
Appendix for the report:

Dosimetric Assessment of the Portable Device Siemens S65 (FCC ID: PWX-S65) According to the FCC Requirements

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The test results only relate to the items tested.
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Scaling up of SAR values

After the SAR measurements of the Siemens S65, EMC samples with up to 0.3 dB higher output power settings were provided. Therefore the FCC requested the scaling up of the measured SAR values by 0.3 dB.

SAR Results

The Tables below contain the measured SAR values averaged over a mass of 1 g.

Phantom Configuration	Test Position	SAR _{1g} [W/kg]		Temperature	
		Channel 1880.0 MHz Measured Values 29.0 dBm	Channel 661 MHz Scaled Values 29.3 dBm	Ambient [°C]	Liquid [°C]
Left Side	Cheek	0.375	0.402	20.4	19.5
	Tilted	0.233	0.250	20.5	19.5
Right Head	Cheek	0.388*	0.416*	20.6	19.5
	Tilted	0.203	0.218	20.6	19.6

Table 1: Measured and scaled head phantom results for PCS 1900 for the Siemens S65 without Flash (*Max Cube).

Phantom Configuration	Test Position	SAR _{1g} [W/kg]		Temperature	
		Channel 1880.0 MHz Measured Values 29.0 dBm	Channel 661 MHz Scaled Values 29.3 dBm	Ambient [°C]	Liquid [°C]
Left Side	Cheek	0.270*	0.290*	20.5	19.4
	Tilted	0.278	0.298	20.6	19.5
Right Head	Cheek	0.243*	0.261*	20.6	19.4
	Tilted	0.178	0.191	20.6	19.4

Table 2: Measured and scaled head phantom results for PCS 1900 for the Siemens S65 with Flash (*Max Cube).

Phantom Configuration	Test Position	SAR _{1g} [W/kg]		Temperature	
		Channel 1880.0 MHz Measured Values 29.0 dBm	Channel 661 1880.0 MHz Scaled Values 29.3 dBm	Ambient [°C]	Liquid [°C]
Right Side	Cheek, without flash	0.432*	0.463*	20.6	19.5

Table 3: Measured and scaled head phantom results for PCS 1900 for the Siemens S65, worst case position, with Bluetooth headset (*Max Cube).

Accessory	SAR _{1g} [W/kg]		Temperature	
	Channel 1880.0 MHz Measured Values 29.0 dBm	Channel 661 1880.0 MHz Scaled Values 29.3 dBm	Ambient [°C]	Liquid [°C]
S65, antenna towards the phantom with headset	0.131*	0.141*	20.1	19.1

Table 4: Measurement and scaled results in body-worn configuration for PCS 1900 for the Siemens S65 in GSM mode, 1 TX slot (gap = 2.2 cm) (*Max Cube).

Accessory (Liquid depth = 16.3 cm)	SAR _{1g} [W/kg]		Temperature	
	Channel 1880.0 MHz Measured Values 29.0 dBm	Channel 661 1880.0 MHz Scaled Values 29.3 dBm	Ambient [°C]	Liquid [°C]
S65, antenna towards the phantom	0.275*	0.295*	20.2	19.1
S65, antenna towards the phantom & activated Bluetooth	0.263*	0.282*	20.2	19.1

Table 5: Measurement and scaled results in body-worn configuration for PCS 1900 for the Siemens S65 in GPRS mode, 2 TX slots (gap = 2.2 cm) (*Max Cube).

The “* Max Cube” labeling indicates that during the grid scanning an additional peak was found which was within 2.0 dB of the highest peak. The value of the highest cube is given in the tables above, the value from the second assessed cube is given in the SAR distribution plots (appendix).

The Siemens S65 mobile phone (FCC ID: PWX-S65) with scaled SAR values (+ 0.3 dB) is in compliance with the Federal Communications Commission (FCC) Guidelines [FCC 2001] for uncontrolled exposure.

The phone was tested for the following configurations:

- **Body Worn with the following accessories and combinations with 2.2 cm distance:**

GSM mode (1 TX slot) with headset

GPRS mode (2 TX slots, Class 10)

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