

Manufacturer	Honeywell Security
Model	GSMVLP53G
CTIA Request #	28055
IMEI	35597804.003304.3 02
FCC ID Number	QIPPH8
Hardware Version	1.01; PH8; B2.2
Software Version	4.16.001; PH8; Revision: 01.002
Configuration of Primary Mechanical Mode	N/A
CTIA Test Plan Revision	2.2.2
Test date	11/16/11 to 11/21/11

Note: Testing was performed with HW version 1.00; PH8 B2.2.

Changes in HW have no affect on OTA RF performance.

TABLE: B1 SUMMATION TEST REPORT - GSM

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^{\circ}$ (dBm)		NHPRP $\pm 30^{\circ}$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GSM 850	128	824.20	N/A	26.68	L:N/A R:N/A	25.64	L:N/A R:N/A	24.43	L:N/A R:N/A
	190	836.60	N/A	27.10	L:N/A R:N/A	26.19	L:N/A R:N/A	25.02	L:N/A R:N/A
	251	848.80	N/A	27.17	L:N/A R:N/A	26.33	L:N/A R:N/A	25.20	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^{\circ}$ (dBm)		NHPRP $\pm 30^{\circ}$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GSM 1900	512	1850.20	N/A	27.62	L:N/A R:N/A	26.54	L:N/A R:N/A	25.26	L:N/A R:N/A
	661	1880.00	N/A	26.83	L:N/A R:N/A	25.80	L:N/A R:N/A	24.57	L:N/A R:N/A
	810	1909.80	N/A	26.71	L:N/A R:N/A	25.74	L:N/A R:N/A	24.56	L:N/A R:N/A

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Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GSM 850	128	869.20	N/A	-103.86	L:N/A R:N/A	-102.83	L:N/A R:N/A	-101.64	L:N/A R:N/A
	190	881.60	N/A	-104.05	L:N/A R:N/A	-103.05	L:N/A R:N/A	-101.83	L:N/A R:N/A
	251	893.80	N/A	-103.92	L:N/A R:N/A	-102.97	L:N/A R:N/A	-101.80	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GSM 1900	512	1930.20	N/A	-105.92	L:N/A R:N/A	-104.96	L:N/A R:N/A	-103.74	L:N/A R:N/A
	661	1960.00	N/A	-107.09	L:N/A R:N/A	-106.09	L:N/A R:N/A	-104.88	L:N/A R:N/A
	810	1989.80	N/A	-106.41	L:N/A R:N/A	-105.42	L:N/A R:N/A	-104.22	L:N/A R:N/A

TABLE: B2 SUMMATION TEST REPORT - GPRS

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GPRS 850	128	824.20	N/A	26.40	L:N/A R:N/A	25.36	L:N/A R:N/A	24.15	L:N/A R:N/A
	190	836.60	N/A	26.77	L:N/A R:N/A	25.86	L:N/A R:N/A	24.69	L:N/A R:N/A
	251	848.80	N/A	26.94	L:N/A R:N/A	26.10	L:N/A R:N/A	24.97	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GPRS 1900	512	1850.20	N/A	27.70	L:N/A R:N/A	26.61	L:N/A R:N/A	25.33	L:N/A R:N/A
	661	1880.00	N/A	27.03	L:N/A R:N/A	25.99	L:N/A R:N/A	24.76	L:N/A R:N/A
	810	1909.80	N/A	26.58	L:N/A R:N/A	25.61	L:N/A R:N/A	24.43	L:N/A R:N/A

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Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GPRS 850	128	869.20	N/A	-107.36	L:N/A R:N/A	-106.33	L:N/A R:N/A	-105.14	L:N/A R:N/A
	190	881.60	N/A	-106.88	L:N/A R:N/A	-105.88	L:N/A R:N/A	-104.67	L:N/A R:N/A
	251	893.80	N/A	-106.92	L:N/A R:N/A	-105.97	L:N/A R:N/A	-104.80	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
GPRS 1900	512	1930.20	N/A	-108.75	L:N/A R:N/A	-107.79	L:N/A R:N/A	-106.57	L:N/A R:N/A
	661	1960.00	N/A	-110.26	L:N/A R:N/A	-109.25	L:N/A R:N/A	-108.05	L:N/A R:N/A
	810	1989.80	N/A	-109.81	L:N/A R:N/A	-108.82	L:N/A R:N/A	-107.62	L:N/A R:N/A

TABLE: B3 SUMMATION TEST REPORT – EGPRS

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
EGPRS 850	128	824.20	N/A	19.93	L:N/A R:N/A	18.89	L:N/A R:N/A	17.68	L:N/A R:N/A
	190	836.60	N/A	20.86	L:N/A R:N/A	19.95	L:N/A R:N/A	18.78	L:N/A R:N/A
	251	848.80	N/A	20.93	L:N/A R:N/A	20.09	L:N/A R:N/A	18.96	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
EGPRS 1900	512	1850.20	N/A	23.93	L:N/A R:N/A	22.84	L:N/A R:N/A	21.56	L:N/A R:N/A
	661	1880.00	N/A	23.45	L:N/A R:N/A	22.41	L:N/A R:N/A	21.18	L:N/A R:N/A
	810	1909.80	N/A	22.70	L:N/A R:N/A	21.73	L:N/A R:N/A	20.55	L:N/A R:N/A

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Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
EGPRS 850	128	869.20	N/A	-98.69	L:N/A R:N/A	-97.67	L:N/A R:N/A	-96.48	L:N/A R:N/A
	190	881.60	N/A	-98.05	L:N/A R:N/A	-97.05	L:N/A R:N/A	-95.83	L:N/A R:N/A
	251	893.80	N/A	-98.09	L:N/A R:N/A	-97.14	L:N/A R:N/A	-95.97	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
EGPRS 1900	512	1930.20	N/A	-99.58	L:N/A R:N/A	-98.63	L:N/A R:N/A	-97.40	L:N/A R:N/A
	661	1960.00	N/A	-101.26	L:N/A R:N/A	-100.25	L:N/A R:N/A	-99.05	L:N/A R:N/A
	810	1989.80	N/A	-100.74	L:N/A R:N/A	-99.75	L:N/A R:N/A	-98.55	L:N/A R:N/A

TABLE: B4 SUMMATION TEST REPORT - WCDMA

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
WCDMA FDD II	9262	1852.40	N/A	20.87	L:N/A R:N/A	19.76	L:N/A R:N/A	18.47	L:N/A R:N/A
	9400	1880.00	N/A	20.95	L:N/A R:N/A	19.92	L:N/A R:N/A	18.69	L:N/A R:N/A
	9538	1907.60	N/A	20.87	L:N/A R:N/A	19.81	L:N/A R:N/A	18.57	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Power (dBm)	TRP (dBm)		NHPRP $\pm 45^\circ$ (dBm)		NHPRP $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
WCDMA FDD V	4132	826.40	N/A	16.62	L:N/A R:N/A	15.53	L:N/A R:N/A	14.32	L:N/A R:N/A
	4183	836.60	N/A	17.26	L:N/A R:N/A	16.21	L:N/A R:N/A	15.01	L:N/A R:N/A
	4233	846.60	N/A	16.66	L:N/A R:N/A	15.63	L:N/A R:N/A	14.45	L:N/A R:N/A

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Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
WCDMA FDD II	9662	1932.40	N/A	-107.64	L:N/A R:N/A	-106.67	L:N/A R:N/A	-105.42	L:N/A R:N/A
	9800	1960.00	N/A	-109.01	L:N/A R:N/A	-108.03	L:N/A R:N/A	-106.81	L:N/A R:N/A
	9938	1987.60	N/A	-109.10	L:N/A R:N/A	-108.12	L:N/A R:N/A	-106.91	L:N/A R:N/A

Band	Channel	Frequency (MHz)	Conducted Sensitivity (dBm)	TIS (dBm)		NHPIS $\pm 45^\circ$ (dBm)		NHPIS $\pm 30^\circ$ (dBm)	
				FS	SAM	FS	SAM	FS	SAM
WCDMA FDD V	4357	871.40	N/A	-99.24	L:N/A R:N/A	-98.22	L:N/A R:N/A	-97.00	L:N/A R:N/A
	4408	881.60	N/A	-100.91	L:N/A R:N/A	-99.96	L:N/A R:N/A	-98.81	L:N/A R:N/A
	4458	891.60	N/A	-102.76	L:N/A R:N/A	-101.85	L:N/A R:N/A	-100.68	L:N/A R:N/A

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TABLE: B5 INTERMEDIATE CHANNEL RELATIVE SENSITIVITY – GSM

Intermediate Channel Relative Sensitivity				
GSM Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
850	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

Intermediate Channel Relative Sensitivity				
GSM Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
1900	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

TABLE: B6 INTERMEDIATE CHANNEL RELATIVE SENSITIVITY - GPRS

Intermediate Channel Relative Sensitivity				
GPRS Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
850	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

Intermediate Channel Relative Sensitivity				
GPRS Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
1900	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

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TABLE: B7 INTERMEDIATE CHANNEL RELATIVE SENSITIVITY - EGPRS

Intermediate Channel Relative Sensitivity				
EGPRS Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
850	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

Intermediate Channel Relative Sensitivity				
EGPRS Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
1900	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

TABLE: B8 INTERMEDIATE CHANNEL RELATIVE SENSITIVITY - WCDMA

Intermediate Channel Relative Sensitivity				
WCDMA Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
FDD II	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

Intermediate Channel Relative Sensitivity				
WCDMA Fixed Antenna				
Band	Intermediate Channels	Free Space	SAM Left Ear	SAM Right Ear
FDD V	Low	Pass	N/A	N/A
	Mid	Pass	N/A	N/A
	High	Pass	N/A	N/A

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TABLE: B9 PASS FAIL RESULTS

Protocol/Band	Device Power Class	TRP Limits (dBm)		TRP		TIS Limits (dBm)		TIS	
				Pass / Fail / Informational Only				Pass / Fail / Informational Only	
		Free Space	SAM Head	FS	SAM Head	Free Space	SAM Head	FS	SAM Head
GSM850	Class 4	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
GSM1900	Class 1	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
GPRS850	Class 4	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
GPRS1900	Class 1	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
EGPRS850	Class E2	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
EGPRS1900	Class E2	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
WCDMA FDD II	Class 3	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only
WCDMA FDD V	Class 3	TBD	TBD	Informational Only	Informational Only	TBD	TBD	Informational Only	Informational Only

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FS = Free Space,

SAM = SAM Phantom Head

* Mark values exceeding pass/fail limits in **RED**.

Milpitas 2011-12-07

Technical responsibility for area of testing:

12/07/11	OTA	Thomas Tam (OTA Lab Manager)	
Date	Section	Name	Signature

This report is prepared by:

12/07/11	OTA	Nicolas Stamber (OTA Test Engineer)	
Date	Section	Name	Signature

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1. Revision History

Version	Date	By	Status / changes
1.0	12/07/11	NS	Final version

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