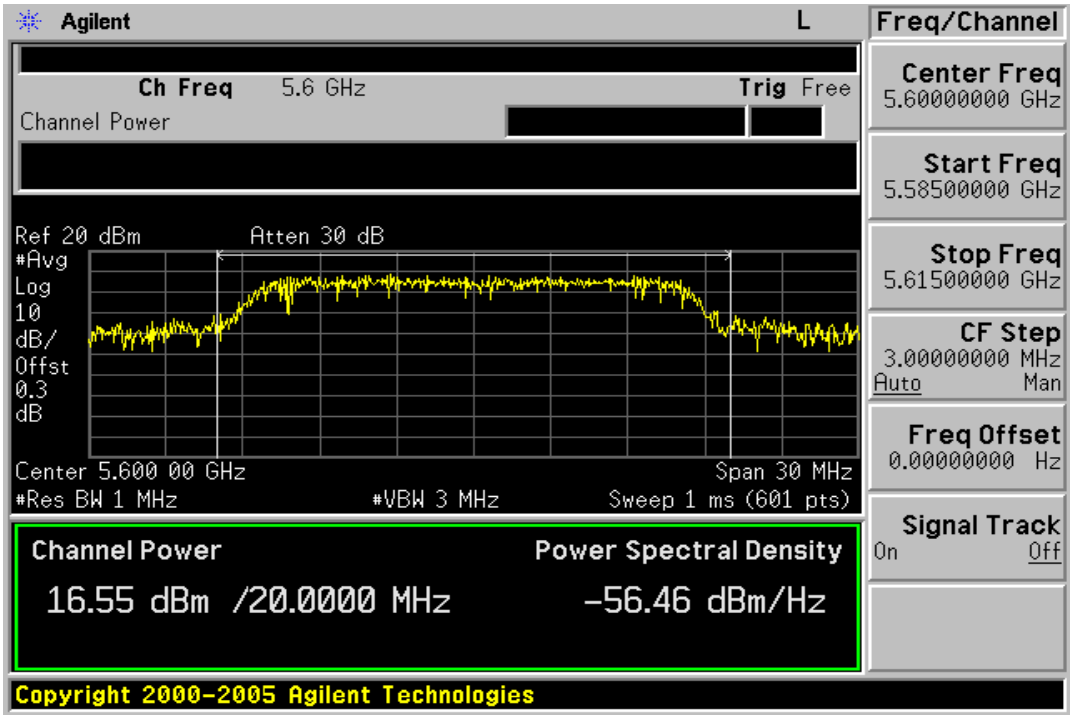


UNII (5470 ~ 5725 MHz)

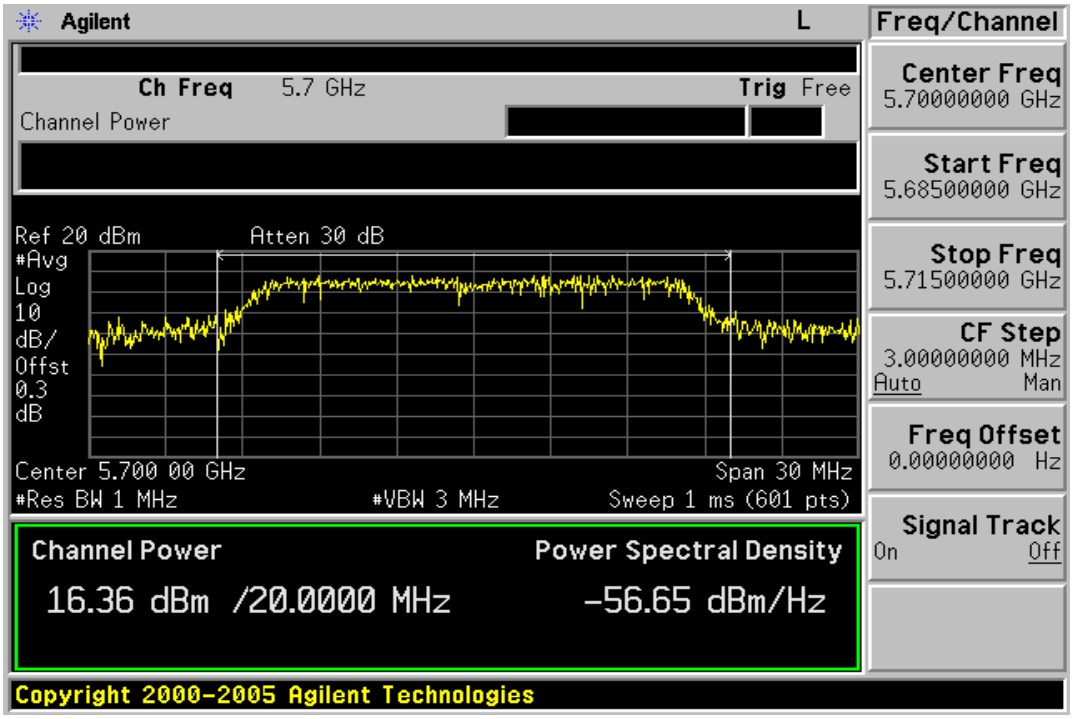
Output Power Data Plot (CH Low 5500 MHz)



Output Power Data Plot (CH Mid 5600 MHz)

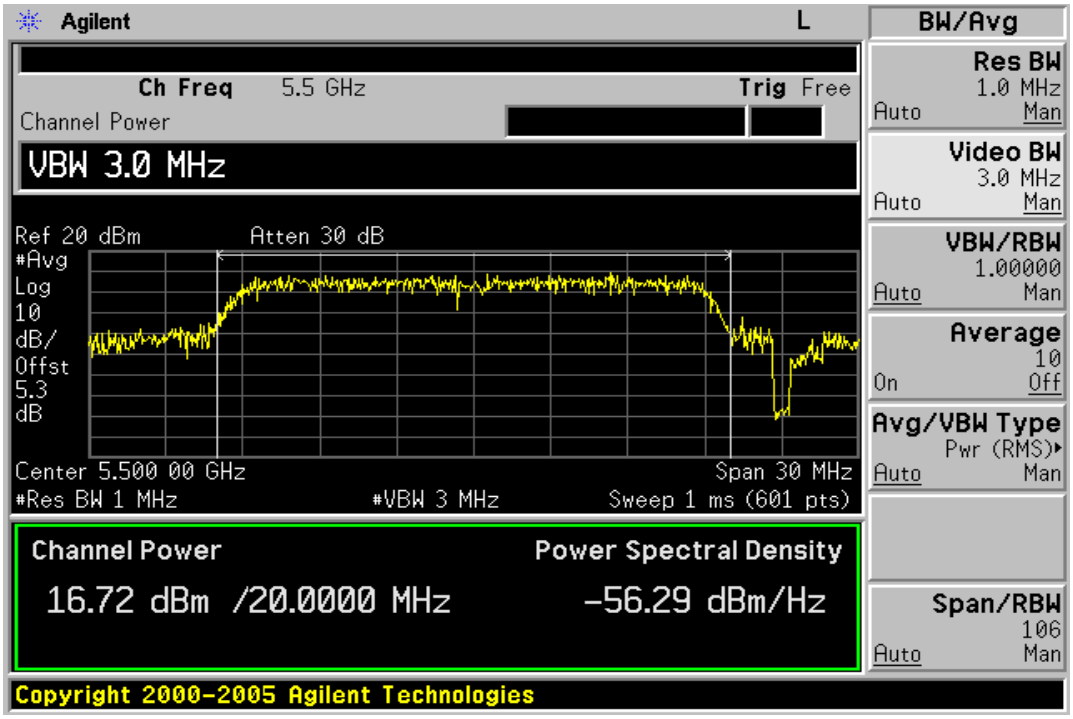


Output Power Data Plot (CH High 5700 MHz)

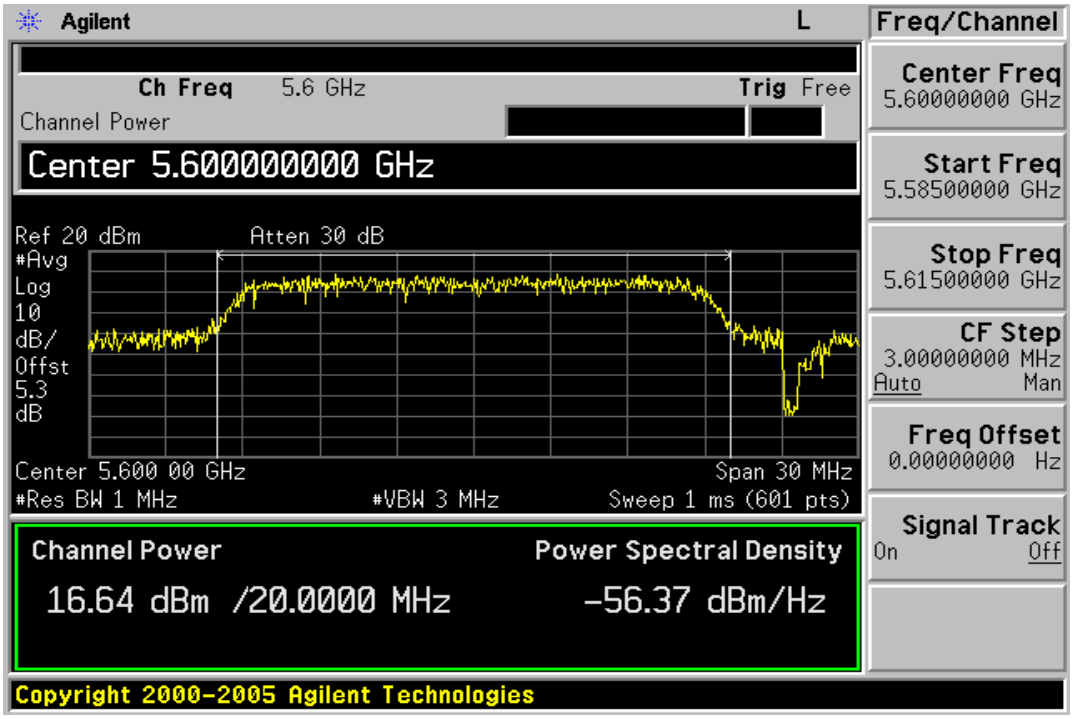


UNII HT20, Combination

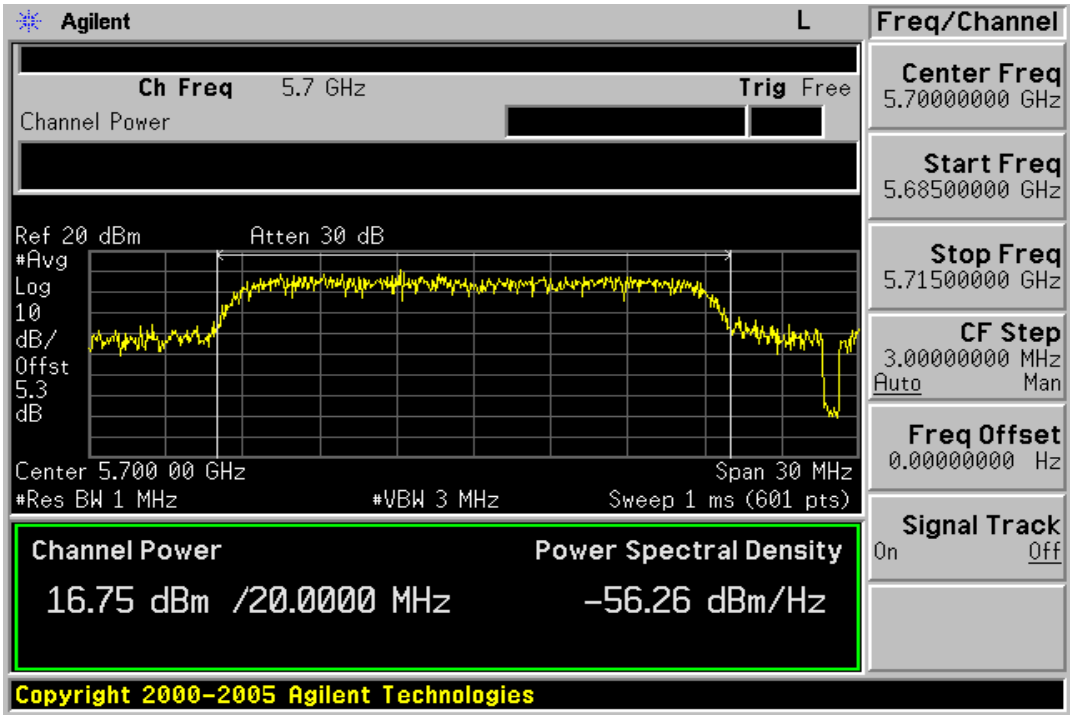
Output Power Data Plot (CH Low 5500 MHz)



Output Power Data Plot (CH Mid 5600 MHz)

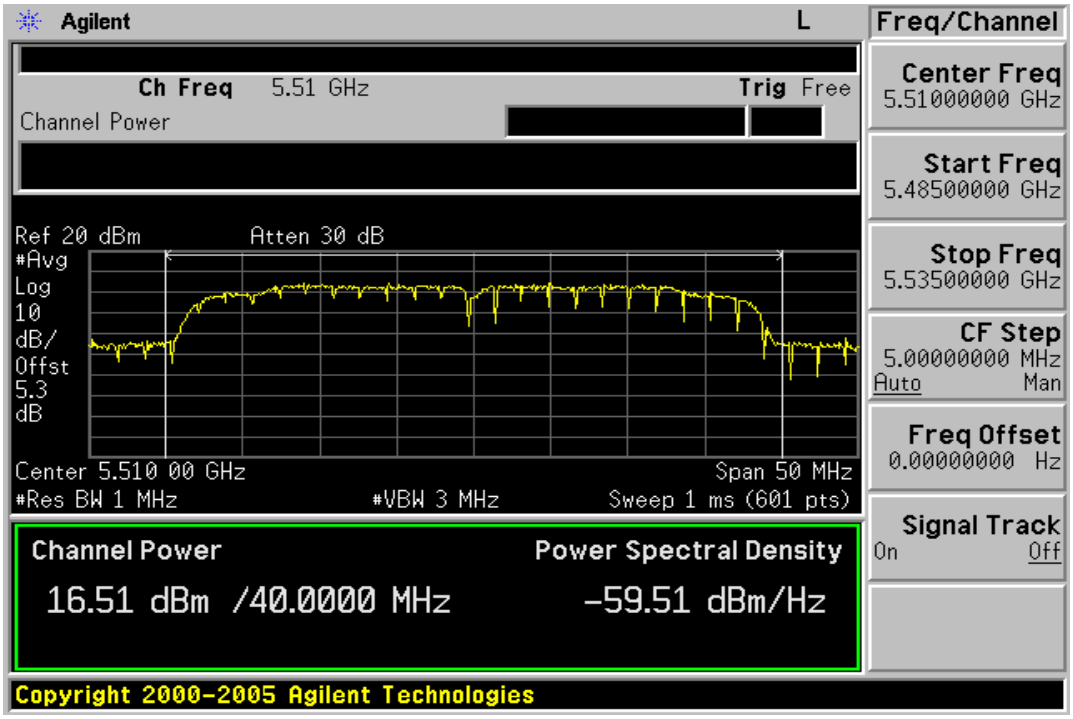


Output Power Data Plot (CH High 5700 MHz)

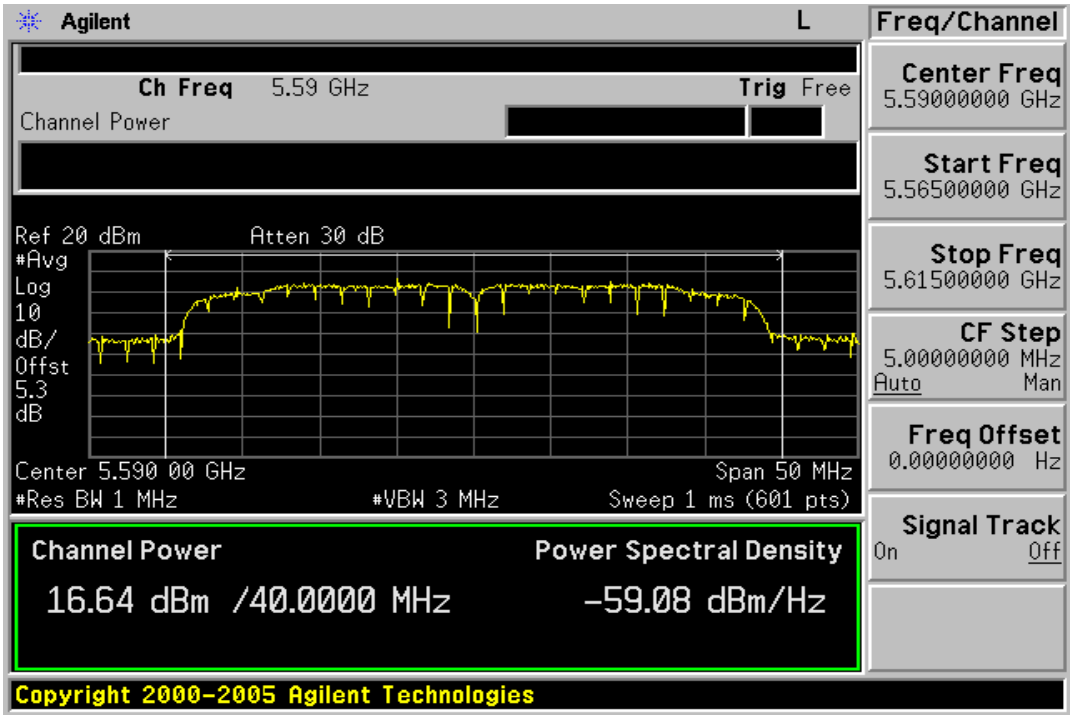


UNII HT40, Combination

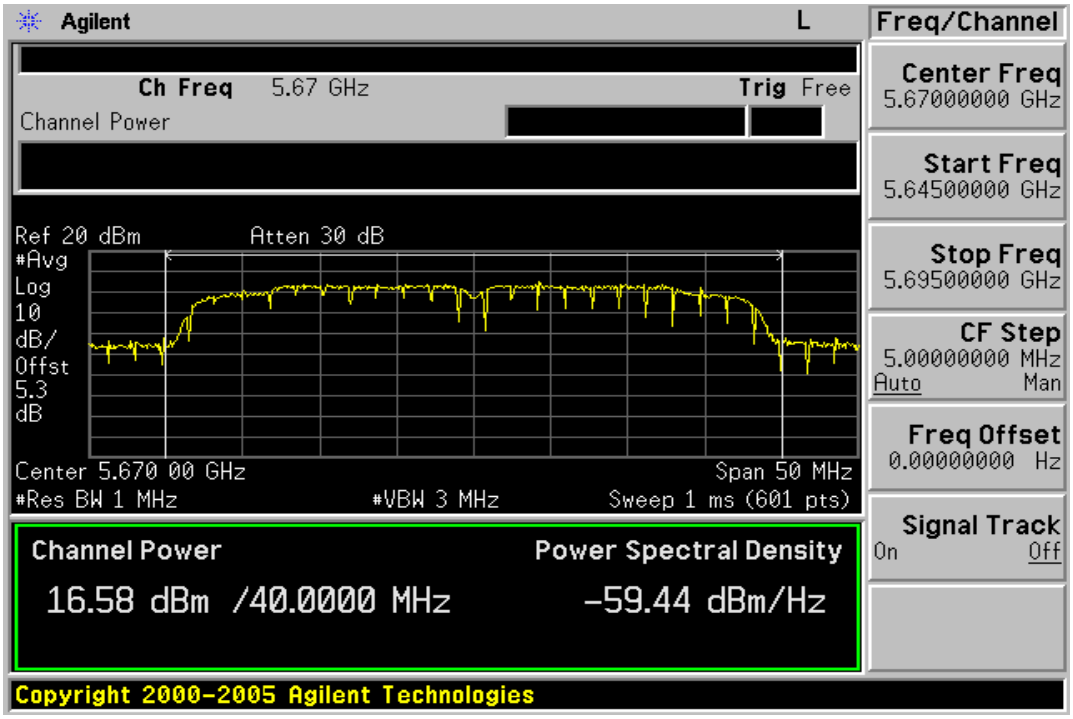
Output Power Data Plot (CH Low 5510 MHz)



Output Power Data Plot (CH High 5590 MHz)



Output Power Data Plot (CH High 5670 MHz)



6. UNDESIRABLE EMISSION - RADIATED MEASUREMENT

6.1 Standard Applicable

According to §15.407(b),

(b) Undesirable Emission Limits: Except as shown in Paragraph (b)(6) of this section, the peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) 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.

(2) 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 -27 dBm/MHz in the 5.15-5.25 GHz band.

(3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.825 GHz band: all emissions 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.

(5) The above emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in Section 15.207.

(7) The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

According to RSS-210 A9.3

1. For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.
2. For transmitters operating in the band 5250-5350 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Devices operating in the band 5250-5350 MHz that generate emissions in the band 5150-5250 MHz shall not exceed an out-of-band emission limit of -27 dBm/MHz e.i.r.p. in the band 5150-5250 MHz in order to operate indoor/outdoor, or alternatively shall comply with the spectral power density for operation within the band 5150-5250 MHz and shall be labelled “for indoor use only”.
3. For transmitters operating in the band 5470-5725 MHz, all emissions outside that band shall not exceed -27 dBm/MHz e.i.r.p.
4. For transmitters operating in the band 5725-5825 MHz, all emissions within the frequency range from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p. For frequencies more than 10 MHz above or below the band edges, emissions shall not exceed -27 dBm/MHz.

§15.205- RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

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 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	([2])
13.36 - 13.41	322 - 335.4		

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209- RADIATED EMISSION LIMITS: GENERAL REQUIREMENTS

FCC PART 15.209

MEASURING DISTANCE OF 3 METER		
FREQUENCY RANGE (MHz)	FIELD STRENGTH (Microvolts/m)	FIELD STRENGTH (dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

6.2 EUT Setup

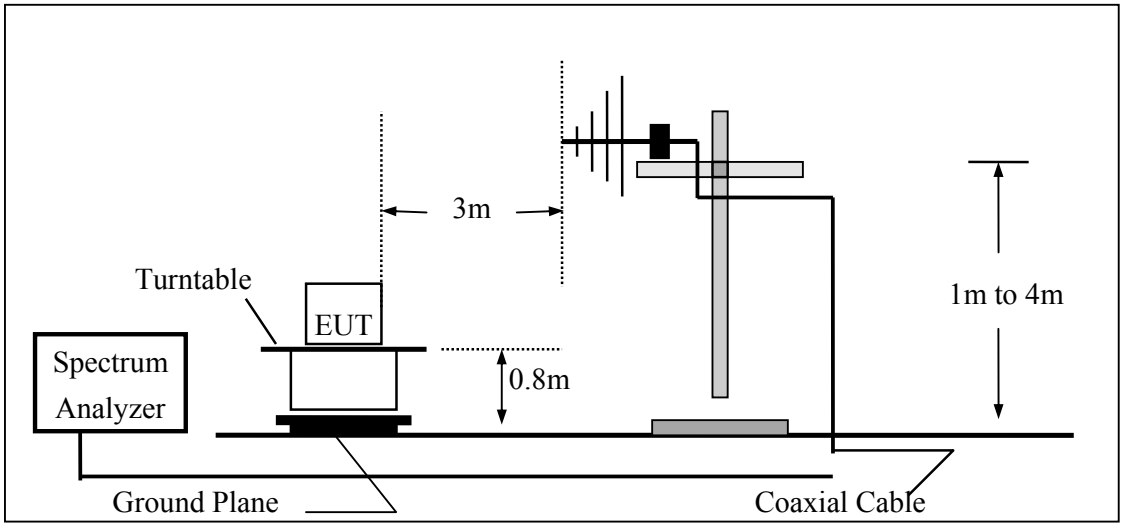
1. The radiated emission tests were performed in the 3 meter open-test site, using the setup in accordance with the ANSI C63.4-1992.
2. The EUT was put in the front of the test table. The host PC system was placed on the center of the back edge on the test table. The peripherals like modem, monitor printer, K/B, and mouse were placed on the side of the host PC system. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
3. The keyboard was placed directly in the front of the monitor, flushed with the front tabletop. The mouse was placed next to the Keyboard, flushed with the back of keyboard.
4. The spacing between the peripherals was 10 centimeters.
5. External I/O cables were draped along the edge of the test table and bundle when necessary.
6. The host PC system was connected with 110Vac/60Hz power source.

6.3 Measurement Procedure

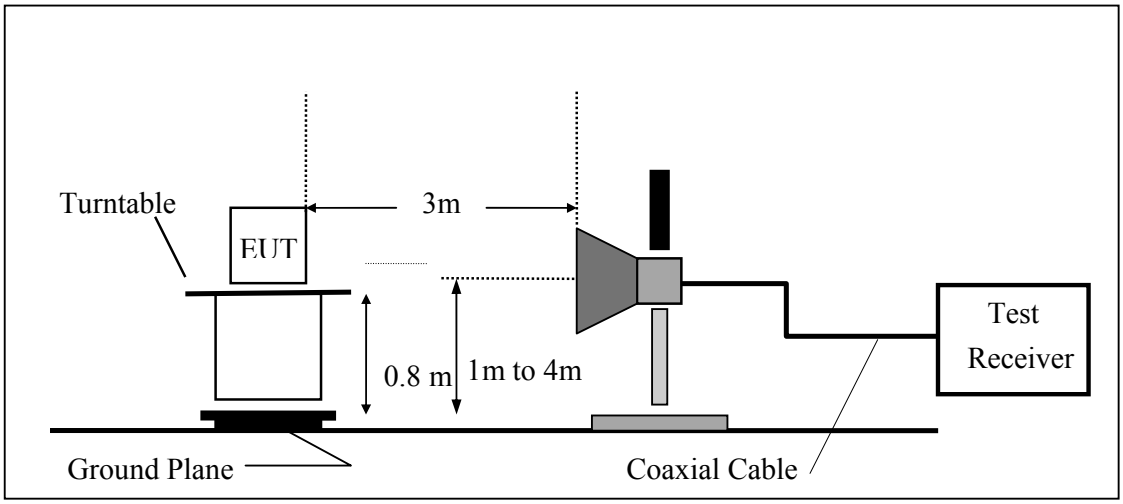
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until all frequency measured were complete.

6.4 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



6.5 Measurement Equipment Used:

966 Chamber					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Spectrum Analyzer	R&S	FSP 40	100034	02/12/2010	02/11/2011
Loop antenna	MESSTEC	FLA30	03/10086	07/08/2009	07/07/2011
Bilog Antenna	SCHWAZBECK	VULB9160	3158	11/29/2009	11/28/2011
Horn antenna	SCHWAZBECK	BBHA 9120D	9120D-673	05/09/2008	05/08/2010
Pre-Amplifier	Agilent	8447D	1937A02834	11/30/2009	11/29/2010
Pre-Amplifier	Agilent	8449B	3008A01973	01/05/2010	01/04/2011
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	01/05/2010	01/04/2011
Low Loss Cable	HUBER+SUHNER	SUCOFLEX 104PEA-3M	3m	01/05/2010	01/04/2011
3m Site	SGS	966 chamber	N/A	11/08/2009	11/09/2011

6.6 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	

6.7 Measurement Result

Refer to attach tabular data sheets.

NOTE:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 100kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.

5150~5250 MHz

Radiated Spurious Emission Measurement Result (below 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
77.53	V	Peak	59.06	-30.53	28.53	40.00	-11.47
167.74	V	Peak	57.14	-27.76	29.38	43.50	-14.12
198.78	V	Peak	60.05	-31.30	28.75	43.50	-14.75
216.24	V	Peak	59.77	-30.90	28.87	46.00	-17.13
264.74	V	Peak	57.91	-29.48	28.43	46.00	-17.57
431.58	V	Peak	53.11	-25.29	27.82	46.00	-18.18
133.79	H	Peak	51.32	-28.02	23.30	43.50	-20.20
167.74	H	Peak	56.82	-27.76	29.06	43.50	-14.44
198.78	H	Peak	59.95	-31.30	28.65	43.50	-14.85
216.24	H	Peak	55.75	-30.90	24.85	46.00	-21.15
264.74	H	Peak	56.91	-29.48	27.43	46.00	-18.57
455.83	H	Peak	49.40	-24.95	24.45	46.00	-21.55

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5220MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.35	-26.67	27.68	40.00	-12.32
167.74	V	Peak	56.99	-27.76	29.23	43.50	-14.27
198.78	V	Peak	60.12	-31.30	28.82	43.50	-14.68
216.24	V	Peak	58.65	-30.90	27.75	46.00	-18.25
264.74	V	Peak	58.09	-29.48	28.61	46.00	-17.39
431.58	V	Peak	51.55	-25.29	26.26	46.00	-19.74
43.58	H	Peak	49.79	-25.76	24.03	40.00	-15.97
167.74	H	Peak	56.97	-27.76	29.21	43.50	-14.29
198.78	H	Peak	59.05	-31.30	27.75	43.50	-15.75
216.24	H	Peak	55.63	-30.90	24.73	46.00	-21.27
264.74	H	Peak	55.49	-29.48	26.01	46.00	-19.99
444.19	H	Peak	49.95	-25.15	24.80	46.00	-21.20

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.82	-26.67	28.15	40.00	-11.85
167.74	V	Peak	56.73	-27.76	28.97	43.50	-14.53
198.78	V	Peak	60.20	-31.30	28.90	43.50	-14.60
216.24	V	Peak	59.69	-30.90	28.79	46.00	-17.21
264.74	V	Peak	58.77	-29.48	29.29	46.00	-16.71
431.58	V	Peak	52.42	-25.29	27.13	46.00	-18.87
133.79	H	Peak	52.34	-28.02	24.32	43.50	-19.18
166.77	H	Peak	55.65	-27.57	28.08	43.50	-15.42
198.78	H	Peak	58.66	-31.30	27.36	43.50	-16.14
216.24	H	Peak	55.65	-30.90	24.75	46.00	-21.25
264.74	H	Peak	56.13	-29.48	26.65	46.00	-19.35
431.58	H	Peak	49.55	-25.29	24.26	46.00	-21.74

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT20, Comp

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.16	-26.67	28.49	40.00	-11.51
167.74	V	Peak	54.97	-27.76	27.21	43.50	-16.29
198.78	V	Peak	59.14	-31.30	27.84	43.50	-15.66
216.24	V	Peak	59.35	-30.90	28.45	46.00	-17.55
264.74	V	Peak	57.00	-29.48	27.52	46.00	-18.48
431.58	V	Peak	51.38	-25.29	26.09	46.00	-19.91
133.79	H	Peak	52.67	-28.02	24.65	43.50	-18.85
167.74	H	Peak	56.82	-27.76	29.06	43.50	-14.44
198.78	H	Peak	59.93	-31.30	28.63	43.50	-14.87
216.24	H	Peak	55.64	-30.90	24.74	46.00	-21.26
264.74	H	Peak	56.66	-29.48	27.18	46.00	-18.82
455.83	H	Peak	48.56	-24.95	23.61	46.00	-22.39

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5220MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.17	-26.67	28.50	40.00	-11.50
167.74	V	Peak	54.01	-27.76	26.25	43.50	-17.25
198.78	V	Peak	60.26	-31.30	28.96	43.50	-14.54
216.24	V	Peak	58.53	-30.90	27.63	46.00	-18.37
266.68	V	Peak	58.95	-29.41	29.54	46.00	-16.46
434.49	V	Peak	52.03	-25.24	26.79	46.00	-19.21
133.79	H	Peak	52.65	-28.02	24.63	43.50	-18.87
167.74	H	Peak	55.56	-27.76	27.80	43.50	-15.70
198.78	H	Peak	58.79	-31.30	27.49	43.50	-16.01
216.24	H	Peak	55.64	-30.90	24.74	46.00	-21.26
264.74	H	Peak	56.27	-29.48	26.79	46.00	-19.21
473.29	H	Peak	49.00	-25.01	23.99	46.00	-22.01

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.74	-26.67	28.07	40.00	-11.93
167.74	V	Peak	55.18	-27.76	27.42	43.50	-16.08
198.78	V	Peak	59.28	-31.30	27.98	43.50	-15.52
216.24	V	Peak	58.61	-30.90	27.71	46.00	-18.29
264.74	V	Peak	58.64	-29.48	29.16	46.00	-16.84
431.58	V	Peak	51.31	-25.29	26.02	46.00	-19.98
133.79	H	Peak	52.65	-28.02	24.63	43.50	-18.87
167.74	H	Peak	55.56	-27.76	27.80	43.50	-15.70
198.78	H	Peak	58.79	-31.30	27.49	43.50	-16.01
216.24	H	Peak	55.64	-30.90	24.74	46.00	-21.26
264.74	H	Peak	56.77	-29.48	27.29	46.00	-18.71
431.58	H	Peak	49.00	-25.29	23.71	46.00	-22.29

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT40, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5190MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.45	-26.67	28.78	40.00	-11.22
167.74	V	Peak	55.06	-27.76	27.30	43.50	-16.20
198.78	V	Peak	59.35	-31.30	28.05	43.50	-15.45
216.24	V	Peak	58.06	-30.90	27.16	46.00	-18.84
264.74	V	Peak	56.00	-29.48	26.52	46.00	-19.48
431.58	V	Peak	51.78	-25.29	26.49	46.00	-19.51
133.79	H	Peak	52.52	-28.02	24.50	43.50	-19.00
167.74	H	Peak	54.35	-27.57	26.78	43.50	-16.72
198.78	H	Peak	58.93	-31.30	27.63	43.50	-15.87
216.24	H	Peak	55.87	-30.90	24.97	46.00	-21.03
264.74	H	Peak	56.31	-29.48	26.83	46.00	-19.17
455.83	H	Peak	48.95	-24.95	24.00	46.00	-22.00

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5230MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.55	-26.67	28.88	40.00	-11.12
167.74	V	Peak	56.50	-27.76	28.74	43.50	-14.76
198.78	V	Peak	61.42	-31.30	30.12	43.50	-13.38
216.24	V	Peak	60.80	-30.90	29.90	46.00	-16.10
264.74	V	Peak	59.26	-29.48	29.78	46.00	-16.22
431.58	V	Peak	51.16	-25.29	25.87	46.00	-20.13
133.79	H	Peak	53.05	-28.02	25.03	43.50	-18.47
167.74	H	Peak	55.85	-27.76	28.09	43.50	-15.41
198.78	H	Peak	59.12	-31.30	27.82	43.50	-15.68
216.24	H	Peak	55.48	-30.90	24.58	46.00	-21.42
264.74	H	Peak	56.61	-29.48	27.13	46.00	-18.87
455.83	H	Peak	49.21	-24.95	24.26	46.00	-21.74

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

5250~5350 MHz

Radiated Spurious Emission Measurement Result (below 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.76	-26.67	28.09	40.00	-11.91
77.53	V	Peak	58.33	-30.53	27.80	40.00	-12.20
167.74	V	Peak	55.98	-27.76	28.22	43.50	-15.28
198.78	V	Peak	60.02	-31.30	28.72	43.50	-14.78
216.24	V	Peak	58.41	-30.90	27.51	46.00	-18.49
264.74	V	Peak	58.39	-29.48	28.91	46.00	-17.09
133.79	H	Peak	51.77	-28.02	23.75	43.50	-19.75
167.74	H	Peak	55.64	-27.76	27.88	43.50	-15.62
198.78	H	Peak	58.76	-31.30	27.46	43.50	-16.04
216.24	H	Peak	56.18	-30.90	25.28	46.00	-20.72
264.74	H	Peak	56.70	-29.48	27.22	46.00	-18.78
431.58	H	Peak	48.91	-25.29	23.62	46.00	-22.38

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
77.53	V	Peak	59.03	-30.53	28.50	40.00	-11.50
167.74	V	Peak	56.20	-27.76	28.44	43.50	-15.06
198.78	V	Peak	60.19	-31.30	28.89	43.50	-14.61
216.24	V	Peak	58.96	-30.90	28.06	46.00	-17.94
264.74	V	Peak	57.62	-29.48	28.14	46.00	-17.86
431.58	V	Peak	53.02	-25.29	27.73	46.00	-18.27
133.79	H	Peak	52.63	-28.02	24.61	43.50	-18.89
167.74	H	Peak	55.81	-27.76	28.05	43.50	-15.45
198.78	H	Peak	58.86	-31.30	27.56	43.50	-15.94
216.24	H	Peak	55.84	-30.90	24.94	46.00	-21.06
264.74	H	Peak	54.89	-29.48	25.41	46.00	-20.59
455.83	H	Peak	49.44	-24.95	24.49	46.00	-21.51

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.77	-26.67	28.10	40.00	-11.90
167.74	V	Peak	55.27	-27.76	27.51	43.50	-15.99
198.78	V	Peak	60.21	-31.30	28.91	43.50	-14.59
216.24	V	Peak	58.98	-30.90	28.08	46.00	-17.92
266.68	V	Peak	58.92	-29.41	29.51	46.00	-16.49
444.19	V	Peak	52.33	-25.15	27.18	46.00	-18.82
133.79	H	Peak	52.43	-28.02	24.41	43.50	-19.09
167.74	H	Peak	55.57	-27.76	27.81	43.50	-15.69
198.78	H	Peak	59.95	-31.30	28.65	43.50	-14.85
216.24	H	Peak	55.69	-30.90	24.79	46.00	-21.21
264.74	H	Peak	56.35	-29.48	26.87	46.00	-19.13
455.83	H	Peak	48.54	-24.95	23.59	46.00	-22.41

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT20, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.71	-26.67	28.04	40.00	-11.96
77.53	V	Peak	57.22	-30.53	26.69	40.00	-13.31
167.74	V	Peak	55.73	-27.76	27.97	43.50	-15.53
198.78	V	Peak	59.19	-31.30	27.89	43.50	-15.61
216.24	V	Peak	58.61	-30.90	27.71	46.00	-18.29
264.74	V	Peak	58.57	-29.48	29.09	46.00	-16.91
133.79	H	Peak	52.45	-28.02	24.43	43.50	-19.07
167.74	H	Peak	53.68	-27.57	26.11	43.50	-17.39
198.78	H	Peak	58.95	-31.30	27.65	43.50	-15.85
216.24	H	Peak	55.71	-30.90	24.81	46.00	-21.19
264.74	H	Peak	56.53	-29.48	27.05	46.00	-18.95
455.83	H	Peak	49.41	-25.15	24.26	46.00	-21.74

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.63	-26.67	28.96	40.00	-11.04
167.74	V	Peak	56.03	-27.76	28.27	43.50	-15.23
198.78	V	Peak	60.21	-31.30	28.91	43.50	-14.59
216.24	V	Peak	60.52	-30.90	29.62	46.00	-16.38
264.74	V	Peak	58.58	-29.41	29.17	46.00	-16.83
431.58	V	Peak	52.00	-25.24	26.76	46.00	-19.24
133.79	H	Peak	52.06	-28.02	24.04	43.50	-19.46
167.74	H	Peak	56.18	-27.76	28.42	43.50	-15.08
198.78	H	Peak	58.82	-31.30	27.52	43.50	-15.98
216.24	H	Peak	55.57	-30.90	24.67	46.00	-21.33
264.74	H	Peak	56.60	-29.48	27.12	46.00	-18.88
455.83	H	Peak	48.79	-25.01	23.78	46.00	-22.22

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.16	-26.67	27.49	40.00	-12.51
166.77	V	Peak	55.05	-27.76	27.29	43.50	-16.21
198.78	V	Peak	58.46	-31.30	27.16	43.50	-16.34
216.24	V	Peak	58.27	-30.90	27.37	46.00	-18.63
264.74	V	Peak	55.61	-29.48	26.13	46.00	-19.87
431.58	V	Peak	51.25	-25.29	25.96	46.00	-20.04
133.79	H	Peak	51.19	-28.02	23.17	43.50	-20.33
167.74	H	Peak	55.03	-27.76	27.27	43.50	-16.23
198.78	H	Peak	58.65	-31.30	27.35	43.50	-16.15
216.24	H	Peak	55.71	-30.90	24.81	46.00	-21.19
264.74	H	Peak	56.80	-29.48	27.32	46.00	-18.68
455.83	H	Peak	48.52	-24.95	23.57	46.00	-22.43

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT40, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.01	-26.67	28.34	40.00	-11.66
167.74	V	Peak	56.22	-27.76	28.46	43.50	-15.04
198.78	V	Peak	61.08	-31.30	29.78	43.50	-13.72
216.24	V	Peak	60.67	-30.90	29.77	46.00	-16.23
264.74	V	Peak	58.32	-29.48	28.84	46.00	-17.16
431.58	V	Peak	52.07	-25.29	26.78	46.00	-19.22
133.79	H	Peak	51.63	-28.02	23.61	43.50	-19.89
167.74	H	Peak	55.88	-27.76	28.12	43.50	-15.38
198.78	H	Peak	58.89	-31.30	27.59	43.50	-15.91
216.24	H	Peak	55.15	-30.90	24.25	46.00	-21.75
264.74	H	Peak	56.60	-29.48	27.12	46.00	-18.88
455.83	H	Peak	48.68	-24.95	23.73	46.00	-22.27

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5310MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.84	-26.67	28.17	40.00	-11.83
167.74	V	Peak	56.30	-27.76	28.54	43.50	-14.96
198.78	V	Peak	61.18	-31.30	29.88	43.50	-13.62
216.24	V	Peak	60.62	-30.90	29.72	46.00	-16.28
264.74	V	Peak	59.32	-29.48	29.84	46.00	-16.16
431.58	V	Peak	52.36	-25.29	27.07	46.00	-18.93
167.74	H	Peak	55.74	-27.76	27.98	43.50	-15.52
198.78	H	Peak	59.64	-31.30	28.34	43.50	-15.16
216.24	H	Peak	56.84	-30.90	25.94	46.00	-20.06
264.74	H	Peak	56.75	-29.48	27.27	46.00	-18.73
455.83	H	Peak	49.17	-24.95	24.22	46.00	-21.78

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

5470~5725 MHz

Radiated Spurious Emission Measurement Result (below 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.53	-26.67	27.86	40.00	-12.14
167.74	V	Peak	56.10	-27.76	28.34	43.50	-15.16
198.78	V	Peak	60.82	-31.30	29.52	43.50	-13.98
216.24	V	Peak	60.75	-30.90	29.85	46.00	-16.15
264.74	V	Peak	59.10	-29.48	29.62	46.00	-16.38
431.58	V	Peak	51.17	-25.29	25.88	46.00	-20.12
133.79	H	Peak	51.57	-28.02	23.55	43.50	-19.95
167.74	H	Peak	55.19	-27.76	27.43	43.50	-16.07
198.78	H	Peak	58.69	-31.30	27.39	43.50	-16.11
216.24	H	Peak	56.20	-30.90	25.30	46.00	-20.70
264.74	H	Peak	56.34	-29.48	26.86	46.00	-19.14
455.83	H	Peak	49.09	-24.95	24.14	46.00	-21.86

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.27	-26.67	28.60	40.00	-11.40
167.74	V	Peak	56.13	-27.76	28.37	43.50	-15.13
198.78	V	Peak	61.88	-31.30	30.58	43.50	-12.92
216.24	V	Peak	59.68	-30.90	28.78	46.00	-17.22
240.49	V	Peak	57.52	-29.89	27.63	46.00	-18.37
264.74	V	Peak	58.55	-29.48	29.07	46.00	-16.93
133.79	H	Peak	51.41	-28.02	23.39	43.50	-20.11
167.74	H	Peak	55.92	-27.76	28.16	43.50	-15.34
198.78	H	Peak	59.87	-31.30	28.57	43.50	-14.93
216.24	H	Peak	55.76	-30.90	24.86	46.00	-21.14
264.74	H	Peak	57.32	-29.48	27.84	46.00	-18.16
455.83	H	Peak	49.10	-24.95	24.15	46.00	-21.85

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.78	-26.67	28.11	40.00	-11.89
167.74	V	Peak	56.28	-27.76	28.52	43.50	-14.98
198.78	V	Peak	60.99	-31.30	29.69	43.50	-13.81
216.24	V	Peak	60.30	-30.90	29.40	46.00	-16.60
264.74	V	Peak	58.86	-29.48	29.38	46.00	-16.62
431.58	V	Peak	51.73	-25.29	26.44	46.00	-19.56
133.79	H	Peak	52.20	-28.02	24.18	43.50	-19.32
167.74	H	Peak	55.97	-27.76	28.21	43.50	-15.29
198.78	H	Peak	58.94	-31.30	27.64	43.50	-15.86
216.24	H	Peak	55.67	-30.90	24.77	46.00	-21.23
264.74	H	Peak	57.13	-29.48	27.65	46.00	-18.35
455.83	H	Peak	49.44	-24.95	24.49	46.00	-21.51

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT20, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
167.74	V	Peak	56.77	-27.76	29.01	43.50	-14.49
198.78	V	Peak	60.51	-31.30	29.21	43.50	-14.29
216.24	V	Peak	60.51	-30.90	29.61	46.00	-16.39
264.74	V	Peak	59.09	-29.48	29.61	46.00	-16.39
431.58	V	Peak	51.83	-25.29	26.54	46.00	-19.46
552.83	V	Peak	50.30	-23.68	26.62	46.00	-19.38
133.79	H	Peak	51.91	-28.02	23.89	43.50	-19.61
167.74	H	Peak	55.19	-27.76	27.43	43.50	-16.07
198.78	H	Peak	58.77	-31.30	27.47	43.50	-16.03
216.24	H	Peak	55.46	-30.90	24.56	46.00	-21.44
264.74	H	Peak	58.03	-29.48	28.55	46.00	-17.45
455.83	H	Peak	49.48	-24.95	24.53	46.00	-21.47

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.86	-26.67	28.19	40.00	-11.81
167.74	V	Peak	55.87	-27.76	28.11	43.50	-15.39
198.78	V	Peak	61.10	-31.30	29.80	43.50	-13.70
216.24	V	Peak	60.52	-30.90	29.62	46.00	-16.38
264.74	V	Peak	58.89	-29.48	29.41	46.00	-16.59
431.58	V	Peak	51.31	-25.29	26.02	46.00	-19.98
133.79	H	Peak	52.01	-28.02	23.99	43.50	-19.51
167.74	H	Peak	55.78	-27.76	28.02	43.50	-15.48
198.78	H	Peak	58.80	-31.30	27.50	43.50	-16.00
216.24	H	Peak	56.18	-30.90	25.28	46.00	-20.72
264.74	H	Peak	57.09	-29.48	27.61	46.00	-18.39
455.83	H	Peak	49.35	-25.29	24.06	46.00	-21.94

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	55.50	-26.67	28.83	40.00	-11.17
167.74	V	Peak	54.99	-27.76	27.23	43.50	-16.27
198.78	V	Peak	60.01	-31.30	28.71	43.50	-14.79
216.24	V	Peak	58.53	-30.90	27.63	46.00	-18.37
264.74	V	Peak	58.69	-29.48	29.21	46.00	-16.79
133.79	H	Peak	52.65	-28.02	24.63	43.50	-18.87
167.74	H	Peak	55.61	-27.76	27.85	43.50	-15.65
198.78	H	Peak	59.07	-31.30	27.77	43.50	-15.73
216.24	H	Peak	55.55	-30.90	24.65	46.00	-21.35
264.74	H	Peak	56.62	-29.48	27.14	46.00	-18.86
431.58	H	Peak	49.37	-25.29	24.08	46.00	-21.92

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz) UNII HT40, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5510MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.85	-26.67	28.18	40.00	-11.82
167.74	V	Peak	56.22	-27.76	28.46	43.50	-15.04
198.78	V	Peak	60.15	-31.30	28.85	43.50	-14.65
216.24	V	Peak	58.93	-30.90	28.03	46.00	-17.97
264.74	V	Peak	58.56	-29.48	29.08	46.00	-16.92
473.29	V	Peak	51.98	-25.01	26.97	46.00	-19.03
167.74	H	Peak	55.85	-27.76	28.09	43.50	-15.41
198.78	H	Peak	58.68	-31.30	27.38	43.50	-16.12
216.24	H	Peak	56.08	-30.90	25.18	46.00	-20.82
264.74	H	Peak	55.29	-29.48	25.81	46.00	-20.19
431.58	H	Peak	48.71	-25.29	23.42	46.00	-22.58
455.83	H	Peak	48.50	-24.95	23.55	46.00	-22.45

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.76	-26.67	28.09	40.00	-11.91
167.74	V	Peak	56.52	-27.76	28.76	43.50	-14.74
198.78	V	Peak	61.11	-31.30	29.81	43.50	-13.69
216.24	V	Peak	59.78	-30.90	28.88	46.00	-17.12
264.74	V	Peak	58.76	-29.48	29.28	46.00	-16.72
431.58	V	Peak	52.73	-25.29	27.44	46.00	-18.56
133.79	H	Peak	51.80	-28.02	23.78	43.50	-19.72
167.74	H	Peak	56.12	-27.76	28.36	43.50	-15.14
198.78	H	Peak	58.91	-31.30	27.61	43.50	-15.89
216.24	H	Peak	55.61	-30.90	24.71	46.00	-21.29
264.74	H	Peak	56.88	-29.48	27.40	46.00	-18.60
455.83	H	Peak	49.03	-24.95	24.08	46.00	-21.92

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5670MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	54.86	-26.67	28.19	40.00	-11.81
167.74	V	Peak	57.16	-27.76	29.40	43.50	-14.10
198.78	V	Peak	59.96	-31.30	28.66	43.50	-14.84
216.24	V	Peak	59.65	-30.90	28.75	46.00	-17.25
264.74	V	Peak	57.09	-29.48	27.61	46.00	-18.39
431.58	V	Peak	52.30	-25.29	27.01	46.00	-18.99
167.74	H	Peak	55.79	-27.76	28.03	43.50	-15.47
198.78	H	Peak	58.92	-31.30	27.62	43.50	-15.88
216.24	H	Peak	55.80	-30.90	24.90	43.50	-18.60
264.74	H	Peak	56.66	-29.48	27.18	46.00	-18.82
441.28	H	Peak	52.08	-25.20	26.88	46.00	-19.12
455.83	H	Peak	49.34	-24.95	24.39	46.00	-21.61

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

5150 ~ 5250MHz(above 1GHz)

Radiated Spurious Emission Measurement Result (above 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.62	---	-15.16	38.46	---	74.00	54.00	-15.54	Peak
10360.0	33.73	---	7.29	41.02	---	75.00	54.00	-12.98	Peak
15540.0	----					74.00	54.00		
20720.0	----					74.00	54.00		
25900.0	----					74.00	54.00		
31080.0	----					74.00	54.00		
36260.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	48.75	---	-14.37	34.38	---	74.00	54.00	-19.62	Peak
10360.0	33.52	---	7.29	40.81	---	74.00	54.00	-13.19	Peak
15540.0	----					74.00	54.00		
20720.0	----					74.00	54.00		
25900.0	----					74.00	54.00		
31080.0	----					74.00	54.00		
36260.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5200MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1550.5	50.55	---	-14.37	36.18	---	74.00	54.00	-17.82	Peak
10400.0	33.99	---	7.40	41.39	---	74.00	54.00	-12.61	Peak
15600.0	----					74.00	54.00		
20800.0	----					74.00	54.00		
26000.0	----					74.00	54.00		
31200.0	----					74.00	54.00		
36400.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5200MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	48.37	---	-14.37	34.00	---	74.00	54.00	-20.00	Peak
10400.0	34.07	---	7.40	41.47	---	75.00	54.00	-12.53	Peak
15600.0	----					74.00	54.00		
20800.0	----					74.00	54.00		
26000.0	----					74.00	54.00		
31200.0	----					74.00	54.00		
36400.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.93	---	-14.37	35.56	---	74.00	54.00	-18.44	Peak
10480.0	33.26	---	7.60	40.86	---	74.00	54.00	-13.14	Peak
15720.0	----					74.00	54.00		
20960.0	----					74.00	54.00		
26200.0	----					74.00	54.00		
31440.0	----					74.00	54.00		
36680.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	48.44	---	-14.37	34.07	---	74.00	54.00	-19.93	Peak
10480.0	33.59	---	7.60	41.19	---	74.00	54.00	-12.81	Peak
15720.0	----					74.00	54.00		
20960.0	----					74.00	54.00		
26200.0	----					74.00	54.00		
31440.0	----					74.00	54.00		
36680.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT20, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	50.12	---	-14.37	35.75	---	74.00	54.00	-18.25	Peak
10360.0	33.08	---	7.29	40.37	---	75.00	54.00	-13.63	Peak
15540.0	----					74.00	54.00		
20720.0	----					74.00	54.00		
25900.0	----					74.00	54.00		
31080.0	----					74.00	54.00		
36260.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1565.5	41.24	---	-14.09	27.15	---	74.00	54.00	-26.85	Peak
10360.0	33.27	---	7.29	40.56	---	74.00	54.00	-13.44	Peak
15540.0	----					74.00	54.00		
20720.0	----					74.00	54.00		
25900.0	----					74.00	54.00		
31080.0	----					74.00	54.00		
36260.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5200MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	50.75	---	-14.37	36.38	---	74.00	54.00	-17.62	Peak
10440.0	----					74.00	54.00		
15660.0	----					74.00	54.00		
20880.0	----					74.00	54.00		
26100.0	----					74.00	54.00		
31320.0	----					74.00	54.00		
36540.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5200MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	48.37	---	-14.37	34.00	---	74.00	54.00	-20.00	Peak
10440.0	34.29	---	7.40	41.69	---	75.00	54.00	-12.31	Peak
15660.0	----					74.00	54.00		
20880.0	----					74.00	54.00		
26100.0	----					74.00	54.00		
31320.0	----					74.00	54.00		
36540.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	47.80	---	-15.16	32.64	---	74.00	54.00	-21.36	Peak
10480.0	34.00	---	7.60	41.60	---	74.00	54.00	-12.40	Peak
15720.0	----					74.00	54.00		
20960.0	----					74.00	54.00		
26200.0	----					74.00	54.00		
31440.0	----					74.00	54.00		
36680.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5240MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	49.23	---	-15.16	34.07	---	74.00	54.00	-19.93	Peak
10480.0	34.31	---	7.60	41.91	---	74.00	54.00	-12.09	Peak
15720.0	----					74.00	54.00		
20960.0	----					74.00	54.00		
26200.0	----					74.00	54.00		
31440.0	----					74.00	54.00		
36680.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT40, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5190MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.84	---	-15.16	37.68	---	74.00	54.00	-16.32	Peak
10380.0	33.44	---	7.34	40.78	---	74.00	54.00	-13.22	Peak
15570.0	----					74.00	54.00		
20760.0	----					74.00	54.00		
25950.0	----					74.00	54.00		
31140.0	----					74.00	54.00		
36330.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5190MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	46.60	---	-14.37	32.23	---	74.00	54.00	-21.77	Peak
10380.0	33.61	---	7.34	40.95	---	74.00	54.00	-13.05	Peak
15570.0	----					74.00	54.00		
20760.0	----					74.00	54.00		
25950.0	----					74.00	54.00		
31140.0	----					74.00	54.00		
36330.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5230MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.96	---	-15.16	37.80	---	74.00	54.00	-16.20	Peak
10460.0	32.96	---	7.52	40.48	---	74.00	54.00	-13.52	Peak
15690.0	----					74.00	54.00		
20920.0	----					74.00	54.00		
26150.0	----					74.00	54.00		
31380.0	----					74.00	54.00		
36610.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5230MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	46.94	---	-15.16	31.78	---	74.00	54.00	-22.22	Peak
10460.0	32.41	---	7.52	39.93	---	74.00	54.00	-14.07	Peak
15690.0	----					74.00	54.00		
20920.0	----					74.00	54.00		
26150.0	----					74.00	54.00		
31380.0	----					74.00	54.00		
36610.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

5250 ~ 5350MHz(above 1GHz)

Radiated Spurious Emission Measurement Result (above 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.84	---	-15.16	38.68	---	74.00	54.00	-15.32	Peak
10520.0	32.53	---	7.67	40.20	---	75.00	54.00	-13.80	Peak
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					74.00	54.00		
31560.0	----					74.00	54.00		
36820.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	47.83	---	-14.37	33.46	---	74.00	54.00	-20.54	Peak
10520.0	33.55	---	7.67	41.22	---	74.00	54.00	-12.78	Peak
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					74.00	54.00		
31560.0	----					74.00	54.00		
36820.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.96	---	-15.16	38.80	---	74.00	54.00	-15.20	Peak
10560.0	33.32	---	7.72	41.04	---	74.00	54.00	-12.96	Peak
15840.0	----					74.00	54.00		
21120.0	----					74.00	54.00		
26400.0	----					74.00	54.00		
31680.0	----					74.00	54.00		
36960.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	47.27	---	-14.37	32.90	---	74.00	54.00	-21.10	Peak
10560.0	33.17	---	7.72	40.89	---	75.00	54.00	-13.11	Peak
15840.0	----					74.00	54.00		
21120.0	----					74.00	54.00		
26400.0	----					74.00	54.00		
31680.0	----					74.00	54.00		
36960.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	50.14	---	-14.37	35.77	---	74.00	54.00	-18.23	Peak
10640.0	33.22	---	7.84	41.06	---	74.00	54.00	-12.94	Peak
15960.0	----					74.00	54.00		
21280.0	----					74.00	54.00		
26600.0	----					74.00	54.00		
31920.0	----					74.00	54.00		
37240.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	48.44	---	-14.37	34.07	---	74.00	54.00	-19.93	Peak
10640.0	33.89	---	7.64	41.53	---	74.00	54.00	-12.47	Peak
15960.0	----					74.00	54.00		
21280.0	----					74.00	54.00		
26600.0	----					74.00	54.00		
31920.0	----					74.00	54.00		
37240.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT20, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.83	---	-15.16	38.67	---	74.00	54.00	-15.33	Peak
10520.0	33.08	---	7.29	40.37	---	75.00	54.00	-13.63	Peak
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					74.00	54.00		
31560.0	----					74.00	54.00		
36820.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	47.44	---	-14.37	33.07	---	74.00	54.00	-20.93	Peak
10520.0	34.04	---	7.67	41.71	---	74.00	54.00	-12.29	Peak
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					74.00	54.00		
31560.0	----					74.00	54.00		
36820.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.80	---	-15.16	38.64	---	74.00	54.00	-15.36	Peak
10560.0	32.86	---	7.72	40.58	---	74.00	54.00	-13.42	Peak
15840.0	----					74.00	54.00		
21120.0	----					74.00	54.00		
26400.0	----					74.00	54.00		
31680.0	----					74.00	54.00		
36960.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5280MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1351.0	46.95	---	-14.83	32.12	---	74.00	54.00	-21.88	Peak
10560.0	31.99	---	7.72	39.71	---	75.00	54.00	-14.29	Peak
15840.0	----					74.00	54.00		
21120.0	----					74.00	54.00		
26400.0	----					74.00	54.00		
31680.0	----					74.00	54.00		
36960.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.80	---	-14.37	35.43	---	74.00	54.00	-18.57	Peak
10640.0	33.28	---	7.84	41.12	---	74.00	54.00	-12.88	Peak
15960.0	----					74.00	54.00		
21280.0	----					74.00	54.00		
26600.0	----					74.00	54.00		
31920.0	----					74.00	54.00		
37240.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	47.75	---	-14.37	33.38	---	74.00	54.00	-20.62	Peak
10640.0	33.19	---	7.84	41.03	---	74.00	54.00	-12.97	Peak
15960.0	----					74.00	54.00		
21280.0	----					74.00	54.00		
26600.0	----					74.00	54.00		
31920.0	----					74.00	54.00		
37240.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT40, Comp

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.22	---	-15.16	37.06	---	74.00	54.00	-16.94	Peak
10540.0	33.13	---	7.69	40.82	---	74.00	54.00	-13.18	Peak
15810.0	----					74.00	54.00		
21080.0	----					74.00	54.00		
26350.0	----					74.00	54.00		
31620.0	----					74.00	54.00		
36890.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	46.46	---	-14.37	32.09	---	74.00	54.00	-21.91	Peak
10540.0	33.63	---	7.69	41.32	---	74.00	54.00	-12.68	Peak
15810.0	----					74.00	54.00		
21080.0	----					74.00	54.00		
26350.0	----					74.00	54.00		
31620.0	----					74.00	54.00		
36890.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5310MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.33	---	-15.16	37.17	---	74.00	54.00	-16.83	Peak
10620.0	32.56	---	7.81	40.37	---	74.00	54.00	-13.63	Peak
15930.0	----					74.00	54.00		
21240.0	----					74.00	54.00		
26550.0	----					74.00	54.00		
31860.0	----					74.00	54.00		
37170.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5310MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	46.86	---	-15.16	31.70	---	74.00	54.00	-22.30	Peak
10620.0	33.73	---	7.81	41.54	---	74.00	54.00	-12.46	Peak
15930.0	----					74.00	54.00		
21240.0	----					74.00	54.00		
26550.0	----					74.00	54.00		
31860.0	----					74.00	54.00		
37170.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

5470 ~ 5725MHz(above 1GHz)

Radiated Spurious Emission Measurement Result (above 1GHz) UNII

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.95	---	-14.37	35.58	---	74.00	54.00	-18.42	Peak
11000.0	33.98	---	8.37	42.35	---	75.00	54.00	-11.65	Peak
16500.0	----					74.00	54.00		
22000.0	----					74.00	54.00		
27500.0	----					74.00	54.00		
33000.0	----					74.00	54.00		
38500.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	47.72	---	-14.37	33.35	---	74.00	54.00	-20.65	Peak
11000.0	34.53	---	8.37	42.90	---	74.00	54.00	-11.10	Peak
16500.0	----					74.00	54.00		
22000.0	----					74.00	54.00		
27500.0	----					74.00	54.00		
33000.0	----					74.00	54.00		
38500.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	54.26	---	-15.16	39.10	---	74.00	54.00	-14.90	Peak
11200.0	35.15	---	8.56	43.71	---	74.00	54.00	-10.29	Peak
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					74.00	54.00		
33600.0	----					74.00	54.00		
39200.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	47.58	---	-14.37	33.21	---	74.00	54.00	-20.79	Peak
11200.0	33.77	---	8.56	42.33	---	75.00	54.00	-11.67	Peak
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					74.00	54.00		
33600.0	----					74.00	54.00		
39200.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.45	---	-15.16	37.29	---	74.00	54.00	-16.71	Peak
11400.0	39.52	---	8.80	48.32	---	74.00	54.00	-5.68	Peak
17100.0	----					74.00	54.00		
22800.0	----					74.00	54.00		
28500.0	----					74.00	54.00		
39900.0	----					74.00	54.00		
45600.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1351.0	47.16	---	-14.83	32.33	---	74.00	54.00	-21.67	Peak
11400.0	36.18	---	8.80	44.98	---	74.00	54.00	-9.02	Peak
17100.0	----					74.00	54.00		
22800.0	----					74.00	54.00		
28500.0	----					74.00	54.00		
39900.0	----					74.00	54.00		
45600.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT20, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.72	---	-15.16	37.56	---	74.00	54.00	-16.44	Peak
11000.0	33.77	---	8.37	42.14	---	75.00	54.00	-11.86	Peak
16500.0	----					74.00	54.00		
22000.0	----					74.00	54.00		
27500.0	----					74.00	54.00		
33000.0	----					74.00	54.00		
38500.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.08	---	-14.37	30.71	---	74.00	54.00	-23.29	Peak
11000.0	33.14	---	8.37	41.51	---	74.00	54.00	-12.49	Peak
16500.0	----					74.00	54.00		
22000.0	----					74.00	54.00		
27500.0	----					74.00	54.00		
33000.0	----					74.00	54.00		
38500.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.56	---	-14.37	35.19	---	74.00	54.00	-18.81	Peak
11200.0	40.50	---	8.56	49.06	---	74.00	54.00	-4.94	Peak
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					74.00	54.00		
33600.0	----					74.00	54.00		
39200.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.16	---	-14.37	30.79	---	74.00	54.00	-23.21	Peak
11200.0	33.19	---	8.56	41.75	---	75.00	54.00	-12.25	Peak
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					74.00	54.00		
33600.0	----					74.00	54.00		
39200.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	53.24	---	-15.16	38.08	---	74.00	54.00	-15.92	Peak
11400.0	37.25	---	8.80	46.05	---	74.00	54.00	-7.95	Peak
17100.0	----					74.00	54.00		
22800.0	----					74.00	54.00		
28500.0	----					74.00	54.00		
34200.0	----					74.00	54.00		
39900.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.35	---	-14.37	30.98	---	74.00	54.00	-23.02	Peak
11400.0	35.60	---	8.80	44.40	---	74.00	54.00	-9.60	Peak
15720.0	----					74.00	54.00		
22800.0	----					74.00	54.00		
28500.0	----					74.00	54.00		
34200.0	----					74.00	54.00		
39900.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) UNII HT40, Combination

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5510MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	60 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	51.84	---	-15.16	36.68	---	74.00	54.00	-17.32	Peak
11020.0	34.79	---	8.36	43.15	---	74.00	54.00	-10.85	Peak
16530.0	----					74.00	54.00		
22040.0	----					74.00	54.00		
27550.0	----					74.00	54.00		
33060.0	----					74.00	54.00		
38570.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5510MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.13	---	-14.37	30.76	---	74.00	54.00	-23.24	Peak
11020.0	32.85	---	8.36	41.21	---	74.00	54.00	-12.79	Peak
16530.0	----					74.00	54.00		
22040.0	----					74.00	54.00		
27550.0	----					74.00	54.00		
33060.0	----					74.00	54.00		
38570.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.72	---	-14.37	35.35	---	74.00	54.00	-18.65	Peak
11180.0	32.72	---	8.52	41.24	---	74.00	54.00	-12.76	Peak
16770.0	----					74.00	54.00		
22360.0	----					74.00	54.00		
27950.0	----					74.00	54.00		
33540.0	----					74.00	54.00		
39130.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.20	---	-14.37	30.83	---	74.00	54.00	-23.17	Peak
11180.0	36.07	---	8.52	44.59	---	74.00	54.00	-9.41	Peak
16770.0	----					74.00	54.00		
22360.0	----					74.00	54.00		
27950.0	----					74.00	54.00		
33540.0	----					74.00	54.00		
39130.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5670MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1598.0	49.04	---	-13.95	35.09	---	74.00	54.00	-18.91	Peak
11340.0	38.43	---	8.71	47.14	---	74.00	54.00	-6.86	Peak
17010.0	----					74.00	54.00		
22680.0	----					74.00	54.00		
28350.0	----					74.00	54.00		
34020.0	----					74.00	54.00		
39690.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5670MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.66	---	-14.37	31.29	---	74.00	54.00	-22.71	Peak
11340.0	36.46	---	8.71	45.17	---	74.00	54.00	-8.83	Peak
17010.0	----					74.00	54.00		
22680.0	----					74.00	54.00		
28350.0	----					74.00	54.00		
34020.0	----					74.00	54.00		
39690.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

RX

5150~5350 MHz

Radiated Spurious Emission Measurement Result (below 1GHz) Low Channel (Worse case)

Operation Mode	RX - UNII	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	52.88	-26.67	26.21	40.00	-13.79
167.74	V	Peak	55.98	-27.76	28.22	43.50	-15.28
198.78	V	Peak	59.19	-31.30	27.89	43.50	-15.61
216.24	V	Peak	59.27	-30.90	28.37	46.00	-17.63
264.74	V	Peak	57.03	-29.48	27.55	46.00	-18.45
431.58	V	Peak	49.97	-25.29	24.68	46.00	-21.32
43.58	H	Peak	48.88	-25.76	23.12	40.00	-16.88
167.74	H	Peak	53.90	-27.76	26.14	43.50	-17.36
198.78	H	Peak	58.30	-31.30	27.00	43.50	-16.50
216.24	H	Peak	54.34	-30.90	23.44	46.00	-22.56
264.74	H	Peak	54.51	-29.48	25.03	46.00	-20.97
455.83	H	Peak	47.84	-24.95	22.89	46.00	-23.11

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	RX CH Low – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	61.68	-26.67	35.01	40.00	-4.99
167.74	V	Peak	68.51	-28.27	40.24	43.50	-3.26
198.78	V	Peak	62.50	-30.49	32.01	43.50	-11.49
216.24	V	Peak	53.70	-28.84	24.86	46.00	-21.14
264.74	V	Peak	52.28	-25.84	26.44	46.00	-19.56
431.58	V	Peak	50.92	-25.24	25.68	46.00	-20.32
167.74	H	Peak	54.92	-27.76	27.16	43.50	-16.34
198.78	H	Peak	59.19	-31.30	27.89	43.50	-15.61
216.24	H	Peak	53.89	-30.90	22.99	46.00	-23.01
264.74	H	Peak	55.02	-29.48	25.54	46.00	-20.46
431.58	H	Peak	46.89	-25.29	21.60	46.00	-24.40
455.83	H	Peak	47.24	-24.95	22.29	46.00	-23.71

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	RX CH Low – HT40	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	53.03	-26.67	26.36	40.00	-13.64
167.74	V	Peak	56.31	-27.76	28.55	43.50	-14.95
198.78	V	Peak	61.26	-31.30	29.96	43.50	-13.54
216.24	V	Peak	59.21	-30.90	28.31	46.00	-17.69
264.74	V	Peak	57.30	-29.48	27.82	46.00	-18.18
274.44	V	Peak	55.72	-29.18	26.54	46.00	-19.46
167.74	H	Peak	56.16	-27.76	28.40	43.50	-15.10
198.78	H	Peak	59.12	-31.30	27.82	43.50	-15.68
216.24	H	Peak	54.33	-30.90	23.43	46.00	-22.57
264.74	H	Peak	55.13	-29.48	25.65	46.00	-20.35
431.58	H	Peak	47.19	-25.29	21.90	46.00	-24.10
455.83	H	Peak	47.32	-24.95	22.37	46.00	-23.63

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (above 1GHz) Low Channel (Worse case)

Operation Mode	RX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	51.79	---	-15.16	36.63	---	74.00	54.00	-17.37	Peak
10520.0	----					74.00	54.00		
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz) Low Channel (Worse case)

Operation Mode	RX CH Low - UNII	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	46.48	---	-15.16	31.32	---	74.00	54.00	-22.68	Peak
10520.0	----					74.00	54.00		
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Low – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	52.11	---	-15.16	36.95	---	74.00	54.00	-17.05	Peak
10520.0	----					74.00	54.00		
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Low – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5260MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	45.52	---	-15.16	30.36	---	74.00	54.00	-23.64	Peak
10520.0	----					74.00	54.00		
15780.0	----					74.00	54.00		
21040.0	----					74.00	54.00		
26300.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Low – HT40	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	51.89	---	-15.16	36.73	---	74.00	54.00	-17.27	Peak
10540.0	----					74.00	54.00		
15810.0	----					74.00	54.00		
21080.0	----					74.00	54.00		
26350.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Low – HT40	Test Date	Feb. 02, 2010
Fundamental Frequency	5270MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	45.55	---	-14.37	31.18	---	74.00	54.00	-22.82	Peak
10540.0	----					74.00	54.00		
15810.0	----					74.00	54.00		
21080.0	----					74.00	54.00		
26350.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

5470~5725 MHz

Radiated Spurious Emission Measurement Result (below 1GHz) Low Channel (Worse case)

Operation Mode	RX CH Mid - UNII	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	52.70	-26.67	26.03	40.00	-13.97
167.74	V	Peak	55.98	-27.76	28.22	43.50	-15.28
198.78	V	Peak	60.33	-31.30	29.03	43.50	-14.47
216.24	V	Peak	58.92	-30.90	28.02	46.00	-17.98
264.74	V	Peak	57.23	-29.48	27.75	46.00	-18.25
431.58	V	Peak	50.06	-25.29	24.77	46.00	-21.23
46.49	H	Peak	48.36	-25.89	22.47	40.00	-17.53
167.74	H	Peak	56.79	-27.76	29.03	43.50	-14.47
198.78	H	Peak	60.75	-31.30	29.45	43.50	-14.05
216.24	H	Peak	54.09	-30.90	23.19	46.00	-22.81
264.74	H	Peak	54.89	-29.48	25.41	46.00	-20.59
455.83	H	Peak	47.81	-24.95	22.86	46.00	-23.14

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	RX CH Low – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	52.70	-26.67	26.03	40.00	-13.97
167.74	V	Peak	55.98	-27.76	28.22	43.50	-15.28
198.78	V	Peak	60.33	-31.30	29.03	43.50	-14.47
216.24	V	Peak	58.92	-30.90	28.02	46.00	-17.98
264.74	V	Peak	57.23	-29.48	27.75	46.00	-18.25
431.58	V	Peak	50.06	-25.29	24.77	46.00	-21.23
46.49	H	Peak	48.36	-25.89	22.47	40.00	-17.53
167.74	H	Peak	56.79	-27.76	29.03	43.50	-14.47
198.78	H	Peak	60.75	-31.30	29.45	43.50	-14.05
216.24	H	Peak	54.09	-30.90	23.19	46.00	-22.81
264.74	H	Peak	54.89	-29.48	25.41	46.00	-20.59
455.83	H	Peak	47.81	-24.95	22.86	46.00	-23.14

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	RX CH Low – HT40	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

Freq. (MHz)	Ant.Pol. H/V	Detector Mode (PK/QP)	Reading (dBuV)	Factor (dB)	Actual FS (dBuV/m)	Limit3m (dBuV/m)	Safe Margin (dB)
58.13	V	Peak	53.08	-26.67	26.41	40.00	-13.59
167.74	V	Peak	55.73	-27.76	27.97	43.50	-15.53
198.78	V	Peak	59.39	-31.30	28.09	43.50	-15.41
216.24	V	Peak	59.32	-30.90	28.42	46.00	-17.58
264.74	V	Peak	57.07	-29.48	27.59	46.00	-18.41
431.58	V	Peak	50.47	-25.29	25.18	46.00	-20.82
133.79	H	Peak	50.76	-28.02	22.74	43.50	-20.76
167.74	H	Peak	55.45	-27.76	27.69	43.50	-15.81
198.78	H	Peak	59.08	-31.30	27.78	43.50	-15.72
216.24	H	Peak	54.17	-30.90	23.27	46.00	-22.73
264.74	H	Peak	55.00	-29.48	25.52	46.00	-20.48
455.83	H	Peak	47.52	-24.95	22.57	46.00	-23.43

Remark：

(1) Measuring frequencies from 30 MHz to the 1GHz。

(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.

5470 – 5725 MHz

Radiated Spurious Emission Measurement Result (above 1GHz) (Worse case) – Mid Channel

Operation Mode	RX CH Mid - UNII	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	51.92	---	-15.16	36.76	---	74.00	54.00	-17.24	Peak
11200.0	----					74.00	54.00		
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	45.78	---	-15.16	30.62	---	74.00	54.00	-23.38	Peak
11200.0	----					74.00	54.00		
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Mid – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.58	---	-14.37	35.21	---	74.00	54.00	-18.79	Peak
11200.0	----					74.00	54.00		
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Mid – HT20	Test Date	Feb. 02, 2010
Fundamental Frequency	5600MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	46.01	---	-14.37	31.64	---	74.00	54.00	-22.36	Peak
11200.0	----					74.00	54.00		
16800.0	----					74.00	54.00		
22400.0	----					74.00	54.00		
28000.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Mid	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1500.5	49.37	---	-14.37	35.00	---	74.00	54.00	-19.00	Peak
11180.0	----					74.00	54.00		
16770.0	----					74.00	54.00		
22360.0	----					74.00	54.00		
27950.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	RX CH Mid – HT40	Test Date	Feb. 02, 2010
Fundamental Frequency	5590MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	
1273.0	45.78	---	-15.16	30.62	---	74.00	54.00	-23.38	Peak
11180.0	----					74.00	54.00		
16770.0	----					74.00	54.00		
22360.0	----					74.00	54.00		
27950.0	----					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- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(5) Spectrum AV Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Band Edge~(5150 ~ 5350 MHz)

Radiated Emission:

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180 MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	72.21	53.07	-5.37	66.84	47.70	74.00	54.00	-6.30	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	72.56	53.62	-5.37	67.19	48.25	74.00	54.00	-5.75	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission:

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	65.43	49.11	-4.89	60.54	44.22	74.00	54.00	-9.78	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	67.73	50.88	-4.89	62.84	45.99	74.00	54.00	-8.01	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT20

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	65.04	50.52	-5.37	59.67	45.15	74.00	54.00	-8.85	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5180 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	65.23	50.69	-5.37	59.86	45.32	74.00	54.00	-8.68	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT20

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320 MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	60.56	49.22	-4.89	55.67	44.33	74.00	54.00	-9.67	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5320 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	63.76	49.95	-4.89	58.87	45.06	74.00	54.00	-8.94	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT40

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5190MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	70.47	54.72	-5.37	65.10	49.35	74.00	54.00	-4.65	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5190MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5150.00	71.84	55.62	-5.37	66.47	50.25	74.00	54.00	-3.75	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT40

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5310 MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	69.60	53.19	-4.89	64.71	48.30	74.00	54.00	-5.70	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5310 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5350.00	70.53	54.08	-4.89	65.64	49.19	74.00	54.00	-4.81	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

5470 ~ 5725 MHz

Radiated Emission:

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500 MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	66.61	50.24	-4.66	61.95	45.58	74.00	54.00	-8.42	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	67.68	51.35	-4.66	63.02	46.69	74.00	54.00	-7.31	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission:

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	69.06	50.37	-4.53	64.53	45.84	74.00	54.00	-8.16	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	69.22	50.46	-4.53	64.69	45.93	74.00	54.00	-8.07	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT20

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	64.53	50.59	-4.66	59.87	45.93	74.00	54.00	-8.07	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5500 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	64.72	50.89	-4.66	60.06	46.23	74.00	54.00	-7.77	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT20

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700 MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	66.98	52.38	-4.53	62.45	47.85	74.00	54.00	-6.15	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5700 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF (dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	66.44	52.18	-4.53	61.91	47.65	74.00	54.00	-6.35	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT40

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5510MHz	Test By	Sky
Tmperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	72.92	57.21	-4.66	68.26	52.55	74.00	54.00	-1.45	AV

Operation Mode	TX CH Low	Test Date	Feb. 02, 2010
Fundamental Frequency	5510MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5470.00	73.24	57.42	-4.66	68.58	52.76	74.00	54.00	-1.24	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

Radiated Emission: HT40

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5670 MHz	Test By	Sky
Temperature	25 ℃	Pol	Ver.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	64.76	50.75	-4.53	60.23	46.22	74.00	54.00	-7.78	AV

Operation Mode	TX CH High	Test Date	Feb. 02, 2010
Fundamental Frequency	5670 MHz	Test By	Sky
Temperature	25 ℃	Pol	Hor.
Humidity	65 %		

Freq. (MHz)	Peak Reading (dBuV)	AV Reading (dBuV)	Ant./CL CF(dB)	Actual FS Peak (dBuV/m)	Actual FS AV (dBuV/m)	Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
5725.00	62.32	50.22	-4.53	57.79	45.69	74.00	54.00	-8.31	AV

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.

(3) Spectrum Peak Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 3MHz, Sweep time= 200 ms.

(4) Spectrum AV Setting: 1GHz- 40GHz, RBW= 1MHz, VBW= 10Hz, Sweep time= 200 ms.

7. ANTENNA REQUIREMENT

7.1 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.

7.2 Antenna Connected Construction

The directional gins of antenna used for transmitting is (Main): 1.74 dBi / (Aux):1.37 dBi for 2.4GHz, (Main) 2.81 dBi / (Aux):1.37 dBi for 5GHz, and the antenna connector is designed with unique type RF connector and no consideration of replacement. Please see EUT photo and antenna spec.for details.