6. Band Edge

6.1. Test Equipment

RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

- 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 2. The test instruments marked with "X" are used to measure the final test results.

RF Radiated Measurement:

The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2011
	Х	Pre-Amplifier	Agilent	8447D/2944A09549	Sep., 2011
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	Х	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2012
	Х	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	Х	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

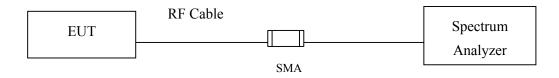
Note:

1. All instruments are calibrated every one year.

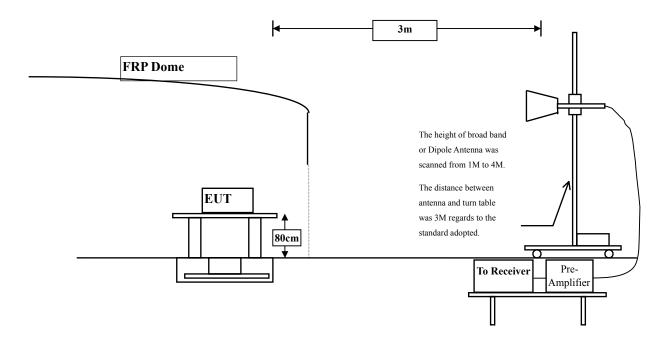
2. The test instruments marked by "X" are used to measure the final test results.

6.2. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2003 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2003 on radiated measurement.

6.5. Uncertainty

- ± 3.9 dB above 1GHz
- ± 3.8 dB below 1GHz

6.6. Test Result of Band Edge

Product	:	ASUS Pad
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps)

Fundamental Filed Strength

Antenna	Frequency	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2412	31.639	72.83	104.468	Peak
Horizontal	2412	31.639	68.33	99.968	Average
Vertical	2412	30.95	74.23	105.179	Peak
Vertical	2412	30.95	69.27	100.219	Average

Note: 1:Spectrum Analyzer setting:

```
Peak detector: RBW=1MHz, VBW=1MHz
```

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2389.1	104.468	48.65	55.818	74.000	Peak
Horizontal	2389.1	99.968	53.1	46.868	54.000	Average
Vertical	2389.1	105.179	48.65	56.529	74.000	Peak
Vertical	2389.1	100.219	53.1	47.119	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = $F - \Delta$

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)

Agilent Spectrum Analyzer	Swept SA				
RL 50Ω Center Freq 2.3900		AC SENSE:INT Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	01:04:25 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
0 dB/div Ref 20.00	dBm			r3 2.389 1 GHz -39.13 dBm	Auto Tune
0.00 10.0					Center Fred 2.390000000 GH
20.0 30.0 40.0		3		berne books	Start Free 2.340000000 GH
50.0 60.0 70.0					Stop Fre 2.440000000 GH
Center 2.39000 GHz Res BW 1.0 MHz	#VBV	V 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Stej 10.000000 MH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 4 - - 5 - - 6 - - 7 - - 8 - - 9 - - 10 - -	2.411 8 GHz 2.390 0 GHz 2.389 1 GHz	9.52 dBm -41.78 dBm -39.13 dBm			Freq Offse
2			STATUS	3	

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

Agilent Spectrum Analyzer - :				
X RL 50Ω Center Freq 2.3900		Avg Type: Log	TYPE M WWWWW	Frequency
10 dB/div Ref 20.00 d	IFGain:Low Atten: 3		Mkr3 2.389 1 GHz -47.20 dBm	Auto Tupo
10.0 0.00 -10.0				Center Fred 2.390000000 GH:
-20.0		3	hanna	Start Free 2.340000000 GH
-50.0				Stop Free 2.440000000 GH
Center 2.39000 GHz #Res BW 1.0 MHz MKR MODE TRO SC	#VBW 10 Hz	S	Span 100.0 MHz Sweep 7.80 s (1001 pts)	
Mark Model Incl. State 1 N 1 f 2 N 1 f 3 N 1 f 4 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 - - -	× ¥ 2.411 3 GHz 5.90 2.390 0 GHz 52.38 2.389 1 GHz 47.20	dBm dBm		Freq Offse 0 H
11 12 MSG			STATUS	

QuieTer

Product	:	ASUS Pad
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps)

Fundamental Filed Strength

Antenna	1 0	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2462	32.019	71.45	103.469	Peak
Horizontal	2462	32.019	66.88	98.899	Average
Vertical	2462	31.29	73.64	104.93	Peak
Vertical	2462	31.29	68.75	100.04	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2485.7	103.469	48.46	55.009	74.000	Peak
Horizontal	2488.7	98.899	53.27	45.629	54.000	Average
Vertical	2485.7	104.93	48.46	56.47	74.000	Peak
Vertical	2488.7	100.04	53.27	46.77	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge

measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = $F - \Delta$

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)



🛺 Agilent Spectrum Analyzer - Swept SA	
Center Fred 2.483500000 GHZ	requency
IFGainLow Atten: 30 dB	Auto Tune
10 dB/div Ref 20.00 dBm -39.18 dBm	
	Center Freq
-10.0	3500000 GHz
-20.0	Start Freq
40.0	3500000 GHz
-50.0	Stop Freq
-70.0	3500000 GHz
Center 2.48350 GHz Span 100.0 MHz #Res BW 1.0 MHz #VBW 1.0 MHz #Sweep 500 ms (1001 pts)	CF Step
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE	Man
2 N 1 f 2.483 5 GHz -39.64 dBm 3 N 1 f 2.485 7 GHz -39.18 dBm	Freq Offset
	0 Hz
6	
8 9 10 11	
12 STATUS	

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

💭 Agilent Spectrum Analyzer - :	Swept SA				
₩ RL 50Ω Center Freq 2.4835 Im	out: RF 🛛 PNO: Fast 🖵 Trig	Free Run	ALIGNAUTO D1:24 e: Log-Pwr	10 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00 d	ii Guin.com	n: 30 dB		488 7 GHz 47.50 dBm	Auto Tune
10.0 0.00 -10.0					Center Fred 2.483500000 GH:
-20.0		<u>2</u> ♦ ³			Start Free 2.433500000 GH:
-50.0		horm	·		Stop Fre 2.533500000 GH
Center 2.48350 GHz #Res BW 1.0 MHz	#VBW 10 H		Sweep 7.80	n 100.0 MHz s (1001 pts)	CF Stej 10.000000 MH Auto Ma
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 N 1 f 5 5 6 7 8 8 9	2.483 5 GHz -51.3	FUNCTION FU	INCTION WIDTH FL		Freq Offse 0 H
10 11 12 18 19 19 19 19 19 19 19 19 19 19 19 19 19			STATUS		

:	ASUS Pad
:	Band Edge Data
:	No.3 OATS
:	Mode 2: Transmit (802.11g 6Mbps)
	: : : :

Fundamental Filed Strength

Antenna	Frequency	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2412	31.639	74.62	106.258	Peak
Horizontal	2412	31.639	57.01	88.648	Average
Vertical	2412	30.95	76.52	107.469	Peak
Vertical	2412	30.95	58.61	89.559	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2389.1	106.258	37.54	68.718	74.000	Peak
Horizontal	2390	88.648	41	47.648	54.000	Average
Vertical	2389.1	107.469	37.54	69.929	74.000	Peak
Vertical	2390	89.559	41	48.559	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = $F - \Delta$

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)

🛙 Agilent Spectrum Analyzer	r - Swept SA				
xu soΩ Center Freq 2.390	1000000 GHz Input: RF PNO: Fast G IFGain:Low	AC SENSE:INT Trig: Free Run Atten: 30 dB	ALIGN AUTO	01:33:26 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00	0 dBm		Landra a	r3 2.389 1 GHz -26.03 dBm	Auto Tune
0.00 10.0					Center Fred 2.39000000 GHz
20.0 30.0 40.0	Uniterrating of product in a star is the	Asherwanni and		When we have we have	Start Fred 2.340000000 GH;
50.0 60.0 70.0					Stop Free 2.44000000 GH
Center 2.39000 GHz Res BW 1.0 MHz		N 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Step 10.000000 MH Auto Mar
1 N 1 f 2 N 1 f 3 N 1 f 4	2.412 1 GHz 2.390 0 GHz 2.389 1 GHz	11.50 dBm -29.50 dBm -26.03 dBm			Freq Offse
7 8 9 10 11 12					
SG			STATUS	3	

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

🗩 Agilent Spectrum Analyzer -					
K RL 50Ω Center Freq 2.3900	00000 GHz put: RF PNO: Fast C Trig	SENSE:INT Av SENSE:INT	ALIGNAUTO	01:34:06 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref 20.00 (IFGain:Low Att	en: 30 dB	Mk	r2 2.390 0 GHz -48.42 dBm	Auto Tune
10.0 0.00 -10.0					Center Freq 2.390000000 GHz
-20.0		2			Start Freq 2.340000000 GHz
-50.0					Stop Freq 2.44000000 GHz
Center 2.39000 GHz #Res BW 1.0 MHz	#VBW 10			Span 100.0 MHz 7.80 s (1001 pts) FUNCTION VALUE	
N I f I f 1 N 1 f I I f 3 - - - f I f I I f I I f I	2.412 3 GHz -7	.43 dBm .42 dBm			Freq Offset
MSG			STATUS	6	L

Product	:	ASUS Pad
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps)

Fundamental Filed Strength

Antenna	Frequency	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2462	32.019	72.76	104.779	Peak
Horizontal	2462	32.019	55.73	87.749	Average
Vertical	2462	31.29	73.23	104.52	Peak
Vertical	2462	31.29	57.3	88.59	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2483.9	104.779	35.92	68.859	74.000	Peak
Horizontal	2483.5	87.749	41.82	45.929	54.000	Average
Vertical	2483.9	104.52	35.92	68.6	74.000	Peak
Vertical	2483.5	88.59	41.82	46.77	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge

measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = $F - \Delta$

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)

🗊 Agilent Spectrum Analyzer -			letteu Dullu Eu		- 7 🗙
	00000 GHz put: RF PNO: Fast G	AC SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	01:55:24 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWW	Frequency
	IFGain:Low	Atten: 30 dB	Mk	r3 2.483 9 GHz -24.64 dBm	Auto Tune
10 dB/div Ref 20.00 (Log 10.0 .00					Center Freq 2.483500000 GHz
-10.0 -20.0 -30.0		Mighton han all and the	III A Horand and an apple of same of the sec		Start Freq 2.433500000 GHz
-50.0 -60.0 -70.0					Stop Freq 2.533500000 GHz
Center 2.48350 GHz #Res BW 1.0 MHz		V 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts) FUNCTION WALUE	CF Step 10.000000 MHz Auto Man
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6	× 2.462 0 GHz 2.483 5 GHz 2.483 9 GHz	11.28 dBm -28.00 dBm -24.64 dBm		FUNCTION VALUE	Freq Offset
7					
MSG			STATUS	3	

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

💭 Agilent Spectrum Analyzer - !	Swept SA			age bein	
Center Freq 2.4835		AC SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	01:56:01 PM May 08, 2012 TRACE 1 2 3 4 5 6	Frequency
	put: RF PNO: Fast 🕞 IFGain:Low	┘ Trig: Free Run Atten: 30 dB	Mk	r2 2.483 5 GHz -49.20 dBm	Auto Tune
					Center Fred 2.483500000 GH2
-20.0		2			Start Free 2.433500000 GH
50.0 60.0 70.0					Stop Fre 2.533500000 GH
Center 2.48350 GHz Res BW 1.0 MHz		/ 10 Hz	44	Span 100.0 MHz 7.80 s (1001 pts)	CF Ste 10.000000 MH <u>Auto</u> Ma
MKS MODE TEC SCI 1 N 1 f 2 N 1 f 3	X 2.462 7 GHz 2.483 5 GHz	-7.38 dBm -49.20 dBm		FUNCTION VALUE	Freq Offse 0 H
G G			STATUS		

QuieTer

Product	:	ASUS Pad
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Fundamental Filed Strength

Antenna	Frequency	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2412	31.639	73.69	105.329	Peak
Horizontal	2412	31.639	57.597	89.236	Average
Vertical	2412	30.95	74.02	104.969	Peak
Vertical	2412	30.95	57.33	88.279	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2388.3	105.329	36.95	68.379	74.000	Peak
Horizontal	2390	89.236	41.23	48.006	54.000	Average
Vertical	2388.3	104.969	36.95	68.019	74.000	Peak
Vertical	2390	88.279	41.23	47.049	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge

measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = $F - \Delta$

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)

ılyzer - Swept SA				
390000000 GHz Input: RF PNO: Fast IFGain:Low	AC SENSE:INT Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	D2:05:48 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
0.00 dBm		Mk	r3 2.388 3 GHz -28.16 dBm	Auto Tune
				Center Free 2.390000000 GH:
her and an faith of the faith of the state o	32		March Marcon Marchel	Start Free 2.340000000 GH
				Stop Fre 2.440000000 GH
z #VE	- 10		,	CF Stej 10.000000 MH <u>Auto</u> Ma
2.411 0 GHz 2.390 0 GHz 2.388 3 GHz	8.79 dBm -29.72 dBm -28.16 dBm			Freq Offse 0 H
	39000000 GHz Input: RF PNO: Fast IFGain:Low 20.00 dBm 20.00 dB	AC SENSE:INT 390000000 GHZ Input: RF PNO: Fast IFGain:Low Atten: 30 dB 20.00 dBm 32 20.00 dBm 32 32 400 400 400 400 400 400 400 40	AC SENSE INT ALIGNAUTO 39000000 GHZ Avg Type: Log-Pwr Input: RF PN0: Fast Trig: Free Run Atten: 30 dB Mk 0.000 dBm 4tten: 30 dB 6tt 4tten: 4tten:	AC SENSE INT ALIGNAUTO D2:05:48 PM May 08, 2012 39000000 GHZ Input: RF PN0: Fast Trig: Free Run Atten: 30 dB Mkr3 2.388 3 GHz -28.16 dBm -28.16 d

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

Agilent Spectrum Analyzer -					
X RL 50 Ω Center Freq 2.3900		Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	02:06:28 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref 20.00	IFGain:Low	Atten: 30 dB	Mk	r2 2.390 0 GHz -50.47 dBm	Auto Tune
10.0 0.00 -10.0					Center Freq 2.390000000 GHz
-20.0		2			Start Freq 2.340000000 GHz
-50.0					Stop Free 2.440000000 GH:
Center 2.39000 GHz #Res BW 1.0 MHz	#VBW	- Ma		Span 100.0 MHz 7.80 s (1001 pts)	CF Step 10.000000 MH Auto Mar
MKR MODE TAC SQL 1 N 1 f 2 N 1 f 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 9 - 10 - 11 - - -	X 2.411 5 GHz 2.390 0 GHz	Y FU -9.24 dBm -50.47 dBm	FUNCTION FUNCTION WIDTH		Freq Offse
SG		φ.	STATU	s	

Product	:	ASUS Pad
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Fundamental Filed Strength

Antenna	Frequency	Correction Factor	Reading Level	Emission Level	Detector
Pole	[MHz]	[dB/m]	[dBuV]	[dBuV/m]	
Horizontal	2462	32.019	71.43	103.449	Peak
Horizontal	2462	32.019	55.17	87.189	Average
Vertical	2462	31.29	74.71	106	Peak
Vertical	2462	31.29	56.78	88.07	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Limit (dBuV/m)	Detector
Horizontal	2484.7	103.449	37.44	66.009	74.000	Peak
Horizontal	2483.5	87.189	40.95	46.239	54.000	Average
Vertical	2484.7	106	37.44	68.56	74.000	Peak
Vertical	2483.5	88.07	40.95	47.12	54.000	Average

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

F = Fundamental field Strength (Peak or Average)

 Δ = Conducted Band Edge Delta (Peak or Average)

- Swept SA		leteu Danu Eu	0	
500000 GHz nput: RF PNO: Fast C IFGain:Low	AC SENSE:INT Trig: Free Run Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr	02:24:05 PM May 08, 2012 TRACE 11 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
dBm		Mk	r3 2.484 7 GHz -27.85 dBm	Auto Tune
				Center Fred 2.483500000 GH:
	Wollowshiwand Sharmonics	May and and and a second and a second and a second se	meneral	Start Free 2.433500000 GH
				Stop Fre 2.533500000 GH
	- Ma		,	CF Ste 10.000000 MH Auto Ma
2.462 2 GHz 2.483 5 GHz 2.484 7 GHz	9.59 dBm -29.26 dBm -27.85 dBm			Freq Offse
	500000 GHz nput: RF PN0: Fast C IFGain:Low dBm 1 1 2.462 2 GHz 2.462 2 GHz 2.463 5 GHz	AC SENSE:INT 500000 GHz nput: RF PNO: Fast IFGain:Low Atten: 30 dB dBm #VBW 1.0 MHz 2.462 2 GHz 2.462 2 GHz 2.462 2 GHz 2.462 2 GHz 2.462 2 GHz 2.92 6 dBm	AC SENSE.INT ALIGNAUTO 500000 GHz nput: RF Ph0: Fast IFGain:Low Trig: Free Run Atten: 30 dB Mki dBm 4tten: 30 dB Mki dBm 4tten: 30 dB 4tten: 30 d	AC SENSE.INT ALIGNAUTO D2:24:05 PM May 08, 2012 500000 GHz nput: RF PN0: Fast IF Gain:Low Trig: Free Run Atten: 30 dB Mkr3 2.484 7 GHz -27.85 dBm 3 4 4 4 4 4 4 4 4 4 4 4 4 4

Peak Detector of conducted Band Edge Delta

Average Detector of conducted Band Edge Delta

💭 Agilent Spectrum Analyzer - :	Swept SA			Ma	
Ω/ RL 50Ω Center Freq 2.4835		AC SENSE:INT Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	02:24:42 PM May 08, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
10 dB/div Ref 20.00 (IFGain:Low	Atten: 30 dB	Mk	r2 2.483 5 GHz -50.09 dBm	Auto Tune
10.0 0.00 -10.0					Center Fred 2.483500000 GH:
-20.0		2			Start Free 2.433500000 GH:
-60.0					Stop Free 2.533500000 GH
Center 2.48350 GHz #Res BW 1.0 MHz		/ 10 Hz	- 12 fe	Span 100.0 MHz 7.80 s (1001 pts)	CF Ster 10.000000 MH Auto Ma
MKR MODE TEC SCL 1 N 1 F 2 N 1 F 3 4 5	X 2.462 6 GHz 2.483 5 GHz	<u>9.14 dBm</u> -50.09 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
12			STATUS	3	

7. Occupied Bandwidth

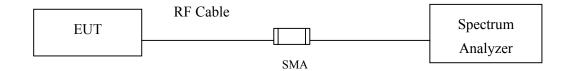
7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

- 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 2. The test instruments marked with "X" are used to measure the final test results.

7.2. Test Setup



7.3. Limits

The minimum bandwidth shall be at least 500 kHz.

7.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2003; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 1-5% of the emission bandwidth, VBW≥3*RBW

7.5. Uncertainty

 \pm 150Hz

7.6. Test Result of Occupied Bandwidth

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	7750	>500	Pass

Figure Channel 1:

onter Fred	50 Ω AC 2.412000000	GHz	SENSE:INT	Ava Tvp	ALIGNAUTO		M May 11, 2012	Frequency
enter rieg	2.41200000	IFGain:Low	Trig: Free Run Atten: 30 dB			TYP		
	20.00 dBm				Mkr		35 GHz 17 dBm	Auto Tu
9 9 0.0			2 1 1	3				Center Fr
00		~	on Anna Anna	W A	-		1.96 dBm	2.412000000 G
.0		www		righty				
.0	. a manufe			NY NY	horn	M		Start Fi 2.387000000 0
mur le m	my man	~			Arown	Mr.	when me	2.387000000
.0								Stop Fi
.0								2.437000000
nter 2.4120							0.00 MHz	CF St
es BW 300		#VBW	1.0 MHz			<u>`</u>	1001 pts)	5.000000 N
N 1 f		1 50 GHz	7.96 dBm	FUNCTION	UNCTION WIDTH	FUNCTIL	IN VALUE	<u>Auto</u> N
N 1 f N 1 f		8 35 GHz 6 10 GHz	1.17 dBm 1.45 dBm					Freq Off
								0
3								

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6	2437	7750	>500	Pass

Figure Channel 6:

ilent Spectrum Analyzer - S RL RF 50		SENSE:INT	ALIGN AUTO	06:39:42 PM May 11, 2012	
enter Freq 2.437			Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
dB/div Ref 20.00	dBm		Mkr	2 2.433 35 GHz 0.66 dBm	Auto Tur
0.0 .00		2 1 pomment	x3	1.32 dBm	Center Fre 2.437000000 GH
0.0	mar and a company		han	V VVN	Start Fre 2.412000000 GF
0.0 0.0 0.0					Stop Fr 2.462000000 G
enter 2.43700 GHz Res BW 300 kHz	#VBV	V 1.0 MHz	Sweep	Span 50.00 MHz 1.00 ms (1001 pts)	CF St 5.000000 M
R MODE TRC SCL 1 N 1 f 2 N 1 f 3 N 1 f	× 2.436 50 GHz 2.433 35 GHz 2.441 10 GHz	7.32 dBm 0.66 dBm 0.87 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
4 5 5 6 7 7					Freq Offs 0
3 3 0 1 2					

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11	2462	7750	>500	Pass

Figure Channel 11:

Agilent Spectrum Analyzer - Sw	ept SA				
w RL RF 50 Ω Center Freq 2.4620		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr		Frequency
10 dB/div Ref 20.00	IFGain:Low	Atten: 30 dB	Mk	r2 2.458 35 GHz 0.18 dBm	Auto Tun
10.0 0.00 -10.0		2 mm		0.92 dBm	Center Fre 2.462000000 GH
20.0 30.0 40.0	mart		how how	waynaw www.w	Start Fr 2.437000000 G
50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0					Stop Fr 2.487000000 G
enter 2.46200 GHz Res BW 300 kHz	#VBV	/ 1.0 MHz	Sweep	Span 50.00 MHz 1.00 ms (1001 pts)	CF Ste 5.000000 M Auto M
I N I F 2 N 1 f 3 N 1 f 4 - - 5 - - 6 - -	2.462 50 GHz 2.458 35 GHz 2.466 10 GHz	6.92 dBm 0.18 dBm 0.49 dBm			Freq Offs
8 7 8 9 10 11 12					
ISG			STAT	us	

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	15750	>500	Pass

Figure Channel 1:

Agilent Spectrum Analyzer - Swe					
Center Freq 2.41200	AC 00000 GHz	SENSE:INT	ALIGN AU Avg Type: Log-Py	NT TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 20.00 d	IFGain:Low	Atten: 30 dB	М	kr2 2.404 15 GHz -1.92 dBm	Auto Tuno
10.0 0.00 -10.0	2	1	······································		Center Fred 2.412000000 GHz
-20.0 -30.0 -40.0	pentrologi			North Marin Marin Marine 19 Care to	Start Free 2.387000000 GH2
-60.0					Stop Free 2.437000000 GH:
Center 2.41200 GHz #Res BW 300 kHz MKR MODE TRO SC	#VB\	V 1.0 MHz	Swee	Span 50.00 MHz p 1.00 ms (1001 pts) oth	
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6	2.410 95 GHz 2.404 15 GHz 2.419 90 GHz	4.55 dBm -1.92 dBm -2.09 dBm			Freq Offset
7 8 9 10 11 12					
MSG			STA	ATUS	98

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6	2437	16050	>500	Pass

Figure Channel 6:

Agilent Spectrum Analyzer - Sv					
RL RF 503 Center Freq 2.4370	000000 GHz	Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr	06:45:32 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00	IFGain:Low	Atten: 30 dB	Mkr	2 2.428 95 GHz -1.63 dBm	Auto Tun
-09 10.0 0.00 10.0	2 m	A1	3	-1.52 dBm	Center Fre 2.437000000 G⊢
20.0 30.0 40.0 phil. let mal John Margail	Wood Angele and the			anter the feature and the feature of the	Start Fre 2.412000000 G⊦
50.0					Stop Fre 2.462000000 GH
enter 2.43700 GHz Res BW 300 kHz		1.0 MHz		Span 50.00 MHz 1.00 ms (1001 pts) FUNCTION VALUE	CF Ste 5.000000 Mi
1 N 1 f 2 N 1 f 3 N 1 f 3 N 1 f 6	× 2.438 50 GHz 2.428 95 GHz 2.445 00 GHz	4.48 dBm -1.63 dBm -2.03 dBm	INCTION FUNCTION WIDTH		Auto Ma Freq Offs 0 F
11			STATUS		

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11	2462	15800	>500	Pass

Figure Channel 11:

Agilent Spectrum Analyzer - Swe	ept SA				
	AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	06:46:54 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N	Frequency
10 dB/div Ref 20.00 c	IFGain:Low	Atten: 30 dB	Mkr	2 2.454 05 GHz -1.96 dBm	Auto Tun
10.0 0.00 -10.0	2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-1.84.dBm	Center Fre 2.462000000 G⊦
20.0 30.0 40.0 ashannan			Incontraction of	and a farman and a farmation and and	Start Fre 2.437000000 GH
50.0 50.0 70.0					Stop Fr 2.487000000 G
enter 2.46200 GHz Res BW 300 kHz	#VBW	/ 1.0 MHz	Sweep	Span 50.00 MHz 1.00 ms (1001 pts)	CF Ste 5.000000 M
IKR MODE TRO SCL 1 N 1 f 2 N 1 f	× 2.462 70 GHz 2.454 05 GHz	4.17 dBm -1.96 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
3 N 1 f 4 5 6	2.469 85 GHz	-2.34 dBm			Freq Offs 0
7 8 9 9 10 10 11 12 12 12 12 12 12 12 12 12 12 12 12					
sg	1		STATUS	/	

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	16050	>500	Pass

Figure Channel 1:

Agilent Spectrum Analyzer - Swe X/ RL RF 50 Ω		SENSE:INT	ALIGN AUTO	06:48:55 PM May 11, 2012	
Center Freq 2.4120	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00 c	IFGain:Low	Atten: 30 dB	Mkr	2 2.404 00 GHz -2.89 dBm	Auto Tune
10.0 0.00 -10.0	2	1		-2.64 dBm	Center Fre 2.412000000 G⊦
20.0 30.0 40.0 young May Mark Marka Marka	Instant tot		the second second	antrand Constitute and for the state	Start Fre 2.387000000 G⊦
50.0 60.0 70.0					Stop Fre 2.437000000 GF
Center 2.41200 GHz Res BW 300 kHz		/ 1.0 MHz		Span 50.00 MHz 1.00 ms (1001 pts)	CF Ste 5.000000 MI
MIXE MODE TEC SCL 1 N 1 f 2 N 1 f 3 N 1 f 4 - - - 5 - - - 6 - - -	× 2.413 45 GHz 2.404 00 GHz 2.420 05 GHz	3.36 dBm -2.89 dBm -3.52 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma Freq Offs 0 F
7 8 9 10 11 12					
ISG			STATUS		

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6	2437	16000	>500	Pass

Figure Channel 6:

Agilent Spectrum Analyzer - Sw				- 32	
Center Freq 2.4370		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	06:50:28 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET P N N N N N	Frequency
10 dB/div Ref 20.00 (IFGain:Low	Atten: 30 dB	Mkr	2 2.429 00 GHz -2.97 dBm	Auto Tune
10.0 0.00 -10.0	2 power	l	3	2,47 dBm	Center Free 2.437000000 GH
-40.0 Tom And Transfer of the of the	Lorden torio			Long March My and the	Start Fre 2.412000000 GH
-50.0 					Stop Fre 2.462000000 G⊦
Center 2.43700 GHz #Res BW 300 kHz	#VBW	1.0 MHz		Span 50.00 MHz 1.00 ms (1001 pts)	CF Ste 5.000000 MH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6 7	2.437 90 GHz 2.429 00 GHz 2.445 00 GHz	3.53 dBm -2.97 dBm -3.04 dBm			Freq Offse
1 1 11 1					
MSG			STATUS		

Product	:	ASUS Pad
Test Item	:	Occupied Bandwidth Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11	2462	16050	>500	Pass

Figure Channel 11:

Agilent Spectrum Analyzer - Swe	ept SA				
X RL RF 50Ω Center Freq 2.46200		SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	06:53:36 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
10 dB/div Ref 20.00 c	IFGain:Low	Atten: 30 dB	Mkr	2 2.454 00 GHz -3.28 dBm	Auto Tune
10.0 0.00 -10.0	2	1	3		Center Free 2.462000000 GH
-20.0 -30.0 -40.0 mm/halm/lumm	mahoren		hours	mary Menson Manager	Start Fre 2.437000000 GH
-60.0					Stop Fre 2.487000000 GH
Center 2.46200 GHz #Res BW 300 kHz	#VBW	1.0 MHz	Sweep	Span 50.00 MHz 1.00 ms (1001 pts) FUNCTION VALUE	CF Ste 5.000000 M⊦ <u>Auto</u> Ma
2 N 1 f 3 N 1 f 4 5 6	2.455 95 GHz 2.454 00 GHz 2.470 05 GHz	-3.28 dBm -3.44 dBm			Freq Offs 0 ⊦
7 8 9 10 11 12					
MSG	1		STATUS		

8. **Power Density**

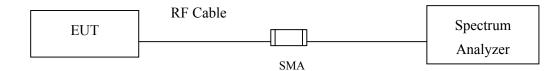
8.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

- 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 2. The test instruments marked with "X" are used to measure the final test results.

8.2. Test Setup



8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements. Set RBW= 100 kHz, VBW \geq 300KHz, SPAN to 5-30 % greater than the EBW, Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (3 kHz/100 kHz = -15.2 dB).

8.5. Uncertainty

 \pm 1.27 dB

8.6. Test Result of Power Density

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-9.446	< 8dBm	Pass

Figure Channel 1:

Agilent Spectrum Analyzer - Swe							
Center Freq 2.41200	AC 0000 GHz	SENSE:INT	Avg Type: L		TRACE	May 11, 2012	Frequency
Ref Offset -15 10 dB/div Ref 4.80 dE	IFGain:Low ╺	J Trig: Free Run #Atten: 30 dB	Avg Hold:>1		DET 2.411 4	18 GHz 6 dBm	Auto Tune
-5.20		man man	h				Center Free 2.412000000 GH
-15.2 -25.2			Arrant	m	W.		Start Fre 2.402000000 GH
-35.2					W	W. N.	Stop Fre 2.422000000 GH
65.2						V	CF Ste 2.000000 MH Auto Ma
75.2							Freq Offs
85.2							
Center 2.41200 GHz #Res BW 100 kHz	#VBV	/ 300 kHz	S	weep 1	Span 20 1.93 ms (1		
MSG				STATUS			

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6	2437	-9.669	< 8dBm	Pass

Figure Channel 6:

enter Fr	req 2.4370		lz _	SENSE:II	Avg	ALIGNAUTO Type: Log-Pwr Hold:>100/100	TRACE	May 11, 2012 1 2 3 4 5 6 M MAMMAN	Frequency
0 dB/div	Ref Offset -1 Ref 4.80 d	5.2 dB	ain:Low	#Atten: 30 dB			1 2.436 4	48 GHz 9 dBm	Auto Tur
20				1	-0 N				Center Fr 2.437000000 G
5.2		M	Mahadad		M. M. Markan	min	Auro		Start Fr 2.427000000 G
5.2 5.2	Jul							M	Stop Fr 2.447000000 G
5.2 									CF St 2.000000 M <u>Auto</u> M
5.2									Freq Offs 0
	3700 GHz).00 MHz	
Res BW	100 kHz		#VBW	300 kHz		Sweep	1.93 ms (1	001 pts)	

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11	2462	-9.824	< 8dBm	Pass

Figure Channel 11:

If Gain:Low Trig: Free Run #Atten: 30 dB Avg Hold>100/100 Tree Mumanian Der PNNNNN Bref 4.80 dBm Automatic Automatic -9.824 dBm -5.20	× ∟ Center Fi	RF 50 G		Hz		NSE:INT	Avg Type	ALIGNAUTO : Log-Pwr	TRAC	M May 11, 2012	Frequency
5:0 1 Center 15:2 1 1 25:2 1 1 35:2 1 1 45:2 1 1 45:2 1 1 65:2 1 1 75:2 1 1	10 dB/div	Ref Offset -1	IFG 5.2 dB	Ģ			Avg Hold:		⊓ 1 2.461	48 GHz	Auto Tu
252 252 252 252 252 252 252 252 252 252				2	1	MAN					Center Fr 2.462000000 GI
15.2 1		m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			/ **	hole hole	m V	M.		Start Fr 2.452000000 GI
2.0000 Auto Freq		North								N N N N N	Stop Fr 2.472000000 Gi
										\\	CF Ste 2.000000 M <u>Auto</u> M
52											Freq Offs 0
enter 2.46200 GHz Span 20.00 MHz Res BW 100 kHz #VBW 300 kHz Sweep 1.93 ms (1001 pts)	enter 2.4			#VBW	300 kHz			Sweep			

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-13.149	< 8dBm	Pass

Figure Channel 1:

enter I	RF 50 Ω Freq 2.4120	00000 Gł	HZ iain:Low	Trig: Free #Atten: 30			ALIGNAUTO e: Log-Pwr d:>100/100	07:01:33 PM May TRACE 1 2 TYPE M& DET P N	3456	Frequency
0 dB/div	Ref Offset -1 Ref 4.80 d	5.2 dB	din Low				Mkr	1 2.413 26 -13.149 c		Auto Tun
5.20			8		▲1					Center Fre 2.412000000 GF
25.2	mannel	hardhow	Amp Am	\mathcal{A}	John	mlund	handhan	Munny		Start Fre 2.402000000 GF
5.2								^v	M. N.	Stop Fr 2.422000000 G
5.2									, 	CF Ste 2.000000 M Auto M
5.2										Freq Offs
35.2					2					
	.41200 GHz / 100 kHz	1	#VBW	300 kHz		1	Sweep	Span 20.00 1.93 ms (100		
sg							STATUS		. ,	

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6	2437	-13.299	< 8dBm	Pass

Figure Channel 6:

L RF 50Ω enter Freq 2.43700	G	SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold>100/100	07:01:52 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
Ref Offset -15. dB/div Ref 4.80 dB		#Atten: 30 dB	Mki	1 2.438 26 GHz -13.299 dBm	Auto Tu
20					Center Fr 2.437000000 G
5.2 5.2	mhannah	where where	mannan	whenthy	Start Fr 2.427000000 G
5.2 N					Stop Fr 2.447000000 G
5.2					CF St 2.000000 M Auto M
.2					Freq Off
5.2 enter 2.43700 GHz Res BW 100 kHz		300 kHz		Span 20.00 MHz 1.93 ms (1001 pts)	

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11	2462	-13.282	< 8dBm	Pass

Figure Channel 11:

L RF 50 Ω enter Freq 2.46200	AC 0000 GHz	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	07:02:14 PM May 11, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
Ref Offset -15. dB/div Ref 4.80 dB			Mkr	1 2.463 26 GHz -13.282 dBm	Auto Tun
.20					Center Fre 2.462000000 GH
5.2 .5.2 .5.2	mahanahanah	white when the	mhanhanta	Mon Any	Start Fre 2.452000000 GF
5.2 N ¹					Stop Fr 2.472000000 G
5.2					CF St 2.000000 M <u>Auto</u> M
5.2					Freq Offs 0
5.2					<u> </u>
enter 2.46200 GHz Res BW 100 kHz	#VB\	N 300 kHz	Sweep	Span 20.00 MHz 1.93 ms (1001 pts)	

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-14.212	< 8dBm	Pass

Figure Channel 1:

gilent Spectrum Analyzer -	Swept SA	SENSE:INT	ALIGNAUTO	07:00:43 PM May 11, 2012	
enter Freq 2.412		Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold>100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
Ref Offset 0 dB/div Ref 4.80	-15.2 dB		Mkr	1 2.413 26 GHz -14.212 dBm	Auto Tun
5.20					Center Fre 2.412000000 GH
5.2 mmm 5.2 mmmm	Mumhuna	what when parath	man martine	Munnhay	Start Fr 2.402000000 G
5.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				- Va My Ny	Stop Fr 2.422000000 G
5.2				۲ ۲	CF Sto 2.000000 M <u>Auto</u> M
5.2					Freq Offs 0
5.2					
enter 2.41200 GHz Res BW 100 kHz		N 300 kHz	Sweep	Span 20.00 MHz 1.93 ms (1001 pts)	
G			STATUS		

:	ASUS Pad
:	Power Density Data
:	No.3OATS
:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)
	:

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6	2437	-14.397	< 8dBm	Pass

Figure Channel 6:

enter Fr	eq 2.4370	00000	GHz FGain:Low	Trig: Free #Atten: 30			ALIGN AUTO : Log-Pwr >100/100	TRACI TYP	May 11, 2012 E 1 2 3 4 5 6 E MWWWWW T P N N N N N	Frequency
) dB/div	Ref Offset -1 Ref 4.80 di						Mkr	1 2.438 -14.39	26 GHz 97 dBm	Auto Tur
20			2	5	▲1				<u>.</u>	Center Fre 2.437000000 Gi
.2	Andrew	Maral has	ntrontro	nullary	Junn	mmm	www.hww	www.ha	1	Start Fr 2.427000000 G
.2 N .2 N	p								My	Stop Fr 2.447000000 G
.2									Ŷ	CF St 2.000000 M <u>Auto</u> M
2										Freq Offs 0
5.2										
enter 2.4 Res BW 1	3700 GHz 100 kHz		#VBW	300 kHz			Sweep	Span 20 1.93 ms (*	0.00 MHz 1001 pts)	

Product	:	ASUS Pad
Test Item	:	Power Density Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result	
11	2462	-14.549	< 8dBm	Pass	

Figure Channel 11:

enter Fr	req 2.46200		GHz FGain:Low	Trig: Free #Atten: 30		Avg Type Avg Hold:		TRACE	May 11, 2012 1 2 3 4 5 6 MWWWWW T P N N N N N	Frequency
0 dB/div	Ref Offset -15 Ref 4.80 dE						Mkr	1 2.463 -14.54	28 GHz I9 dBm	Auto Tur
5.20				<u> </u>	▲1					Center Fr 2.462000000 G
5.2	mmm	wonth	when	mbry	providing	mhunn	wontres	hundre	1	Start Fr 2.452000000 G
5.2 5.2									North Andrewson	Stop Fr 2.472000000 G
5.2										CF Sto 2.000000 M <u>Auto</u> M
5.2										Freq Offs 0
5.2										
	6200 GHz 100 kHz		#VBW	300 kHz			Sweep	Span 20 1.93 ms (*).00 MHz 1001 pts)	

9. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs