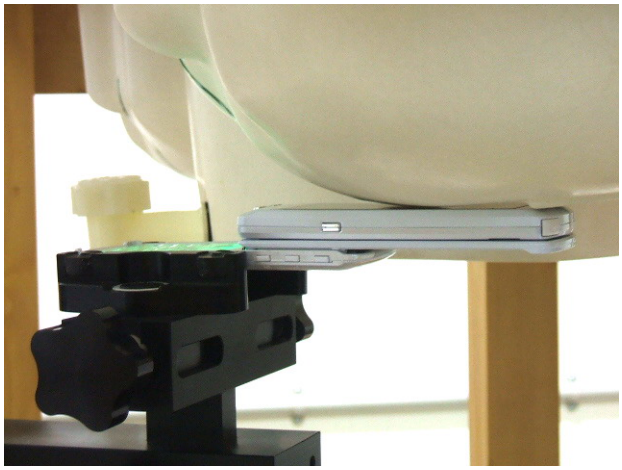
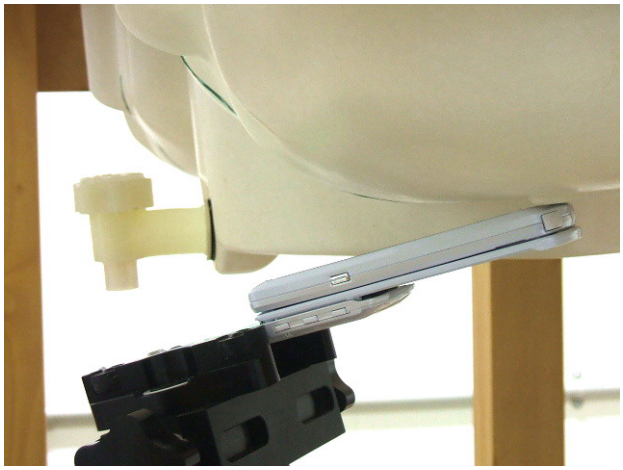
A.3 SAR Measurement Data

A.3.1 WCDMA Band V

A.3.1.1 Left Head w/ key unit (keypad open)



Cheek/Touch Position



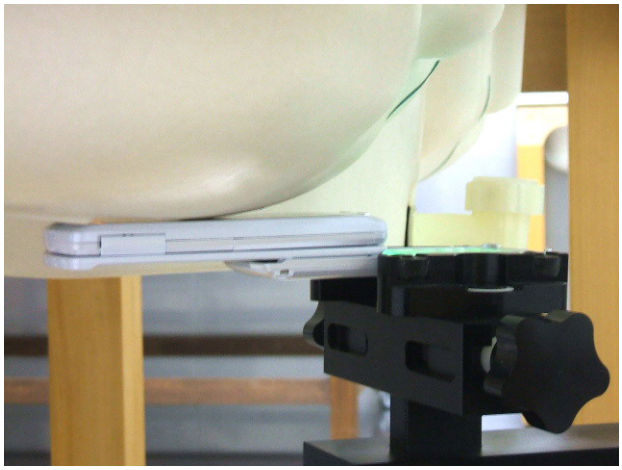
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

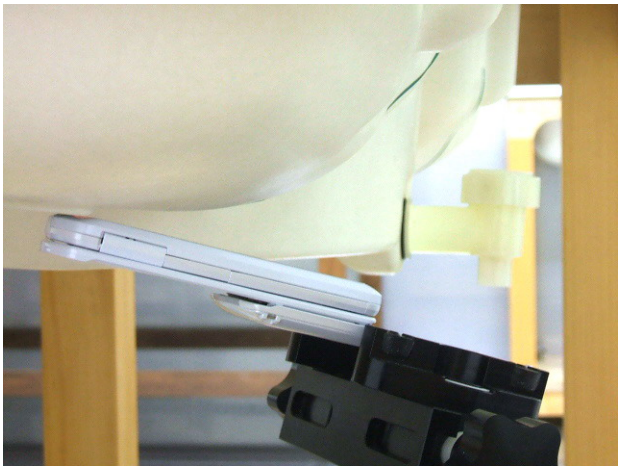
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	SAR (1g) [mW/g]	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.013		0.708	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.005		0.513	22.0
	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 w/ key unit (keypad open)



Cheek/Touch Position



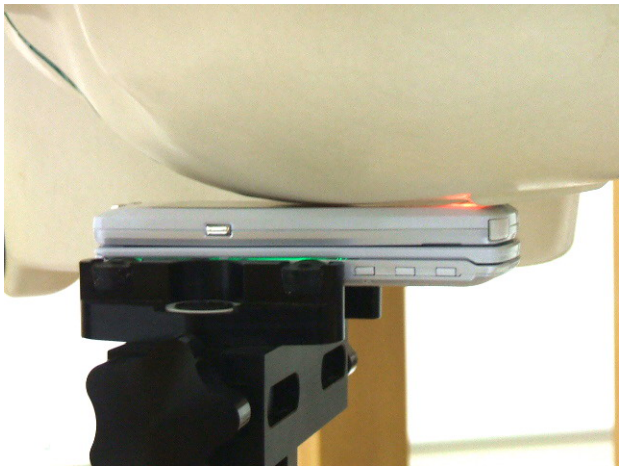
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

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	23.06	-0.029	1.6	0.800	22.0
	4182	836.40	22.89	-0.019		0.868	22.0
	4233	846.60	22.45	-0.034		0.626	22.0
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.020		0.707	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 w/ key unit (keypad close)



Cheek/Touch Position

Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

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	22.89	-0.014		0.681	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.027		0.537	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 w/ key unit (keypad close)

Cheek/Touch Position

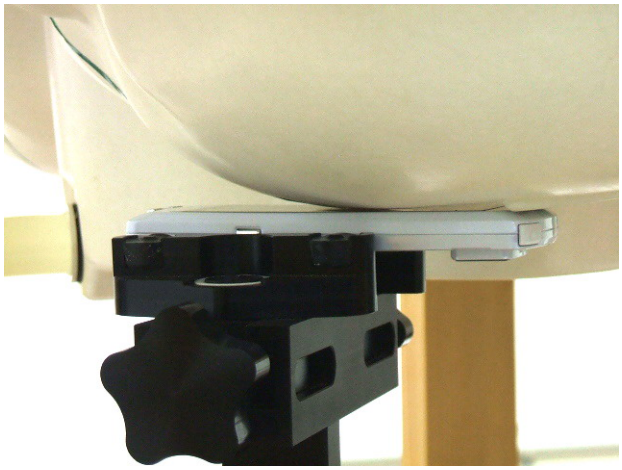
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

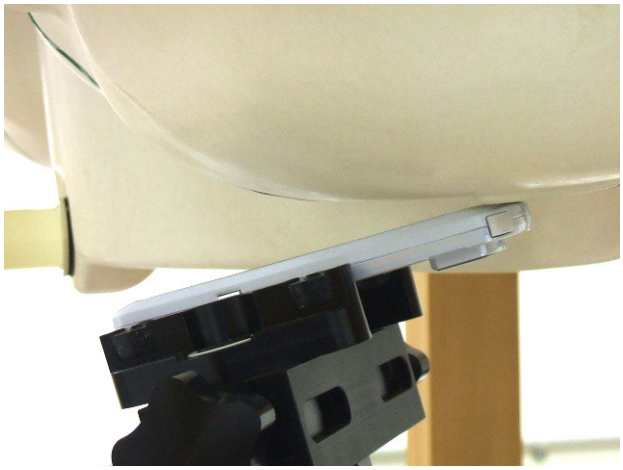
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.041		0.796	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.025		0.732	22.0
	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 Left Head w/o key unit



Cheek/Touch Position



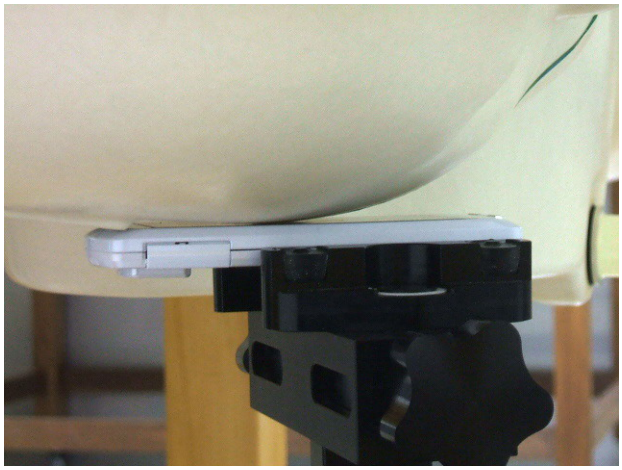
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

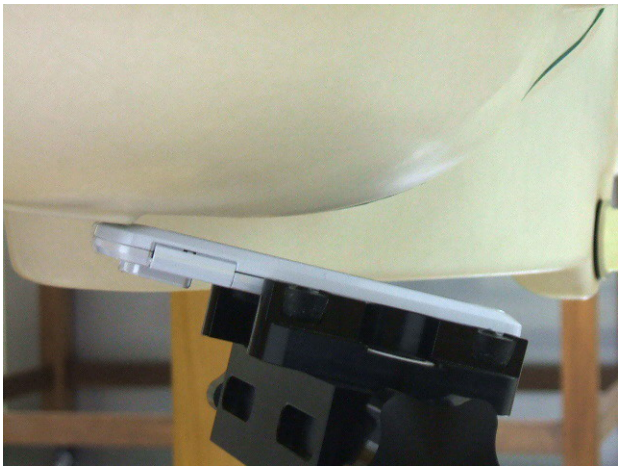
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.006		0.796	22.0
	4233	846.60	--	--		**	--
Ear/Tilt	4132	826.40	--	--	1.6	**	--
	4182	836.40	22.89	-0.002		0.625	22.0
	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.3.1.6 Right Head w/o key unit



Cheek/Touch Position



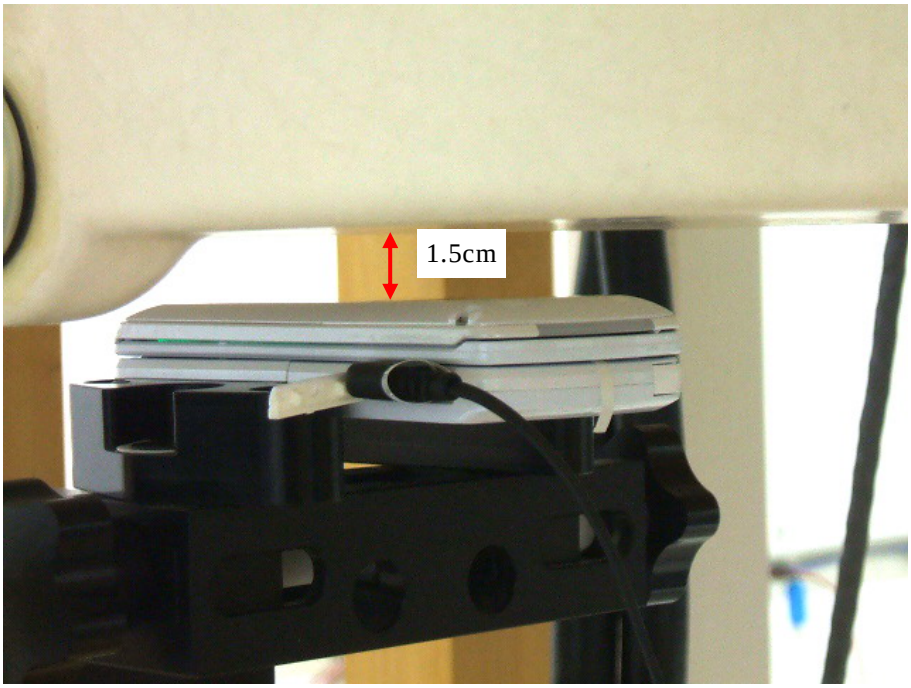
Ear/Tilt Position

WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 9, 2009

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	23.06	-0.021	1.6	0.868	22.0
	4182	836.40	22.89	-0.003		0.914	22.0
	4233	846.60	22.45	-0.006		0.675	22.0
Ear/Tilt	4132	826.40	23.06	-0.012	1.6	0.800	22.0
	4182	836.40	22.89	-0.010		0.824	22.0
	4233	846.60	22.45	-0.039		0.586	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. Please refer to attachment for the result presentation in plot format.

A.3.1.7 Body-worn Back Position w/ key unit

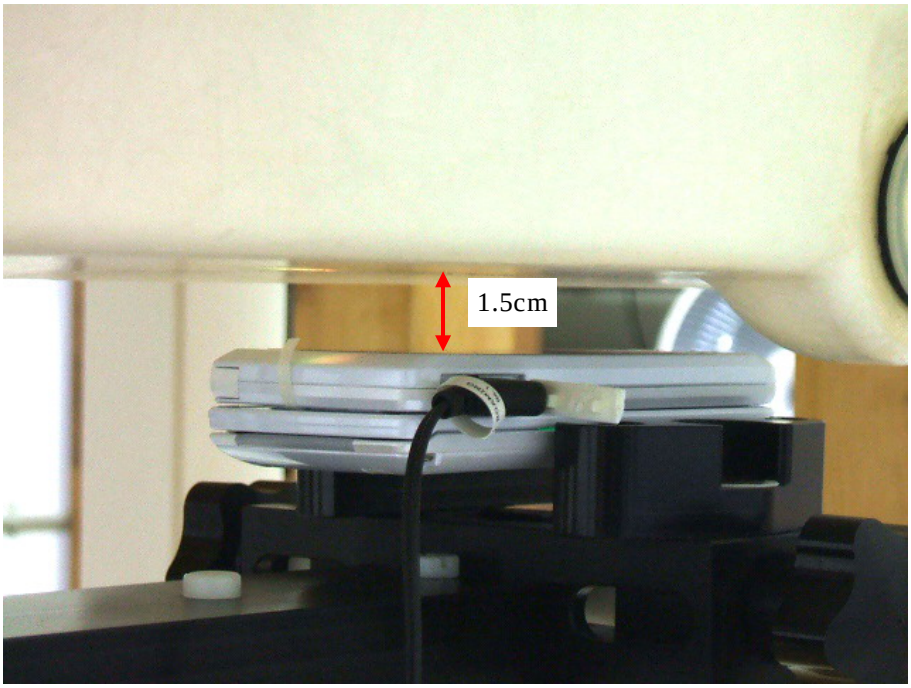


WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 10, 2009

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	--	--	1.6	**	--
	4182	836.40	22.89	-0.022		0.032	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 earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. 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.
6. Please refer to attachment for the result presentation in plot format.

A.3.1.8 Body-worn Front Position w/ key unit

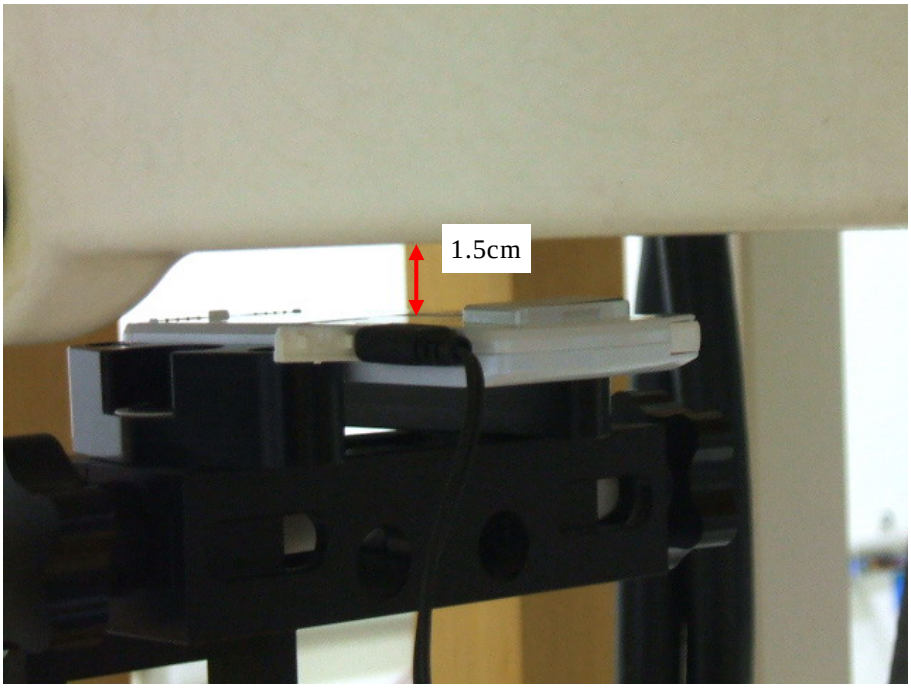


WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 10, 2009

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	--	--	1.6	**	--
	4182	836.40	22.89	-0.005		0.141	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 earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. 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.
6. Please refer to attachment for the result presentation in plot format.

A.3.1.9 Body-worn Back Position w/o key unit

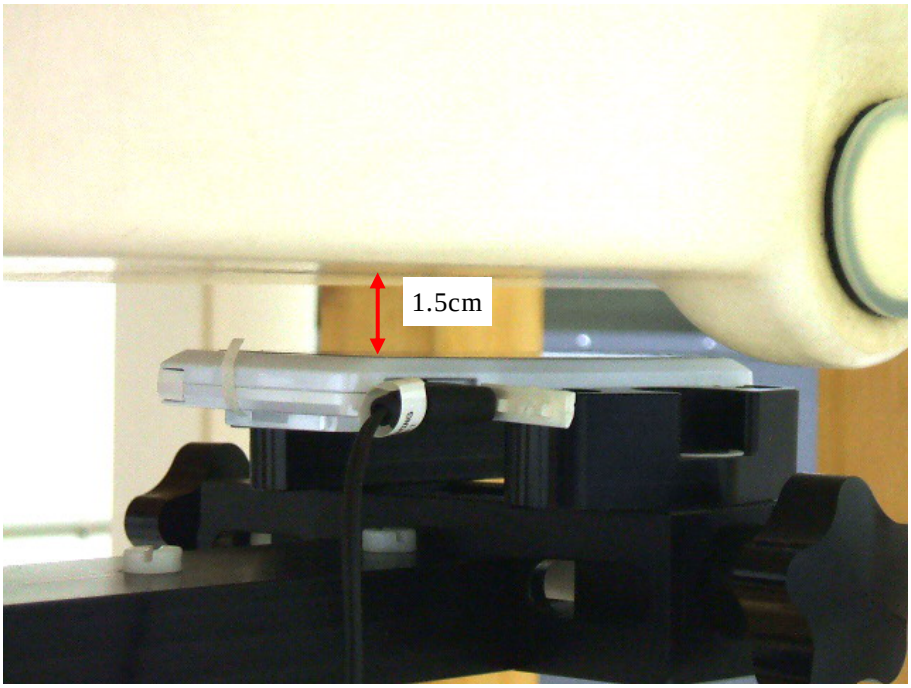


WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 10, 2009

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	--	--	1.6	**	--
	4182	836.40	22.89	-0.010		0.126	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 earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. 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.
6. Please refer to attachment for the result presentation in plot format.

A.3.1.10 Body-worn Front Position w/o key unit



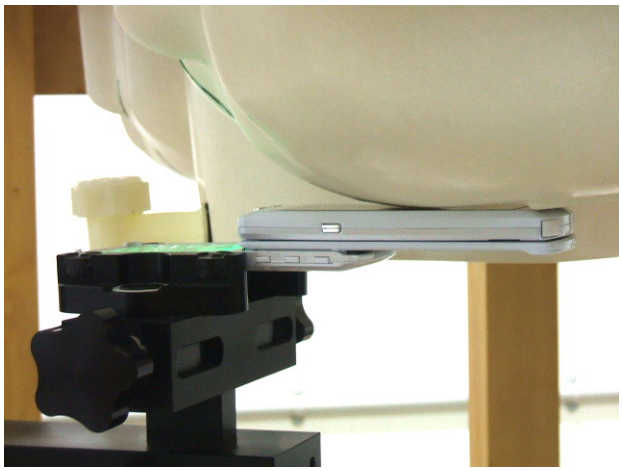
WCDMA Band-V (Duty Cycle: 100 %, Crest Factor: 1) Date : December 10, 2009

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	23.06	-0.011	1.6	0.132	22.0
	4182	836.40	22.89	-0.009		**0.147**	22.0
	4233	846.60	22.45	-0.002		0.111	22.0

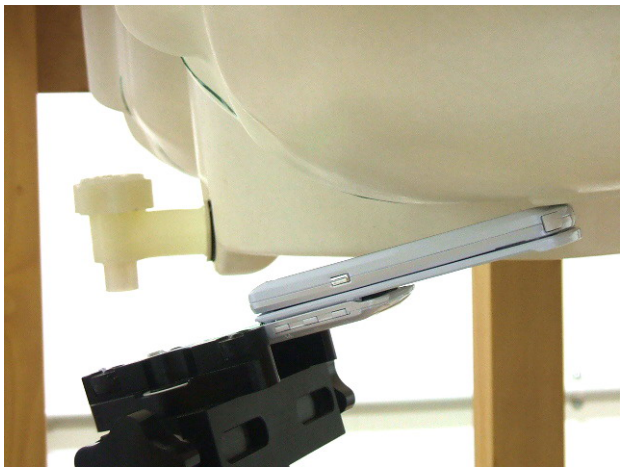
NOTES :
1. Depth of Liquid : 15.0 cm
2. Transmitter power was measured at the antenna-conducted terminal.
3. SAR is measured using a 12.2 kbps RMC.
4. The earphone wire connected to the EUT to simulate hand-free operation in a body-worn configuration.
5. Please refer to attachment for the result presentation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

A.3.2 PCS 1900

A.3.2.1 Left Head w/ key unit (keypad open)



Cheek/Touch Position



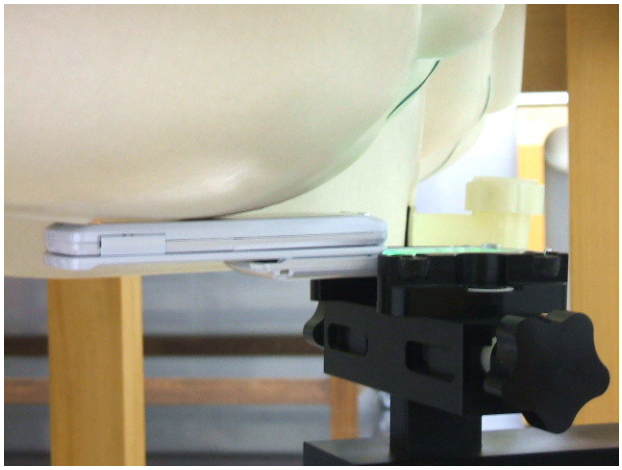
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

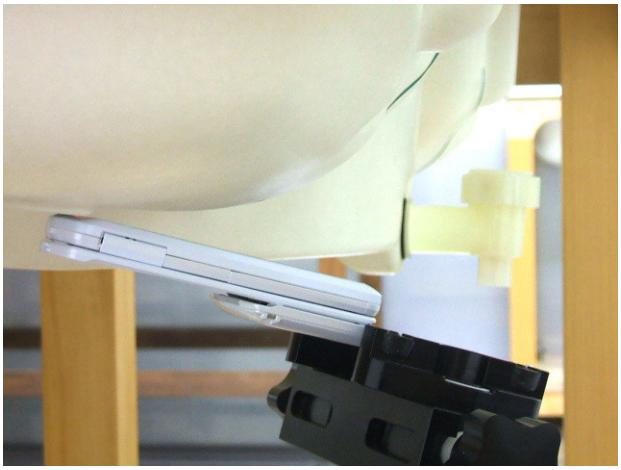
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.015		0.455	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.050		0.528	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 w/ key unit (keypad open)



Cheek/Touch Position



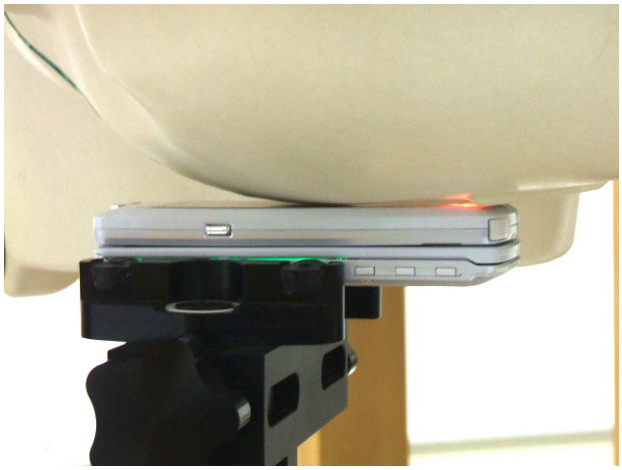
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

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	29.67	-0.018	1.6	0.681	22.0
	0661	1880.00	29.70	-0.031		0.839	22.0
	0810	1909.80	29.82	-0.016		0.978	22.0
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.034		0.734	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 w/ key unit (keypad close)



Cheek/Touch Position

Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

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	29.70	-0.014		0.491	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.045		0.644	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 w/ key unit (keypad close)

Cheek/Touch Position

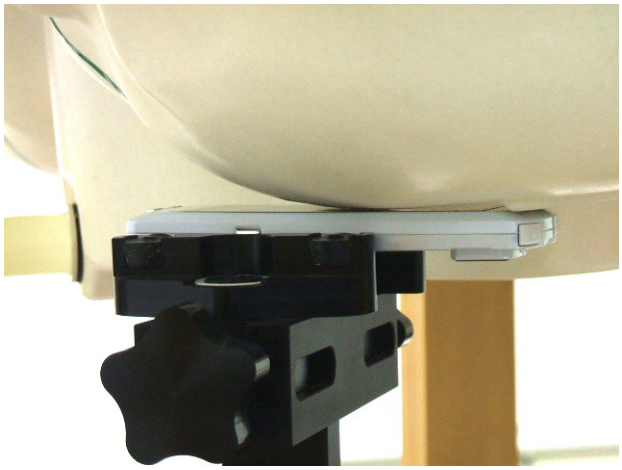
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

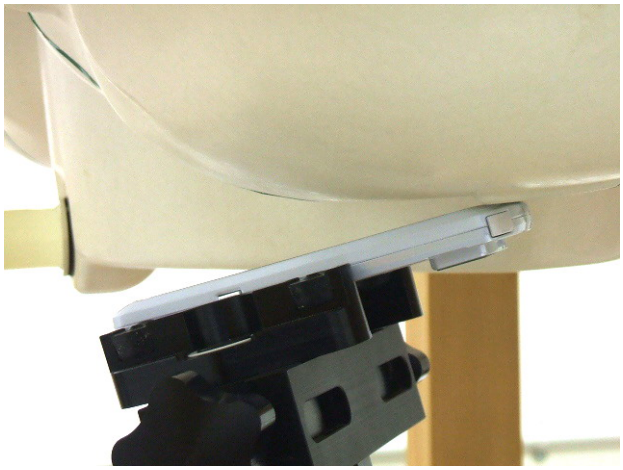
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	29.67	-0.035	1.6	0.650	22.0
	0661	1880.00	29.70	-0.011		0.826	22.0
	0810	1909.80	29.82	-0.028		0.968	22.0
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.016		0.758	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.3.2.5 Left Head w/o key unit



Cheek/Touch Position



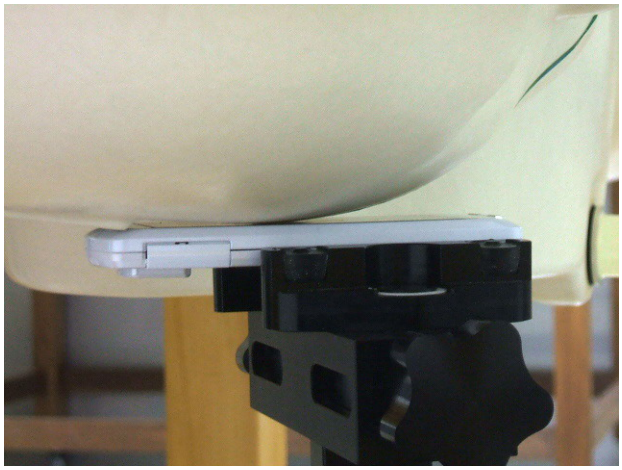
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

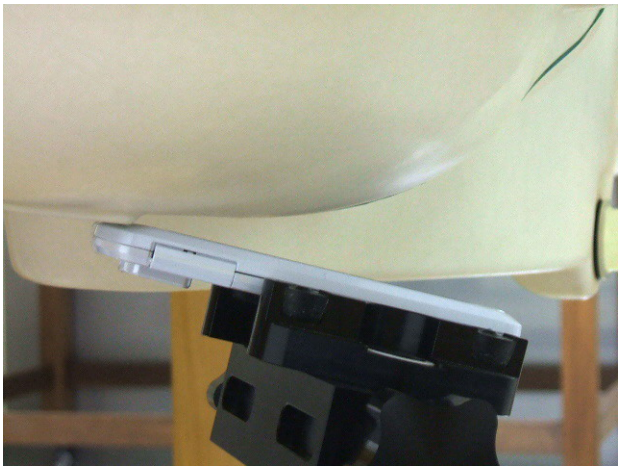
Test Position	Frequency		Tx Power [dBm]	Power Drift [dB]	Limit [mW/g]	**SAR (1g) [mW/g]**	Tissue Temp. [°C]
	Channel	MHz					
Cheek/Touch	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.038		0.439	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.064		0.521	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.3.2.6 Right Head w/o key unit



Cheek/Touch Position



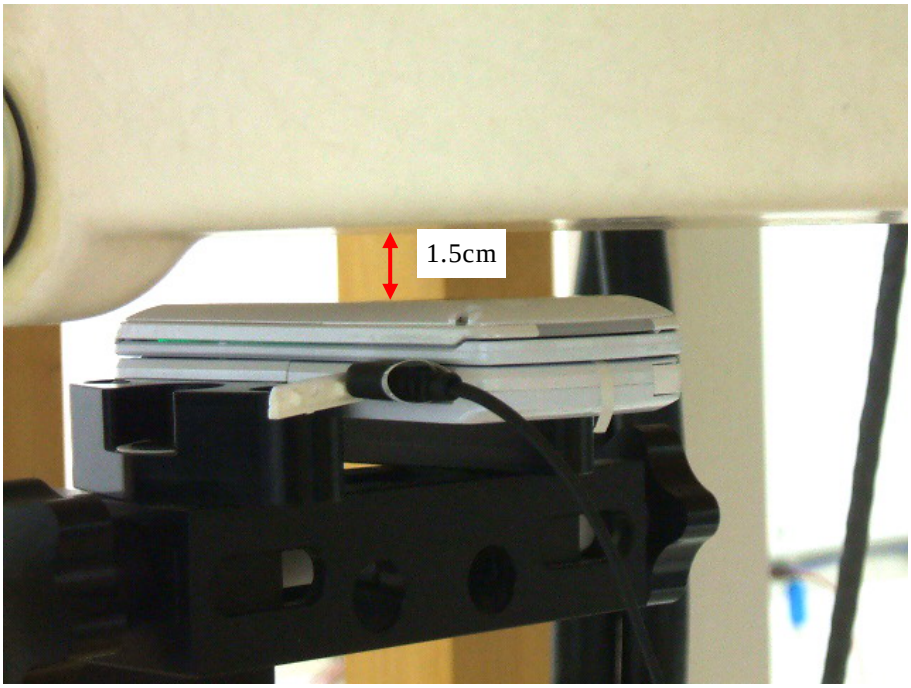
Ear/Tilt Position

GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 7, 2009

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	29.70	-0.031		0.780	22.0
	0810	1909.80	--	--		**	--
Ear/Tilt	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.023		0.724	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.3.2.7 Body-worn Back Position w/ key unit

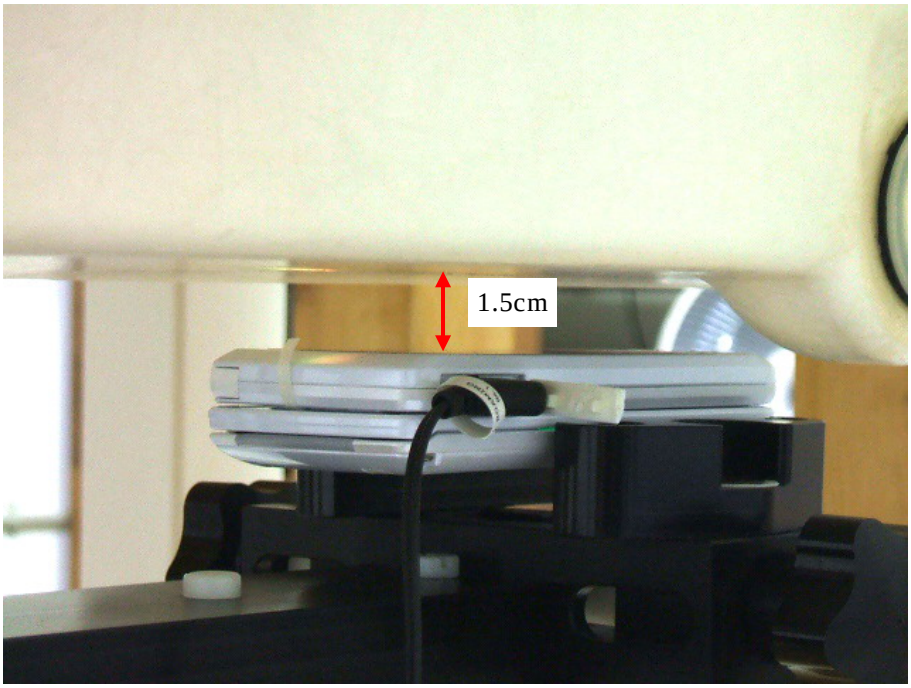


GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 8, 2009

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	--	--	1.6	**	--
	0661	1880.00	29.70	-0.061		0.017	22.0
	0810	1909.80	--	--		**	--
GSM 1900 GSM+GPRS (Duty Cycle: 12.0 %, Crest Factor: 8.3)							
1.5 cm	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.053		0.016	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.

A.3.2.8 Body-worn Front Position w/ key unit

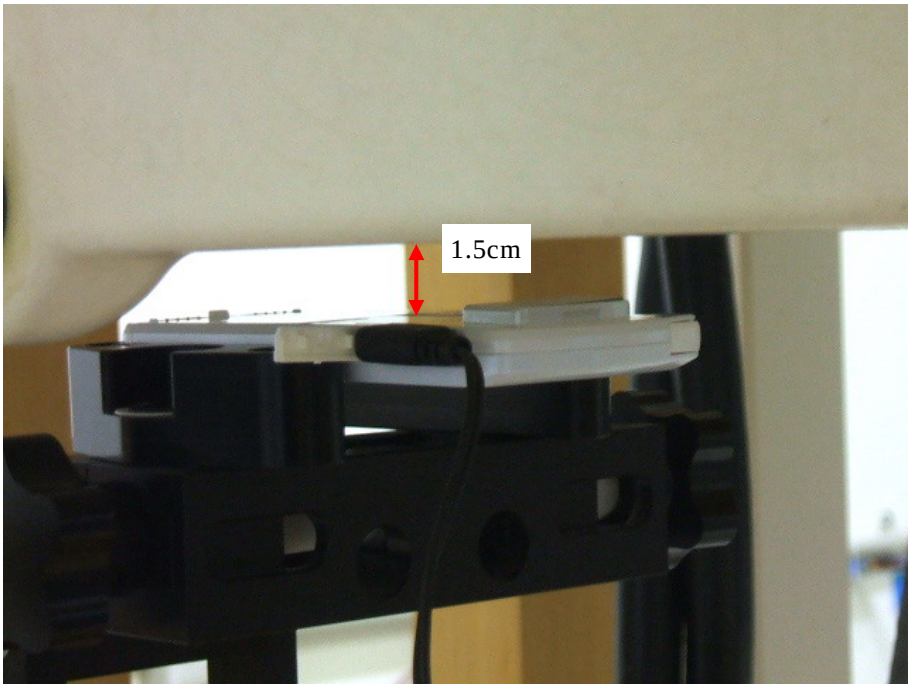


GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 8, 2009

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	29.67	-0.034	1.6	0.063	22.0
	0661	1880.00	29.70	-0.054		0.095	22.0
	0810	1909.80	29.82	-0.014		**0.118**	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	29.70	-0.041		0.092	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.

A.3.2.9 Body-worn Back Position w/o key unit

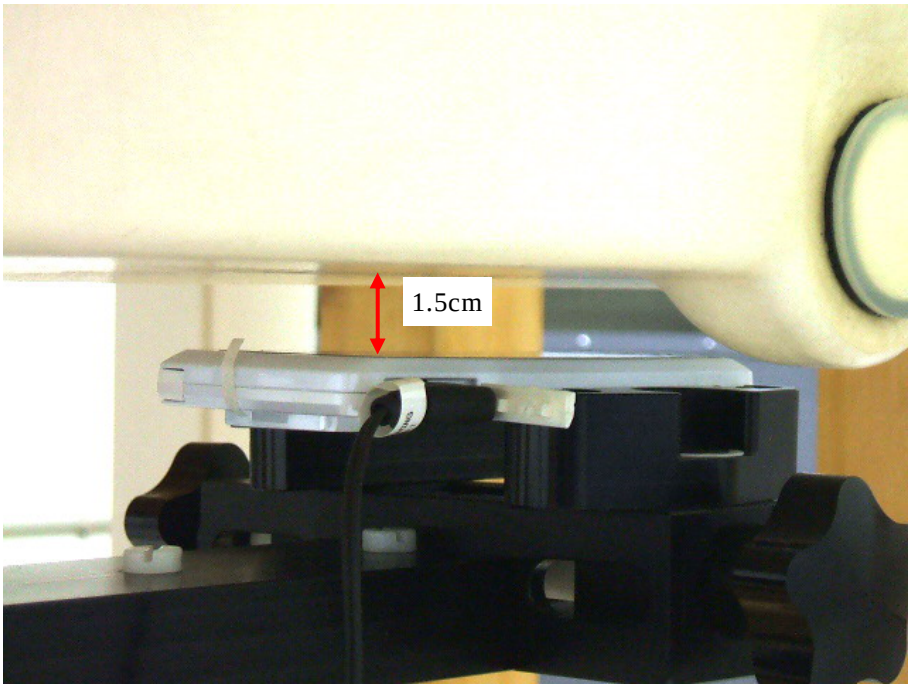


GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 8, 2009

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	--	--	1.6	**	--
	0661	1880.00	29.70	-0.037		0.066	22.0
	0810	1909.80	--	--		**	--
GSM 1900 GSM+GPRS (Duty Cycle: 12.0 %, Crest Factor: 8.3)							
1.5 cm	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.007		0.062	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.

A.3.2.10 Body-worn Front Position w/o key unit



GSM 1900 (Duty Cycle: 12.0 %, Crest Factor: 8.3) Date : December 8, 2009

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	--	--	1.6	**	--
	0661	1880.00	29.70	-0.024		0.071	22.0
	0810	1909.80	--	--		**	--
GSM 1900 GSM+GPRS (Duty Cycle: 12.0 %, Crest Factor: 8.3)							
1.5 cm	0512	1850.20	--	--	1.6	**	--
	0661	1880.00	29.70	-0.053		0.068	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.