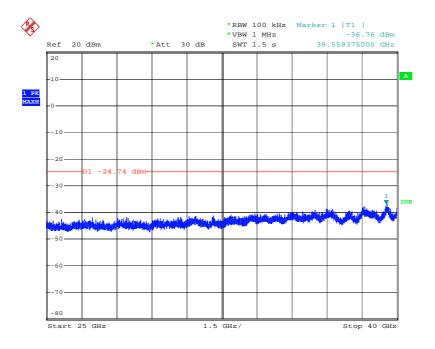
Product	:	Router
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	No.3 OATS
Test Mode	:	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

Channel 151 (5755MHz) 30MHz -40GHz-Chain A

	RF	50 Ω	AC		SE	NSE:INT		ALIGN AUTO	12:55:29 P	M Aug 31, 2012	
		1.000.000		PNO: Fast G	_		Avg Type	e: Log-Pwr	TRAC TY	CE 1 2 3 4 5 6 PE MWWWWW	Trace/Det
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Agilent Spectr												
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Display L		- <u>24.74</u> 20.00 c	ļ	PNO: Fast 🕞 FGain:Low	Trig: Fre #Atten: 3		Avg Typ	-	ייז ס 15.75:	2 0 GHz 63 dBm		Annotation
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-70.0												Settings
Start 1.00 #Res BW				#VBW	/ 1.0 MHz	2			1.02 s (1	.000 GHz 0001 pts)		
MSG								STATUS				

	RF	50 Ω AC		SE	NSE:INT		ALIGN AUTO	12:55:59 PM		T (D)
				7	_	Avg Typ	e: Log-Pwr	TRACE	123456	Trace/Det
			PNO: Fast Ģ IFGain:Low	Trig: Free #Atten: 30					PNNNN	Select Trace
) dB/div	Ref 20	.00 dBm					Mkr	1 23.697 -40.69	4 GHz 6 dBm	Trace '
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									-24.74 dBm	Max Ho
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5.0										
										Mo
	000 GHz						Not	Stop 25.0	000 GHz	1 0
Res BM	V 100 kHz		#VBW	/ 1.0 MHz			Sweep	1.20 s (10	001 pts)	
G							STATUS			



Date: 24.MAR.2003 08:30:43

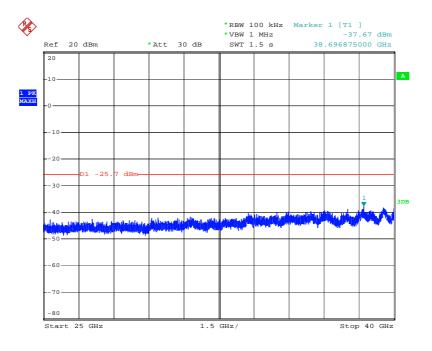
Trace/Det	12:57:14 PM Aug 31, 2012 TRACE 1 2 3 4 5 6		Avg Type:	ISE:INT	SEN		AC AC	RF 50	
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Trace Avera									o
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Channel 159 (5795MHz) 30MHz -40GHz-Chain A



Agilent Spectrum Analyzer - Swept SA				
ανα κε 50 Ω AC Display Line -25.70 dBm	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	12:56:59 PM Aug 31, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Display
PNO: Fast IFGain:Low	J [→] Trig: Free Run #Atten: 30 dB	Mk	r1 5.803 7 GHz 4.304 dBm	Annotation►
10.0	↓ 1			Title►
-10.0				Graticule On Off
-20.0			-25.70 dBm	Display Line -25.70 dBm <u>On</u> Off
-40.0				
-50.0 -60.0 https://www.communication.com/				System Display▶ Settings
-70.0				
Start 1.000 GHz #Res BW 100 kHz #VBW	1.0 MHz	· · · · · ·	Stop 12.000 GHz 1.02 s (10001 pts)	
MSG		K STATUS		

RF 50 Ω	AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	12:57:38 PM Aug 31, 2012 TRACE 1 2 3 4 5 6	Trace/Det
	PNO: Fast G IFGain:Low	Trig: Free Run #Atten: 30 dB		1 23.542 7 GHz	Select Trace
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art 12.000 GHz Res BW 100 kHz	#VBI	N 1.0 MHz	Sweep	Stop 25.000 GHz 1.20 s (10001 pts)	1 c



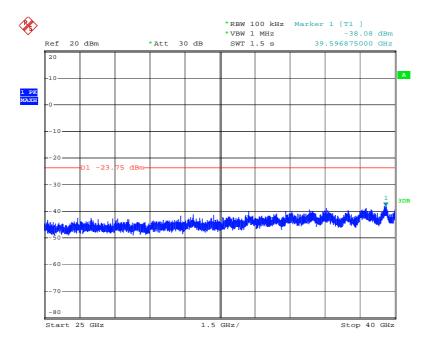
Date: 24.MAR.2003 08:31:54

0 dB/div Ref 20.00	IF	NO: Fast G	┘ Trig: Free #Atten: 30		Avg Type		TYF DE 1 520.4	22 123456 212 MHz 212 MHz 91 dBm	Select Trace Trace 1 Clear Writ
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0.0 tart 30.0 MHz Res BW 100 kHz		#VBW	1.0 MHz		Ę	Sweep 9	Stop 1.0 0.0 ms (1)000 GHz 0001 pts)	M o 1 o

Channel 151 (5755MHz) 30MHz -40GHz-Chain B

Agilent Spectrum Analyzer - Swept S						
M RF 50 Ω A Display Line -23.75 dB	Bm	SENSE	Avg	ALIGNAUTO Type: Log-Pwr	12:53:49 PM Aug 31, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Display
10 dB/div Ref 20.00 dBn	PNO: Fast 🆵 IFGain:Low	#Atten: 30 d		Mk	r1 5.746 5 GHz 6.248 dBm	Annotation
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0.00						Graticu
10.0						<u>On</u> 0
30.0					-23.75 dBm	Display Lin -23.75 dBi <u>On</u> O
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70.0						
Start 1.000 GHz #Res BW 100 kHz	#VBW	1.0 MHz		Sweep	Stop 12.000 GHz 1.02 s (10001 pts)	
ISG						1

								pectrum Analyzer	
23456 Irace/Det	12:54:31 PM Aug 31, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWWW	ALIGNAUTO	Avg Typ	NSE:INT]		50 Ω AC	RF	.XI
GHz Select Trace	1 23.690 9 GHz -40.411 dBm	Mkr			d Trig: Free #Atten: 30	PNO: Fast 🆵 FGain:Low	00 dBm	liv Ref 20.1	10 dB/d
Clear Writ									10.0 —
Trace Averag									0.00
23.75 dBm Max Hol	-23.75 dBm								-20.0
Min Hol	1		, thus, had a started	damente a da abili	و المرواليونية الم				40.0 -
View/Blank View					in a second s		alpen na <mark>1999 (1999)</mark> Alpen na 1999	, the first set of a state of the set of the	60.0
	Stop 25.000 GHz 1.20 s (10001 pts)	Sweep			1.0 MHz	#VBW		12.000 GHz BW 100 kHz	
		I status							ISG



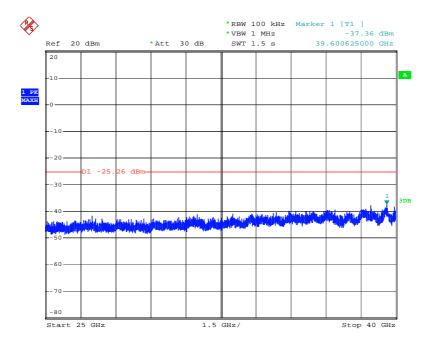
Date: 24.MAR.2003 08:34:00

	Analyzer - Sv RF 50			SEI	NSE:INT		ALIGN AUTO	12:58:52 P	M Aug 31, 2012	
	1		'NO: Fast 😱] Trig: Free	Run	Avg Type		TRAI TY	CE 1 2 3 4 5 6 PE MWWWWW	Trace/Det
	Ref 20.00	IF	Gain:Low	#Atten: 30) dB		Mł	(r1 953.8	28 MHz 59 dBm	Select Trace
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tart 30.0 M Res BW 10			#VBW	1.0 MHz			Sweep	Stop 1.0 90.0 ms (1	0000 GHz 0001 pts)	1 c
G							TAT STAT	us		

Channel 159 (5795MHz) 30MHz -40GHz-Chain B

Agilent Spectrum Analyzer - Swep					
M RF 50 Ω Display Line -25.26 d		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	12:58:34 PM Aug 31, 2012 TRACE 1 2 3 4 5 6	Display
10 dB/div Ref 20.00 dE	PNO: Fast 😱 IFGain:Low	^J Trig: Free Run #Atten: 30 dB	Mł	type MWWWWW Det P NNNNN 4.743 dBm	Annotation►
10.0		• ¹			Title►
-10.0					Graticule <u>On</u> Off
-20.0				-25.26 dBm	Display Line -25.26 dBm On Off
-40.0					
-50.0					System Display▶ Settings
-70.0					
Start 1.000 GHz #Res BW 100 kHz	#VBW	1.0 MHz	Sweep	Stop 12.000 GHz 1.02 s (10001 pts)	
MSG				5	

	RF 5	50 Ω AC		SE	NSE:INT		ALIGN AUTO	12:59:26 PM	Aug 31, 2012	
			PNO: Fast 😱] Trig: Free	e Run	Avg Type	: Log-Pwr	TRACE	123456 M WWWWW PNNNNN	Trace/Det
) dB/div	Ref 20.0		IFGain:Low	#Atten: 30) dB		Mkr	1 23.662	7e 0226602	Select Trace
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Res BW	100 kHz		#VBW	1.0 MHz			Sweep	1.20 s (10	001 pts)	
G							STATUS			



Date: 24.MAR.2003 08:33:09

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, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
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., 2012
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2012
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2012
		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2012
	Х	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2012
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2012
	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

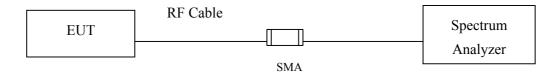
Note: 1. A

1. All instruments are calibrated every one year.

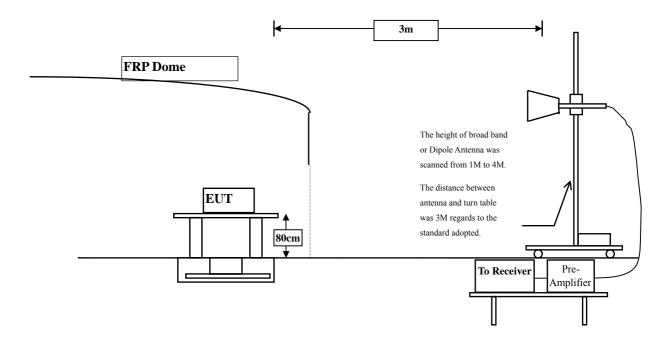
2. The test instruments marked by "X" are used to measure the final test results.

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 30dB 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

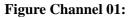
- ± 3.9 dB above 1GHz
- ± 3.8 dB below 1GHz

6.6. Test Result of Band Edge

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

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2386.000	31.736	30.597	62.333	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	25.440	57.179	74.00	54.00	Pass
01 (Peak)	2413.400	31.775	77.357	109.132			Pass
01 (Average)	2386.000	31.736	21.989	53.725	74.00	54.00	Pass
01 (Average)	2390.000	31.739	13.951	45.690	74.00	54.00	Pass
01 (Average)	2414.600	31.778	72.824	104.602			Pass



Horizontal (Peak)

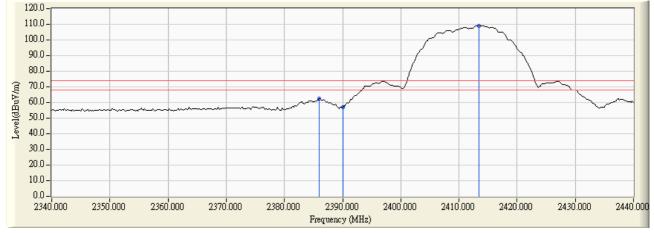
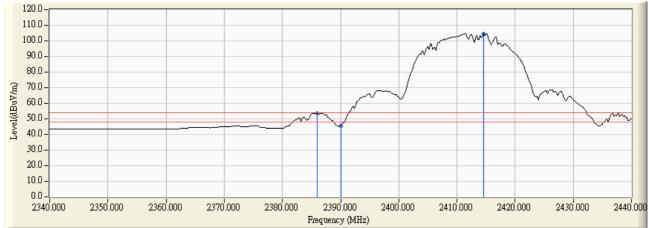


Figure Channel 01:

Horizontal (Average)

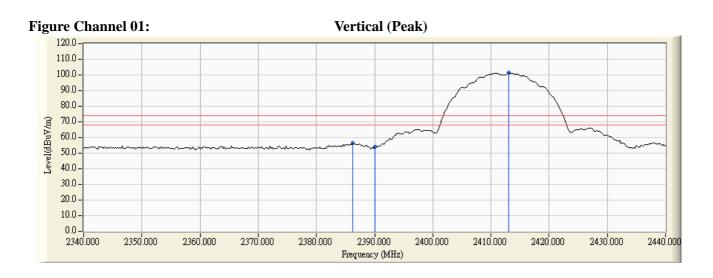


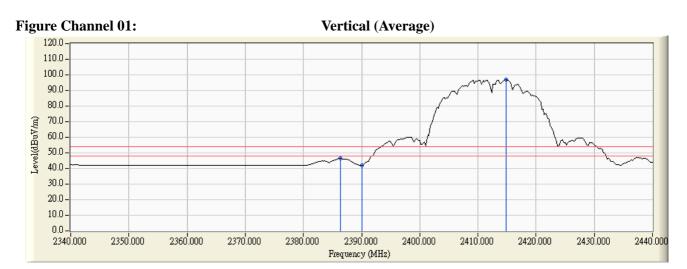
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
01 (Peak)	2386.200	30.293	26.409	56.702	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	23.790	54.057	74.00	54.00	Pass
01 (Peak)	2413.000	30.254	71.022	101.275			Pass
01 (Average)	2386.400	30.292	16.121	46.413	74.00	54.00	Pass
01 (Average)	2390.000	30.267	11.900	42.167	74.00	54.00	Pass
01 (Average)	2414.800	30.261	66.536	96.798			Pass





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Arerage Limit (dBuV/m)	Result
11 (Peak)	2462.900	31.895	76.228	108.123			Pass
11 (Peak)	2483.500	31.951	25.942	57.892	74.00	54.00	Pass
11 (Peak)	2487.900	31.962	29.855	61.816	74.00	54.00	Pass
11 (Average)	2463.700	31.897	71.830	103.727			Pass
11 (Average)	2483.500	31.951	16.444	48.394	74.00	54.00	Pass
11 (Average)	2487.700	31.961	21.024	52.985	74.00	54.00	Pass

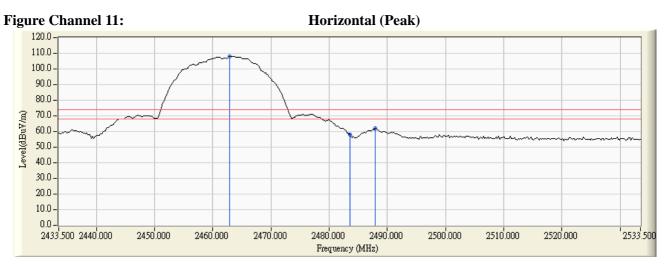
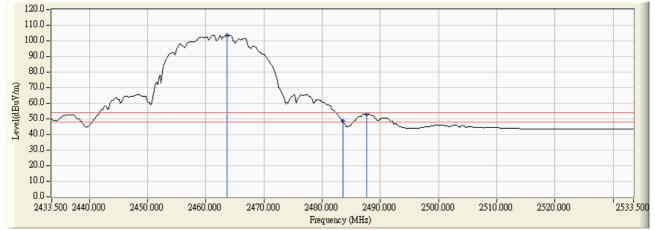


Figure Channel 11:

Horizontal (Average)



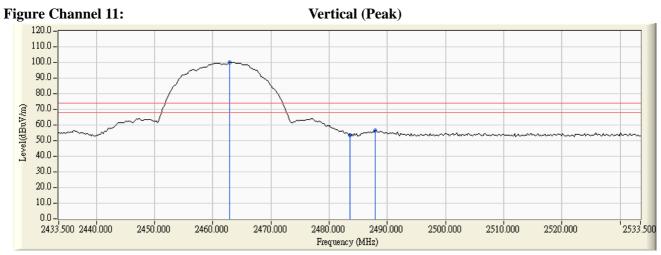
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

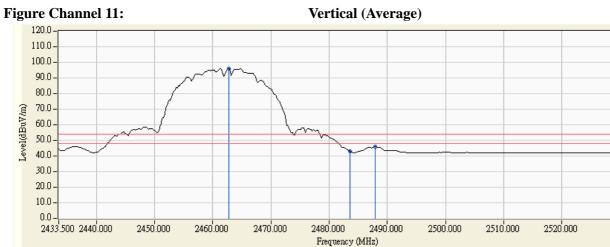
2533.500

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

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
11 (Peak)	2462.900	30.485	69.681	100.166			Pass
11 (Peak)	2483.500	30.586	23.138	53.723	74.00	54.00	Pass
11 (Peak)	2487.900	30.607	26.059	56.665	74.00	54.00	Pass
11 (Average)	2462.700	30.484	65.474	95.958			Pass
11 (Average)	2483.500	30.586	12.482	43.067	74.00	54.00	Pass
11 (Average)	2487.900	30.607	15.254	45.860	74.00	54.00	Pass





- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

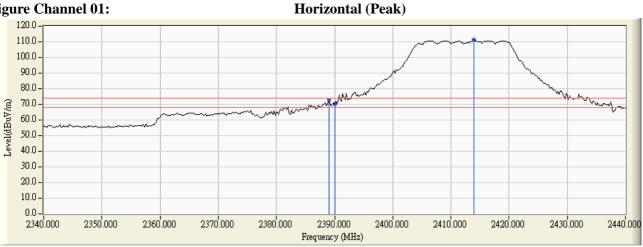
2440.000

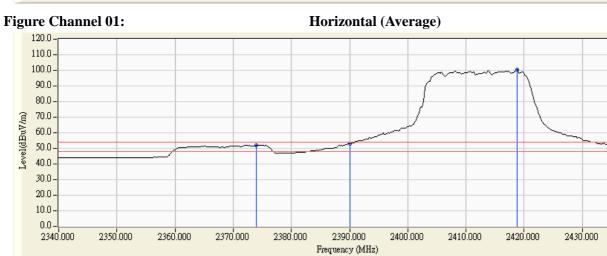
Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11g 6Mbps)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.000	31.737	41.417	73.155	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	38.436	70.175	74.00	54.00	Pass
01 (Peak)	2414.000	31.776	79.624	111.401			Pass
01(Average)	2374.000	31.727	20.026	51.752	74.00	54.00	Pass
01(Average)	2390.000	31.739	21.368	53.107	74.00	54.00	Pass
01 (Average)	2418.800	31.788	68.514	100.302			Pass





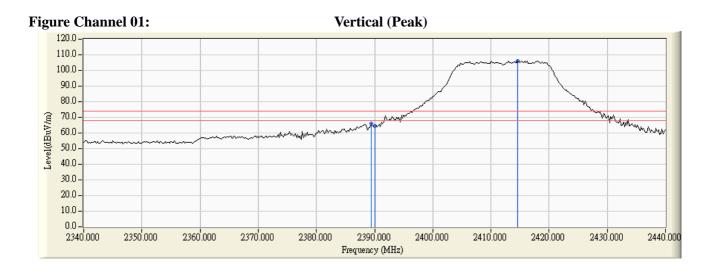


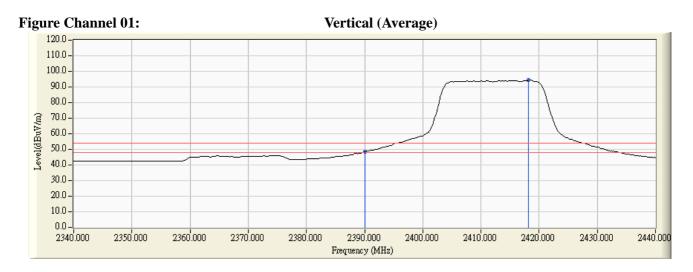
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2389.400	30.271	35.681	65.952	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	34.377	64.644	74.00	54.00	Pass
01 (Peak)	2414.600	30.261	75.805	106.066			Pass
01 (Average)	2390.000	30.267	18.220	48.487	74.00	54.00	Pass
01 (Average)	2418.200	30.277	64.075	94.352			Pass



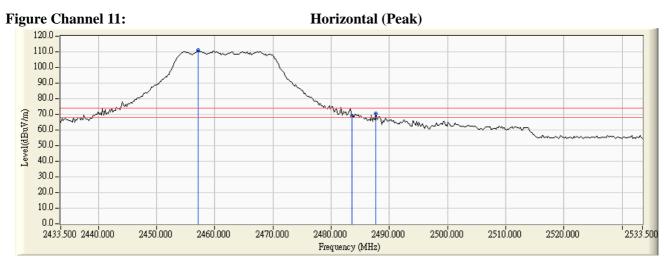


- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

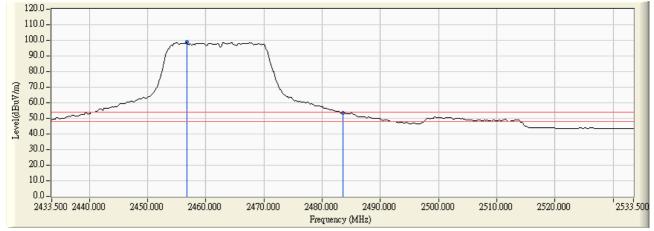
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2457.100	31.881	79.023	110.903			Pass
11 (Peak)	2483.500	31.951	37.060	69.010	74.00	54.00	Pass
11 (Peak)	2487.700	31.961	38.653	70.614	74.00	54.00	
11 (Average)	2456.700	31.879	66.989	98.868			Pass
11 (Average)	2483.500	31.951	21.643	53.593	74.00	54.00	Pass





Horizontal (Average)

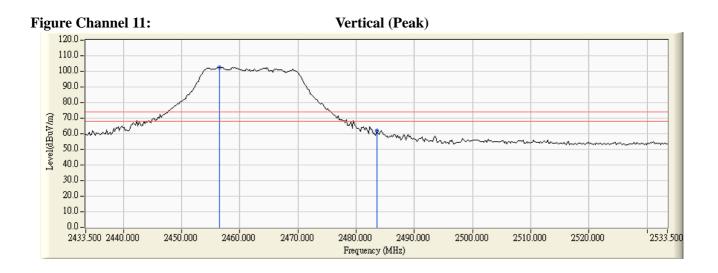


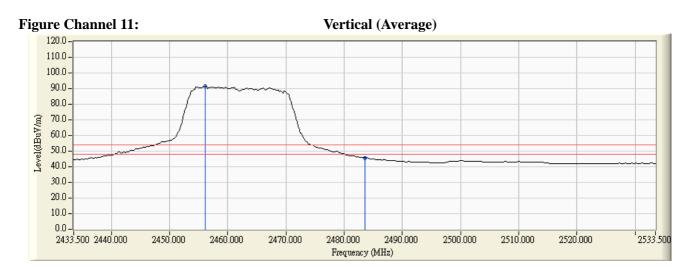
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
11 (Peak)	2456.500	30.454	72.281	102.735			Pass
11 (Peak)	2483.500	30.586	31.619	62.204	74.00	54.00	Pass
11 (Average)	2456.100	30.452	61.064	91.516			Pass
11 (Average)	2483.500	30.586	14.976	45.561	74.00	54.00	Pass



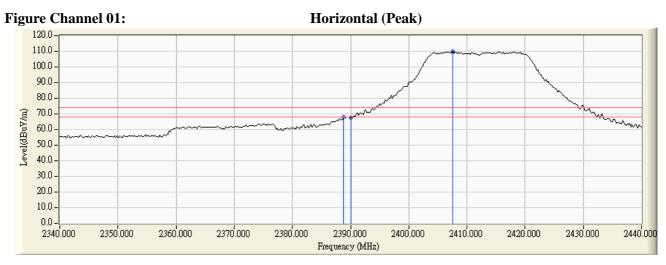


- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

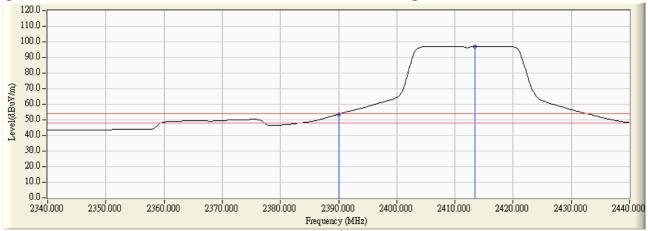
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2388.800	31.738	36.117	67.855	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	35.572	67.311	74.00	54.00	Pass
01 (Peak)	2407.600	31.764	78.018	109.782			Pass
01 (Average)	2390.000	31.739	21.924	53.663	74.00	54.00	Pass
01 (Average)	2413.400	31.775	65.371	97.146			Pass





Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
Channel No.	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
01 (Peak)	2389.800	30.268	38.117	68.385	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	34.860	65.127	74.00	54.00	Pass
01 (Peak)	2407.400	30.243	75.215	105.458			Pass
01 (Average)	2390.000	30.267	19.145	49.412	74.00	54.00	Pass
01 (Average)	2410.400	30.244	62.585	92.829			Pass

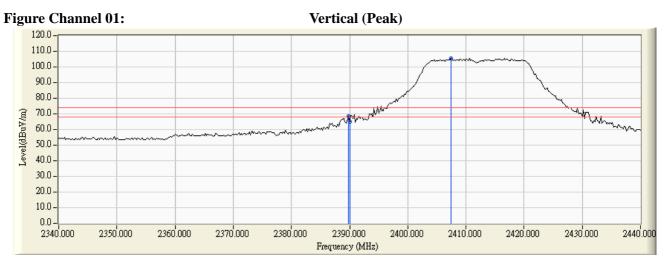
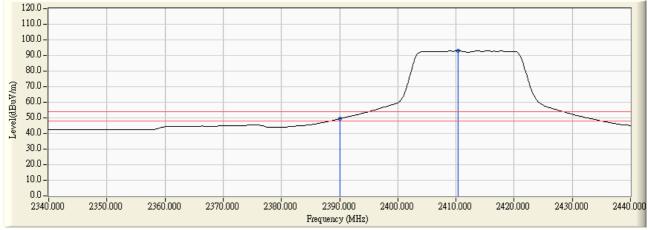


Figure Channel 01:

Vertical (Average)

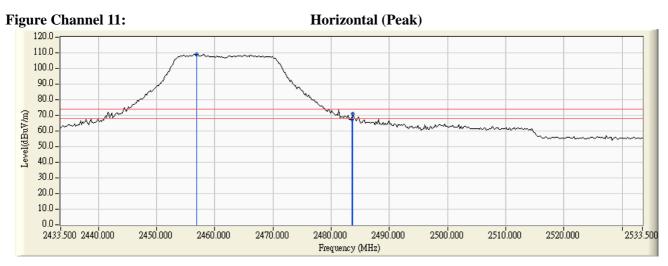


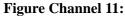
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

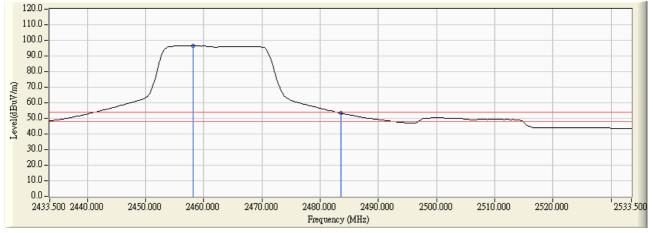
RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
11 (Peak)	2456.900	31.880	77.164	109.044			Pass
11 (Peak)	2483.500	31.951	35.435	67.385	74.00	54.00	Pass
11 (Peak)	2483.700	31.951	38.840	70.790	74.00	54.00	Pass
11 (Average)	2458.100	31.883	64.537	96.420			Pass
11 (Average)	2483.500	31.951	21.445	53.395	74.00	54.00	Pass





Horizontal (Average)



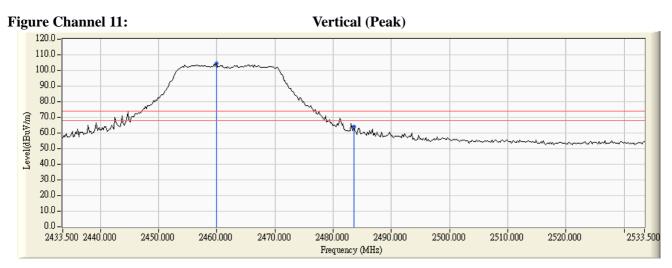
- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

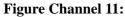


Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

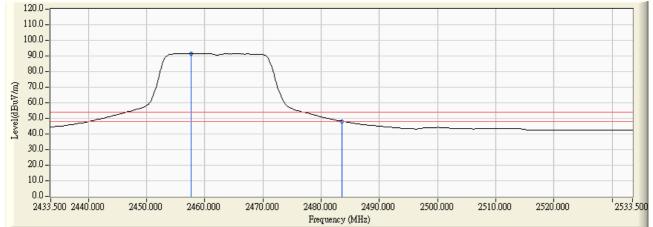
RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
11 (Peak)	2459.900	30.470	74.031	104.501			
11 (Peak)	2483.500	30.586	33.245	63.830	74.00	54.00	Pass
11 (Average)	2457.700	30.460	61.061	91.521			
11 (Average)	2483.500	30.586	17.582	48.167	74.00	54.00	Pass





Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2390.000	31.739	37.406	69.145	74.00	54.00	Pass
01 (Peak)	2435.200	31.826	72.969	104.796			Pass
01 (Average)	2390.000	31.739	21.982	53.721	74.00	54.00	Pass
01 (Average)	2425.800	31.805	59.369	91.174			Pass

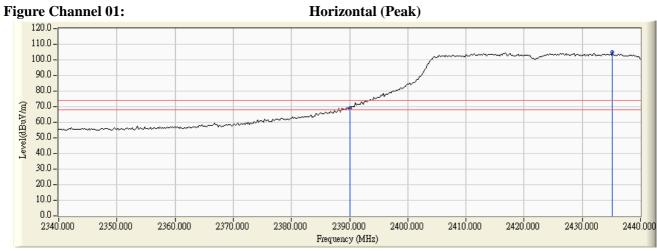
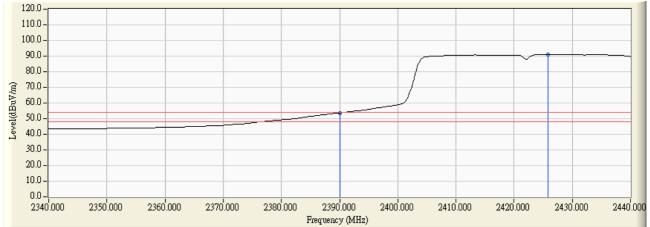


Figure Channel 01:

Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
01 (Peak)	2388.800	30.275	32.114	62.389	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	31.908	62.175	74.00	54.00	Pass
01 (Peak)	2410.200	30.244	67.891	98.135			Pass
01 (Average)	2390.000	30.267	17.619	47.886	74.00	54.00	Pass
01 (Average)	2424.400	30.305	54.786	85.091			Pass

Figure Channel 01:

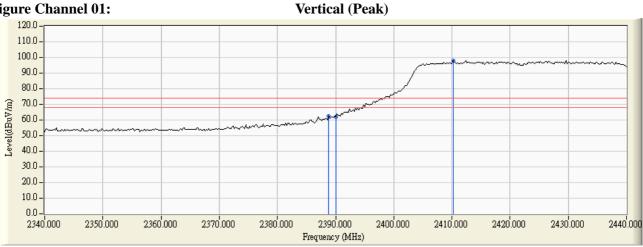
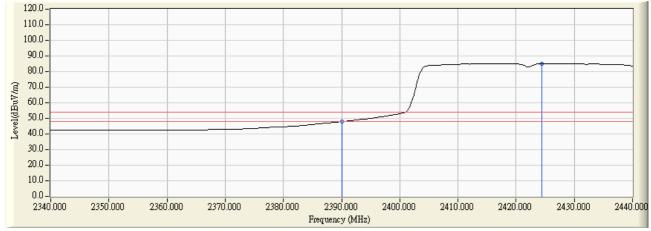


Figure Channel 01:

Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Result
07 (Peak)	2465.100	31.900	72.119	104.020			Pass
07 (Peak)	2483.500	31.951	37.592	69.542	74.00	54.00	Pass
07 (Average)	2458.300	31.883	58.812	90.695			Pass
07 (Average)	2483.500	31.951	21.345	53.295	74.00	54.00	Pass

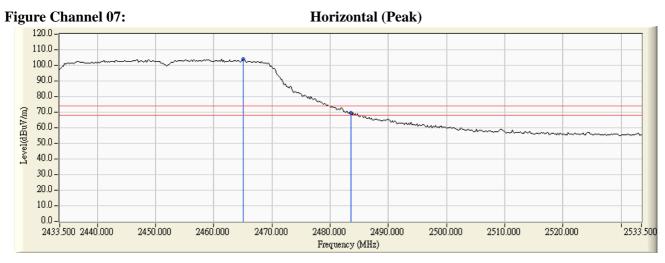
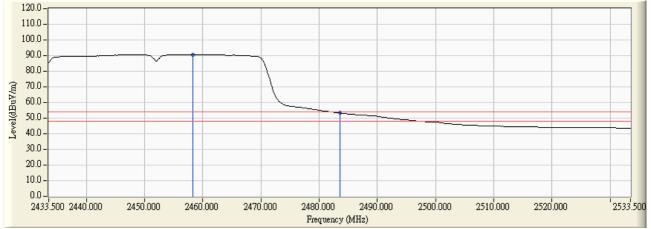


Figure Channel 07:

Horizontal (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

RF Radiated Measurement (Vertical):

Channel No.	Frequency	Correct Factor	Reading Level	Emission Level	Peak Limit	Arerage Limit	Result
	(MHz)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dBuV/m)	Kesuit
07 (Peak)	2442.100	30.386	65.931	96.316			Pass
07 (Peak)	2483.500	30.586	29.439	60.024	74.00	54.00	Pass
07 (Average)	2447.900	30.412	52.504	82.916			Pass
07 (Average)	2483.500	30.586	14.876	45.461	74.00	54.00	Pass



Vertical (Peak)

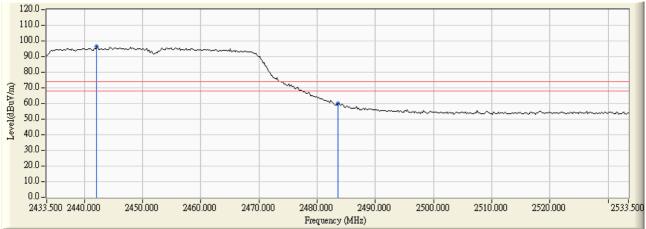
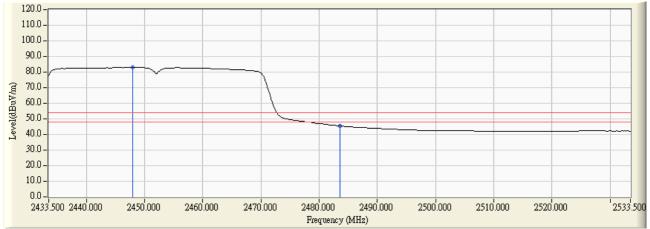


Figure Channel 01:

Vertical (Average)



- 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. "*", means this data is the worst emission level.
- 5. Measurement Level = Reading Level + Correct Factor.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit - 802.11a 6Mbps

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5745	33.824	>30	PASS

RF 50	IΩ AC	SENSE: INT	ALIGNAUTO	03:26:22 PM Oct 25, 2012	English
enter Freq 5.725		Trig: Free Run	Avg Type: Log-Pwr	TRACE 123456 TYPE MWWWWW	Frequency
	PNO: Fast G IFGain:Low	#Atten: 30 dB		DET P N N N N N	
	ii odineon		Mk	r1 5.739 9 GHz	Auto Tun
0 dB/div Ref 20.0) dDm		IVIN	1.65 dBm	
0 dB/div Ref 20.0				1.00 a.b.ii	
10.0			1		Center Fre
0.00			m. m. m		5.725000000 GI
10.0			MMMY		0.1200000000
0.0					
		2 . Hu	M N	-28.35 dBm	Start Fr
30.0		The state of the s		twony	5.675000000 G
40.0		phaneter and		Mart	
0.0	Walter Har Hall St. Day Day & Barrista			Martighterrow	
60.0					Stop Fre
70.0					5.775000000 G
enter 5.72500 GHz				Span 100.0 MHz	CF Ste
Res BW 100 kHz	#VBI	N 1.0 MHz	#Sweep	500 ms (1001 pts)	10.000000 M
KR MODE TRC SCL	×	Y FL	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
1 N 1 f 2 N 1 f	5.739 9 GHz 5.725 0 GHz	1.65 dBm			
2 N 1 F	5.725 U GHZ	-32.174 dBm	1		F 0ff-
4					Freq Offs
5					0
7					
8					
0					
			1		
1					
			STATUS		

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit - 802.11a 6Mbps

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5745	31.859	>30	PASS

Frequency	03:25:08 PM Oct 25, 2012 TRACE 1 2 3 4 5 6	ALIGNAUTO ype: Log-Pwr	Avg	SENSE	2 AC	RF 50 S	nter Fr
Auto Tu	TYPE MWWWWWW DET PNNNNN		n		PNO: Fast IFGain:Low		
Auto It	r1 5.738 6 GHz 2.11 dBm	Mki			dBm	Ref 20.00	B/div
Center F			1)
5.725000000		and water starting	partice of				
		he	and a	2			
Start Fi	-27.89 dBm		Helloweller				
5.675000000	What which the service of the servic			Lander Marting	1 100 KC 100 K		
				NA.	1.5		
					and some and a shift a shift a shift a	well smorter and hit	marchalan
Stop Fi	197 B 17.				in Manuary with the port of the	and proversion and the	1
Stop Fi 5.775000000 0					in Mar and Fighter Son		
5.775000000 C CF S1	Span 100.0 MHz 500 ms (1001 pts)	#Sweep		BW 1.0 MHz		2500 GHz	
5.775000000	Span 100.0 MHz 500 ms (1001 pts)	#Sweep :	FUNCTION	BW 1.0 MHz	#V	2500 GHz 00 kHz	nter 5.7 es BW 1 MODE TRO
5.775000000 CF St 10.000000 N	Span 100.0 MHz 500 ms (1001 pts)		FUNCTION		#V	2500 GHz 00 kHz	nter 5.7 es BW 1
5.775000000 C CF Si 10.000000 M <u>Auto M</u> Freq Off	Span 100.0 MHz 500 ms (1001 pts)		FUNCTION	BW 1.0 MHz 2.11 dBm	#V 5.738 6 GHz	2500 GHz 00 kHz	nter 5.7 es BW 1 MODE TRO
5.775000000 C CF St 10.000000 M <u>Auto</u> M	Span 100.0 MHz 500 ms (1001 pts)		FUNCTION	BW 1.0 MHz 2.11 dBm	#V 5.738 6 GHz	2500 GHz 00 kHz	nter 5.7 es BW 1 MODE TRO
5.775000000 C CF Si 10.000000 M <u>Auto M</u> Freq Off	Span 100.0 MHz 500 ms (1001 pts)		FUNCTION	BW 1.0 MHz 2.11 dBm	#V 5.738 6 GHz	2500 GHz 00 kHz	nter 5.7 es BW 1 MODE TRO
5.775000000 C CF Si 10.000000 M <u>Auto M</u> Freq Off	Span 100.0 MHz 500 ms (1001 pts)		FUNCTION	BW 1.0 MHz 2.11 dBm	#V 5.738 6 GHz	2500 GHz 00 kHz	nter 5.7 es BW 1 MODE TRO

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit - 802.11a 6Mbps

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5825	49.249	>30	PASS

RF 50 G		SENSE:INT	ALIGN AUTO	03:31:09 PM Oct 25, 2012	Frequency
enter Freq 5.8500	100000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	
dB/div Ref 20.00	dBm		Mk	r1 5.819 9 GHz 1.18 dBm	Auto Tui
Pg	1				Center Fr
.00	hardman				5.850000000 G
0.0	- V	41.		-28.82 dBm	Start Fr
0.0		2			5.80000000 G
1.0		and the second s	with the president of the second of the	มปารสารารารระระบารระบารีการเป็นรูประกอบที่ประชา	Stop Fr
1.0					5.900000000 G
enter 5.85000 GHz Res BW 100 kHz	#VE	3W 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts)	CF St 10.000000 M
R MODE TRC SCL	× 5.819 9 GHz	1.18 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto N
2 N 1 f 3	5.850 0 GHz	-48.069 dBm			Freq Offs
3					0
7					
2					

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit - 802.11a 6Mbps

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5825	48.881	>30	PASS

RF 50 Ω	AC	SENSE:INT	ALIGNAUTO	03:31:50 PM Oct 25, 2012	-
enter Freq 5.8500	00000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
dB/div Ref 20.00	dBm		Mk	r1 5.819 9 GHz 1.632 dBm	Auto Tur
9 00 00	1				Center Fre 5.85000000 Gi
0.0 0.0 0.0		Portuge 2		-28.37 dBm	Start Fr 5.80000000 G
).0).0 .0			the presidence of the theory of the	hannetten and an and a start of the start of	Stop Fr 5.90000000 G
enter 5.85000 GHz tes BW 100 kHz		W 1.0 MHz		Span 100.0 MHz 500 ms (1001 pts)	CF Ste 10.000000 M
N 1 f 2 N 1 f 3 - - -	× 5.819 9 GHz 5.850 0 GHz	1.632 dBm -47.249 dBm	JNCTION FUNCTION WIDTH	PUNCTION VALUE	Auto M Freg Offs
1 5 7					0
3					

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5745	34.783	>30	PASS

RF	er - Swept SA 50 Ω AC	SENSE:INT	ALIGNAUTO	03:27:15 PM Oct 25, 2012	_
enter Freq 5.	725000000 GHz		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB		DET P N N N N N	
			Mk	r1 5.739 3 GHz	Auto Tun
0 dB/div Ref 2	0.00 dBm			1.82 dBm	
.og					
10.0			→ ¹		Center Fre
0.00			Introduction of the spectrum of the		5.725000000 GH
10.0					
20.0		2			Otort Fra
30.0				-28.18 dBm	Start Fre 5.675000000 GH
40.0		1		Thursday Ball	5.675000000 GF
50.0	and a state of the second seco	Halanderhandbardbard		Contraction of the second	
60.0	haber-faith from t				Stop Fre
70.0					5.775000000 GH
10.0					
enter 5.72500 0				Span 100.0 MHz	CF Ste
Res BW 100 kH	z #VE	BW 1.0 MHz	#Sweep	500 ms (1001 pts)	10.000000 MH
ikr mode trc scl	X		JNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
1 N 1 f 2 N 1 f	5.739 3 GHz 5.725 0 GHz	1.82 dBm -32.963 dBm			
3	3.725 0 6112				Freq Offs
4 5					01
6					01
7					
8 9					
8 9 10					
8 9					

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5745	31.195	>30	PASS

	50 Ω AC	SENSE:INT	ALIGN AUTO	03:28:15 PM Oct 25, 2012	-
enter Freq 5.7	725000000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	Frequency
0 dB/div Ref 20	0.00 dBm		Mk	r1 5.738 7 GHz 1.64 dBm	Auto Tun
.og 10.0 0.00 10.0			1-		Center Fre 5.725000000 GH
20.0 30.0 40.0		2 hatternative and the second of the second	× \	-28.36 dBm	Start Fre 5.675000000 GH
50.0	here and a surger of the second s				Stop Fre 5.775000000 Gł
enter 5.72500 G Res BW 100 kH		W 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts) EUNCTION VALUE	CF Ste 10.000000 Mi Auto Mi
1 N 1 f 2 N 1 f	5.738 7 GHz 5.725 0 GHz	1.64 dBm -29.555 dBm			Freq Offs
3 4 5					01
3 4					01

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5825	47.469	>30	PASS

	50 Ω AC	SENSE			03:30:32 PM Oct 25, 2012	Energyana
enter Freq 5.85	50000000 GHz PN0: Fa	Trig: Free Ri		e: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	IFGain:L			Milard	5.821 2 GHz	Auto Tun
	00 dBm			IVIKEI	5.821 2 GHz 1.67 dBm	
og 0.0	1					Center Fre
.00	Maral and a surface of the second					5.85000000 GI
0.0						
0.0		Martinelister 2			-28.33 dBm	Start Fre 5.80000000 G
C.		A A				5.8000000 G
0.0		~	wind the and the statement	mene-meneration	randedum an Languard Maran	Stop Fr
0.0						5.90000000 GI
enter 5.85000 GH					Span 100.0 MHz	CF Ste
Res BW 100 kHz		VBW 1.0 MHz	FUNCTION FL		00 ms (1001 pts)	10.000000 M
1 N 1 f 2 N 1 f	× 5.821 2 GH 5.850 0 GH	z 1.67 dBm		INCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
2 N I I 3 4	5.850 0 GH	-45.799 uBiii				Freq Offs
5 6						01
7						
9						
1						
2		1				

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5825	41	>30	PASS

RF 50 \$	2 AC	SENSE:INT	ALIGN AUTO	03:29:43 PM Oct 25, 2012	-
enter Freg 5.8500	DOOOOO GHz PNO: Fast IFGain:Low	➡ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P N N N N N	Frequency
) dB/div Ref 20.00	dBm		Mk	r2 5.850 0 GHz -38.03 dBm	Auto Tur
0.0 0.00 0.00	1 1				Center Fre 5.85000000 GH
0.0 0.0 0.0		Nr. Wishington and Antonia Strategic Antonia Str		-27.03 dBm	Start Fre 5.80000000 Gł
0.0				างอาการการีและระกระปุลใหญ่และหว่างระไทย 	Stop Fre 5.90000000 GF
enter 5.85000 GHz Res BW 100 kHz G MODE TRE SCL	#VB	W 1.0 MHz	#Sweep	Span 100.0 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Ste 10.000000 M Auto M
1 N 1 f 2 N 1 f 3	5.823 7 GHz 5.850 0 GHz	2.97 dBm -38.03 dBm			
4 5 6 6					Freq Offs 0 I
7 8 9					
o l					

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5755	31.8	>30	PASS

	Ω AC	SENSE:INT	ALIGNAUTO	03:54:50 PM Oct 25, 2012	
enter Freq 5.7250	000000 GHz PNO: Fast C IFGain:Low	Trig: Free Run #Atten: 20 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N N	
0 dB/div Ref 10.00	dBm		Mkr	1 5.742 40 GHz -1.86 dBm	
og			♦ 1		Center Fre
0.0			weiterition for some restores where the	~	5.725000000 GH
0.0		2			
.0		and the work of the second		-31.86 dBm	Start Fre
	- trapped and a start white	*		1. Spiter Linn welden	5.65000000 G
D.0					
0.0					Stop Fre 5.800000000 G
0.0					5.80000000 Gr
enter 5.72500 GHz	#VB	W 1.0 MHz	#Sweep	Span 150.0 MHz 500 ms (1001 pts)	CF Ste
enter 5.72500 GHz Res BW 100 kHz	#VB	W 1.0 MHz	#Sweep	Span 150.0 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Ste 15.000000 MI
enter 5.72500 GHz Res BW 100 kHz			•	500 ms (1001 pts)	CF Ste 15.000000 MI
enter 5.72500 GHz Res BW 100 kHz G MODE FRE SCL 1 N 1 f 2 N 1 f 3 A 4	× 5.742 40 GHz	Y F	•	500 ms (1001 pts)	CF Ste 15.000000 Mi Auto Freq Offs
enter 5.72500 GHz Res BW 100 kHz	× 5.742 40 GHz	Y F	•	500 ms (1001 pts)	CF Ste 15.000000 Mi Auto Freq Offs
enter 5.72500 GHz Res BW 100 kHz XF MODE TRE SCL 1 N 1 f 2 N 1 f 3 4 5 5 6 7 7 7 8	× 5.742 40 GHz	Y F	•	500 ms (1001 pts)	CF Ste 15.000000 Mi
enter 5.72500 GHz Res BW 100 kHz 38 M002 FIEC SCI 1 N 1 f 2 N 1 f 3 4 4 5 5 6 7	× 5.742 40 GHz	Y F	•	500 ms (1001 pts)	CF Ste 15.000000 Mi Auto Freq Offs

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5755	32.51	>30	PASS

ilent Spectrum Analyzer - RF 5	DΩ AC	SENSE: IN	ALIGNAUTO	03:54:11 PM Oct 25, 2012	1
enter Freq 5.72	5000000 GHz		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	PNO: Fast IFGain:Low			DET P N N N N N	Auto Tur
dB/div Ref 10.0	0 dBm		Mkr	1 5.741 20 GHz -1.30 dBm	Auto Tur
og			▲ 1		
0.00			participation par and an	He.	Center Fre
0.0					5.725000000 GI
0.0		2	A.	-31.30 dBm	
0.0		utin alerran prise that the		and the start of the	Start Fr
	all and a support	Land and a second se			5.65000000 G
Lorden white	Anger - Annong - Deland and a state of the				
0.0					Stop Fr
0.0					5.80000000 G
enter 5.72500 GHz Res BW 100 kHz		BW 1.0 MHz	#Swoon	Span 150.0 MHz 500 ms (1001 pts)	CF St
	20.02			/	15.000000 M
KR MODE TRC SCL	× 5.741 20 GHz	-1.30 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
2 N 1 f 3	5.725 00 GHz	-33.810 dBm			-
4					Freq Offs
6					0
8					
9					
0					
2					
G			STATUS		

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5795	50.56	>30	PASS

	50 Ω AC	SENSE:INT	ALIGN AUTO	03:37:48 PM Oct 25, 2012	Frequency
enter Freq 5.85	0000000 GHz PN0: Fast	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	IFGain:Low				Auto Tun
dB/div Ref 10.	00 dBm		IVIKE	2 5.850 00 GHz -50.59 dBm	
00 Julian mar and	Uhren ada .				Center Fre
0.0			_		5.850000000 GI
).0 	han			-30.03 dBm	
1.0		2			Start Fre
).0			ni Maria ang ang ang ang ang ang ang ang ang an		5.775000000 G
0.0			when we do with the second second	mounterman	
).0).0					Stop Fr 5,925000000 G
214 J					
enter 5.85000 GH Res BW 100 kHz		BW 1.0 MHz	#Sweep	Span 150.0 MHz 500 ms (1001 pts)	CF Ste 15.000000 M
R MODE TRC SCL	×		UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
1 N 1 f 2 N 1 f	5.781 15 GHz 5.850 00 GHz	-0.03 dBm -50.59 dBm			
3					Freq Offs
5					0
3					
2					
3			STATUS		

Product	:	Router
Test Item	:	Band Edge
Test Site	:	No.3 OATS
Test Mode	:	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

Test Frequency	Measurement Level	Limit	Result
(MHz)	Δ (dB)	Δ (dB)	
5795	44.885	>30	PASS

	2 AC	SENSE:INT	ALIGN AUTO	03:38:41 PM Oct 25, 2012	F
enter Freq 5.8500			Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 20 dB		DET P N N N N N	
	ii dunicow		Mize	1 5.789 85 GHz	Auto Tun
	19. <u>1</u>		IVINI	-1.29 dBm	
0 dB/div Ref 10.00	dBm			-1.29 ubiii	
					Center Fre
1.00 Luninde ration warme	Artistation and a second second				
/ V					5.85000000 GI
20.0	hu.				
80.0	We wanter and	Mark Law Street		-31.29 dBm	
0.0		2			Start Fre
0.0			(c)		5.775000000 G
		an design	- the many many have been a service of the service		
0.0				all and the second had here	
0.0					Stop Fre
0.0					5.925000000 G
enter 5.85000 GHz				Span 150.0 MHz	
Res BW 100 kHz	#VE	3W 1.0 MHz	#Sweep	500 ms (1001 pts)	CF Ste 15.000000 M
KR MODE TRC SCL	×	Y	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
	5.789 85 GHz	-1.29 dBm		TONOTION VACOL	<u>Auto</u> III
1 N 1 f		-46.175 dBm			
2 N 1 f	5.850 00 GHz	40.110 0.011			
2 N 1 f 3	5.850 00 GHz	40.110 0.011			Freq Offs
2 N 1 f 3 4	5.850 00 GHz				Freq Offs
2 N 1 f 3 4 5 6	5.850 00 GHz				
2 N 1 f 3 4 5 6 7 8	5.850 00 GHz				Freq Offs 01
2 N 1 f 3 4 5 5 7 8	5.850 00 GHz				
2 N 1 f 3	5.850 00 GHz				
2 N 1 f 3	5.850 00 GHz				