



Nemko USA, Inc.

11696 Sorrento Valley Road, Suite F
San Diego, CA 92121-1024

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September 20, 2006

Paul Jayne
Qualcomm Inc.
5775 Morehouse Drive
San Diego, CA 92121

Re: Globalstar User Terminal
Nemko Project Number: 26-634-QUA

Dear Mr. Jayne

This letter is intended to serve as a notice that the Globalstar K2 UT GSP-1700, as tested, has complied with the following test per *client request*:

<i>Test Specification</i>	<i>Test Name</i>
FCC Part 25	Transmitter Harmonic Test

Please keep us in mind for your next project and call with any questions.

Sincerely,

Mike T. Krumweide
EMC Supervisor



1. Radiated Emissions Test Results



San Diego Headquarters:
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Radiated Emissions Data

Complete	<u>X</u>	Job # :	<u>26-634-QUA</u>	Test # :	<u>1</u>
Preliminary	<u> </u>		Page <u>1</u>	of	<u>1</u>
Client Name : <u>Qualcomm Inc.</u>					
EUT Name : <u>Globalstar K2 UT</u>					
EUT Model # : <u>GSP-1700</u>					
EUT ANTENNA Part # : <u>None</u>					
EUT Serial # : <u>N10CTWDBT</u>					
EUT Config. : <u>tested with Qualcomm AC Adapter (GSP-1700UWC)</u>					
Specification : <u>FCC Part 25 Transmitter Harmonics Testing</u>					
Rod. Ant. #:	<u>NA</u>	Temp. (deg. C) :	<u>26</u>	Reference :	<u>Date : 7/6/2006</u>
Bicon Ant. #:	<u>NA</u>	Humidity (%) :	<u>56</u>		<u>Time : 8:30AM</u>
Log Ant. #:	<u>NA</u>	EUT Voltage :	<u>120VAC</u>		<u>Staff : FSCustodio</u>
DRG Ant. #:	<u>877</u>	EUT Frequency :	<u>60Hz</u>		<u>Photo ID:</u>
Dipole Ant. #:	<u>NA</u>	Phase:	<u>1</u>	Peak Res Bandwidth:	<u>5 kHz</u>
Cable#:	<u>40ft</u>	Location:	<u>SOATS</u>	Peak Video Bandwidth	<u>5 kHz</u>
Preamp#:	<u>317</u>	Distance:	<u>3M</u>	AVE Res Bandwidth:	<u> </u>
Spec An. #:	<u>835</u>			AVE Video Bandwidth	<u> </u>
QP #:	<u>NA</u>				
PreSelect#:	<u>NA</u>				

Meas. Freq. (MHz)	Vertical (dBuV)		Horizontal (dBuV)		CF (db)	Max Level (dBuV/m)		Spec. Limit (dBuV/m)		Margin dB		EUT Rotation	Ant. Height	Pass Fail Unc.	Comment
	pk	av	pk	av		pk	av	pk	av	pk	av				
3221.46	73.2		74.6		8.3	82.9		94.0		-11.1		180.0	1.2	Pass	with 16db att. w/ preamp
4832.2	31.7		26.7		11.9	43.6		94.0		-50.4		180.0	1.2	Pass	w/ preamp
6442.9	22.5		22.5		14.8	37.3		94.0		-56.7		180.0	1.2	Pass	Noise Floor
8053.7	23.9		23.9		26.44	50.34		94.0		-43.7		180.0	1.3	Pass	Noise Floor
9664.4	23.2		23.2		26.4	49.64		94.0		-44.4		180.0	1.3	Pass	Noise Floor
11275.1	23.3		23.3		25.4	48.7		94.0		-45.3		180.0	1.4	Pass	Noise Floor
12886.0	24.6		24.6		27.1	51.7		94.0		-42.3		180.0	1.4	Pass	Noise Floor
14497.0	24.9		24.9		30.1	55		94.0		-39.0		180.0	1.5	Pass	Noise Floor
16107.0	24.0		24.0		30.7	54.7		94.0		-39.3		180.0	1.5	Pass	Noise Floor
3233.8	71.1		71.3		8.3	79.6		94.0		-14.4		180.0	1.2	Pass	with 16db att. w/ preamp
4850.7	30.8		24.6		12.6	43.4		94.0		-50.6		180.0	1.2	Pass	w/ preamp
6467.6	18.0		17.4		17.7	35.7		94.0		-58.3		180.0	1.2	Pass	Noise Floor
9701.4	18.0		18.0		26.4	44.44		94.0		-49.6		180.0	1.3	Pass	Noise Floor
11318.4	18.6		18.6		25.4	44		94.0		-50.0		180.0	1.4	Pass	Noise Floor
12935.2	19.6		19.7		27.1	46.8		94.0		-47.2		180.0	1.4	Pass	Noise Floor
14552.1	18.7		19.3		30.7	50		94.0		-44.0		180.0	1.5	Pass	Noise Floor
16169.0	18.7		18.8		30.7	49.5		94.0		-44.5		180.0	1.5	Pass	Noise Floor
3241.1	74.8		75.4		8.3	83.7		94.0		-10.3		180.0	1.2	Pass	with 16db att. w/ preamp
4861.7	29.7		27.3		12.6	42.3		94.0		-51.7		180.0	1.2	Pass	w/ preamp
6482.3	18.0		18.6		17.7	36.3		94.0		-57.7		180.0	1.2	Pass	Noise Floor
8102.9	17.7		18.0		23.5	41.5		94.0		-52.5		180.0	1.3	Pass	Noise Floor
9723.4	18.4		18.4		26.4	44.84		94.0		-49.2		180.0	1.3	Pass	Noise Floor
11344.0	19.2		19.1		25.4	44.6		94.0		-49.4		180.0	1.4	Pass	Noise Floor
12964.6	19.7		19.7		27.1	46.8		94.0		-47.2		180.0	1.4	Pass	Noise Floor
14585.1	18.8		19.3		30.7	50		94.0		-44.0		180.0	1.5	Pass	Noise Floor
16205.7	18.7		18.2		30.7	49.4		94.0		-44.6		180.0	1.5	Pass	Noise Floor



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Substitution Method For Radiated Emissions

Complete	<u>Yes</u>	Job # :	<u>26-634-QUA</u>	Test # :	<u>2</u>
Preliminary	<u> </u>	Page	<u>1</u>	of	<u>1</u>
Client Name : <u>Qualcomm Inc.</u>					
EUT Name : <u>Globalstar K2 UT</u>					
EUT Model # : <u>GSP-1700</u>					
EUT Part # : <u>None</u>					
EUT Serial # : <u>N10CTWD</u>					
EUT Config. : <u>tested with Qualcomm AC Adapter (GSP-1700UWC)</u>					
Specification : <u>FCC Part 25</u>					
Rod. Ant. #:	<u>NA</u>	Temp. (deg. C) :	<u>25</u>	Reference :	<u> </u>
Bicon Ant.#:	<u>NA</u>	Humidity (%) :	<u>32</u>	Date :	<u>9/19/2006</u>
Log Ant.#:	<u>NA</u>	EUT Voltage :	<u>NA</u>	Time :	<u> </u>
DRG Ant. #	<u>529</u>	EUT Frequency :	<u>NA</u>	Staff :	<u>M. Krumweide</u>
Dipole Ant.#:	<u>NA</u>	Phase:	<u>NA</u>	Photo ID:	<u> </u>
Cable#:	<u>20ft</u>	Location:	<u>RN# 329550-01</u>	Peak Bandwidth:	<u>RBW-1MHz, VBW-1MHz</u>
Preamp#:	<u>317</u>	Distance:	<u>3m</u>		<u> </u>
Spec An.#:	<u>E4440A</u>				
QP #:	<u>NA</u>				
PreSelect#:	<u>NA</u>				

Frequency mHz	Target Level dBuV/m	Horn Gain dBi	Cable loss dB	Signal Generator dBm	Total (EIRP) dBm	Spec dBm	Margin dBm
3221.46	74.6	7.84	2.8	-25.50	-20.46	-13	-7.5
3233.80	71.3	7.85	2.8	-29.7	-24.65	-13	-11.7
3241.10	75.4	7.85	2.8	-25.20	-20.15	-13	-7.2

All other detected emissions were greater than -20dB below the FCC requirement for substitution measurements.

Radiated Emissions Test Equipments

Nemko ID	Device	Manufacturer	Model	Serial Number	Cal Date	Cal Due Date
877	Antenna, DRG Horn	AH Systems	NA	688	6/20/06	6/20/07
317	Preamplifier	HP	8449A	2794A00167	1/11/06	1/11/07
529	Antenna, DRG Horn	Emco	3115	25053	8/31/06	8/31/07
835	Spectrum Analyzer	Rohde & Schwarz	FSEK	829058	1/18/06	1/18/07
911	Spectrum Analyzer	Agilent	E4440A	US41421266	6/7/06	6/7/07
836	Signal Generator	Agilent	E8254A	US41140229	7/27/06	7/27/07

2. Radiated Emissions Test Setup

