Company	Name:			Project N	Project No.: Tim			Time & Date				
TOSHIBA	Q.			03U1876	5	5:20:00 PM April 29, 2003						
REF 10.00	dBm	ATTEN	20 dB	1	1	2064 GHz	Iz -10.30 dBm					
POS PK LOG 10 dB/				_								
	rur	-	runner	ware ware	m	m	m	more	www			
DL		5		-		<del></del>	2	-				
8.0 dBm				_			-					
RL OFFST							-					
1.7 dB												
CENTER 5	.82060 0	Hz					SPAN 3	00.0000	) KHz			
CCS R	RES BW 3 KHz				VID BW 10 KHz			SWP 100.00 sec				
				HI CH (5.825G								

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#### PPSD (5.8 GHZ BAND, TURBO MODE)

Company	Name:			Project No.:	Project No.: Time & Date						
TOSHIBA	4			03U1876-3	2:15:00	2:15:00 PM April 30, 2003					
REF 10.0	0 dBm	ATTEN	20 dB	]	MKR 5.7	76515 GHz	-14.30 dBr	0 dBm			
OG 10 IB/					-						
	ann	when	min	man	mm	nnow	mon	un			
DL				<u> </u>	8	-	<del>6</del>				
8.0 dBm	-							_			
RL OFFST											
1.7 dB								_			
CENTER !	5.76530 G	Hz			-	SPAN 3	00.00000 KH	Hz			
CCS R	ES BW 3 K	Hz		VID BW 10 KH	z	SWP 100.00 sec					

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Company	Name:			Project	No.:	Time & Da	ate				
TOSHIBA	4			03U187	76-3	2:50:40 PM April 30, 2003					
REF 10.0	0 dBm	ATTEN	20 dB	]	MKR 5.79001 GHz -11.1						
POS PK LOG 10 dB/		-						-			
	m	m	-	sh ng kumum		with an art of the second	m	num	m		
DL		<del>.</del>		-				2			
8.0 dBm											
RL OFFST											
1.7 dB											
CENTER	5.79000 Gi	Hz					SPAN 3	00.0000	) KHz		
CCS R	CS RES BW 3 KHz			VID BW	VID BW 10 KHz			SWP 100.00 sec			
				HI CH (5.80G _M/N: 3297U		T=16dBm_	TURBO_F	сс			

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## 7.5. CONDUCTED SPURIOUS EMISSIONS

## LIMITS

§15.247 (c) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in§15.205(a), must also comply with the radiated emission limits specified in §15.205(c)).

### TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 100 kHz.

Measurements are made over the 30 MHz to 26.5 GHz range with the transmitter set to the lowest, middle, and highest channels within the 2.4 GHz band.

Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels within the 5.8 GHz band.

#### **RESULTS**

No non-compliance noted:

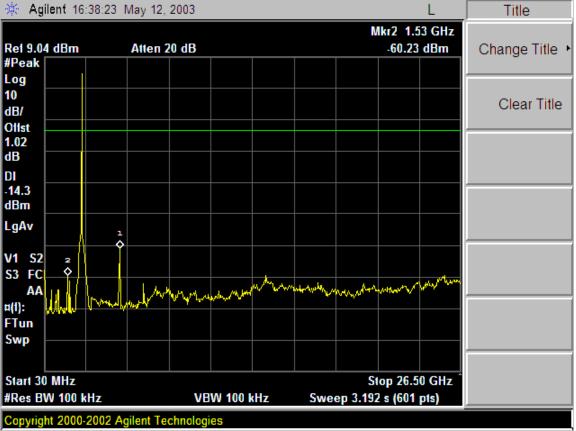
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#### CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ BAND b MODE)



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# (conducted spurious low channel)



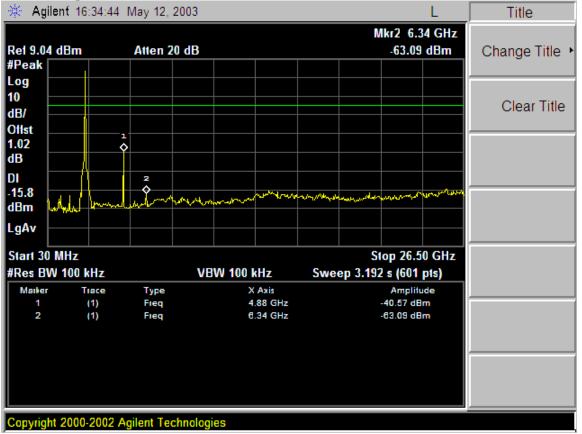
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#### (reference middle channel)



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#### (conducted spurious middle channel)



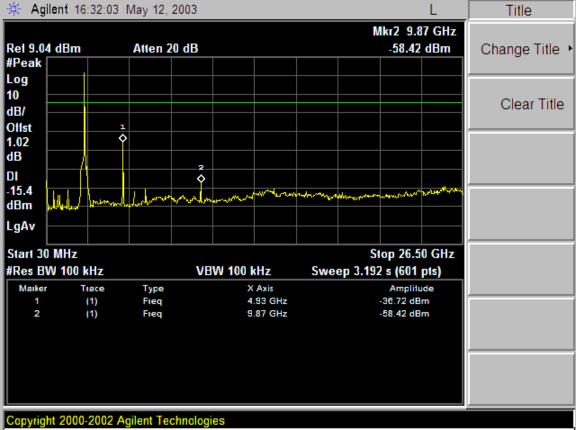
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#### (bandedge high channel)



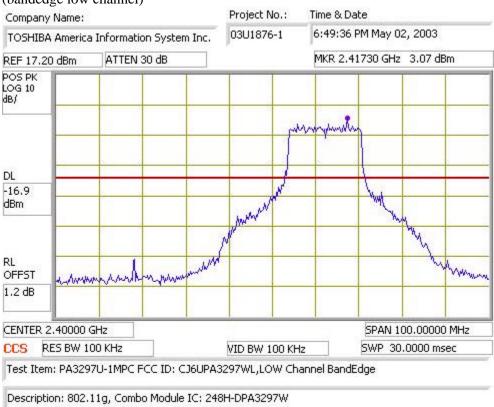
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## (conducted spurious high channel)



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## **<u>CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ BAND g NORMAL MODE)</u>** (bandedge low channel)



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#### REPORT NO: 03U1876-1 EUT: 802.11 a/b/g\_Combo Mini\_PCI Module\_\_\_\_

Contractories	cted spu y Name:	rious io	w chani	ier)	Project No	Time & D	me & Date				
TOSHIB	A America	Informat	ion Syste	m Inc.	03U1876-	1	6:51:18	PM May 0	2, 2003		
REF 17.2	20 dBm	ATTEN	1 30 dB		MKR 2			7600 GHz	-45.7	) dBm	
POS PK LOG 10 dB/											
	-	-							1		
DL		0	-				2	-	1	-	
-16.9 dBm	-										
RL OFFST								.1	Nh	walking	
1.2 dB	muren	unn	manna	mm	aturent	n n n n n n n n n n n n n n n n n n n	winnin	appropriate	v 10	hely Calendaria	
START 3	0.00000 N	1Hz	1					STOP 2	.90000	GHz	
CCS	RES BW 10	00 KHz			VID BW 10	0 KHz		SWP 86	1.0000	msec	

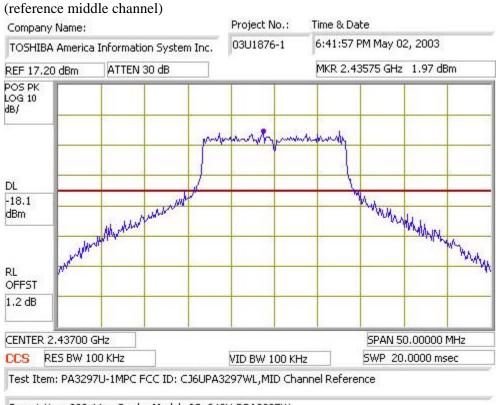
Description: 802.11g, Combo Module IC: 248H-DPA3297W

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Project No.	: Time & Date
ystem Inc. 03U1876-1	6:53:20 PM May 02, 2003
IB	MKR 22.94000 GHz -34.40 dBm
munim	man man and a second
1 1 1	STOP 26.00000 GHz
VID BW 100	KHz SWP 6.93 sec
	iystem Inc. 03U1876-1

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#### REPORT NO: 03U1876-1 EUT: 802.11 a/b/g\_Combo Mini\_PCI Module\_



Description: 802.11g, Combo Module IC: 248H-DPA3297W

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#### REPORT NO: 03U1876-1 EUT: 802.11 a/b/g\_Combo Mini\_PCI Module\_\_\_\_

Get Transformers	y Name:	11005 111	ddle channel	Project No.:	Time	& Date	
TOSHIE	A America	Informat	on System Inc.	03U1876-1	6:45	5:01 PM May 02	2, 2003
REF 17.20 dBm ATTEN 30 dB					MKR	2.34000 GHz	-45.81 dBm
POS PK LOG 10 dB/							
DL							
-18.1 dBm							
RL OFFST						Į.	
1.2 dB	which	inner	hummundelike		man	-wanter and	1 Martin Martin
START 3	0.00000 N	1Hz				STOP 2.	90000 GHz
CCS	RES BW 10	DO KHz		VID BW 100 KH	łz	SWP 86	1.0000 msec

Description: 802.11g, Combo Module IC: 248H-DPA3297W

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Compa	any Name:			F	Project N	lo.:	Time & Da	ne & Date				
TOSH	IBA America :	Informati	on System Inc	. I	03U1876	5-1	6:46:23 PM May 02, 2003					
REF 17	7.20 dBm	ATTEN	30 dB				MKR 22.9	94000 GH	z -33.36	6 dBm		
POS PK LOG 10 dB/												
DL												
-18.1 dBm		-		-	-			-				
						1.55.075	a monda	um	with	um		
RL OFFST 1.2 dB	- No. 1	mandre	mynn	m	Marrie 1	chere not						
START	2.90000 GH:	z		_				STOP 2	6.00000	GHz		
CCS RES BW 100 KHz				Ň	VID BW 100 KHz			SWP 6.93 sec				
			CC ID: CJ6UF	PA329	97WL,MI	D Chanr	nel Spur					

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Company Name:		,	Project N	lo.:	Time & Da	Date				
TOSHIBA Americ	a Informati	on System Inc.	03U1876	-1	6:15:17 PM May 02, 2003					
REF 17.20 dBm	ATTEN	30 dB			MKR 2.46	6688 GHz	2.75 dt	3m		
POS PK LOG 10 dB/										
working	Amerika	wy								
DL		hu.			<u></u>					
dBm		april 1	Munt.							
			" WANN	Vier						
RL OFFST				24	Mannak	man	Muchalla	M. Tun		
1.2 dB										
CENTER 2.48350 GHz		-				5PAN 50.00000 MHz				
CCS RES BW	S RES BW 100 KHz					SWP 20.0000 msec				

(bandegde high channel)

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#### REPORT NO: 03U1876-1 EUT: 802.11 a/b/g\_Combo Mini\_PCI Module\_\_\_\_

Company	and the second second	lious III	gh chann	el)	Project N	o.:	Time & D	Time & Date					
TOSHIB	A America	Informat	ion System	Inc.	03U1876-1		6:21:01	PM May 0	02, 2003				
REF 17.2	:0 dBm	ATTEN	30 dB				MKR 46	0.00000 N	1Hz -56.4	99 dBr	m		
POS PK LOG 10 dB/													
DL -17.3 dBm													
RL OFFST	-								ł.				
1.2 dB	wind	a wantedo	man	when	worken	Mun	anton	Musedula	numental	× :	-Wa		
START 3	2.00000 M	IHz		-	-		-	STOP 2	2.60000 G	Hz			
CCS F	RES BW 10	IO KHz			VID BW 1	00 KH	z	SWP 77	71.0000 m	nsec			

Description: 802.11g, Combo Module IC: 248H-DPA3297W

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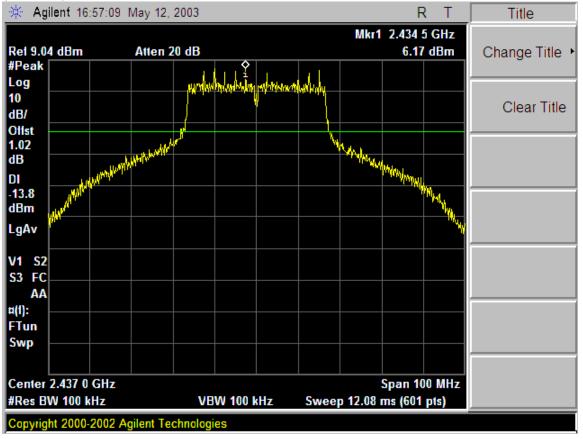
Company	Name:				Project No.:	Time 8	& Date	Date			
TOSHIBA	America	Informat	ion System	Inc.	03U1876-1 6:29		:51 PM May 02, 2003				
REF 17.20	) dBm	ATTEN	30 dB			MKR	25,08000	Hz -33.8	2 dBm		
POS PK LOG 10 dB/											
DL -17.3 dBm											
RL OFFST 1.2 dB		and	a Maradan	m	an marine and	mun	-w-	mun			
START 2.9	90000 GH	lz				-	STOP	26.00000	GHz		
CCS RE	ES BW 10	0 KHz			VID BW 100 K	Hz	SWP 6	SWP 6.93 sec			

Description: 802.11g, Combo Module IC: 248H-DPA3297W

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#### CONDUCTED SPURIOUS EMISSIONS (2.4 GHZ BAND g TURBO MODE)

#### (reference)



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