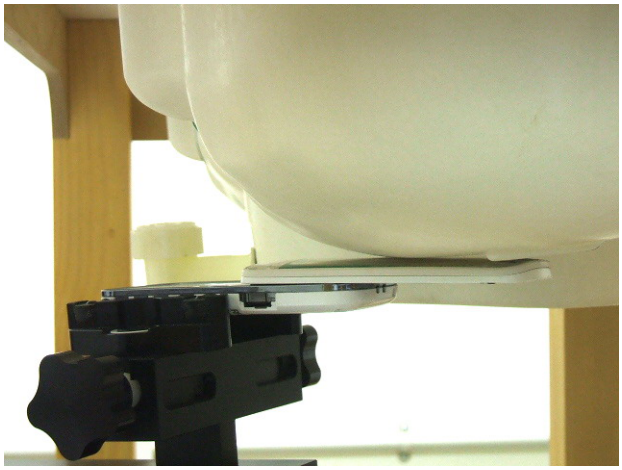
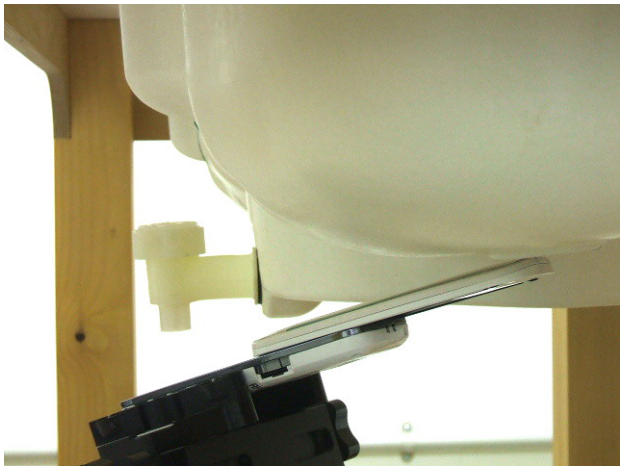
A.3 SAR Measurement Data

A.3.1 WCDMA 850 MHz (Band-V) Band

A.3.1.1 Left Head – slide out (keypad open)



Cheek/Touch Position



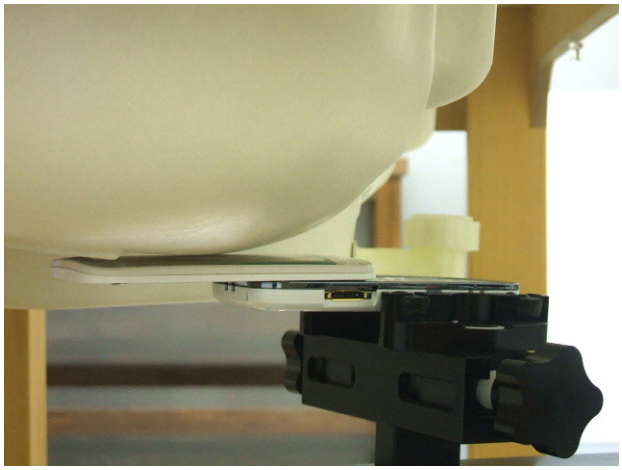
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : October 30, 2008

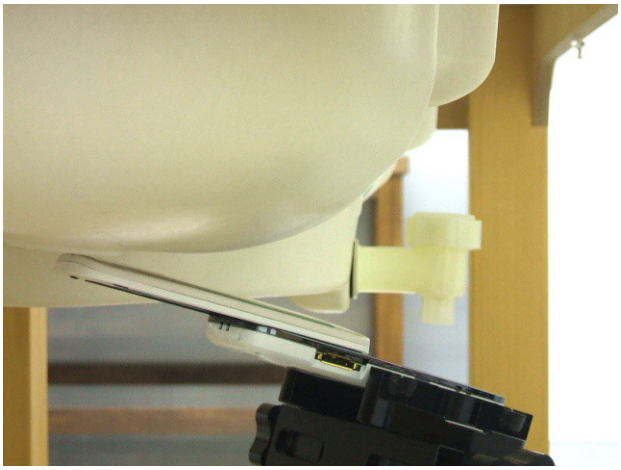
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	SAR (1g) [mW/g]	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.047		0.298	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.046		0.155	22.0
	4233	846.60	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
5. Please refer to attachment for the result presentation in plot format.

A.3.1.2 Right Head – slide out (keypad open)



Cheek/Touch Position



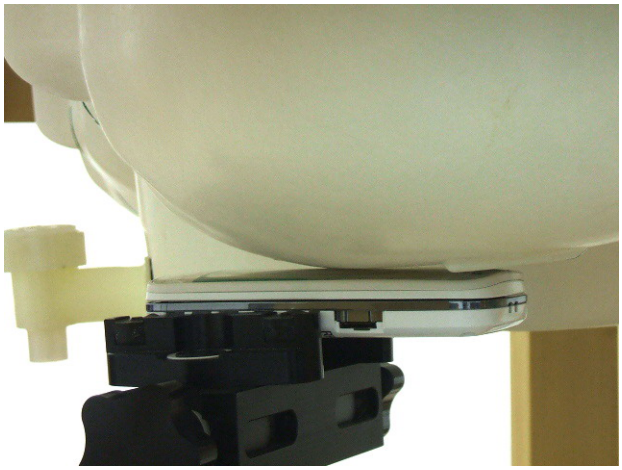
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : October 30, 2008

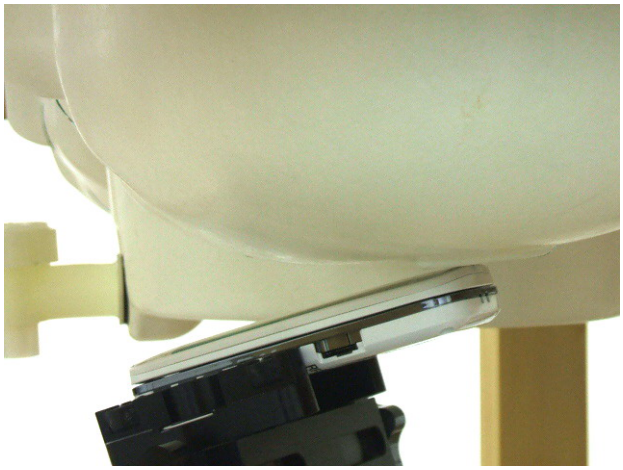
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.020		0.285	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.033		0.149	22.0
	4233	846.60	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
5. Please refer to attachment for the result presentation in plot format.

A.3.1.3 Left Head – slide in (keypad close)



Cheek/Touch Position



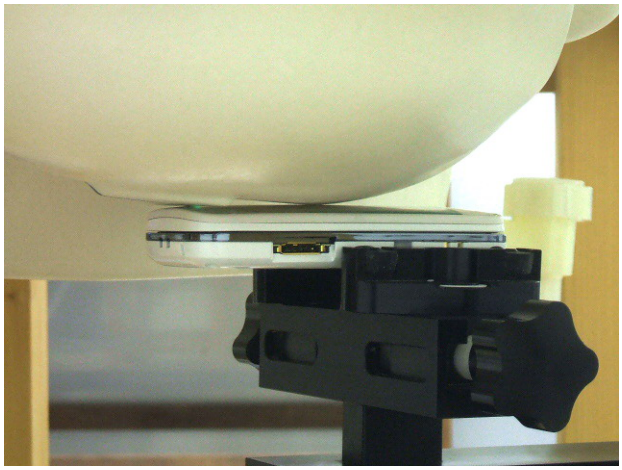
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : October 30, 2008

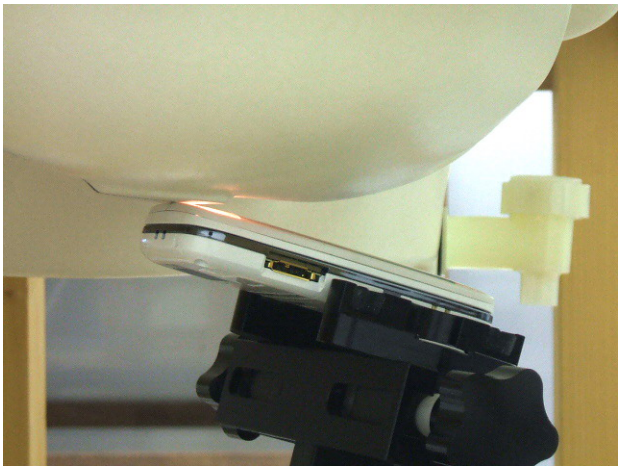
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	SAR (1g) [mW/g]	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	23.55	0.020	1.6	0.532	22.0
	4182	836.40	23.54	0.003		0.558	22.0
	4233	846.60	23.42	-0.075		0.637	22.0
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.045		0.394	22.0
	4233	846.60	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
5. Please refer to attachment for the result presentation in plot format.

A.3.1.4 Right Head – slide in (keypad close)



Cheek/Touch Position



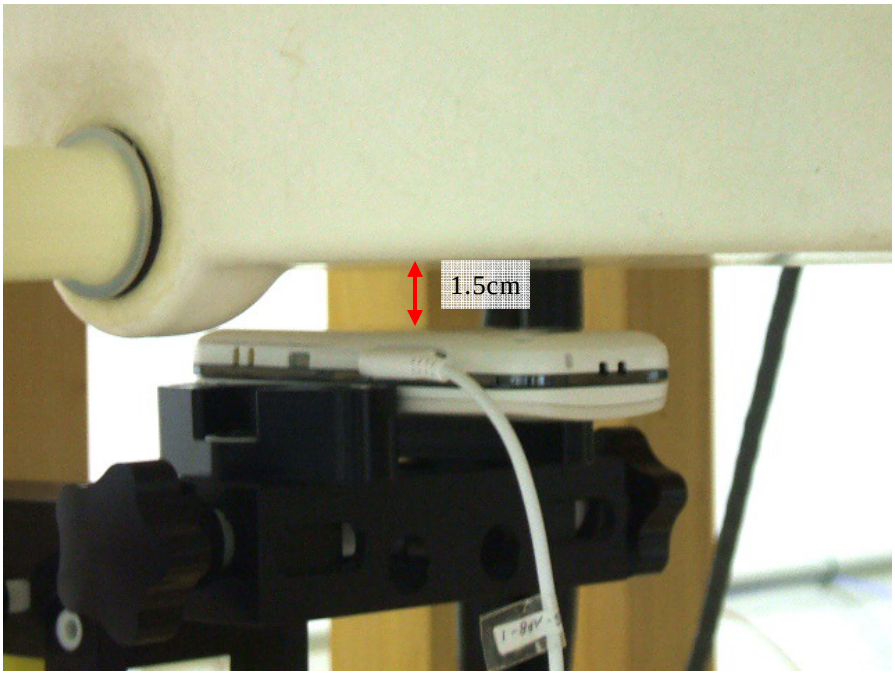
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : October 30, 2008

Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.059		0.528	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	23.54	-0.042		0.374	22.0
	4233	846.60	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
5. Please refer to attachment for the result presentation in plot format.

A.3.1.5 Body-worn Position



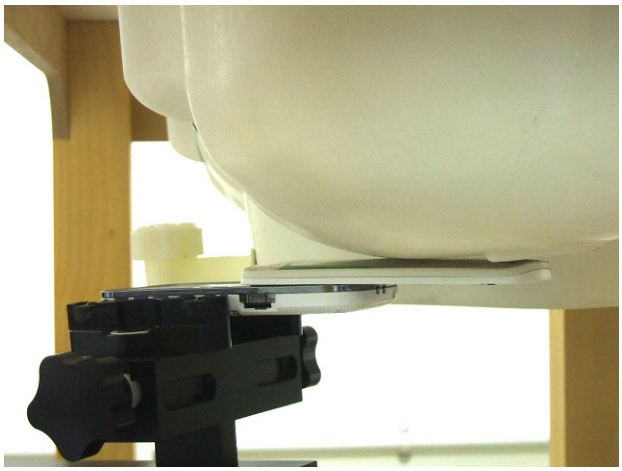
WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : October 31, 2008

Separation Distance	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
1.5 cm	4132	826.40	23.55	-0.016	1.6	0.645	22.0
	4182	836.40	23.54	-0.004		0.687	22.0
	4233	846.60	23.42	-0.022		**0.724**	22.0

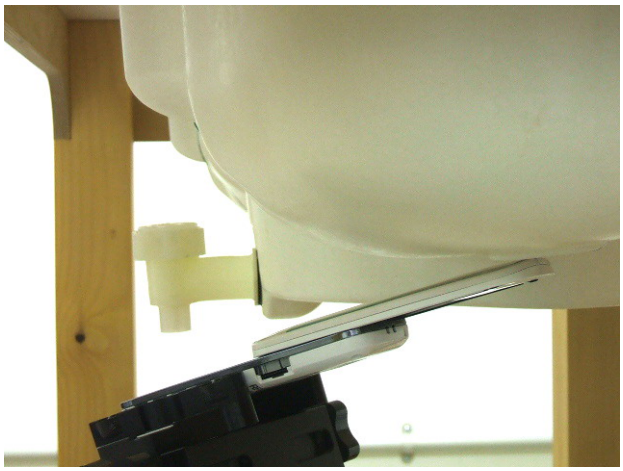
NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. Please refer to attachment for the result presentation in plot format.

A.3.2 PCS 1900 MHz Band

A.3.2.1 Left Head – slide out (keypad open)



Cheek/Touch Position



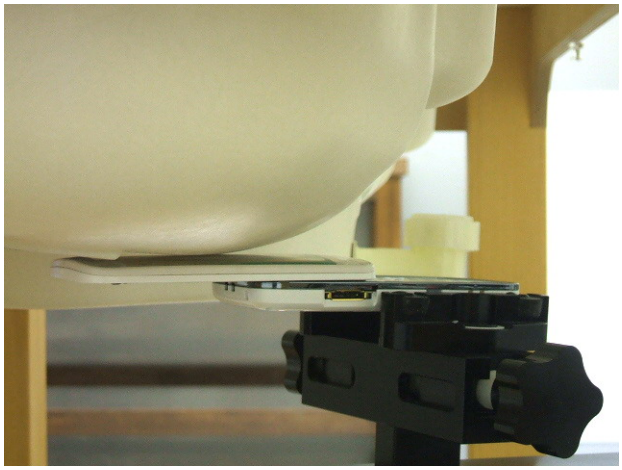
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : October 29, 2008

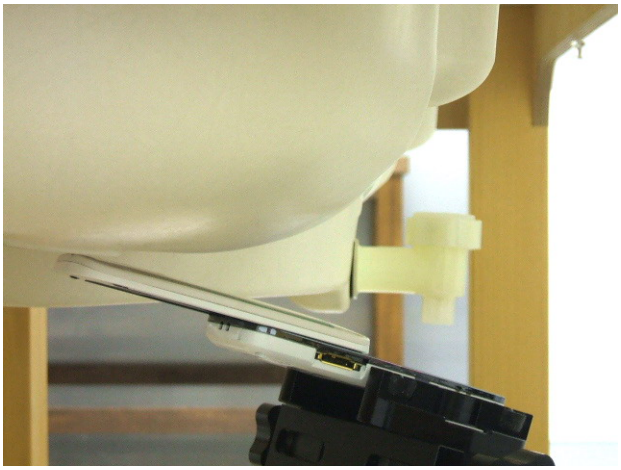
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.070		0.086	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.051		0.077	22.0
	0810	1909.80	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
4. Please refer to attachment for the result presentation in plot format.

A.3.2.2 Right Head – slide out (keypad open)



Cheek/Touch Position



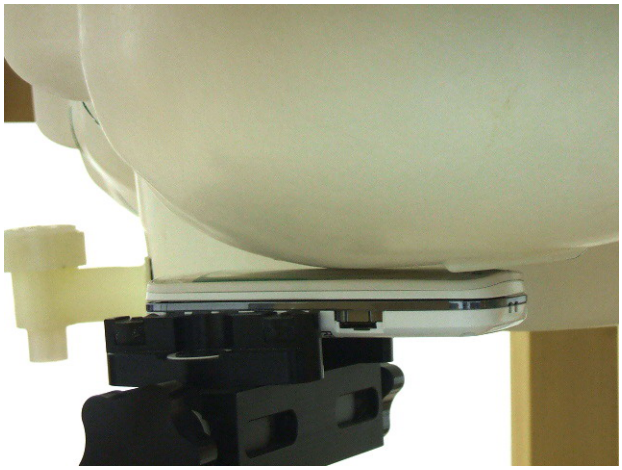
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : October 29, 2008

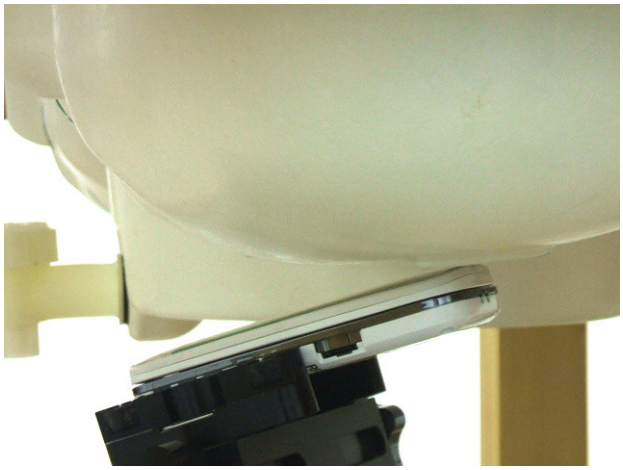
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.046		0.075	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.086		0.090	22.0
	0810	1909.80	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
4. Please refer to attachment for the result presentation in plot format.

A.3.2.3 Left Head – slide in (keypad close)



Cheek/Touch Position



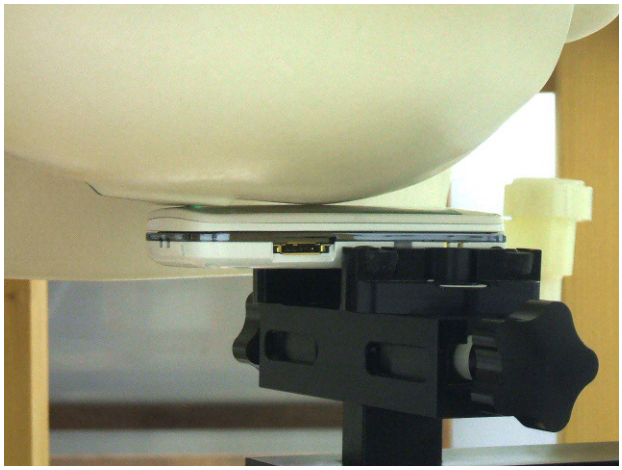
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : October 29, 2008

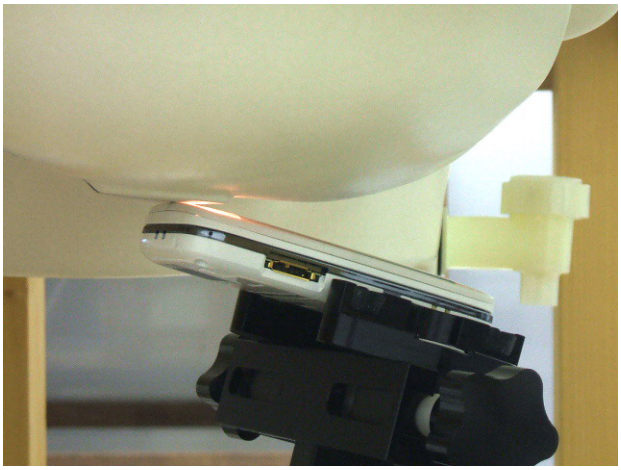
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.034		0.331	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.001		0.390	22.0
	0810	1909.80	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
4. Please refer to attachment for the result presentation in plot format.

A.3.2.4 Right Head – slide in (keypad close)



Cheek/Touch Position



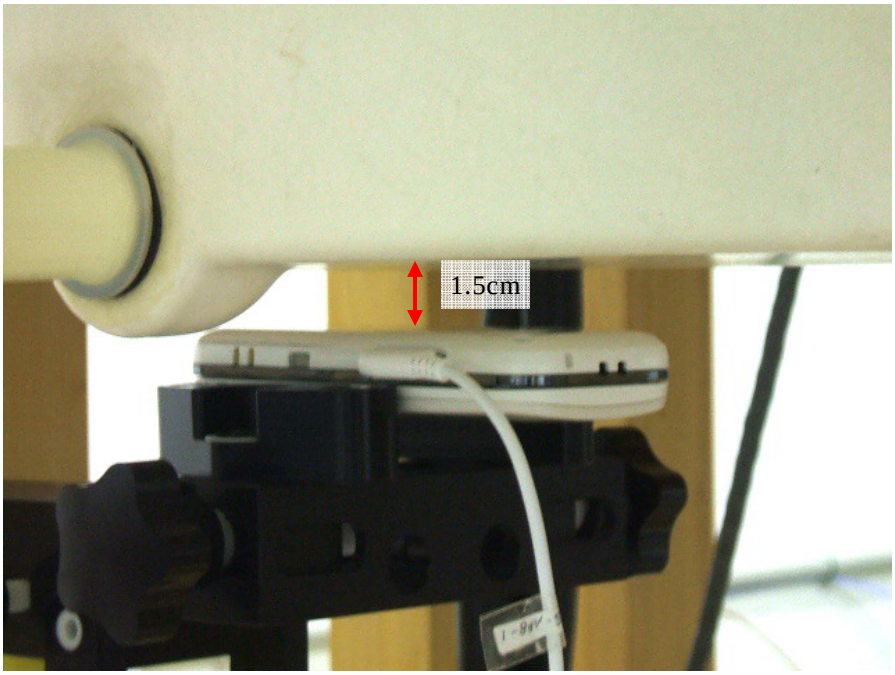
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : October 29, 2008

Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	SAR (1g) [mW/g]	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.019		0.362	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	29.05	-0.011	1.6	0.498	22.0
	0661	1880.00	28.76	-0.009		0.402	22.0
	0810	1909.80	28.53	-0.005		0.317	22.0

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
4. Please refer to attachment for the result presentation in plot format.

A.3.2.5 Body-worn Position



GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : October 31, 2008

Separation Distance	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	SAR (1g) [mW/g]	Tissue Temp. [°C]
	Channel	MHz					
1.5 cm	0512	1850.20	29.05	-0.015	1.6	0.415	22.0
	0661	1880.00	28.76	-0.014		0.288	22.0
	0810	1909.80	28.53	-0.023		0.214	22.0
GSM 1900 GSM+GPRS (Duty Cycle: 12.0 %, Crest Factor: 8.3)							
1.5 cm	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	28.76	-0.014		0.279	22.0
	0810	1909.80	--	--		**	--

NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. The SAR result marked at ** is optional, because the SAR measured at the middle channel for that configuration is at least 3.0 dB lower than the SAR limit.
4. The earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. Please refer to attachment for the result presentation in plot format.