

SAR TEST REPORT

Issued to

For

UNIVERSAL CHIP

Model Name : BE-iP01 for Apple /BE-AND01 for Android
Trade Name : Brainwave Technology
Brand Name : Brainwave Smart Chip
Test date : 2014-8-21 to 201-8-28
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by

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9. TEST RESULTS LIST

Results in **Table 1~4** are tested with cellphone alone (**without any chip**)

1.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for iPhone 5 (WCDMA 850 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 4132 | / | / |
| | | | 4175 | 0.731 | 0.553 |
| | | | 4233 | / | / |
| Summary of Measurement Results for iPhone 5 (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2787 | 0.768 | 0.557 |
| | | | 2863 | / | / |
| Summary of Measurement Results for iPhone 5 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 2.131 | 1.191 |
| | | | 9888 | / | / |

2.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for iPhone 5s (WCDMA 850 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 4132 | / | / |
| | | | 4175 | 0.611 | 0.461 |
| | | | 4233 | / | / |
| Summary of Measurement Results for iPhone 5s (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2787 | 0.455 | 0.329 |
| | | | 2863 | / | / |
| Summary of Measurement Results for iPhone 5s (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 2.204 | 1.005 |
| | | | 9888 | / | / |

3.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for Samsung S4 (WCDMA 1900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9262 | / | / |
| | | | 9400 | 0.212 | 0.115 |
| | | | 9538 | / | / |
| Summary of Measurement Results for Samsung S4 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 0.463 | 0.283 |
| | | | 9888 | / | / |

4.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|---|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for Samsung S5 (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2787 | 0.368 | 0.266 |
| | | | 2863 | / | / |
| Summary of Measurement Results for Samsung S5 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 1.044 | 0.613 |
| | | | 9888 | / | / |

Results in **Table 5~8** are tested with cellphone put into anti radiation chip (**with universal chip**)

5.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for iPhone 5 (WCDMA 850 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 4132 | / | / |
| | | | 4175 | 0.029 | 0.008 |
| | | | 4233 | / | / |
| Summary of Measurement Results for iPhone 5 (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2787 | 0.129 | 0.076 |
| | | | 2863 | / | / |
| Summary of Measurement Results for iPhone 5 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 0.710 | 0.384 |
| | | | 9888 | / | / |

6.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for iPhone 5s (WCDMA 850 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 4132 | / | / |
| | | | 4175 | 0.097 | 0.064 |
| | | | 4233 | / | / |
| Summary of Measurement Results for iPhone 5s (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2787 | 0.085 | 0.052 |
| | | | 2863 | / | / |
| Summary of Measurement Results for iPhone 5s (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 1.000 | 0.530 |
| | | | 9888 | / | / |

7.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|--|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for Samsung S4 (WCDMA 1900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9262 | / | / |
| | | | 9400 | 0.012 | 0.005 |
| | | | 9538 | / | / |
| Summary of Measurement Results for Samsung S4 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 0.046 | 0.023 |
| | | | 9888 | / | / |

8.

| Temperature: 21.0~23.8°C, humidity: 54~60%. | | | | | |
|---|-----------------------|-------------------|---------------------|--------------------|----------------------|
| Summary of Measurement Results for Samsung S5 (WCDMA 900 MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 2712 | / | / |
| | | | 2788 | 0.224 | 0.168 |
| | | | 2863 | / | / |
| Summary of Measurement Results for Samsung S5 (WCDMA 2100MHz Band) | | | | | |
| Phantom Configurations | Device Test Positions | Antenna Positions | Device Test channel | SAR(W/Kg), 1g Peak | SAR(W/Kg), 10g value |
| Right Side Of Head | Cheek/Touch | Internal | 9612 | / | / |
| | | | 9750 | 0.303 | 0.201 |
| | | | 9888 | / | / |