

Carl Huie

1435704

"Exhibits"

From: Kehoe, Richard [richard.kehoe@siemens.com]
Sent: Monday, March 08, 2004 12:05 PM
To: Carl Huie
Subject: STA frequency requests for CTIA show



FrequencyAllocationSiemens.PDF...

Hello Carl,

Thank you for your help in processing this STA request and clarifying what is still needed.

Siemens needs to demonstrate EDGE packet data (using two 900 MHz UL/DL channel pairs and two 1900 MHz UL/DL channel pairs) and UMTS data (using one 2100 MHz channel pair) at the CTIA show March 20-22. As previously, we will limit the output TX power to approx 1 mw, to avoid co-channel interference with adjacent booth vendors.

ComSearch is again the frequency coordinator for CTIA. The attached file shows the frequencies they have assigned for 1900 and 2100 MHz. To this needs to be added two (2) UL/DL channel pairs at 900 MHz frequencies.

The contact at ComSearch is as follows:

Nilanthi Beekhuysen
Senior Engineer
Comsearch
19700 Janelia Farm Blvd.
Ashburn, VA 20147
703-726-5705 (phone)
703-726-5599 (fax)

<<FrequencyAllocationSiemens.PDF>>

Best Regards,

Rick Kehoe
Senior Product Manager
Siemens ICM
Boca Raton, FL
* +1 561-322-7097 office (new number!)
& +1 561-322-7504 fax
* +1 561-809-8748 mobile

Proposed Channel Allocation and Antenna Placement Guidelines for Siemens CTIA Wireless 2004

Technology	Channel Number (n)	Center Frequency of Channel/Carrier (f, MHz)		Comments	Maximum BTS_Tx EIRP and Antenna Orientation Specifications (Azimuth is relative to referenced North on the attached booth layout*)			Antenna Specifications			Minimum Required Discrimination Toward Co-Carrier Booth	
		BTS_Tx	BTS_Rx		EIRP (Maximum, dBm)	Direction of Main Beam (Horizontal-azimuth and Vertical-downtilt, degrees)	Top of Antenna (max, ft)	Maximum H-Plane HPBW (3dB beamwidth, degree)	Maximum E-Plane HPBW (3dB beamwidth, degree)	Minimum Front to Back Ratio (dB)	Required Discrimination (dB), (Direction)	Booth Number (Co-Carrier)
UMTS Carrier 1 (U1)	10562	2112.4	1922.4	Operating Band I; UMTS Absolute Radio Frequency Channel Number (UARFCN), DL = 10562, UL = 9612	-10	270 degrees*, 15 degrees	10' (at least 3' below mounting wall / structure)	75 degree	55 degree	20 dB	---	---
GSM Carrier in Block	717	1971.2	1891.2	Absolute Radio Frequency Channel Number (ARFCN)	-10	---	10' (at least 3' below mounting wall / structure)	---	---	---	---	---
	721	1972	1892									

Siemens Carrier Allocation for CTIA Wireless 2004 (UMTS,GSM)

EXHIBITOR CERTIFICATION

Siemens hereby certifies that the above stated Wireless Demonstrations will operate within the specifications outlined.

Signature: _____

Date: _____

Name of Certifying Personnel: _____

Phone Number of Certifying Personnel: _____

Siemens Contact at the Show: (1) Name: _____ Mobile Phone Number: _____

(2) Name: _____ Mobile Phone Number: _____

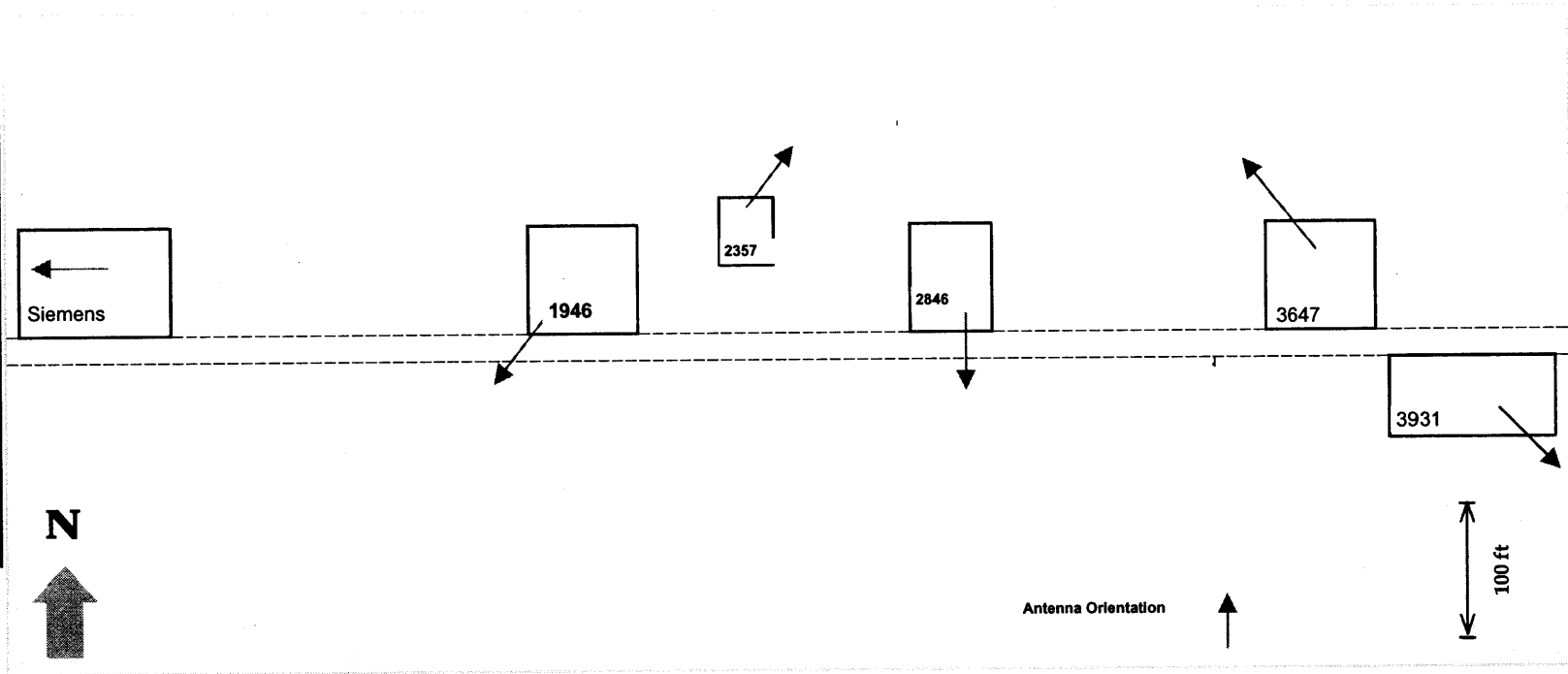
Please sign and return this page on or before 3/4/04 to:

Comsearch, Attn: Nilanthi Beekhuysen, nbeekhu@comsearch.com (email), 703-726-5705 (phone), 703-726-5599(fax)



Failure to return the signed page will result in forfeiture of assigned frequencies.

UMTS DEMO LAYOUT



Comsearch Confidential

Carl Huie*"Exhibit"*

From: Carl Huie
Sent: Friday, March 12, 2004 12:53 PM
To: Kehoe, Richard
Subject: RE: 900 MHz frequencies for STA
noted and will let you know decision on Monday

-----Original Message-----

From: Kehoe, Richard [mailto:richard.kehoe@siemens.com]
Sent: Fri 3/12/2004 12:25 PM
To: Carl Huie
Cc:
Subject: 900 MHz frequencies for STA request

Hello Carl,

The last time we spoke, you requested that Siemens or ComSearch suggest frequencies for the two requested UL/DL channel pairs at 900 MHz for the STA request I filed.

I'm sorry that this took some time; ComSearch (Nilanthi Beekhuysen) has performed a search and she found two frequency pairs for which there is no incumbent licensee within 5 kilometers of the Atlanta CTIA convention center.

These frequencies are as follows:

1. ARFCN 101 : 910.2 MHz Uplink, 955.2 MHz Downlink
2. ARFCN 104 : 910.8 MHz Uplink, 955.8 MHz Downlink

The emissions designator that we have for the 900 MHz BTSE is: 253KGXW

For reference, the STA information is:
Confirmation Number: EL14223
STA File Number: 0143-EX-ST-2004

Thanks a lot for your help on this Carl, and please call me on my mobile at 561-809-8748 anytime to discuss this.

Best Regards,

Richard Kehoe
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3/15/2004