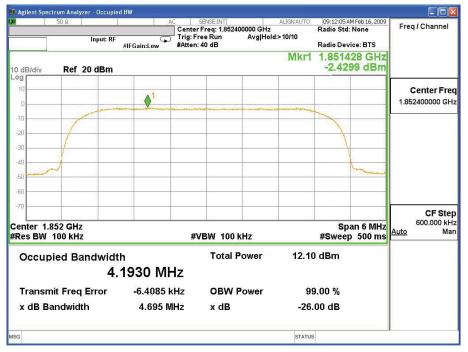
Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II		

WCDMA BAND II - Packet Switched (WCDMA Mode CH 9262)

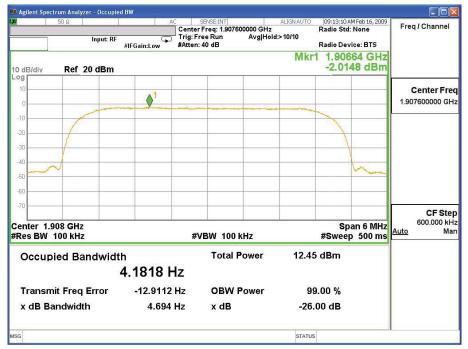


WCDMA BAND II - Packet Switched (WCDMA Mode CH 9400)

Agilent Spectrum Analyzer - Occupied B					
4 50 Ω Input: RF #	Tr	SENSE:INT enter Freq: 1.880000000 GF ig: Free Run Avg H itten: 40 dB	ALIGNAUTO Iz Iold:>10/10	09:12:34 AM Feb 1 Radio Std: None Radio Device: B	Freq / Channel
0 dB/div Ref 20 dBm	1		Mkr1	1.879034 (-2.3366 c	
0	● ¹		an commentation of the second		Center Fre
-10					_
-40					
60					
enter 1.88 GHz				Span 6	CF Ste 600.000 kH
Res BW 100 kHz		#VBW 100 kHz		#Sweep 50	
Occupied Bandwidth	.1907 Hz	Total Power	12.08	3 dBm	
Transmit Freg Error	-7.1887 Hz		0	9.00 %	
x dB Bandwidth	4.691 Hz			00 dB	
3			STATUS	5	

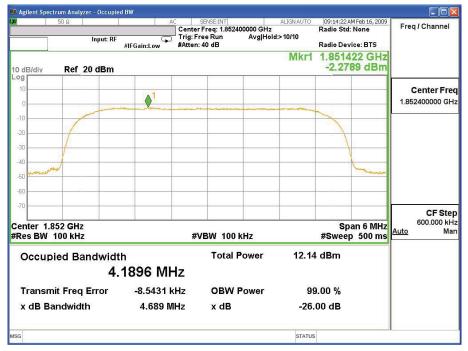
Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II		

WCDMA BAND II - Packet Switched (WCDMA Mode CH 9538)

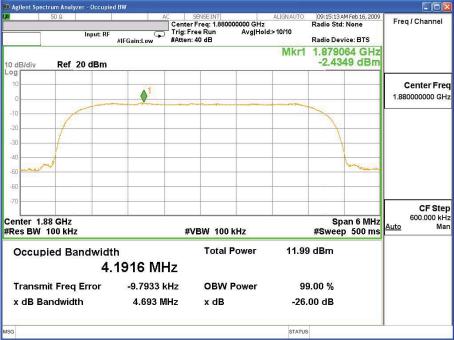


Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II HSDPA		

WCDMA BAND II HSDPA - Packet Switched (HSDPA Mode CH 9262)



WCDMA BAND II HSDPA - Packet Switched (HSDPA Mode CH 9400)



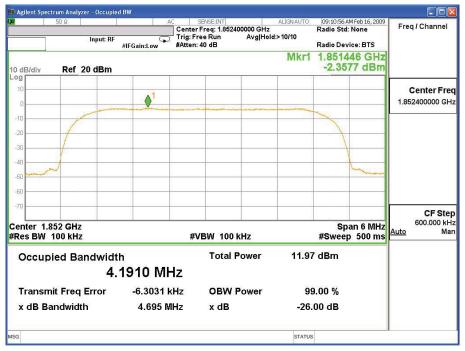
Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II HSDPA		

WCDMA BAND II HSDPA - Packet Switched (HSDPA Mode CH 9538)

	50 Ω		AC	SENSE:INT	ALIGN AUTO		Feb 16, 2009	Freg / Channel
	Inp	ut: RF #IFG	T	enter Freq: 1.90760000 rig: Free Run A Atten: 40 dB	0 GHz vg Hold:>10/10	Radio Std: I Radio Devic		Freq / Channel
) dB/div	Ref 20 d	Bm			Mkr1	1.90665	9 dBm	
10							[Center Fr
0		- mananana		war at a for a grow a sure and		~		1.907600000 G
20								
	/							
40	\sim						~	
50								
70								
								CF St 600.000 k
	908 GHz 100 kHz			#VBW 100 kHz	6	Spa #Sweep	n 6 MHz 500 ms	Auto M
Occup	bied Band	width		Total Pov	ver 12.1	1 dBm		
		4.18	18 MHz					
Transn	nit Freq Err	or -1	7.2535 kHz	OBW Pov	ver 9	9.00 %		
x dB B	andwidth		4.687 MHz	x dB	-26	.00 dB		

Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II HSUPA		

WCDMA BAND II HSUPA - Packet Switched (HSUPA Mode CH 9262)



WCDMA BAND II HSUPA - Packet Switched (HSUPA Mode CH 9400)

	trum Analyzer - Occu 50 ົດ Input: F	A	SENSE:INT Center Freq: 1.8800 Trig: Free Run #Atten: 40 dB	ALIGN AUT 00000 GHz Avg Hold:>10/10	09:09:15 AM Feb 1 Radio Std: None Radio Device: B	Freq / Channel
dB/div	Ref 20 dBm	1		Mk	r1 1.87904 (-2.5944 c	
0 0 0		≬ 1				Center Fro 1.880000000 Gi
i	1					_
) 						
m	<u></u>				long long	
nter 1.8	20 CH2					CF Ste 600.000 k
	100 kHz		#VBW 1001	kHz	#Sweep 50	MHz <u>Auto</u> 600.000 k 0 ms
)ccupi	ied Bandwid	dth 4.1890 ⊢	Total F Z	ower 11.0	62 dBm	
	it Freq Error	-9.2109			99.00 %	
dB Ba	ndwidth	4.694	Hz xdB	-2	6.00 dB	
				STAT	us	

Product	HSUPA PCI Express mini card module		
Test Mode	Occupied Bandwidth		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	WCDMA BAND II HSUPA		

WCDMA BAND II HSUPA - Packet Switched (HSUPA Mode CH 9538)

	50 ຊ. Input	: RF #IFGain:Low	Center Freq: 1.9076000	ALIGN AUTO 000 GHz Avg Hold>10/10	09:08:52 AM Feb 10 Radio Std: None Radio Device: B	Freq / Channel
dB/div	Ref 20 dB	m		Mkr1	1.906616 C -1.7777 d	
		● ¹				Center Fre
i —					~	_
	\sim				h	
) 						
	000 CH-				Onen 6	CF Ste 600.000 k
	.908 GHz 100 kHz		#VBW 100 kH	z	Span 6 #Sweep 500	
Occup	pied Bandw	^{ridth} 4.1813 MH	Total Po	wer 12.3	2 dBm	
[ransn	nit Freq Erro	r -18.2461 k	Hz OBW Po	wer 9	9.00 %	
dB B	andwidth	4.693 M	Hz xdB	-26	.00 dB	
				STATU		

4. Spurious Emission At Antenna Terminals (+/-1MHz)

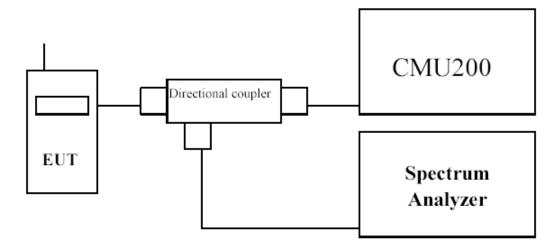
4.1. Test Equipment

The following test equipments are used during the spurious emission test

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Spectrum Analyzer	Advantest	R3182 / 100803470	May, 2008
Universal Radio Communication Tester	R & S	CMU200 / 104846	Apr., 2008
Directional coupler	Agilent	87300C / MY44300353	Aug., 2008
Directional coupler	Agilent	778D-012/ 50550	Aug., 2008

Note: All equipments upon which need to be calibrated are with calibration period of 1 year.

4.2. Setup



4.3. Limits

Cellular Band Transmitter limits for narrowband spurious emission

Lower Block Edge Test Frequencies	Upper Block Edge Test Frequencies
Block A	Block B
Channel : 128	Channel : 251
Frequency : 824.2 MHz	Frequency : 848.8 MHz

PCS Band Transmitter limits for narrowband spurious emission

Lower Block Edge Test Channels/Frequencies	Upper Block Edge Test Channels/Frequencies
Block A	Block C
Channel : 512	Channel : 810
Frequency : 1850.2 MHz	Frequency : 1909.8 MHz

4.4. Test Procedure

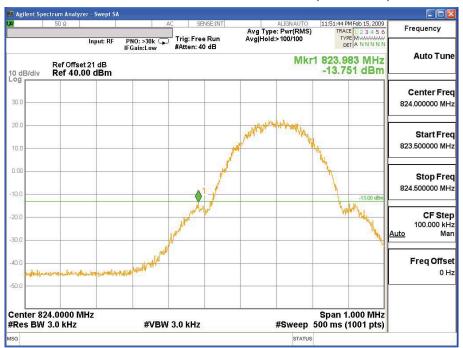
In accordance with Part 22.917 and 24.238, at least 1% of the emission bandwidth was used for the resolution and video bandwidths up to 1MHz away from the Block Edge. At greater than 1MHz, the resolution and video bandwidth were increased to 1MHz. The reference power and path losses of all channels used for testing in each frequency block were measured.

4.5. Test Specification

According to Part 2.1049, 22.917, 24.238.

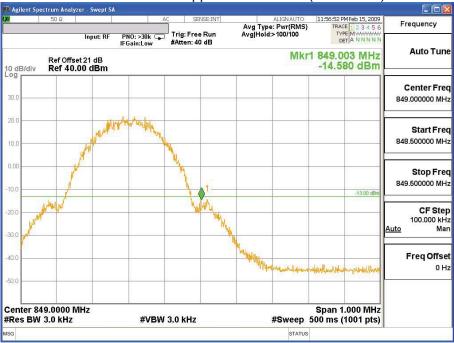
4.6. Test Result of Spurious Emission At Antenna Terminals (+/-1MHz)

Product	HSUPA PCI Express mini card module				
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)				
Date of Test	2009/02/18 Test Site CTR				
Test Condition	Block Edge Test (GSM 850 GPRS)				



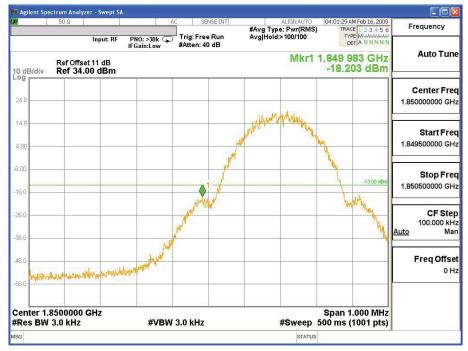
GSM 850 GPRS Lower Channel 128 (824.2MHz)

GSM 850 GPRS Upper Channel 251(848.8MHz)

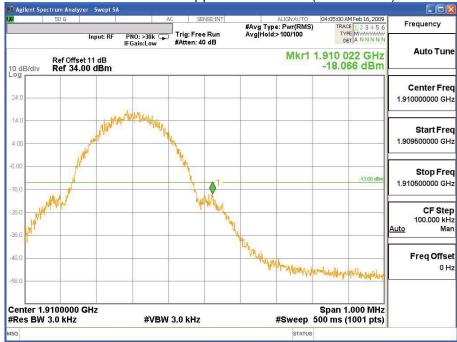


Product	HSUPA PCI Express mini card module				
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)				
Date of Test	2009/02/18 Test Site CTR				
Test Condition	Block Edge Test (PCS 1900 GPRS)				

PCS 1900 GPRS Lower Channel 512 (1850.2MHz)

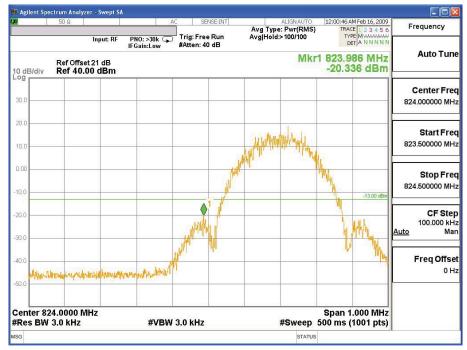


PCS 1900 GPRS Upper Channel 810(1910.0MHz)

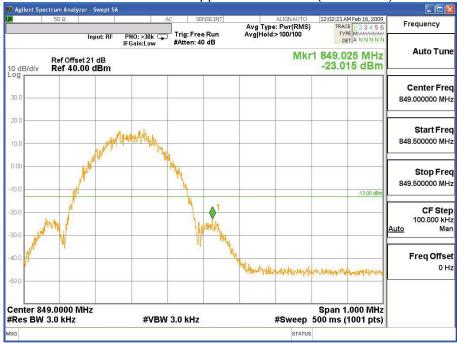


Product	HSUPA PCI Express mini card module					
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)					
Date of Test	2009/02/18 Test Site CTR					
Test Condition	Block Edge Test (GSM 850 EGPRS)					

GSM 850 EGPRS Lower Channel 128 (824.2MHz)

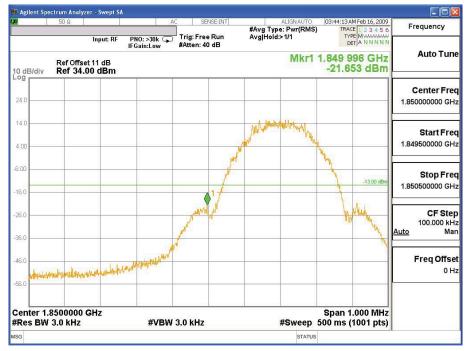


GSM 850 EGPRS Upper Channel 251(848.8MHz)

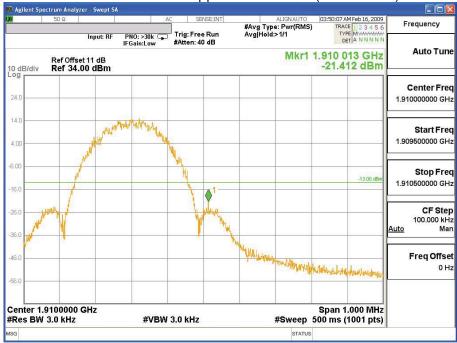


Product	HSUPA PCI Express mini card module				
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)				
Date of Test	2009/02/18 Test Site CTR				
Test Condition	Block Edge Test (PCS 1900 EGPRS)				

PCS 1900 EGPRS Lower Channel 512 (1850.2MHz)

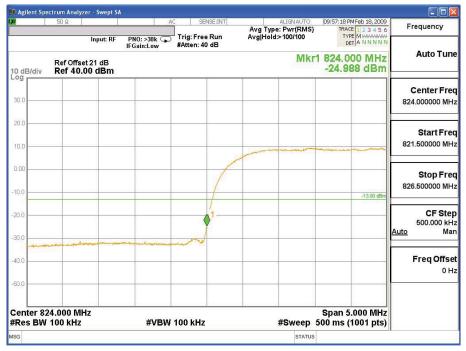


PCS 1900 EGPRS Upper Channel 810(1910.0MHz)



Product	HSUPA PCI Express mini card module					
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)					
Date of Test	2009/02/18 Test Site CTR					
Test Condition	Block Edge Test (WCDMA BAND V)					

WCDMA BAND V Lower Channel 4132 (826.4MHz)

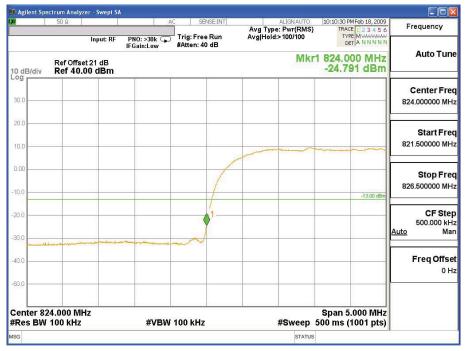


WCDMA BAND V Upper Channel 4233 (4233MHz)

🛙 Agilent Spectrum Ana	lyzer - Swept SA					
50 Ω	Input: RF	PNO: >30k 😱	Trig: Free Run	ALIGN AUTO Avg Type: Pwr(RMS Avg Hold: 56/100	TRACE 1 2 3 4 5 6	
	set 21 dB 0.00 dBm	IFGain:Low	#Atten: 40 dB	Mk	r1 849.000 MHz -26.447 dBm	Auto Tur
- og 30.0						Center Fre 849.000000 Mi
10.0	Anna maran	Party and Diff of the same	,			Start Fr 846.500000 M
10.0					-13.00 dBm	Stop Fr 851.500000 M
20.0			1			CF St 500.000 k Auto N
10.0				and provident of the providence of the	nd and hallower required of the shared and	Freq Offs
0.0						
center 849.000 M Res BW 100 kH		#VBW	100 kHz	#Sweep	Span 5.000 MHz 500 ms (1001 pts)	
SG				STATU	IS	

Product	HSUPA PCI Express mini card module					
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)					
Date of Test	2009/02/18 Test Site CTR					
Test Condition	Block Edge Test (WCDMA BAND V HSDPA)					

WCDMA BAND V HSDPA Lower Channel 4132 (826.4MHz)

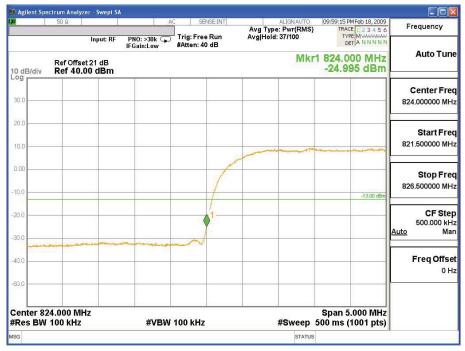


WCDMA BAND V HSDPA Upper Channel 4233 (4233MHz)

				 		ctrum Analyzer - Swept SA	
Frequency	Feb 18, 2009 1 2 3 4 5 6 MWWWWWW A N N N N N	TRACE	ALIGN AUTO e: Pwr(RMS) i:>100/100	SENSE:INT	PNO: >30k 😱	50 Ω Input: RF	u l
Auto Tu	A NEW YORK OF THE CASE OF	1 849.00	Mkr	#Atten: 40 dB	IFGain:Low	Ref Offset 21 dB Ref 40.00 dBm	I0 dB/div
Center Fr 849.000000 M							30.0
Start Fr 846.500000 M							10.0
Stop Fr 851.500000 M	-13.00 dBm						0.0
CF S1 500.000 H Auto M				1			
Freq Off		the matter of the second					0.0
							0.0
	000 MHz 001 pts)		#Sweep	100 kHz	#VBW [·]	9.000 MHz 100 kHz	
			STATUS				SG

Product	HSUPA PCI Express mini card module				
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)				
Date of Test	2009/02/18 Test Site CTR				
Test Condition	Block Edge Test (WCDMA BAND V HSUPA)				

WCDMA BAND V HSUPA Lower Channel 4132 (826.4MHz)

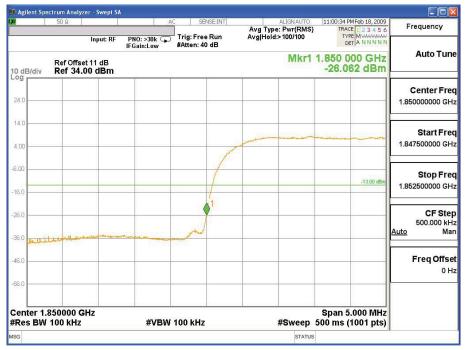


WCDMA BAND V HSUPA Upper Channel 4233 (4233MHz)

	Feb 18, 2009	10:00:36 PM	ALIGN AUTO	 SENSE:INT	AC	50 Ω	XI
Frequency	123456 M	TRACE	e: Pwr(RMS) :>100/100	rig: Free Run Atten: 40 dB	PNO: >30k	Input: RF	
Auto Tu	0 MHz 4 dBm	1 849.00	Mkr	 20		Ref Offset 21 dB Ref 40.00 dBm	I0 dB/div
Center Fr 849.000000 M							30.0
Start Fr 846.500000 M							10.0
Stop Fr 851.500000 M	-13.00 dBm						10.00
CF Ste 500.000 ki Auto M				1			20.0
Freq Offs		anna far an	. And a source of the second	 In			40.0
				 			50.0
	000 MHz 001 pts)		#Sweep \$	00 kHz	#VBW 1	9.000 MHz 100 kHz	Center 84 #Res BW
			STATUS				ISG

Product	HSUPA PCI Express mini card module					
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)					
Date of Test	2009/02/18 Test Site CTR					
Test Condition	Block Edge Test (WCDMA BAND II)					

WCDMA BAND II Lower Channel 9262 (1.8524GHz)

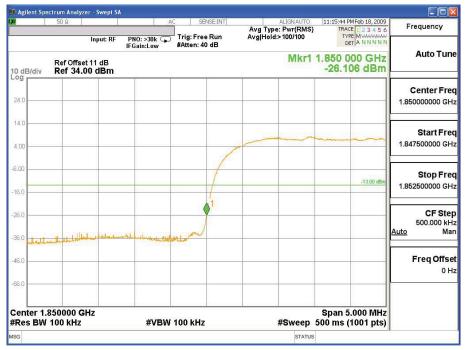


WCDMA BAND II Upper Channel 9538 (1.9076GHz)

Agilent Spectrum Anal 50 Ω		A	C SEN	ISE:INT	T.	ALIGNAUTO	11:04:00 P	MFeb 18, 2009	
	Input: RF	PNO: >30k 😱	Trig: Free #Atten: 40	Run		Pwr(RMS)	TRAC	E 1 2 3 4 5 6 E M	Frequency
0 dB/div Ref 34	set 11 dB .00 dBm	IFGain:Low	#Atten: 40			Mkr1	1.910 0	00 GHz 99 dBm	Auto Tun
24.0									Center Fre 1.910000000 GH
4.00			1						Start Fre
16.0								-13.00 dBm	Stop Fr 1.912500000 G
26.0				1					CF Sto 500.000 k <u>Auto</u> M
16.0				Sede		uddhadu qulbag	ann a baile an	andreaketter	Freq Offs
56.0									0
enter 1.910000 Res BW 100 kHz		#VBW	100 kHz		 	#Sweep	Span 5 500 ms (.000 MHz 1001 pts)	
sg						STATUS			

Product	HSUPA PCI Express mini card module		
Test Mode	Spurious Emission At Antenna Terminals (+/-1M	Hz)	
Date of Test	2009/02/18	Test Site	CTR
Test Condition	Block Edge Test (WCDMA BAND II HSDPA)		

WCDMA BAND II HSDPA Lower Channel 9262 (1.8524GHz)

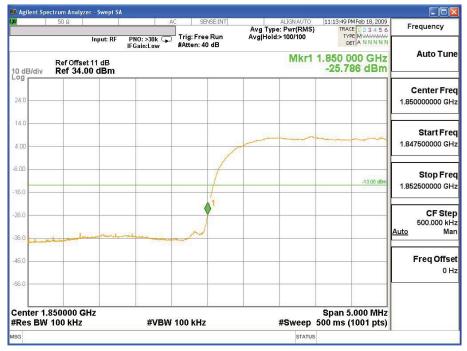


WCDMA BAND II HSDPA Upper Channel 9538 (1.9076GHz)

50 Ω	AC	SENSE:INT	ALIGNAUTO	11:16:43 PM Feb 18, 2009	
	PNO: >30k 😱 FGain:Low	Trig: Free Run #Atten: 40 dB	Avg Type: Pwr(RMS Avg Hold:>100/100		Frequency
Ref Offset 11 dB	-Gain:Low	#Atten: 40 dB	Mkr1	1.910 000 GHz -27.133 dBm	Auto Tui
]					Center Fr 1.910000000 G
] 					Start Fr 1.907500000 G
				-13.00 dBm	Stop Fr 1.912500000 G
					CF St 500.000 F Auto M
			Carlo and a second s	the grant that are and a second and	Freq Off
					0
nter 1.910000 GHz es BW 100 kHz	#VBW	100 kHz	#Sweep	Span 5.000 MHz 500 ms (1001 pts)	
And			STATU		

Product	HSUPA PCI Express mini card module		
Test Mode	Spurious Emission At Antenna Terminals (+/-1M	Hz)	
Date of Test	2009/02/18	Test Site	CTR
Test Condition	Block Edge Test (WCDMA BAND II HSUPA)		

WCDMA BAND II HSUPA Lower Channel 9262 (1.8524GHz)



WCDMA BAND II HSUPA Upper Channel 9538 (1.9076GHz)

							ctrum Analyzer - Swept SA	🛚 Agilent Spe
Frequency			ALIGN AUTO	 ENSE:INT		AC	50 Ω	KI
Frequency	Input: RF PNO: >30k Trig: Free Run Avg Type: Pwr(RMS) Inset: [23:45:6 Ref Offset 11 dB Mkr1 1.910 000 GHz -27.068 dBm 3/div Ref 34.00 dBm -27.068 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
Auto Tu			Mkr1	 10				0 dB/div
Center Fr								
1.91000000 G						G		24.0
Start Fr								14.0
1.907500000 G				_	1			4.00
Stop Fr					1			5.00
1.912500000 G	-13.00 dBm				1			16.0
CF St 500.000 k				 1				26.0
Auto M		the stands	mental bran	 h				16.0
Freq Offs	and so and a start							46.0
0								
								56.0
	.000 MHz 1001 pts)	Span 5 500 ms (#Sweep		100 kH	#VBW	910000 GHz 100 kHz	
			STATUS					SG

5. Spurious Emission

5.1. Test Equipment

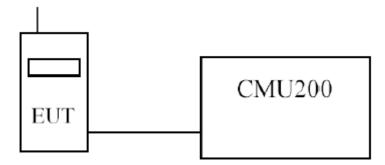
The following test equipments are used during the radiated emission test:

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Spectrum Analyzer	Agilent	N9020A/ MY48010570	Apr., 2008
Dual Directional couple	Agilent	778D-012/50550	Aug , 2008
Directional coupler	Agilent	87300C/ MY44300353	Aug ., 2008
Bilog Antenna	Schaffner Chase	CBL6112B/2921	Aug ., 2008
Broadband Horn Antenna	Schwarzbeck	BBHA9170/497	Sep ., 2008
Horn Antenna	Schwarzbeck	BBHA9120D/ 305	Sep ., 2008
Pre-Amplifier	QTK	N/A	N/A
Microwave Amplifier (0.5GHZ-26.5GHZ)	Agilent	83017A/ MY39500682	Aug ., 2008
Spectrum Analyzer (9K-40GHz)	R&S	FSP40/100339	Nov ., 2008
Universal Radio Communication Tester	R & S	CMU200 / 104846	Apr ., 2008

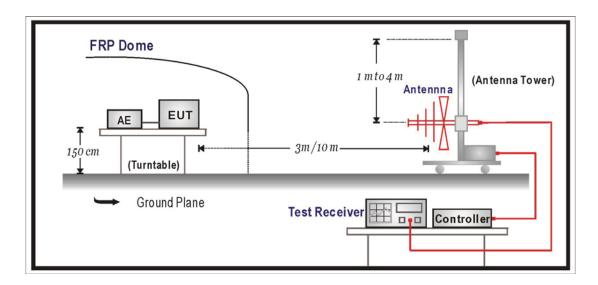
Note: 1. All equipments that need to be calibrated are with calibration period of 1 year. 2. Mark "X" test instruments are used to measure the final test results.

5.2. Test Setup

5.2.1 Spurious emissions at antenna terminals.



5.2.2 Field strength of spurious radiation.



5.3. Limits

Limit	<-13dBm

43 + 10Log(P) down on the carrier where P is the power in Watts.

5.4. Test Procedure

QuieTek

In accordance with Part 2.1051, the spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using a combination of filters and attenuators and the frequency spectrum investigated from 30MHz to 20GHz. The EUT was set to transmit on full power. The EUT was tested on bottom, middle and top channels for both power levels. The resolution and video bandwidth was set to 1MHz in accordance with Part 24.238. The spectrum analyzer detector was set to Max Hold.

In addition, measurements were made up to the 10th harmonic of the fundamental.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 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 can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to TIA/EIA 603-C on radiated measurement.

5.5. Test Specification

According to Part 2.1051, 2.1053, 22.917(a), 24.238(b).

5.6. Test Result of Spurious Emission

Product	HSUPA PCI Express mini card module		
Test Mode	Spurious Emission (Conducted)		
Date of Test	2009/02/18	Test Site	CTR
Test Condition	GSM 850 GPRS	Test Range	30MHz~10GHz

GSM 850 GPRS Middle-Channel 189

Frequency	Reading Level	Path Loss	Emission Level	Limit
(MHz)	(dBm)	(dB)	(dBm)	(dBm)
1670	-37.38	0.58	-36.80	-13
2509.2	-41.79	0.7	-41.09	-13
3345.6	-49.99	1.01	-48.98	-13
4182	-53.30	1.18	-52.12	-13
5018.4	-51.76	1.23	-50.53	-13
5854.8	-50.07	1.45	-48.62	-13
6691.2	-50.99	1.56	-49.43	-13
7527.6	-52.53	1.59	-50.94	-13
8364	-54.72	1.82	-52.90	-13

Agilent Spectrum Analyzer - Swept 50 Ω	AC SENSE:INT	ALIGN AUTO	12:06:51 AM Feb 16, 2009	Frequency			
Input: R	F PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold: 98/100	TRACE 1 2 3 4 5 6 TYPE M WMMWW DET P N N N N N	Auto Tune			
dB/div Ref 0ffset 21 dB Mkr1 650.80 MHz -23.035 dBm -23.035 dBm							
-3				Center Fre			
5.0				515.000000 MH			
5.0				Start Fre			
.00				30.000000 MI			
.00				Stop Fr			
5.0			-13.00 dBm	1.000000000 G			
			al - Champerster	05.04			
5.0 minuter fredition management	ndetalizateteleder og stalleter andete	i de la		CF St 97.000000 M Auto M			
5.0				<u>Auto</u> m			
5.0				Freq Offs			
5.0							
tart 30.0 MHz			Stop 1.0000 GHz				
Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep	500 ms (1001 pts)				

05:15:40 AM Feb 16, 2009	ALIGN AUTO		SENSE: IN	A		50.0	
TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET PINNNNN	Type: Log-Pwr Iold:>1/1	1	Trig: Free Run #Atten: 0 dB	PNO: Fast 😱 IFGain:High	Input: RF		
kr3 3.346 GHz -49.990 dBm	M						div
13.00 dBm							
					.1		
			() ²				
			Y				
And a hard and a state of the second		man	adorna to an and the second	- Harrison	and any encodeda	at a solution of a	
							a portante
01							4 0 0
	#Sweep		3.0 MHz	#VBW		1.0 MHz	
and the second		FUN			~		
FUNCTION VALUE	PONCTION WIDTH	PON	-37.378 dBm	1.673 GHz	<u>^</u>	f	V 1
						f	J 1
			-49.990 abm	5.340 GHZ	•		•
Hz Sm SHz	kr3 3.346 G -49.990 di 190 5top 4.000 C	Mkr3 3.346 G -49.990 dl 	Mkr3 3.346 G -49.990 dl 	#Atten: 0 dB DET/P NN Mkr3 3.346 G -49.990 dI -49.990 dI -49.9	Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state Image: Step 4 with the state <td>Might M IFGain:High #Atten: 0 dB Der/P MN st 21 dB Mkr3 3.346 G -49.990 dI .00 dBm -49.990 dI -49.990 dI 1 -2 -3 1 -2 -3 4 -49.990 dI -49.990 dI 1 -2 -3 1 -2 -3 1 -2 -3 3 -49.900 dI 1 -2 3 -3 4 -49.900 dI 1 -2 3 -49.900 dI 1 -2 3 -3 5 -49.900 dI -49.900 dI -49.900 dI -40.900 dI -49.900 dI #VBW 3.0 MHz #Sweep 500 ms (1001 dI) 1.673 GHz -37.378 dBm 2.509 GHz -37.378 dBm</td> <td>Implicitive #Atten: 0 dB Mitra 3.346 G Ref Offset 21 dB Mkr3 3.346 G Age state 49.990 dI 1 1</td>	Might M IFGain:High #Atten: 0 dB Der/P MN st 21 dB Mkr3 3.346 G -49.990 dI .00 dBm -49.990 dI -49.990 dI 1 -2 -3 1 -2 -3 4 -49.990 dI -49.990 dI 1 -2 -3 1 -2 -3 1 -2 -3 3 -49.900 dI 1 -2 3 -3 4 -49.900 dI 1 -2 3 -49.900 dI 1 -2 3 -3 5 -49.900 dI -49.900 dI -49.900 dI -40.900 dI -49.900 dI #VBW 3.0 MHz #Sweep 500 ms (1001 dI) 1.673 GHz -37.378 dBm 2.509 GHz -37.378 dBm	Implicitive #Atten: 0 dB Mitra 3.346 G Ref Offset 21 dB Mkr3 3.346 G Age state 49.990 dI 1 1

Frequency	AM Feb 16, 2009		ALIGN AUTO	#Ava	SENSE:IN	A		50 Ω		_
		TYP			Trig: Free Run #Atten: 0 dB	PNO: Fast 🖵 IFGain:High	Input: RF			
Auto Tu	Mkr4 6.691 GHz -50.987 dBm				Input: RF PNO: Fast Trig: Free Run IFGain:High #Atten: 0 dB Ref Offect 21 dP Ref Offect 21 dP					
	13.00 dBm									_
Center F										
5.500000000										
	4			\bigcirc		\wedge^2			0	
Start F	met more also	the stand and a		Concert Concerts on the second	and the second second	mannables	- and a start of the		- lease has	and
4.000000000										
Stop F										
7.000000000										
7.000000000										
05.0				-	50 3. 20 watsiza car					
CF St 300.000000 M	(1001 pts)	500 ms (#Sweep		B.0 MHz	#VBW		.0 MHz	3W 1	B
Auto M	ION VALUE	FUNCTIO	FUNCTION WIDTH	FUNCTION	Y				DE TRC	
									1	
Freq Off					50.071 dBm	5.855 GHz				
					50.987 aBm	6.691 GHZ		т	1	N
			STATUS							

	50 Ω	nput: RF	PNO: Fast C	AC SENSE:INT	#Avg Avg ⊢	ALIGN AUTO Type: Log-Pwr Iold:>1/1	TRAC	Feb 16, 2009 1 2 3 4 5 6 E M	Frequency
Ref Offset 21 dB Mkr2 8.364 GHz							Auto Tu		
B/div	Ref -10.00						-54.71	5 dBm	1
		1						13.00 dBm	Contor F
									Center Fr 8.50000000 G
		1							8.50000000
ī 1	\Diamond	1		2					
	usensettal	mail and	and the second	endre more and man	andanan	rearbahanastreak	25-900 mart - 4		Start Fr
i									7.00000000 G
									Stop Fr
		-	-						10.00000000 0
rt 7.000 es BW 1			#VB	N 3.0 MHz		#Sweep		.000 GHz	CF St
MODE TRC		×			FUNCTION	FUNCTION WIDTH			300.000000 N Auto N
N 1	f	7.5	28 GHz	-52.525 dBm	FUNCTION	FONCTION WIDTH	FUNCTIO	N VALUE	Auto
N 1	f	8.3	64 GHz	-54.715 dBm					
									Freq Off
									0

Product	HSUPA PCI Express mini card module					
Test Mode	Spurious Emission (Conducted)					
Date of Test	2009/02/18	Test Site	CTR			
Test Condition	PCS 1900 GPRS	Test Range	30MHz~20GHz			

PCS 1900 GPRS Mid-Channel 661

Frequency	Reading Level	Path Loss	Emission Level	Limit
(MHz)	(dBm)	(dB)	(dBm)	(dBm)
3760	-53.50	1.1	-52.40	-13
5640	-45.53	1.23	-44.30	-13
7520	-56.03	1.59	-54.44	-13
9400	-61.62	1.89	-59.73	-13
11280	-51.99	2.07	-49.92	-13
13160	-58.23	2.26	-55.97	-13
15040	-61.47	2.64	-58.83	-13
16920	-60.62	3.5	-57.12	-13
18800	-59.72	3.7	-56.02	-13

