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Report On

Specific Absorption Rate Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS

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REPORT ON

Specific Absorption Rate Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS

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June 2015

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DATED 18 June 2015

This report has been up-issued to Issue 3 due to include additional SAR measurements for LTE.

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SECTION 1

REPORT SUMMARY

Specific Absorption Rate Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V),
Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with
Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS

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1.1 INTRODUCTION

The information contained in this report is intended to show verification of the Specific Absorption Rate Testing of the Sharp Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V) , Quad-band GSM 850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS to the requirements of KDB 447498 – D01 v05 General RF Exposure Guidance.

Objective	To perform Specific Absorption Rate Testing to determine the Equipment Under Test's (EUT's) compliance with the requirements specified of KDB 447498 – D01 v05 General RF Exposure Guidance, for the series of tests carried out.
Applicant	Sharp Communication Compliance Ltd
Manufacturer	Sharp Corporation
Manufacturing Description	Mobile Handset
Serial/IMEI Number(s)	004401115406643 (SAR Test: GSM/WCDMA/LTE) 004401115406601 (SAR Test: WLAN) 004401115406650 (SAR Test: WLAN) 004401115406452 (Conducted: GSM) 004401115406387 (Conducted: WCDMA/LTE) 004401115406494 (Conducted: LTE) 004401115406536 (Conducted: Bluetooth) 004401115406510 (Conducted: WLAN – 2.4GHz) 004401115406445 (Conducted: WLAN – 5GHz)
Number of Samples Tested	3
Hardware Version	PP1
Software Version	C3120 - GSM/WCDMA/LTE A3180 - WLAN
Battery Cell Manufacturer	Sharp Corporation
Battery Model Number	Integral
Test Specification/Issue/Date	KDB 447498 – D01 v05 General RF Exposure Guidance
Start of Test	20 April 2015
Finish of Test	18 June 2015
Related Document(s)	FCC 47CFR 2.1093: 2013 KDB 248227 - v01r02 (Rev 1.2) KDB 865664 – D01 v01r03 KDB 865664 – D02 v01r01 KDB 648474 – D04 v01r02 KDB 941225 - D01 v03 KDB 941225 – D06 v02 KDB 941225 - D05 v02r03 IEEE 1528-2013
Name of Engineer(s)	Nigel Grigsby Nicolas Barincou

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1.2 BRIEF SUMMARY OF RESULTS

The measurements shown in this report were made in accordance with the procedures specified KDB 447498 – D01 v05r02.

The maximum 1g volume averaged SAR found during this Assessment

Max 1g SAR (W/kg) Body / Hotspot	0.76 (Measured)	0.78 (Scaled)
Max 1g SAR (W/kg) Head	0.58 (Measured)	0.76 (Scaled)
The maximum 1g volume averaged SAR level measured for all the tests performed did not exceed the limits for General Population/Uncontrolled Exposure (W/kg) Partial Body of 1.6 W/kg.		

The maximum 1g volume averaged Stand-alone Reported SAR found during this Assessment for each supported mode, including highest simultaneous transmission results;

Band	Test Configuration	Max Reported Scaled SAR (W/kg)	Highest Simultaneous Transmission Scaled SAR (W/kg)
GSM/GPRS 850	Head	0.76	1.08
	Body/Hotspot	0.78	
PCS/GPRS 1900	Head	0.71	
	Body/Hotspot	0.58	
WCDMA FDD V	Head	0.54	
	Body/Hotspot	0.57	
LTE Band 17	Body/Hotspot	0.52	
LTE Band 5	Body/Hotspot	0.53	
LTE Band 26	Body/Hotspot	0.43	
LTE Band 41	Body/Hotspot	0.78	
WLAN 2.4GHz	Head	0.10	
	Body/Hotspot	0.30	
WLAN 5GHz	Head	0.08	
	Body/Hotspot	0.28	
The maximum 1g volume averaged SAR level measured for all the tests performed (including simultaneous transmission analysis results) did not exceed the limits for General Population/Uncontrolled Exposure (W/kg) Partial Body of 1.6 W/kg.			

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1.3 TEST RESULTS SUMMARY

1.3.1 System Performance / Validation Check Results

Prior to formal testing being performed a System Check was performed in accordance with KDB 865664 and the results were compared against published data in Standard IEEE 1528-2003. The following results were obtained: -

System performance / Validation results

Date	Dipole Used	Frequency (MHz)	Max 1g SAR (W/kg)*	Percentage Drift on Reference
28/04/2015	700	700	7.50	0.19%
20/04/2015	835	835	10.27	1.25%
22/04/2015	835	835	10.15	6.70%
23/04/2015	835	835	9.22	-3.05%
24/04/2015	835	835	9.25	-2.71%
21/04/2015	1900	1900	38.82	6.76%
27/04/2015	1900	1900	36.99	-7.59%
30/04/2015	2450	2450	53.11	-2.93%
01/05/2015	2450	2450	54.30	-0.77%
01/05/2015	2450	2450	49.88	-2.80%
05/05/2015	2450	2450	50.95	-0.72%
27/04/2015	2600	2600	52.91	-5.93%
28/04/2015	2600	2600	55.53	-1.27%
12/06/2015	2600	2600	59.33	-3.21%
17/06/2015	2600	2600	57.10	-6.85%
18/06/2015	2600	2600	58.16	-5.12%
05/05/2015	5200	5200	80.01	-5.10%
05/05/2015	5200	5200	66.36	-2.22%
06/05/2015	5200	5200	65.97	-2.80%
07/05/2015	5500	5500	72.74	4.16%
07/05/2015	5500	5500	82.75	5.20%
08/05/2015	5200	5200	65.13	-4.04%

*Normalised to a forward power of 1W

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1.3.2 Results Summary Tables

GSM 850MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V) , Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	128	824.20	32.70	33.50	0.40	0.48	Figure 6
Left 15°	128	824.20	32.70	33.50	0.26	0.31	Figure 7
Right Cheek	128	824.20	32.70	33.50	0.43	0.52	Figure 8
Right 15°	128	824.20	32.70	33.50	0.31	0.37	Figure 9
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

GSM 850MHz GPRS Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V) , Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	128	824.20	30.10	31.30	0.54	0.71	Figure 10
Left 15°	128	824.20	30.10	31.30	0.33	0.43	Figure 11
Right Cheek	128	824.20	30.10	31.30	0.58	**0.76**	Figure 12
Right 15°	128	824.20	30.10	31.30	0.38	0.50	Figure 13
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz The time slot configuration with the highest source-based time-averaged maximum output power was used for testing, this was 2x time slots.							

GSM 850MHz GPRS Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	128	824.20	30.10	31.30	0.58	0.76	Figure 14
10mm	Rear Facing	128	824.20	30.10	31.30	0.59	**0.78**	Figure 15
10mm	Left Edge	128	824.20	30.10	31.30	0.43	0.57	Figure 16
10mm	Right Edge	128	824.20	30.10	31.30	0.49	0.64	Figure 17
10mm	Bottom Edge	128	824.20	30.10	31.30	0.13	0.17	Figure 18

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

The time slot configuration with the highest source-based time-averaged maximum output power was used for testing, this was 2x time slots.

WCDMA FDDV Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	4132	826.40	23.61	24.20	0.47	0.54	Figure 19
Left 15°	4132	826.40	23.61	24.20	0.32	0.37	Figure 20
Right Cheek	4132	826.40	23.61	24.20	0.45	0.52	Figure 21
Right 15°	4132	826.40	23.61	24.20	0.32	0.37	Figure 22

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

KDB 941225 D01 – Testing of the secondary mode was not required - When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

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WCDMA FDDV Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	4132	826.40	23.61	24.20	0.49	0.57	Figure 23
10mm	Rear Facing	4132	826.40	23.61	24.20	0.48	0.55	Figure 24
10mm	Left Edge	4132	826.40	23.61	24.20	0.36	0.41	Figure 25
10mm	Right Edge	4132	826.40	23.61	24.20	0.41	0.47	Figure 26
10mm	Bottom Edge	4132	826.40	23.61	24.20	0.10	0.11	Figure 27

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D01 – Testing of the secondary mode was not required - When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

Product Service

LTE FDD Band 17 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V) , Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

10MHz Bandwidth, 1 Resource Block, Middle Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	23780	709.00	23.64	24.20	0.39	0.44	Figure 28
10mm	Rear Facing	23780	709.00	23.64	24.20	0.46	0.52	Figure 29
10mm	Left Edge	23780	709.00	23.64	24.20	0.26	0.29	Figure 30
10mm	Right Edge	23780	709.00	23.64	24.20	0.23	0.26	Figure 31
10mm	Bottom Edge	23780	709.00	23.64	24.20	0.06	0.07	Figure 32

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.1. The requirements to test other resource block allocations and higher order modulations were not met.

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LTE FDD Band 17 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

10MHz Bandwidth, 25 Resource Blocks, Low Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	23800	711.00	22.54	23.20	0.29	0.34	Figure 33
10mm	Rear Facing	23800	711.00	22.54	23.20	0.35	0.41	Figure 34
10mm	Left Edge	23800	711.00	22.54	23.20	0.20	0.24	Figure 35
10mm	Right Edge	23800	711.00	22.54	23.20	0.18	0.20	Figure 36
10mm	Bottom Edge	23800	711.00	22.54	23.20	0.04	0.05	Figure 37

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.2. The requirements to test other resource block allocations and higher order modulations were not met.

Product Service

LTE FDD Band 5 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

10MHz Bandwidth, 1 Resource Block, Middle Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	20525	836.50	23.85	24.20	0.48	0.52	Figure 38
10mm	Rear Facing	20525	836.50	23.85	24.20	0.49	0.53	Figure 39
10mm	Left Edge	20525	836.50	23.85	24.20	0.30	0.33	Figure 40
10mm	Right Edge	20525	836.50	23.85	24.20	0.43	0.47	Figure 41
10mm	Bottom Edge	20525	836.50	23.85	24.20	0.10	0.11	Figure 42

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.1. The requirements to test other resource block allocations and higher order modulations were not met.

Product Service

LTE FDD Band 5 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

10MHz Bandwidth, 25 Resource Blocks, Middle Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	20450	829.00	22.65	23.20	0.34	0.38	Figure 43
10mm	Rear Facing	20450	829.00	22.65	23.20	0.36	0.40	Figure 44
10mm	Left Edge	20450	829.00	22.65	23.20	0.21	0.24	Figure 45
10mm	Right Edge	20450	829.00	22.65	23.20	0.27	0.31	Figure 46
10mm	Bottom Edge	20450	829.00	22.65	23.20	0.07	0.08	Figure 47

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.2. The requirements to test other resource block allocations and higher order modulations were not met.

Product Service

LTE FDD Band 26 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

15MHz Bandwidth, 1 Resource Block, Low Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	26765	821.50	24.07	24.20	0.42	0.43	Figure 48
10mm	Rear Facing	26765	821.50	24.07	24.20	0.41	0.42	Figure 49
10mm	Left Edge	26765	821.50	24.07	24.20	0.25	0.26	Figure 50
10mm	Right Edge	26765	821.50	24.07	24.20	0.32	0.33	Figure 51
10mm	Bottom Edge	26765	821.50	24.07	24.20	0.09	0.09	Figure 52

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.1. The requirements to test other resource block allocations and higher order modulations were not met.

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LTE FDD Band 26 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

15MHz Bandwidth, 36 Resource Blocks, Low Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	26965	841.5	22.70	24.25	0.35	0.50	Figure 53
10mm	Rear Facing	26965	841.5	22.70	24.25	0.37	0.53	Figure 54
10mm	Left Edge	26965	841.5	22.70	24.25	0.23	0.32	Figure 55
10mm	Right Edge	26965	841.5	22.70	24.25	0.31	0.44	Figure 56
10mm	Bottom Edge	26965	841.5	22.70	24.25	0.08	0.11	Figure 57

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.2. The requirements to test other resource block allocations and higher order modulations were not met.

Product Service

LTE TDD Band 41 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

20MHz Bandwidth, 1 Resource Block, Low Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	40620	2593.00	23.31	23.33	0.35	0.35	Figure 58
10mm	Rear Facing	40620	2593.00	23.31	23.33	0.71	0.71	Figure 59
10mm	Rear Facing	41490	2680.00	23.31	23.33	0.67	0.69	Figure 60
10mm	Rear Facing	39750	2506.00	23.31	23.33	0.58	0.59	Figure 61
10mm	Rear Facing	40185	2549.50	23.31	23.33	0.70	0.70	Figure 62
10mm	Rear Facing	41055	2636.50	23.31	23.33	0.69	0.71	Figure 63
10mm	Left Edge	40620	2593.00	23.31	23.33	*	*	Figure 64
10mm	Right Edge	40620	2593.00	23.31	23.33	0.07	0.07	Figure 65
10mm	Bottom Edge	40620	2593.00	23.31	23.33	0.76	0.76	Figure 66
10mm	Bottom Edge	41490	2680.00	23.19	23.33	0.76	**0.78**	Figure 67
10mm	Bottom Edge	39750	2506.00	23.26	23.33	0.72	0.73	Figure 68
10mm	Bottom Edge	40185	2549.50	23.19	23.33	0.70	0.72	Figure 69
10mm	Bottom Edge	41055	2636.50	23.21	23.33	0.71	0.73	Figure 70

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.1. The requirements to test other resource block allocations and higher order modulations were not met.

KDB 941225 D05v02r03 – Testing was performed as per the April 2013 TCB workshop slides. The TDD configuration was tested with the highest duty factor using UL-DL configuration 0 with special subframe configuration 6. KDB 941225 LTE test procedures were applied.
*No Measured SAR

Product Service

LTE TDD Band 41 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

20MHz Bandwidth, 50 Resource Blocks, Middle Offset.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	39750	2506.00	22.53	23.20	0.27	0.32	Figure 71
10mm	Rear Facing	39750	2506.00	22.53	23.20	0.56	0.65	Figure 72
10mm	Rear Facing	41490	2680.0	22.53	23.20	0.50	0.60	Figure 73
10mm	Rear Facing	40620	2593.0	22.53	23.20	0.56	0.67	Figure 74
10mm	Rear Facing	40185	2549.5	22.53	23.20	0.53	0.63	Figure 75
10mm	Rear Facing	41055	2636.5	22.53	23.20	0.52	0.65	Figure 76
10mm	Left Edge	39750	2506.00	22.53	23.20	*	*	Figure 77
10mm	Right Edge	39750	2506.00	22.53	23.20	0.06	0.07	Figure 78
10mm	Bottom Edge	39750	2506.00	22.53	23.20	0.60	0.70	Figure 79
10mm	Bottom Edge	41490	2680.0	22.40	23.20	0.51	0.61	Figure 80
10mm	Bottom Edge	40620	2593.0	22.45	23.20	0.58	0.69	Figure 81
10mm	Bottom Edge	40185	2549.5	22.48	23.20	0.61	0.72	Figure 82
10mm	Bottom Edge	41055	2636.5	22.22	23.20	0.55	0.69	Figure 83

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

KDB 941225 D05 - Largest channel bandwidth standalone SAR test requirements – 4.2.2. The requirements to test other resource block allocations and higher order modulations were not met.
*No Measured SAR

KDB 941225 D05v02r03 – Testing was performed as per the April 2013 TCB workshop slides. The TDD configuration was tested with the highest duty factor using UL-DL configuration 0 with special subframe configuration 6. KDB 941225 LTE test procedures were applied.

PCS 1900MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	661	1880.00	29.64	30.50	0.34	0.41	Figure 84
Left 15°	661	1880.00	29.64	30.50	0.14	0.17	Figure 85
Right Cheek	661	1880.00	29.64	30.50	0.58	0.71	Figure 86
Right 15°	661	1880.00	29.64	30.50	0.24	0.29	Figure 87
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

PCS 1900MHz GPRS Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	661	1880.00	28.02	28.30	0.37	0.39	Figure 88
Left 15°	661	1880.00	28.02	28.30	0.18	0.19	Figure 89
Right Cheek	661	1880.00	28.02	28.30	0.66	0.71	Figure 90
Right 15°	661	1880.00	28.02	28.30	0.25	0.27	Figure 91
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz The time slot configuration with the highest source-based time-averaged maximum output power was used for testing, this was 2x time slots.							

PCS 1900MHz GPRS Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	661	1880.00	28.02	28.30	0.54	0.58	Figure 92
10mm	Rear Facing	661	1880.00	28.02	28.30	0.48	0.51	Figure 93
10mm	Left Edge	661	1880.00	28.02	28.30	0.48	0.51	Figure 94
10mm	Bottom Edge	661	1880.00	28.02	28.30	0.14	0.15	Figure 95

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

The time slot configuration with the highest source-based time-averaged maximum output power was used for testing, this was 2x time slots.

WLAN 2437MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11b, 1 Mbps, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	6	2437.00	11.10	12.80	0.01	0.02	Figure 96
Left 15°	6	2437.00	11.10	12.80	0.01	0.01	Figure 97
Right Cheek	6	2437.00	11.10	12.80	0.07	0.10	Figure 98
Right 15°	6	2437.00	11.10	12.80	0.04	0.06	Figure 99

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Product Service

WLAN 2437MHz Antenna 0 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11b, 1 Mbps, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	6	2437.00	11.10	12.80	0.02	0.02	Figure 100
10mm	Rear Facing	6	2437.00	11.10	12.80	0.20	0.30	Figure 101
10mm	Right Edge	6	2437.00	11.10	12.80	0.11	0.16	Figure 102
10mm	Top Edge	6	2437.00	11.10	12.80	0.01	0.01	Figure 103
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 2437MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11b, 1 Mbps, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	6	2437.00	12.78	14.00	0.07	0.09	Figure 104
Left 15°	6	2437.00	12.78	14.00	0.03	0.04	Figure 105
Right Cheek	6	2437.00	12.78	14.00	0.04	0.05	Figure 106
Right 15°	6	2437.00	12.78	14.00	0.02	0.02	Figure 107
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

Product Service

WLAN 2437 Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11b, 1 Mbps, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	6	2437.00	12.78	14.00	0.02	0.03	Figure 108
10mm	Rear Facing	6	2437.00	12.78	14.00	0.12	0.16	Figure 109
10mm	Left Edge	6	2437.00	12.78	14.00	0.07	0.09	Figure 110
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 2437MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11n, MCS0, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	6	2437.00	8.64	9.20	0.01	0.01	Figure 111
Left 15°	6	2437.00	8.64	9.20	0.00	0.00	Figure 112
Right Cheek	6	2437.00	8.64	9.20	0.03	0.04	Figure 113
Right 15°	6	2437.00	8.64	9.20	0.02	0.02	Figure 114
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

Product Service

WLAN 2437MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11n MCS0, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	6	2437.00	8.64	9.20	0.01	0.01	Figure 115
10mm	Rear Facing	6	2437.00	8.64	9.20	0.09	0.10	Figure 116
10mm	Right Edge	6	2437.00	8.64	9.20	0.05	0.05	Figure 117
10mm	Top Edge	6	2437.00	8.64	9.20	0.01	0.01	Figure 118
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 2437MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11n MCS0, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	6	2437.00	10.20	11.00	0.03	0.03	Figure 119
Left 15°	6	2437.00	10.20	11.00	0.01	0.01	Figure 120
Right Cheek	6	2437.00	10.20	11.00	0.02	0.02	Figure 121
Right 15°	6	2437.00	10.20	11.00	0.01	0.01	Figure 122
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 2437MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS.

802.11n MCS0, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	6	2437.00	10.20	11.00	0.01	0.01	Figure 123
10mm	Rear Facing	6	2437.00	10.20	11.00	0.05	0.06	Figure 124
10mm	Left Edge	6	2437.00	10.20	11.00	0.03	0.03	Figure 125
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5180MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	36	5180.00	10.23	12.00	0.00	0.00	Figure 126
Left 15°	36	5180.00	10.23	12.00	0.02	0.03	Figure 127
Right Cheek	36	5180.00	10.23	12.00	0.04	0.07	Figure 128
Right 15°	36	5180.00	10.23	12.00	0.03	0.05	Figure 129
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

Product Service

WLAN 5180MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	36	5180.00	10.23	12.00	0.02	0.03	Figure 130
10mm	Rear Facing	36	5180.00	10.23	12.00	0.19	0.28	Figure 131
10mm	Right Edge	36	5180.00	10.23	12.00	0.06	0.09	Figure 132
10mm	Top Edge	36	5180.00	10.23	12.00	0.03	0.04	Figure 133
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5180MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	36	5180.00	9.85	11.50	0.04	0.06	Figure 134
Left 15°	36	5180.00	9.85	11.50	0.01	0.01	Figure 135
Right Cheek	36	5180.00	9.85	11.50	0.02	0.03	Figure 136
Right 15°	36	5180.00	9.85	11.50	0.01	0.01	Figure 137
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 5180MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	36	5180.00	9.85	11.50	0.00	0.01	Figure 138
10mm	Rear Facing	36	5180.00	9.85	11.50	0.04	0.05	Figure 139
10mm	Left Edge	36	5180.00	9.85	11.50	0.01	0.01	Figure 140
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5280MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	56	5280.00	10.42	12.00	0.01	0.01	Figure 141
Left 15°	56	5280.00	10.42	12.00	0.02	0.03	Figure 142
Right Cheek	56	5280.00	10.42	12.00	0.03	0.07	Figure 143
Right 15°	56	5280.00	10.42	12.00	0.04	0.06	Figure 144
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

Product Service

WLAN 5280MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	56	5280.00	10.42	12.00	0.01	0.00	Figure 145
10mm	Rear Facing	56	5280.00	10.42	12.00	0.16	0.23	Figure 146
10mm	Right Edge	56	5280.00	10.42	12.00	0.05	0.08	Figure 147
10mm	Top Edge	56	5280.00	10.42	12.00	0.01	0.02	Figure 148

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

WLAN 5280MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	56	5280.00	9.76	11.50	0.02	0.03	Figure 149
Left 15°	56	5280.00	9.76	11.50	0.02	0.02	Figure 150
Right Cheek	56	5280.00	9.76	11.50	0.00	0.00	Figure 151
Right 15°	56	5280.00	9.76	11.50	*	*	Figure 152

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

*No Measured SAR

Product Service

WLAN 5280MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	56	5280.00	9.76	11.50	*	*	Figure 153
10mm	Rear Facing	56	5280.00	9.76	11.50	0.04	0.06	Figure 154
10mm	Left Edge	56	5280.00	9.76	11.50	0.01	0.01	Figure 155
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR								

WLAN 5600MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	120	5600.00	10.51	12.00	0.03	0.04	Figure 156
Left 15°	120	5600.00	10.51	12.00	0.06	0.08	Figure 157
Right Cheek	120	5600.00	10.51	12.00	0.05	0.07	Figure 158
Right 15°	120	5600.00	10.51	12.00	0.04	0.06	Figure 159
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 5600MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	120	5600.00	10.51	12.00	0.03	0.04	Figure 160
10mm	Rear Facing	120	5600.00	10.51	12.00	0.11	0.16	Figure 161
10mm	Right Edge	120	5600.00	10.51	12.00	0.06	0.09	Figure 162
10mm	Top Edge	120	5600.00	10.51	12.00	0.02	0.03	Figure 163
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5600MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	120	5600.00	9.79	11.50	0.01	0.01	Figure 164
Left 15°	120	5600.00	9.79	11.50	0.01	0.01	Figure 165
Right Cheek	120	5600.00	9.79	11.50	*	*	Figure 166
Right 15°	120	5600.00	9.79	11.50	*	*	Figure 167
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz *No Measured SAR							

Product Service

WLAN 5600MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11a 9Mbps, Bandwidth 20MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	120	5600.00	9.79	11.50	*	*	Figure 168
10mm	Rear Facing	120	5600.00	9.79	11.50	0.07	0.11	Figure 169
10mm	Left Edge	120	5600.00	9.79	11.50	0.02	0.02	Figure 170
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR								

WLAN 5190MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	38	5190.00	9.16	10.00	0.04	0.04	Figure 171
Left 15°	38	5190.00	9.16	10.00	0.02	0.02	Figure 172
Right Cheek	38	5190.00	9.16	10.00	0.04	0.05	Figure 173
Right 15°	38	5190.00	9.16	10.00	0.04	0.05	Figure 174
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

Product Service

WLAN 5190MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	38	5190.00	9.16	10.00	0.00	0.00	Figure 175
10mm	Rear Facing	38	5190.00	9.16	10.00	0.15	0.18	Figure 176
10mm	Right Edge	38	5190.00	9.16	10.00	0.05	0.06	Figure 177
10mm	Top Edge	38	5190.00	9.16	10.00	0.01	0.02	Figure 178
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5190MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	38	5190.00	8.99	9.50	0.04	0.04	Figure 179
Left 15°	38	5190.00	8.99	9.50	0.01	0.01	Figure 180
Right Cheek	38	5190.00	8.99	9.50	0.02	0.02	Figure 181
Right 15°	38	5190.00	8.99	9.50	0.01	0.01	Figure 182
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 5190MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	38	5190.00	8.99	9.50	0.00	0.00	Figure 183
10mm	Rear Facing	38	5190.00	8.99	9.50	0.03	0.04	Figure 184
10mm	Left Edge	38	5190.00	8.99	9.50	0.01	0.01	Figure 185
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5270MHz Head Antenna 0 Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	54	5270.00	9.21	10.00	0.02	0.02	Figure 186
Left 15°	54	5270.00	9.21	10.00	0.02	0.03	Figure 187
Right Cheek	54	5270.00	9.21	10.00	0.05	0.06	Figure 188
Right 15°	54	5270.00	9.21	10.00	0.04	0.05	Figure 189
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 5270MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	54	5270.00	9.21	10.00	0.01	0.01	Figure 190
10mm	Rear Facing	54	5270.00	9.21	10.00	0.13	0.15	Figure 191
10mm	Right Edge	54	5270.00	9.21	10.00	0.05	0.05	Figure 192
10mm	Top Edge	54	5270.00	9.21	10.00	0.04	0.05	Figure 193
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5270MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	54	5270.00	8.80	9.50	0.02	0.02	Figure 194
Left 15°	54	5270.00	8.80	9.50	0.01	0.01	Figure 195
Right Cheek	54	5270.00	8.80	9.50	0.01	0.01	Figure 196
Right 15°	54	5270.00	8.80	9.50	*	*	Figure 197
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz *No Measured SAR							

WLAN 5270MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	54	5270.00	8.80	9.50	0.00	0.00	Figure 198
10mm	Rear Facing	54	5270.00	8.80	9.50	0.03	0.04	Figure 199
10mm	Left Edge	54	5270.00	8.80	9.50	0.00	0.00	Figure 200
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5590MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	118	5590.00	9.43	10.00	0.02	0.02	Figure 201
Left 15°	118	5590.00	9.43	10.00	0.03	0.04	Figure 202
Right Cheek	118	5590.00	9.43	10.00	0.05	0.06	Figure 203
Right 15°	118	5590.00	9.43	10.00	0.05	0.05	Figure 204
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz							

WLAN 5590MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	118	5590.00	9.43	10.00	0.03	0.03	Figure 205
10mm	Rear Facing	118	5590.00	9.43	10.00	0.10	0.12	Figure 206
10mm	Right Edge	118	5590.00	9.43	10.00	0.05	0.05	Figure 207
10mm	Top Edge	118	5590.00	9.43	10.00	0.02	0.02	Figure 208
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06								

WLAN 5590MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Left Cheek	118	5590.00	8.87	9.50	*	*	Figure 209
Left 15°	118	5590.00	8.87	9.50	*	*	Figure 210
Right Cheek	118	5590.00	8.87	9.50	0.01	0.01	Figure 211
Right 15°	118	5590.00	8.87	9.50	*	*	Figure 212
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz *No Measured SAR							

WLAN 5590MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11n MCS0, Bandwidth 40MHz, Antenna 1.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Front Facing	118	5590.00	8.87	9.50	*	*	Figure 213
10mm	Rear Facing	118	5590.00	8.87	9.50	0.02	0.03	Figure 214
10mm	Left Edge	118	5590.00	8.87	9.50	0.01	0.01	Figure 215

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

*No Measured SAR

WLAN 5000MHz Head Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11ac MCS0, Bandwidth 20MHz, Antenna 0.

Test Position	Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Right Cheek	36	5180.0	8.81	10.00	0.03	0.04	Figure 216
Right Cheek	56	5280.0	9.10	10.00	0.04	0.05	Figure 217
Left 15°	120	5600.0	8.91	10.00	0.03	0.04	Figure 218

Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g)

KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is:

≤ 0.8W/kg when the transmission band is ≤ 100MHz
≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz
≤ 0.4W/kg when the transmission band is ≥ 200MHz

Testing carried out in 802.11ac in worse case positions from 802.11a

Product Service

WLAN 5000MHz Body & Hotspot Configuration Specific Absorption Rate (Maximum SAR) 1g Results for the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. (NUA)

802.11ac MCS0, Bandwidth 20MHz, Antenna 0.

Position		Channel Number	Frequency (MHz)	Measured Conducted Power (dBm)	Tune Up limit (dBm)	Measured 1g SAR (W/kg)	Scaled 1g SAR (W/kg)	Area scan (Figure number)
Spacing	Position							
10mm	Rear Facing	36	5180.0	8.81	10.00	0.13	0.16	Figure 219
10mm	Rear Facing	56	5280.0	9.10	10.00	0.11	0.13	Figure 220
10mm	Rear Facing	120	5600.0	8.91	10.00	0.08	0.11	Figure 221
Limit for General Population (Uncontrolled Exposure) 1.6 W/kg (1g) KDB 447498 D01 - Testing of other required channels within the operation mode of a frequency band is not required when the reported 1g SAR for mid-band or highest output power channel is: ≤ 0.8W/kg when the transmission band is ≤ 100MHz ≤ 0.6W/kg when the transmission band is between 100MHz and 200MHz ≤ 0.4W/kg when the transmission band is ≥ 200MHz Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 Testing carried out in 802.11ac in worse case positions from 802.11a								

1.3.3 Simultaneous Transmission

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.02	0.73
Left 15°	0.43	0.01	0.44
Right Cheek	0.76	0.10	0.86
Right 15°	0.50	0.06	0.56
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.02	0.78
Rear Facing	0.78	0.30	**1.08**
Left Edge	0.57	N/A	0.57
Right Edge	0.64	0.16	0.80
Top Edge	N/A	0.01	0.01
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.09	0.80
Left 15°	0.43	0.04	0.47
Right Cheek	0.76	0.05	0.81
Right 15°	0.50	0.02	0.52
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.03	0.79
Rear Facing	0.78	0.16	0.94
Left Edge	0.57	0.09	0.66
Right Edge	0.64	N/A	0.64
Top Edge	N/A	N/A	N/A
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.01	0.03	0.75
Left 15°	0.43	0.00	0.01	0.44
Right Cheek	0.76	0.04	0.02	0.82
Right 15°	0.50	0.02	0.01	0.53
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.01	0.01	0.78
Rear Facing	0.78	0.10	0.06	0.94
Left Edge	0.57	N/A	0.03	0.60
Right Edge	0.64	0.05	N/A	0.69
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.17	N/A	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.00	0.71
Left 15°	0.43	0.03	0.46
Right Cheek	0.76	0.07	0.83
Right 15°	0.50	0.05	0.55
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.03	0.79
Rear Facing	0.78	0.28	1.06
Left Edge	0.57	N/A	0.57
Right Edge	0.64	0.09	0.73
Top Edge	N/A	0.04	0.04
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.06	0.77
Left 15°	0.43	0.01	0.44
Right Cheek	0.76	0.03	0.79
Right 15°	0.50	0.01	0.51
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.01	0.77
Rear Facing	0.78	0.05	0.83
Left Edge	0.57	0.01	0.58
Right Edge	0.64	N/A	0.64
Top Edge	N/A	N/A	N/A
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.01	0.72
Left 15°	0.43	0.03	0.46
Right Cheek	0.76	0.07	0.83
Right 15°	0.50	0.06	0.56
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.00	0.76
Rear Facing	0.78	0.23	1.01
Left Edge	0.57	N/A	0.57
Right Edge	0.64	0.08	0.72
Top Edge	N/A	0.02	0.02
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.03	0.74
Left 15°	0.43	0.02	0.45
Right Cheek	0.76	0.00	0.76
Right 15°	0.50	*	0.50
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	*	0.76
Rear Facing	0.78	0.06	0.84
Left Edge	0.57	0.01	0.58
Right Edge	0.64	N/A	0.64
Top Edge	N/A	N/A	0.00
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.04	0.75
Left 15°	0.43	0.08	0.51
Right Cheek	0.76	0.07	0.83
Right 15°	0.50	0.06	0.56
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.04	0.80
Rear Facing	0.78	0.16	0.94
Left Edge	0.57	N/A	0.57
Right Edge	0.64	0.09	0.73
Top Edge	N/A	0.03	0.03
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.01	0.72
Left 15°	0.43	0.01	0.44
Right Cheek	0.76	*	0.76
Right 15°	0.50	*	0.50
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	*	0.76
Rear Facing	0.78	0.11	0.89
Left Edge	0.57	0.02	0.59
Right Edge	0.64	N/A	0.64
Top Edge	N/A	N/A	0.00
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.04	0.04	0.79
Left 15°	0.43	0.02	0.01	0.46
Right Cheek	0.76	0.05	0.02	0.83
Right 15°	0.50	0.05	0.01	0.56
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.00	0.00	0.76
Rear Facing	0.78	0.18	0.04	1.00
Left Edge	0.57	N/A	0.01	0.58
Right Edge	0.64	0.06	N/A	0.70
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.17	N/A	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.02	0.02	0.75
Left 15°	0.43	0.03	0.01	0.47
Right Cheek	0.76	0.06	0.01	0.83
Right 15°	0.50	0.05	*	0.55
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.01	0.0	0.77
Rear Facing	0.78	0.15	0.04	0.97
Left Edge	0.57	N/A	N/A	0.57
Right Edge	0.64	0.05	0.00	0.69
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.17	N/A	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.71	0.02	*	0.73
Left 15°	0.43	0.04	*	0.47
Right Cheek	0.76	0.06	0.01	0.83
Right 15°	0.50	0.05	*	0.55
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 251 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.03	*	0.79
Rear Facing	0.78	0.12	0.02	0.92
Left Edge	0.57	N/A	0.01	0.58
Right Edge	0.64	0.05	N/A	0.69
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.17	N/A	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.02	0.54
Left 15°	0.37	0.01	0.37
Right Cheek	0.52	0.10	0.52
Right 15°	0.37	0.06	0.37
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.02	0.59
Rear Facing	0.55	0.30	0.85
Left Edge	0.41	N/A	0.41
Right Edge	0.47	0.16	0.63
Top Edge	N/A	0.01	0.01
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.09	0.63
Left 15°	0.37	0.04	0.41
Right Cheek	0.52	0.05	0.57
Right 15°	0.37	0.02	0.39
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.03	0.60
Rear Facing	0.55	0.16	0.71
Left Edge	0.41	0.09	0.50
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Product Service

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.01	0.03	0.58
Left 15°	0.37	0.00	0.01	0.38
Right Cheek	0.52	0.04	0.02	0.58
Right 15°	0.37	0.02	0.01	0.40
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.01	0.01	0.59
Rear Facing	0.55	0.10	0.06	0.71
Left Edge	0.41	N/A	0.03	0.44
Right Edge	0.47	0.05	N/A	0.52
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.00	0.54
Left 15°	0.37	0.03	0.4
Right Cheek	0.52	0.07	0.59
Right 15°	0.37	0.05	0.42
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.03	0.6
Rear Facing	0.55	0.28	0.83
Left Edge	0.41	N/A	0.41
Right Edge	0.47	0.09	0.56
Top Edge	N/A	0.04	0.04
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.06	0.60
Left 15°	0.37	0.01	0.38
Right Cheek	0.52	0.03	0.55
Right 15°	0.37	0.01	0.38
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.01	0.58
Rear Facing	0.55	0.05	0.60
Left Edge	0.41	0.01	0.42
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.01	0.55
Left 15°	0.37	0.03	0.40
Right Cheek	0.52	0.07	0.59
Right 15°	0.37	0.06	0.43
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.00	0.57
Rear Facing	0.55	0.23	0.78
Left Edge	0.41	N/A	0.41
Right Edge	0.47	0.08	0.55
Top Edge	N/A	0.02	0.02
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.03	0.57
Left 15°	0.37	0.02	0.39
Right Cheek	0.52	0.00	0.52
Right 15°	0.37	*	0.37
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	*	0.57
Rear Facing	0.55	0.06	0.61
Left Edge	0.41	0.01	0.42
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.04	0.58
Left 15°	0.37	0.08	0.45
Right Cheek	0.52	0.07	0.59
Right 15°	0.37	0.06	0.43
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.04	0.61
Rear Facing	0.55	0.16	0.71
Left Edge	0.41	N/A	0.41
Right Edge	0.47	0.09	0.56
Top Edge	N/A	0.03	0.03
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.01	0.55
Left 15°	0.37	0.01	0.38
Right Cheek	0.52	*	0.52
Right 15°	0.37	*	0.37
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	*	0.57
Rear Facing	0.55	0.11	0.66
Left Edge	0.41	0.02	0.43
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.04	0.04	0.62
Left 15°	0.37	0.02	0.01	0.40
Right Cheek	0.52	0.05	0.02	0.59
Right 15°	0.37	0.05	0.01	0.43
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.00	0.00	0.57
Rear Facing	0.55	0.18	0.04	0.77
Left Edge	0.41	N/A	0.01	0.42
Right Edge	0.47	0.06	N/A	0.53
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.02	0.02	0.58
Left 15°	0.37	0.03	0.01	0.41
Right Cheek	0.52	0.06	0.01	0.59
Right 15°	0.37	0.05	*	0.42
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.01	0.00	0.58
Rear Facing	0.55	0.15	0.04	0.74
Left Edge	0.41	N/A	N/A	0.41
Right Edge	0.47	0.05	0.00	0.52
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.54	0.02	*	0.56
Left 15°	0.37	0.04	*	0.41
Right Cheek	0.52	0.06	0.01	0.59
Right 15°	0.37	0.05	*	0.42
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.03	*	0.60
Rear Facing	0.55	0.12	0.02	0.69
Left Edge	0.41	N/A	0.01	0.42
Right Edge	0.47	0.05	N/A	0.52
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/k

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.02	0.46
Rear Facing	0.52	0.30	0.82
Left Edge	0.29	N/A	0.29
Right Edge	0.26	0.16	0.42
Top Edge	N/A	0.01	0.01
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.03	0.47
Rear Facing	0.52	0.16	0.68
Left Edge	0.29	0.09	0.38
Right Edge	0.26	N/A	0.26
Top Edge	N/A	N/A	N/A
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

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Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.01	0.01	0.46
Rear Facing	0.52	0.10	0.06	0.68
Left Edge	0.29	N/A	0.03	0.32
Right Edge	0.26	0.05	N/A	0.31
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.07	N/A	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.03	0.47
Rear Facing	0.52	0.28	0.80
Left Edge	0.29	N/A	0.29
Right Edge	0.26	0.09	0.35
Top Edge	N/A	0.04	0.04
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.01	0.45
Rear Facing	0.52	0.05	0.57
Left Edge	0.29	0.01	0.30
Right Edge	0.26	N/A	0.26
Top Edge	N/A	N/A	N/A
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.00	0.44
Rear Facing	0.52	0.23	0.75
Left Edge	0.29	N/A	0.29
Right Edge	0.26	0.08	0.34
Top Edge	N/A	0.02	0.02
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	*	0.44
Rear Facing	0.52	0.06	0.58
Left Edge	0.29	0.01	0.30
Right Edge	0.26	N/A	0.26
Top Edge	N/A	N/A	N/A
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.04	0.48
Rear Facing	0.52	0.16	0.68
Left Edge	0.29	N/A	0.29
Right Edge	0.26	0.09	0.35
Top Edge	N/A	0.03	0.03
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	*	0.44
Rear Facing	0.52	0.11	0.63
Left Edge	0.29	0.02	0.31
Right Edge	0.26	N/A	0.26
Top Edge	N/A	N/A	N/A
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.00	0.00	0.44
Rear Facing	0.52	0.18	0.04	0.74
Left Edge	0.29	N/A	0.01	0.30
Right Edge	0.26	0.06	N/A	0.32
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.07	N/A	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg

Product Service

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.01	0.00	0.45
Rear Facing	0.52	0.15	0.04	0.71
Left Edge	N/A	N/A	N/A	0.29
Right Edge	0.26	0.05	0.00	0.31
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.07	N/A	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.03	*	0.47
Rear Facing	0.52	0.12	0.02	0.66
Left Edge	0.29	N/A	0.01	0.30
Right Edge	0.26	0.05	N/A	0.31
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.07	N/A	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.02	0.54
Rear Facing	0.53	0.30	0.83
Left Edge	0.33	N/A	0.33
Right Edge	0.47	0.16	0.63
Top Edge	N/A	0.01	0.01
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.03	0.55
Rear Facing	0.53	0.16	0.69
Left Edge	0.33	0.09	0.42
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

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Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.01	0.01	0.54
Rear Facing	0.53	0.10	0.06	0.69
Left Edge	0.33	N/A	0.03	0.36
Right Edge	0.47	0.05	N/A	0.52
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.03	0.55
Rear Facing	0.53	0.28	0.81
Left Edge	0.33	N/A	0.33
Right Edge	0.47	0.09	0.56
Top Edge	N/A	0.04	0.04
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.01	0.53
Rear Facing	0.53	0.05	0.58
Left Edge	0.33	0.01	0.34
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.00	0.52
Rear Facing	0.53	0.23	0.76
Left Edge	0.33	N/A	0.33
Right Edge	0.47	0.08	0.55
Top Edge	N/A	0.02	0.02
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	*	0.52
Rear Facing	0.53	0.06	0.59
Left Edge	0.33	0.01	0.34
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values))	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.04	0.56
Rear Facing	0.53	0.16	0.69
Left Edge	0.33	N/A	0.33
Right Edge	0.47	0.09	0.56
Top Edge	N/A	0.03	0.03
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	*	0.52
Rear Facing	0.53	0.11	0.64
Left Edge	0.33	0.02	0.35
Right Edge	0.47	N/A	0.47
Top Edge	N/A	N/A	N/A
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.00	0.00	0.52
Rear Facing	0.53	0.18	0.04	0.75
Left Edge	0.33	N/A	0.01	0.34
Right Edge	0.47	0.06	N/A	0.53
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg

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Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.01	0.00	0.53
Rear Facing	0.53	0.15	0.04	0.72
Left Edge	0.33	N/A	N/A	0.33
Right Edge	0.47	0.05	0.00	0.52
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.03	*	0.55
Rear Facing	0.53	0.12	0.02	0.67
Left Edge	0.33	N/A	0.01	0.34
Right Edge	0.47	0.05	N/A	0.52
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.11	N/A	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.02	0.45
Rear Facing	0.42	0.30	0.72
Left Edge	0.26	N/A	0.26
Right Edge	0.33	0.16	0.49
Top Edge	N/A	0.01	0.01
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.03	0.46
Rear Facing	0.42	0.16	0.58
Left Edge	0.26	0.09	0.35
Right Edge	0.33	N/A	0.33
Top Edge	N/A	N/A	N/A
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.01	0.01	0.45
Rear Facing	0.42	0.10	0.06	0.58
Left Edge	0.26	N/A	0.03	0.29
Right Edge	0.33	0.05	N/A	0.38
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.09	N/A	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.03	0.46
Rear Facing	0.42	0.28	0.70
Left Edge	0.26	N/A	0.26
Right Edge	0.33	0.09	0.42
Top Edge	N/A	0.04	0.04
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.01	0.44
Rear Facing	0.42	0.05	0.47
Left Edge	0.26	0.01	0.27
Right Edge	0.33	N/A	0.33
Top Edge	N/A	N/A	N/A
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.00	0.43
Rear Facing	0.42	0.23	0.65
Left Edge	0.26	N/A	0.26
Right Edge	0.33	0.08	0.41
Top Edge	N/A	0.02	0.02
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	*	0.43
Rear Facing	0.42	0.06	0.48
Left Edge	0.26	0.01	0.27
Right Edge	0.33	N/A	0.33
Top Edge	N/A	N/A	N/A
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.04	0.47
Rear Facing	0.42	0.16	0.58
Left Edge	0.26	N/A	0.26
Right Edge	0.33	0.09	0.42
Top Edge	N/A	0.03	0.03
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	*	0.43
Rear Facing	0.42	0.11	0.53
Left Edge	0.26	0.02	0.28
Right Edge	0.33	N/A	0.33
Top Edge	N/A	N/A	N/A
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.00	0.00	0.43
Rear Facing	0.42	0.18	0.04	0.64
Left Edge	0.26	N/A	0.01	0.27
Right Edge	0.33	0.06	N/A	0.39
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.09	N/A	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

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Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values))	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.01	0.00	0.44
Rear Facing	0.42	0.15	0.04	0.61
Left Edge	0.26	N/A	N/A	0.26
Right Edge	0.33	0.05	0.00	0.38
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.09	N/A	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.03	*	0.46
Rear Facing	0.42	0.12	0.02	0.56
Left Edge	0.26	N/A	0.01	0.27
Right Edge	0.33	0.05	N/A	0.38
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.09	N/A	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.02	0.37
Rear Facing	0.71	0.30	1.01
Left Edge	*	N/A	0.00
Right Edge	0.07	0.16	0.23
Top Edge	N/A	0.01	0.01
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.30	0.99
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.30	0.89
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.30	1.0
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.30	1.01
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.03	0.38
Rear Facing	0.71	0.16	0.87
Left Edge	*	0.09	0.09
Right Edge	0.07	N/A	0.07
Top Edge	N/A	N/A	N/A
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.16	0.85
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.16	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.16	0.86
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.16	0.87
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.01	0.01	0.37
Rear Facing	0.71	0.10	0.06	0.87
Left Edge	*	N/A	0.03	0.03
Right Edge	0.07	0.05	N/A	0.12
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.76	N/A	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.10	0.06	0.85
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.10	0.06	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.10	0.06	0.86
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.10	0.06	0.87
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.03	0.38
Rear Facing	0.71	0.28	0.99
Left Edge	*	N/A	0.00
Right Edge	0.07	0.09	0.16
Top Edge	N/A	0.04	0.04
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.28	0.97
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.28	0.87
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.28	0.98
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.28	0.99
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.01	0.36
Rear Facing	0.71	0.05	0.76
Left Edge	*	0.01	0.01
Right Edge	0.07	N/A	0.07
Top Edge	N/A	N/A	N/A
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.05	0.74
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.05	0.64
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.05	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.05	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.00	0.35
Rear Facing	0.71	0.23	0.94
Left Edge	*	N/A	0.00
Right Edge	0.07	0.08	0.15
Top Edge	N/A	0.02	0.02
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.23	0.92
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.23	0.82
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.23	0.93
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.23	0.94
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	*	0.35
Rear Facing	0.71	0.06	0.77
Left Edge	*	0.01	0.01
Right Edge	0.07	N/A	0.07
Top Edge	N/A	N/A	N/A
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.06	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.06	0.65
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.06	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.06	0.77
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.04	0.39
Rear Facing	0.71	0.16	0.87
Left Edge	*	N/A	0.00
Right Edge	0.07	0.09	0.16
Top Edge	N/A	0.03	0.03
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.16	0.85
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.59	0.16	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.70	0.16	0.86
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.16	0.87
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	*	0.35
Rear Facing	0.71	0.11	0.82
Left Edge	*	0.02	0.02
Right Edge	0.07	N/A	0.07
Top Edge	N/A	N/A	N/A
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.11	0.80
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.11	0.70
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.11	0.81
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.11	0.82
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.00	0.00	0.35
Rear Facing	0.71	0.18	0.04	0.93
Left Edge	*	N/A	0.01	0.01
Right Edge	0.07	0.06	N/A	0.13
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.76	N/A	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41492 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41492 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.18	0.04	0.91
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.18	0.04	0.81
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.18	0.04	0.92
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.18	0.04	0.93
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.01	0.00	0.36
Rear Facing	0.71	0.15	0.04	0.90
Left Edge	*	N/A	N/A	0.00
Right Edge	0.07	0.05	0.00	0.12
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.76	N/A	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.15	0.04	0.88
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.15	0.04	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.15	0.04	0.89
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.15	0.04	0.90
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.03	*	0.38
Rear Facing	0.71	0.12	0.02	0.85
Left Edge	*	N/A	0.01	0.01
Right Edge	0.07	0.05	N/A	0.12
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.76	N/A	N/A	0.76

Simultaneous Transmission KDB 447498 D01

Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation

*No Measured SAR

For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	N/A	0.78

Simultaneous Transmission KDB 447498 D01

Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation

*No Measured SAR

For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73

Simultaneous Transmission KDB 447498 D01

Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06

The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation

*No Measured SAR

For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.12	0.02	0.83
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.59	0.12	0.02	0.73
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.70	0.12	0.02	0.84
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.71	0.12	0.02	0.85
Simultaneous Transmission KDB 447498 D01 Testing The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.02	0.41
Left 15°	0.19	0.01	0.20
Right Cheek	0.71	0.10	0.81
Right 15°	0.27	0.06	0.33
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.02	0.60
Rear Facing	0.51	0.30	0.81
Left Edge	0.51	N/A	0.51
Right Edge	N/A	0.16	0.16
Top Edge	N/A	0.01	0.01
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.09	0.48
Left 15°	0.19	0.04	0.23
Right Cheek	0.71	0.05	0.76
Right 15°	0.27	0.02	0.29
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.03	0.61
Rear Facing	0.51	0.16	0.67
Left Edge	0.51	0.09	0.60
Right Edge	N/A	N/A	N/A
Top Edge	N/A	N/A	N/A
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.01	0.03	0.43
Left 15°	0.19	0.00	0.01	0.20
Right Cheek	0.71	0.04	0.02	0.77
Right 15°	0.27	0.02	0.01	0.30
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 0 (Scaled SAR values)	WLAN 2.4GHz 1g SAR (W/kg) CH 6, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.01	0.01	0.60
Rear Facing	0.51	0.10	0.06	0.67
Left Edge	0.51	N/A	0.03	0.54
Right Edge	N/A	0.05	N/A	0.05
Top Edge	N/A	0.01	N/A	0.01
Bottom Edge	0.15	N/A	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.00	0.39
Left 15°	0.19	0.03	0.22
Right Cheek	0.71	0.07	0.78
Right 15°	0.27	0.05	0.32
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.03	0.61
Rear Facing	0.51	0.28	0.79
Left Edge	0.51	N/A	0.51
Right Edge	N/A	0.09	0.09
Top Edge	N/A	0.04	0.04
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.06	0.45
Left 15°	0.19	0.01	0.20
Right Cheek	0.71	0.03	0.74
Right 15°	0.27	0.01	0.28
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH36, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.01	0.59
Rear Facing	0.51	0.05	0.56
Left Edge	0.51	0.01	0.52
Right Edge	N/A	N/A	N/A
Top Edge	N/A	N/A	N/A
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.01	0.40
Left 15°	0.19	0.03	0.22
Right Cheek	0.71	0.07	0.78
Right 15°	0.27	0.06	0.33
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.00	0.58
Rear Facing	0.51	0.23	0.74
Left Edge	0.51	N/A	0.51
Right Edge	N/A	0.08	0.08
Top Edge	N/A	0.02	0.02
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.03	0.42
Left 15°	0.19	0.02	0.21
Right Cheek	0.71	0.00	0.71
Right 15°	0.27	*	0.27
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH56, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	*	0.58
Rear Facing	0.51	0.06	0.57
Left Edge	0.51	0.01	0.52
Right Edge	N/A	N/A	N/A
Top Edge	N/A	N/A	N/A
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.04	0.43
Left 15°	0.19	0.08	0.27
Right Cheek	0.71	0.07	0.78
Right 15°	0.27	0.06	0.33
Simultaneous Transmission KDB 447498 D01			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 0 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.04	0.62
Rear Facing	0.51	0.16	0.67
Left Edge	0.51	N/A	0.51
Right Edge	N/A	0.09	0.09
Top Edge	N/A	0.03	0.03
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.01	0.40
Left 15°	0.19	0.01	0.20
Right Cheek	0.71	*	0.71
Right 15°	0.27	*	0.27
Simultaneous Transmission KDB 447498 D01 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH120, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	*	0.58
Rear Facing	0.51	0.11	0.62
Left Edge	0.51	0.02	0.53
Right Edge	N/A	N/A	N/A
Top Edge	N/A	N/A	N/A
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.04	0.04	0.47
Left 15°	0.19	0.02	0.01	0.22
Right Cheek	0.71	0.05	0.02	0.78
Right 15°	0.27	0.05	0.01	0.33
Simultaneous Transmission KDB 447498 D01 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 38, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.00	0.00	0.58
Rear Facing	0.51	0.18	0.04	0.73
Left Edge	0.51	N/A	0.01	0.52
Right Edge	N/A	0.06	N/A	0.06
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.15	N/A	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.02	0.02	0.43
Left 15°	0.19	0.03	0.01	0.23
Right Cheek	0.71	0.06	0.01	0.78
Right 15°	0.27	0.05	*	0.32
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 54, Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.01	0.00	0.59
Rear Facing	0.51	0.15	0.04	0.70
Left Edge	0.51	N/A	N/A	0.51
Right Edge	N/A	0.05	0.00	0.05
Top Edge	N/A	0.05	N/A	0.05
Bottom Edge	0.15	N/A	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Head	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Left Cheek	0.39	0.02	*	0.41
Left 15°	0.19	0.04	*	0.23
Right Cheek	0.71	0.06	0.01	0.78
Right 15°	0.27	0.05	*	0.32
Simultaneous Transmission KDB 447498 D01 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118, Antenna 0 (Scaled SAR values)	WLAN 5GHz 1g SAR (W/kg) CH 118 Antenna 1 (Scaled SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.03	*	0.61
Rear Facing	0.51	0.12	0.02	0.65
Left Edge	0.51	N/A	0.01	0.52
Right Edge	N/A	0.05	N/A	0.05
Top Edge	N/A	0.02	N/A	0.02
Bottom Edge	0.15	N/A	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 *No Measured SAR For 802.11n the handset supports MIMO, therefore both Antenna 0 and Antenna 1 have been summed				

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 850MHz 1g SAR (W/kg) CH 128 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.76	0.05	0.81
Rear Facing	0.78	0.05	0.83
Left Edge	0.57	N/A	0.57
Right Edge	0.64	0.05	0.69
Top Edge	N/A	0.05	0.05
Bottom Edge	0.17	N/A	0.17
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	WCDMA FDDV 1g SAR (W/kg) CH 4132 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.57	0.05	0.62
Rear Facing	0.55	0.05	0.60
Left Edge	0.41	N/A	0.41
Right Edge	0.47	0.05	0.52
Top Edge	N/A	0.05	0.05
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 17, 1RB 1g SAR (W/kg) CH 23780 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.44	0.05	0.49
Rear Facing	0.52	0.05	0.57
Left Edge	0.29	N/A	0.29
Right Edge	0.26	0.05	0.31
Top Edge	N/A	0.05	0.05
Bottom Edge	0.07	N/A	0.07
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 5, 1RB 1g SAR (W/kg) CH 20525 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.52	0.05	0.57
Rear Facing	0.53	0.05	0.58
Left Edge	0.33	N/A	0.33
Right Edge	0.47	0.05	0.52
Top Edge	N/A	0.05	0.05
Bottom Edge	0.11	N/A	0.11
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 26, 1RB 1g SAR (W/kg) CH 26765 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.43	0.05	0.48
Rear Facing	0.42	0.05	0.47
Left Edge	0.26	N/A	0.26
Right Edge	0.33	0.05	0.38
Top Edge	N/A	0.05	0.05
Bottom Edge	0.09	N/A	0.09
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40620 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.35	0.05	0.40
Rear Facing	0.71	0.05	0.76
Left Edge	*	N/A	0.00
Right Edge	0.07	0.05	0.12
Top Edge	N/A	0.05	0.05
Bottom Edge	0.76	N/A	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.78	N/A	0.78
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.72	N/A	0.72
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Bottom Edge	0.73	N/A	0.73
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41490 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.69	0.05	0.74
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 39750 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.59	0.05	0.64
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 40185 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.70	0.05	0.75
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Position Body	LTE Band 41, 1RB 1g SAR (W/kg) CH 41055 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Rear Facing	0.71	0.05	0.76
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06 The configuration with 1RB yielded the highest SAR when measured and was therefore used in the simultaneous transmission calculation			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Position Body	GPRS 1900MHz 1g SAR (W/kg) CH 661 (Scaled SAR values)	Bluetooth 2.4GHz 1g SAR (W/kg) CH 78 (Estimated SAR values)	∑ 1g SAR (W/kg)
Front Facing	0.58	0.05	0.63
Rear Facing	0.51	0.05	0.56
Left Edge	0.51	N/A	0.51
Right Edge	N/A	0.05	0.05
Top Edge	N/A	0.05	0.05
Bottom Edge	0.15	N/A	0.15
Simultaneous Transmission KDB 447498 D01 Testing was carried out with a 10mm separation distance to meet the requirements of KDB 941225 D06			

Simultaneous SAR measurements were not required as the sum of the 1g SAR measurements did not exceed 1.6 W/kg.

Product Service

1.3.4 Standalone SAR Estimation

When the standalone SAR test exclusion of section 4.3.1 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion. The estimated SAR is only used to determine simultaneous transmission SAR test exclusion; When SAR is estimated, it must be applied to determine the sum of 1-g SAR test exclusion. When SAR to peak location separation ratio test exclusion is applied, the highest reported SAR for simultaneous transmission can be an estimated standalone SAR if the estimated SAR is the highest among the simultaneously transmitting antennas (see KDB 690783).

(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/7.5] W/kg for test separation distances ≤ 50 mm;

where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR

when the minimum test separation distance is <5mm, a distance of 5mm is applied.

Bluetooth Head SAR Estimation

Frequency (MHz)	Maximum Power (mW)	Distance (mm)	Estimated SAR (W/kg)
2480	2.4	5	0.101

Bluetooth Body SAR Estimation

Frequency (MHz)	Maximum Power (mW)	Distance (mm)	Estimated SAR (W/kg)
2480	2.4	10	0.050

Product Service

1.4 PRODUCT INFORMATION

1.4.1 Technical Description

The equipment under test (EUT) was a Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. A full technical description can be found in the manufacturer's documentation.

1.4.2 Test Configuration and Modes of Operation

The testing was performed with an integral battery manufactured by Sharp Corporation.

For head SAR assessment, testing was performed with the device in the declared normal position of operation for GSM 850MHz, PCS 1900MHz, WCDMA FDDV, WLAN 2.4GHz and WLAN 5GHz frequency bands at maximum power. The device was placed against a Specific Anthropomorphic Mannequin (SAM) phantom. The phantom was filled with simulant liquid appropriate to the frequency band. The dielectric properties were measured and found to be in accordance with the requirements for the dielectric properties specified in KDB 865665. Testing was performed at both the left and right ear of the phantom at both handset positions stated in the applied specification.

For body SAR assessment, testing was performed for GSM 850MHz, PCS 1900MHz, WCDMA FDDV, LTE Band 17, LTE Band 5, LTE Band 26, LTE Band 41, WLAN 2.4GHz and WLAN 5GHz frequency bands at maximum power. The device was placed at a distance of 10 mm from the bottom of the flat phantom for all body testing. The Flat Phantom dimensions were 245mm x 195mm x 200mm with a sidewall thickness of 2.00mm. The phantom was filled to a minimum depth of 150mm with the appropriate Body simulant liquid. The dielectric properties were in accordance with the requirements specified in KDB 865665. As the device is capable of hotspot configuration a 10mm separation distance was used to meet the requirements of KDB 941225 D06 Hotspot.

For LTE TDD Band 41 KDB 941225 D05v02r03 – Testing was performed as per the April 2013 TCB workshop slides. The TDD configuration was tested with the highest duty factor using UL-DL configuration 0 with special subframe configuration 6. KDB 941225 LTE test procedures were applied.

Testing was performed in each position at the frequency that gave the highest output power for each band. For all bands all scaled SAR levels were found to be <0.80 W/kg (KDB 447498 D01) therefore no additional testing was required at the relevant frequencies / channels of the bands. WLAN testing was achieved using the devices internal software, customer supplied software and settings supplied by the customer. The worst case data rate for WLAN testing was obtained from data provided by TUV. The worst case was deemed as the data rate which produced the highest level of conducted average power. For 2.4GHz WLAN this was 802.11b 1Mbps and 802.11n MCS0. Then handset operated in MIMO for 802.11n therefore the summing of both antennas can be seen in simultaneous transmission section 1.3.3 of this report.
For 5GHz WLAN this was 802.11a 9Mbps and 802.11n MCS0. Then handset operated in MIMO for 802.11n therefore the summing of both antennas can be seen in simultaneous transmission section 1.3.3 of this report.
For confidence that 802.11ac yielded lower SAR than 802.11a, scans were also carried out for 802.11ac at the worse case configuration and positions that were found for 802.11a.

Included in this report are descriptions of the test method; the equipment used and an analysis of the test uncertainties applicable and diagrams indicating the locations of maximum SAR for each test position along with photographs indicating the positioning of the handset against the body as appropriate.

1.5 FCC POWER MEASUREMENTS

1.5.1 Method

Conducted power measurements were made using a power meter.

1.5.2 Conducted Power Measurements

GSM 850

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)
		Average
GMSK - Voice	824.20	32.27
	836.40	32.05
	848.80	31.86
GMSK - GPRS	824.20	30.10
	836.40	29.80
	848.80	30.02

PCS 1900

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)
		Average
GMSK - Voice	1850.20	28.81
	1880.00	29.64
	1909.80	29.63
GMSK - GPRS	1850.20	27.35
	1880.00	28.02
	1909.80	27.60

Product Service

WCDMA FDD V

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)
		Average
WCDMA - 12.2kbps RMC	826.4	23.61
	835.0	23.56
	846.6	23.35
WCDMA - 12.2kbps AMR with 3.4kbps SRB*	826.4	23.46
	835.0	23.39
	846.6	23.31
WCDMA - HSDPA (Subtest #1)	826.4	22.78
	835.0	22.87
	846.6	22.91
WCDMA - HSDPA (Subtest #2)	826.4	22.81
	835.0	22.90
	846.6	22.92
WCDMA - HSDPA (Subtest #3)	826.4	22.34
	835.0	22.35
	846.6	22.40
WCDMA - HSDPA (Subtest #4)	826.4	22.25
	835.0	22.32
	846.6	22.36
WCDMA - HSUPA (Subtest #1)	826.4	22.80
	835.0	22.84
	846.6	22.95
WCDMA - HSUPA (Subtest #2)	826.4	22.23
	835.0	22.37
	846.6	22.38
WCDMA - 12.2kbps RMC WCDMA - HSUPA (Subtest #3)	826.4	22.76
	835.0	22.87
	846.6	22.89
WCDMA - HSUPA (Subtest #4)	826.4	22.73
	835.0	22.83
	846.6	22.86
WCDMA - HSUPA (Subtest #5)	826.4	22.76
	835.0	22.87
	846.6	22.91
* The measured Conducted power for 12.2kbps AMR is <0.25dB higher than 12.2kbps RMC, therefore, testing was carried out using 12.2kbps RMC.		

WLAN

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)	
		Average Port 0	Average Port 1
802.11(b) - 2.4 GHz – 1Mbps	2412	11.02	12.11
	2437	11.10	12.78
	2462	11.01	12.30
802.11(g) - 2.4 GHz - 6Mbps	2412	6.11	8.18
	2437	7.40	9.33
	2462	5.42	6.64
802.11 (n) - 2.4 GHz – MCS0	2412	6.30	8.52
	2437	8.64	10.12
	2462	6.48	7.61
802.11a 20MHz 9Mbps	5180	10.23	9.85
	5200	10.12	9.76
	5220	9.69	9.33
	5240	10.00	9.51
	5260	10.14	9.66
	5280	10.42	9.76
	5300	10.07	9.49
	5320	10.08	9.41
	5500	10.37	9.59
	5520	10.05	9.15
	5540	9.91	9.27
	5560	9.89	9.32
	5580	10.35	9.65
	5600	10.51	9.79
	5620	10.33	9.76
	5640	10.01	9.39
	5660	9.71	9.26
	5680	9.94	9.47
	5700	10.25	9.59

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)	
		Average Port 0	Average Port 1
802.11n 20MHz MCS0	5180	9.11	8.38
	5200	8.93	8.02
	5220	8.60	7.86
	5240	8.58	8.04
	5260	8.67	8.30
	5280	9.24	8.45
	5300	9.03	8.17
	5320	8.82	7.96
	5500	9.18	8.36
	5520	8.74	8.02
	5540	8.61	7.92
	5560	8.71	7.88
	5580	9.15	8.23
	5600	9.14	8.36
	5620	9.04	8.13
	5640	8.51	8.04
	5660	8.41	7.90
	5680	8.58	8.11
	5700	9.03	8.25
802.11n 40MHz MCS0	5190	9.16	8.99
	5230	8.80	8.69
	5270	9.21	8.80
	5310	9.05	8.71
	5510	9.25	8.77
	5550	8.87	8.48
	5590	9.43	8.87
	5630	9.02	9.22
	5670	9.16	8.99

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)	
		Average Port 0	Average Port 1
802.11ac 20MHz MCS0	5180	8.81	8.40
	5200	8.66	8.02
	5220	8.17	7.86
	5240	8.45	8.05
	5260	8.77	8.25
	5280	9.10	8.41
	5300	8.74	8.15
	5320	8.34	8.16
	5500	8.97	8.32
	5520	8.49	8.02
	5540	8.38	7.88
	5560	8.43	7.93
	5580	8.92	8.25
	5600	8.91	8.34
	5620	8.71	8.06
	5640	8.29	8.03
	5660	8.18	7.90
	5680	8.46	8.06
	5700	8.78	8.23
802.11ac 40MHz MCS0	5190	9.17	8.92
	5230	8.79	8.62
	5270	9.21	8.75
	5310	9.02	8.66
	5510	9.28	8.74
	5550	8.84	8.46
	5590	9.44	8.87
	5630	9.05	8.57
	5670	9.04	8.83
802.11ac 80MHz MCS0	5210	8.49	8.27
	5290	8.78	8.33
	5530	8.51	8.06
	5610	8.80	8.29

Product Service

LTE Band 17

Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	Resource Block Offset	Measured Average Output Power (dBm)		
				Low Test Channel (709.0MHz)	Middle Test Channel (710.0 MHz)	High Test Channel (711.0 MHz)
10	QPSK	1	Low	23.54	23.43	23.56
		1	Mid	23.64	23.63	23.53
		1	High	23.52	23.53	23.45
		25	Low	22.45	22.5	22.54
		25	Mid	22.44	22.43	22.42
		25	High	22.48	22.43	22.53
		50	N/A	22.36	22.43	22.49
	16 QAM	1	Low	22.67	22.84	22.72
		1	Mid	22.83	22.84	22.71
		1	High	22.70	22.68	22.63
		25	Low	21.48	21.58	21.56
		25	Mid	21.51	21.53	21.52
		25	High	21.58	21.53	21.6
		50	N/A	21.46	21.53	21.56

LTE Band 5

Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	Resource Block Offset	Measured Average Output Power (dBm)		
				Low Test Channel (829.0MHz)	Middle Test Channel (836.5 MHz)	High Test Channel (844.0 MHz)
10	QPSK	1	Low	23.72	23.83	23.69
		1	Mid	23.8	23.85	23.64
		1	High	23.73	23.65	23.25
		25	Low	22.61	22.57	22.54
		25	Mid	22.65	22.57	22.53
		25	High	22.53	22.52	22.49
		50	N/A	22.63	22.54	22.58
	16 QAM	1	Low	22.67	22.17	22.97
		1	Mid	22.67	22.93	23.1
		1	High	22.54	23.01	22.21
		25	Low	21.39	21.38	21.29
		25	Mid	21.45	21.34	21.35
		25	High	21.31	21.27	21.33
		50	N/A	21.4	21.27	21.26

Product Service

LTE Band 26

Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	Resource Block Offset	Measured Average Output Power (dBm)		
				Low Test Channel (821.5MHz)	Middle Test Channel (831.5 MHz)	High Test Channel (841.5 MHz)
15	QPSK	1	Low	24.07	23.94	23.87
		1	Mid	23.82	23.71	23.72
		1	High	23.81	23.97	23.7
		36	Low	22.73	22.76	22.77
		36	Mid	22.69	22.72	22.72
		36	High	22.66	22.62	22.61
		75	N/A	22.68	22.67	22.72
	16 QAM	1	Low	23.27	23.23	22.59
		1	Mid	22.41	22.83	22.31
		1	High	23.25	23.11	22.45
		36	Low	21.61	21.57	21.33
		36	Mid	21.62	21.54	21.27
		36	High	21.54	21.41	21.18
		75	N/A	21.58	21.54	21.28

LTE Band 41

Channel Bandwidth (MHz)	Modulation	Resource Block Allocation	Resource Block Offset	Measured Average Output Power (dBm)				
				2506.0 MHz	2549.5 MHz	2593.0 MHz	2636.5 MHz	2680.0 MHz
20	QPSK	1	Low	23.26	23.19	23.31	23.21	23.19
		1	Mid	23.15	23.24	23.18	22.81	23.27
		1	High	23.16	23.16	23.30	22.95	23.21
		50	Low	22.49	22.48	22.43	22.23	22.45
		50	Mid	22.53	22.48	22.45	22.20	22.44
		50	High	22.47	22.33	22.40	22.19	22.39
		100	N/A	22.63	22.48	22.46	22.15	22.42
	16 QAM	1	Low	22.17	22.92	22.36	23.04	23.16
		1	Mid	22.15	22.61	22.23	22.71	22.61
		1	High	21.93	22.51	22.43	22.55	22.18
		50	Low	21.57	21.57	21.48	21.25	21.70
		50	Mid	21.52	21.50	21.44	21.21	21.63
		50	High	21.36	21.35	21.39	21.31	21.62
		100	N/A	21.59	21.51	21.49	21.18	21.71

Bluetooth

Modulation	Frequency (MHz)	Conducted Carrier Power (dBm)
		Average
GFSK/DH5	2402	3.53
	2441	3.76
	2480	3.80

1.5.3 Standalone SAR Test Exclusion Considerations (KDB 447498 D01)

The 1g SAR Test exclusion thresholds for 100 MHz to 6 GHz *test separation distances* ≤ 50 mm are determined by:

[(*max power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] [√f ($_{GHz}$)]* ≤ 3.0, where

- f ($_{GHz}$) is the RF channel transmit frequency in GHz.
- Power and distance are rounded to the nearest mW and mm before calculation.
- The result is rounded to one decimal place for comparison.
- When the maximum test separation distance is < 5 mm, a distance of 5 mm is applied.

Band	Frequency (MHz)	Max Power		Test Position	Distance (mm)	Threshold	Test Exclusion
		(dBm)	(mW)				
GSM 850MHz	824.20	33.50	2238.72	Head	< 5	406.5	No
GPRS 850MHz	824.20	31.30	1348.95	Head	< 5	244.9	No
GPRS 850MHz	824.20	31.30	1348.95	Body	10	122.5	No
WCDMA FDD V	826.40	24.20	263.03	Head	< 5	47.8	No
				Body	10	23.9	No
LTE Band 17	709.00	24.20	263.03	Body	10	22.1	No
LTE Band 5	836.50	24.20	263.03	Body	10	24.1	No
LTE Band 26	821.50	24.20	263.03	Body	10	23.8	No
LTE Band 41	2593.00	23.33	215.28	Body	10	29.5	No
GSM 1900MHz	1880.00	30.50	1122.02	Head	< 5	307.7	No
GPRS 1900MHz	1880.00	28.30	676.08	Head	< 5	185.4	No
GPRS 1900MHz	1880.00	28.30	676.08	Body	10	92.7	No
WLAN 2.4 GHz Antenna 0	2437.00	12.80	19.06	Head	< 5	5.9	No
				Body	10	3.0	Yes
WLAN 2.4 GHz Antenna 1	2437.00	14.00	25.12	Head	< 5	7.8	No
				Body	10	3.9	No

Band	Frequency (MHz)	Max Power		Test Position	Distance (mm)	Threshold	Test Exclusion
		(dBm)	(mW)				
WLAN 5 GHz Antenna 0	5180.00	12.00	15.85	Head	< 5	7.2	No
				Body	10	3.6	No
WLAN 5 GHz Antenna 1	5180.00	11.5	14.13	Head	< 5	6.4	No
				Body	10	3.2	No
Bluetooth	2480.00	3.82	2.40	Head	< 5	0.8	Yes
				Body	10	0.4	Yes

Product Service

SECTION 2

TEST DETAILS

Specific Absorption Rate Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V),
Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with
Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS

2.1 SARA-C SAR MEASUREMENT SYSTEM

2.1.1 Robot System Specification

The SAR measurement system being used is the IndexSAR SARA-C system, which consists of a cartestian 6-axis robot jig, a dedicated robot controller, a straight IndexSAR probe, an L-shaped Indexsar probe, a fast amplifier, and two phantoms: an upside-down SAM phantom, and a rectangular box phantom,

Figure 1. The L-probe is used in connection with measurements on DUTs held against the SAM phantom, while the straight probe is used exclusively in the box phantom. The robot is used to articulate the probe to programmed positions inside the phantom head to obtain SAR readings from the DUT.

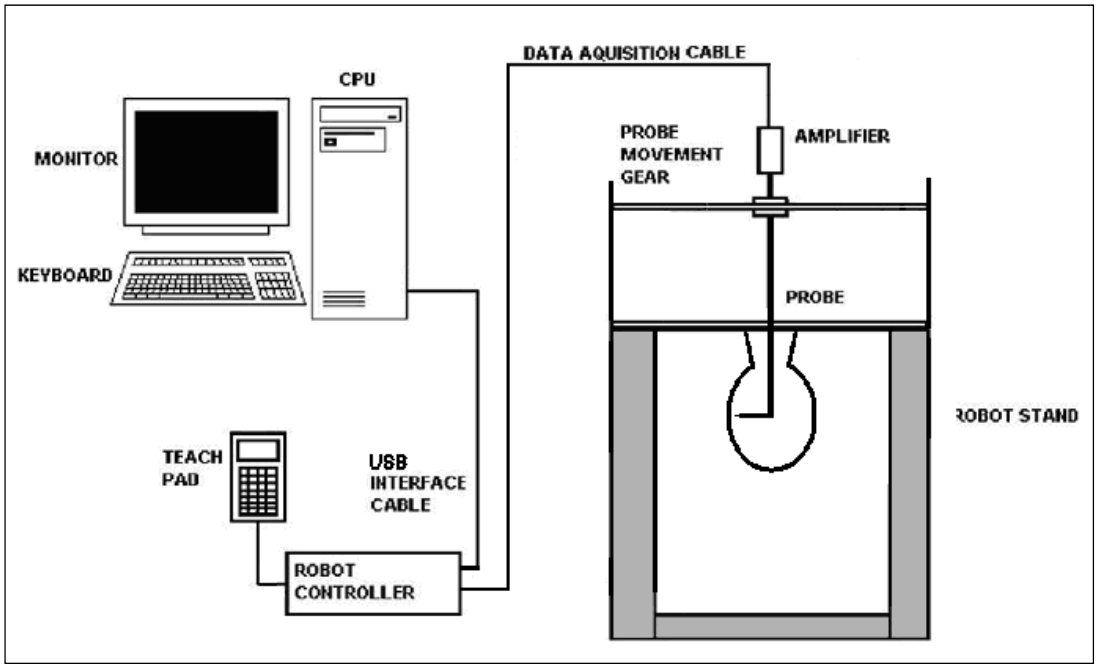

Figure 1 Schematic diagram of the SARA-C measurement system showing the L-probe and upside-down SAM phantom

The system is controlled remotely from a PC, which contains the software to drive the robot and data acquisition equipment. The software also displays the data obtained from test scans.

The position and digitised shape of the phantom heads are made available to the software for accurate positioning of the probe and reduction of set-up time. The SAM phantom heads are individually digitised using a Mitutoyo CMM machine to a precision of 0.001mm. The data is then converted into a shape format for the software, providing an accurate description of the phantom shell. Even with this accuracy, registration errors and deformation of the phantom when filled with 7 litres of fluid, can lead to probe placement errors of 1mm or more. For this reason, the L-probes house a 2-axis strain gauge unit, which allow the actual phantom wall position to be sensed to an accuracy of 0.3mm during probe movements.

In operation, the system first does an area (2D) scan within the liquid following the curve of the phantom wall at a fixed distance. When the maximum SAR point has been found, the system will then carry out a 3D scan centred at that point to determine volume averaged SAR level.

Product Service

2.1.2 Probe and Amplifier Specification

IndexSAR isotropic immersible straight SAR probes

Straight probes are constructed using three orthogonal dipole sensors arranged on an interlocking, triangular prism core. The probes have built-in shielding against static charges and are contained within a PEEK cylindrical enclosure material at the tip. The tips come in either 5mm (typically for use up to 3GHz) or 2.5mm (above 3GHz) versions, model types IXP-050 and IXP-025 respectively.

Straight probes are calibrated by NPL in the UK.

Straight probes are used exclusively in the box phantom, to measure SAR from DUTs placed against the phantom base. In SARA2, straight probes were also used in the SAM phantom, but this is forbidden in SARA-C, where L-probes are demanded. NB the reverse is not true: L-probes can be used in the box phantom.

IndexSAR L-probes

The L-shaped probe is so designed to ensure the probe tip can remain perpendicular to the SAM phantom wall during scans. To allow for greater probe articulation freedom, the SAM phantom head has been turned upside down and the probe is inserted through the throat aperture, rather than through a small hole at the top of the head in the old SARA2 SAR measurement system.

Like the straight probes, L-probes also come in the same two tip sizes: IXP-020 (5mm) and IXP-021 (2.5mm).

L-probes are calibrated to national standards in-house by IndexSAR.

L-probes can be used either in the SAM head, or against the side wall of the box phantom.

IFA-020 Fast Amplifier

A block diagram of the fast probe amplifier electronics is shown below.

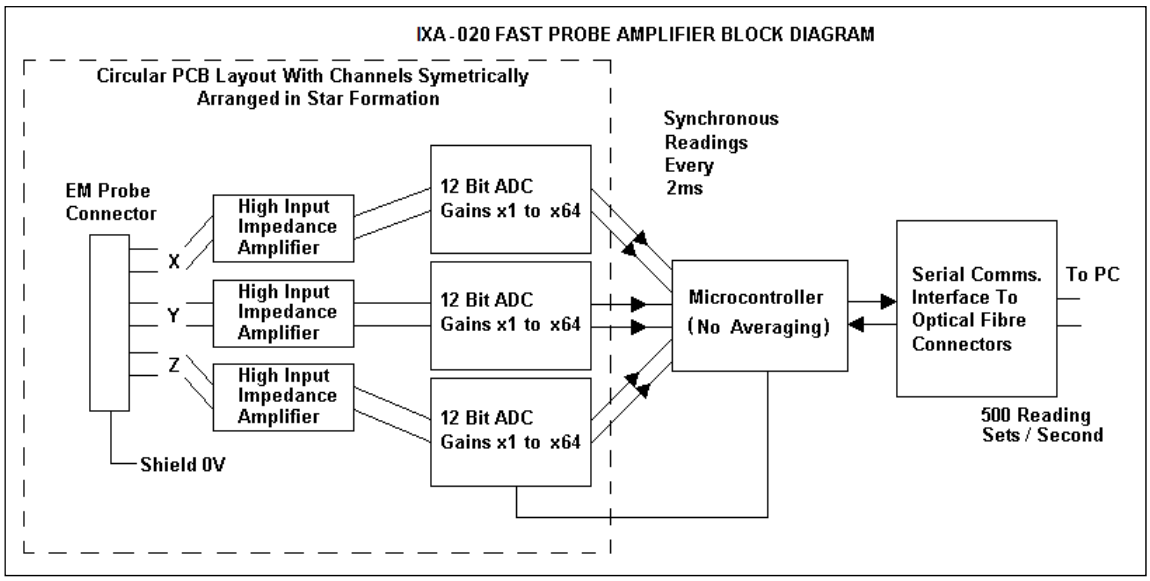

Figure 2 Schematic diagram of the fast amplifier

This amplifier has a time constant of approx. 50µs, which is much faster than the SAR probe response time. The overall system time constant is therefore that of the probe (<1ms) and a reading containing data for all three channels is returned to the PC every 2ms. The conversion period is approx. 1 µs at the start of each 2ms period. This enables the probe to follow pulse modulated signals of periods >>2ms. The PC software applies the linearisation procedure separately to each reading, so no linearisation corrections for the averaging of modulated signals are needed in this case.

The fast amplifier sampling rate can be adjusted via the SARA-C user interface from 1.7ms to 2.3ms. When not measuring CW signals, it is important to ensure that this probe reading rate and the modulated signal's pulse repetition rate are not unintentionally synchronised since this can lead to aliasing and a gross reduction in accuracy. For GSM signals, the default amplifier sampling rate of 2ms is entirely satisfactory, whereas changing it to 2.3ms (almost exactly half the GSM frame rate) could mean GSM bursts are always missed.

When aggregating 2ms samples to reduce the stochastic noise, it is equally important to match the number of samples with the longer-term timing structure of the modulation scheme. Taking GSM as an example again, since 120ms is the precise length of a GSM traffic channel multiframe, best practice would dictate that aggregated samples should cover exact multiples of this timescale. In this case, setting the number of samples to be aggregated to 120 (2 multiframes), or 240 samples (4 multiframes) should be ideal. Other signalling protocols would require changing these numbers as appropriate.

Product Service

Phantoms

The Flat phantom used is a rectangular Perspex Box IndexSAR item IXB-2HF, dimensions 240 x 190 x 195mm (w x d x h). The base and one side wall are made of FR4 material which has specific dielectric properties and a tightly-controlled thickness. The base is used in tandem with straight probes, measuring either a DUT or a validation dipole, while the side wall is for performing validations with the L-probe. It is also feasible to perform measurements on body-worn devices with the L-probe against the side window, but only if the L-probe is suitably calibrated (ie if the measurement standard demands body and head fluids have the same dielectric properties).

The Specific Anthropomorphic Mannequin (SAM) Upright Phantom is fabricated using moulds generated from the CAD files as specified by CENELEC EN 62209-1: 2006.

2.1.3 SAR Measurement Procedure

Detailed measurement procedures for SARA-C are set out in a separate IndexSAR technical document ("SARA-C Operational Procedures"

A test set and dipole antenna control the handset via an air link and a low-mass phone holder can position the phone at either ear. Graduated scales are provided to set the phone in the 15 degree position. The upright phantom head holds approx. 7 litres of simulant liquid. The phantom is filled and emptied through the 110mm diameter penetration hole in the neck.

An area scan is performed inside the head at a fixed distance of 5mm from the curved surface on the source side. An algorithm presents the user with the location of any local hotspots and allows one to be selected for a follow-up 3D scan, looking at how the signal absorption varies with depth. A comparison between the start and end readings at a fixed distance from the DUT also enables the power drift during measurement to be assessed.

SARA-C Interpolation and Extrapolation schemes

SARA-C software contains support for both 2D cubic B-spline interpolation as well as 3D cubic B-spline interpolation. In addition, for extrapolation purposes, a proprietary curve-fitting routine is implemented as a weighted average of 3 different polynomial fits. The polynomial fitting procedures have been extensively tested by comparing the fitting coefficients generated by the SARA-C procedures with those obtained using the polynomial fit functions of Microsoft Excel when applied to the same test input data.

Interpolation of 2D area scan

The 2D cubic B-spline interpolation is used after the initial area scan at fixed distance from the phantom shell wall. The initial scan data are collected with approx. 115mm spatial resolution and spline interpolation is used to find the location of the local maximum to within a 1mm resolution for positioning the subsequent 3D scanning.

Extrapolation of 3D scan

For the 3D scan, data are collected on a spatially regular, but conformal, 3D grid having (by default) 6.4 mm steps in the lateral dimensions and 3.5 mm steps in the depth direction (away from the source). SARA-C enables full control over the selection of alternative step sizes in all directions.

Product Service

The overall accuracy of the 1g and 10g SAR volume average depends largely on the accuracy with which the probe can be re-positioned in the head. Although the digitised shape of the head is available to the SARA-C software, a better positioning solution is to use strain gauges attached to the L-probe to feel for the actual surface and to base all movements relative to this positive detection. An even more precise, but time-consuming, method is to place the probe tip in positive contact against the phantom wall, then step backwards 0.01mm at a time while monitoring the recorded SAR reading. At the exact moment that the probe detaches from contact, the SAR reading will suddenly fall.

After the data collection, the data are extrapolated up to the shell wall in the depth direction to assign values to points in the 3D array which cannot be measured in practice because of the finite size of the sensor tip. For automated measurements inside the head, the distance of the closest plane from the wall cannot be less than 2.7mm (for 5mm probes) and 1.39mm (for 2.5mm probes), this being the distance of the probe sensors behind the front edge of the probe tip.

Interpolation of 3D scan and volume averaging

The procedure used in SARA-C for defining the volumes used in SAR averaging follow the method of adapting the surface of the 'cube' to conform with the curved inner surface of the phantom (see Appendix C.2.2.1 in EN 62209-1: 2006). This is called, here, the conformal scheme.

For each row of data in the depth direction, the data are extrapolated to the phantom wall, and interpolated to less than 1mm spacing and average values are calculated from the phantom surface for the row of data over distances corresponding to the requisite depth for 10g and 1g cubes. This results in two 2D arrays of data, one for 1g and the other for 10g masses, which are then cubic B-spline interpolated to sub mm lateral resolution. A search routine then moves an averaging square around through the 2D array and records the maximum value of the corresponding 1g and 10g volume averages.

The default step size is 3.5mm, but this is under user-control. The compromise is with time of scan, so it is not practical to make it much smaller or scan times become long and power-drop influences become larger.
The robot positioning system specification for the repeatability of the positioning (**dss** in EN 62209-1: 2006) is +/- 0.04mm.

Product Service

2.1.4 Head Test Positions

This recommended practice specifies exactly two test positions for the handset against the head phantom, the “Cheek” position and the “tilted” position. The handset should be tested in both positions on the left and right sides of the SAM phantom. In each test position the centre of the earpiece of the device is placed directly at the entrance of the auditory canal. The angles mentioned in the test positions used are referenced to the line connecting both auditory canal openings. The plane this line is on is known as the reference plane. Testing is performed on the right and left-hand sides of the generic phantom head.

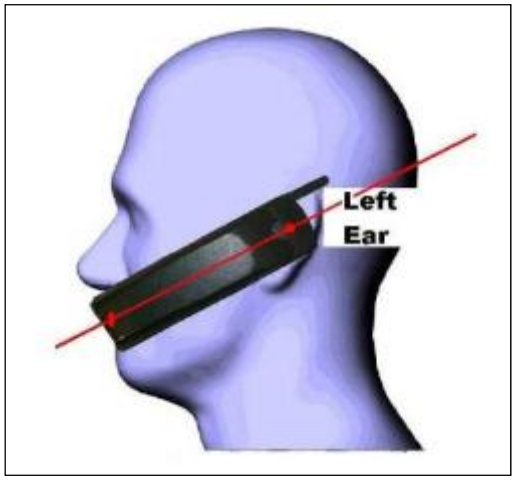

Figure 3 Side view of mobile next to head showing alignment

The Cheek Position

The Cheek Position is where the mobile is in the reference plane and the line between the mobile and the line connecting both auditory canal openings is reduced until any part of the mobile touches any part of the generic twin phantom head.

The 15° Position

The 15° Position is where the mobile is in the reference Cheek position and the phone is kept in contact with the auditory canal at the earpiece; the bottom of the phone is then tilted away from the phantom mouth by 15°.

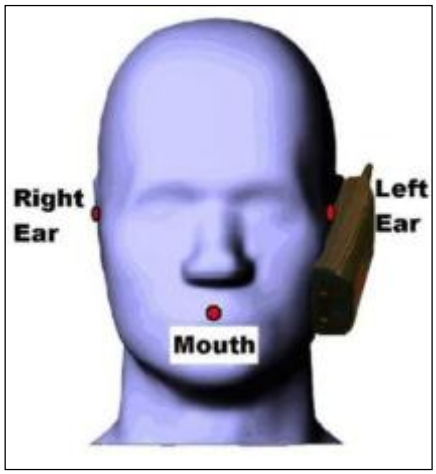

Figure 4 Cheek position

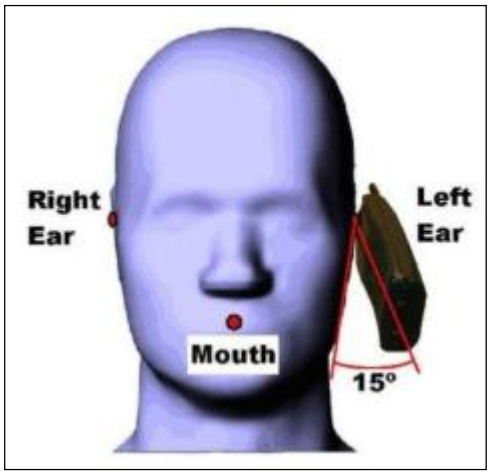

Figure 5 15º Tilt Position

2.2 GSM 850MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-09:38:59	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.20mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-113.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.010
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.402 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.421 W/kg
INPUT POWER LEVEL:	33.5dBm	SAR END:	0.401 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	-4.700 %

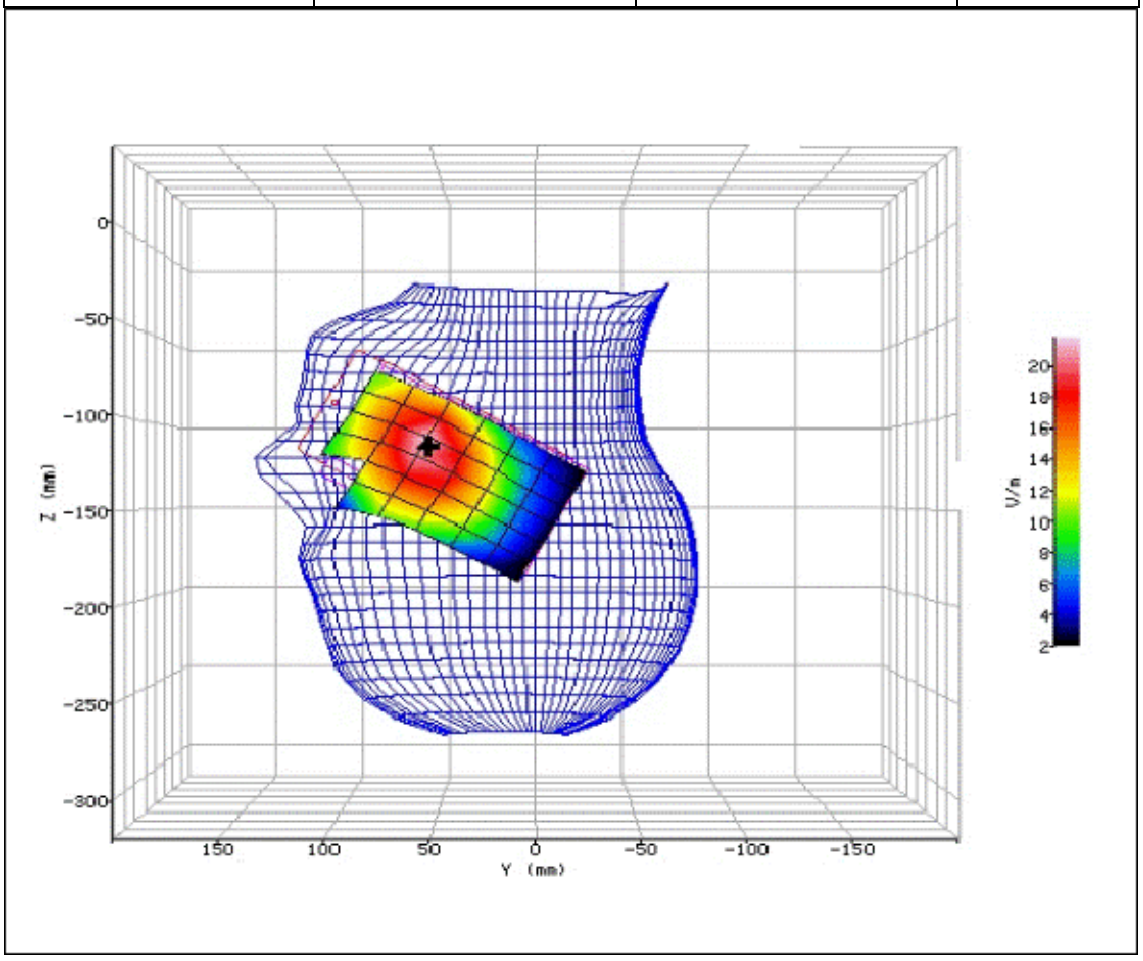

Figure 6: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-10:06:08	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	44.50mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-125.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.466
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.262 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.249 W/kg
INPUT POWER LEVEL:	33.5dBm	SAR END:	0.259 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	4.000 %

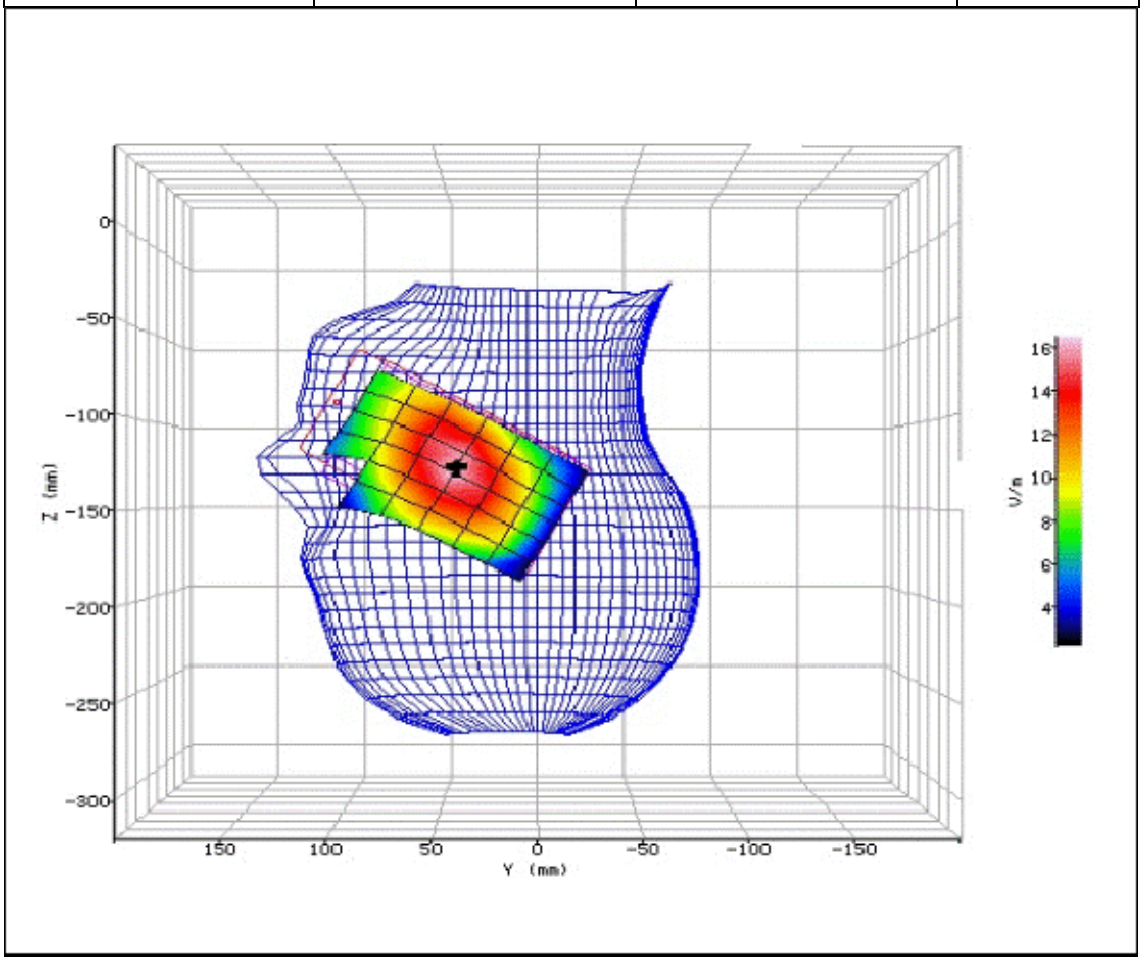

Figure 7: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-10:57:19	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.70mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-118.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	21.638
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.429 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.499 W/kg
INPUT POWER LEVEL:	33.5dBm	SAR END:	0.458 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	-8.100 %

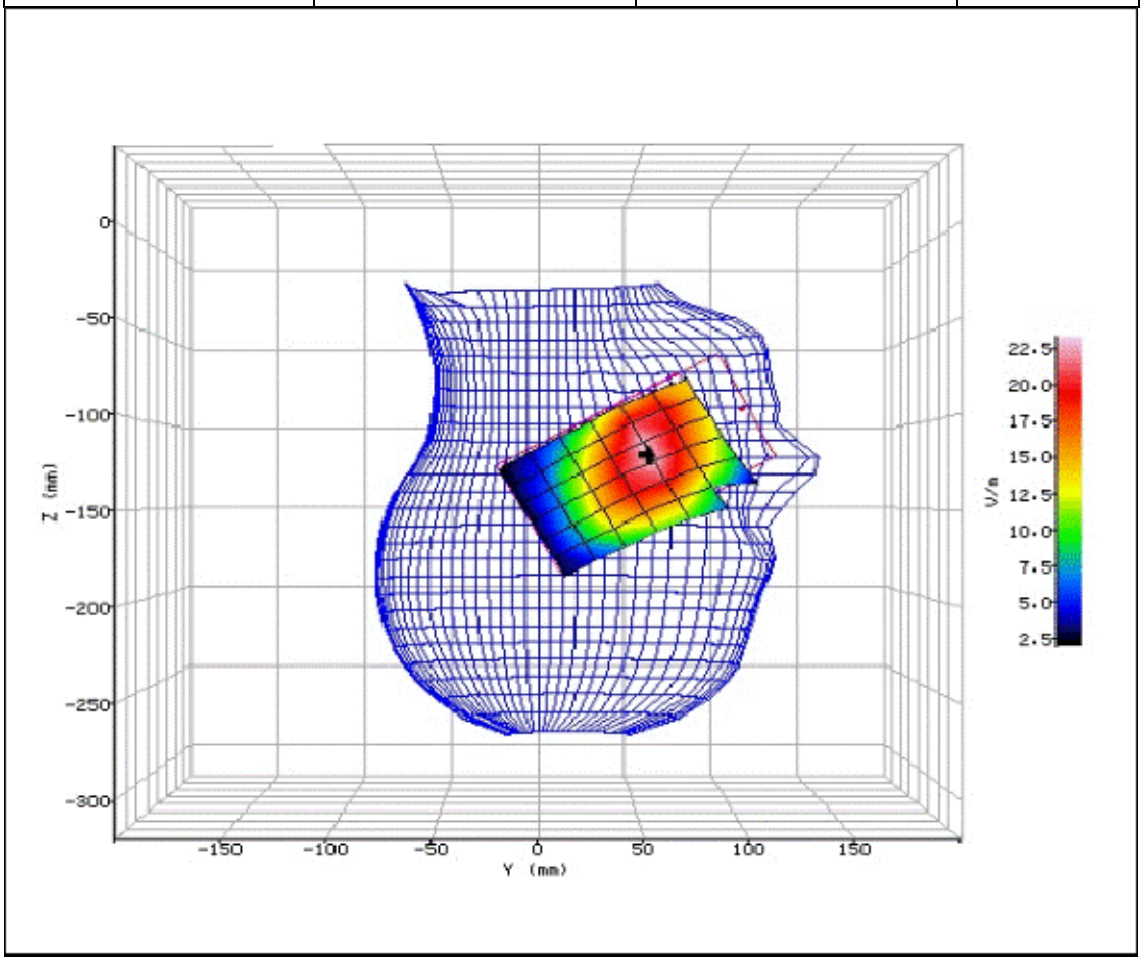

Figure 8: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-11:22:39	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	50.00mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-127.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.764
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.308 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.290 W/kg
INPUT POWER LEVEL:	33.5dBm	SAR END:	0.315 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	8.800 %

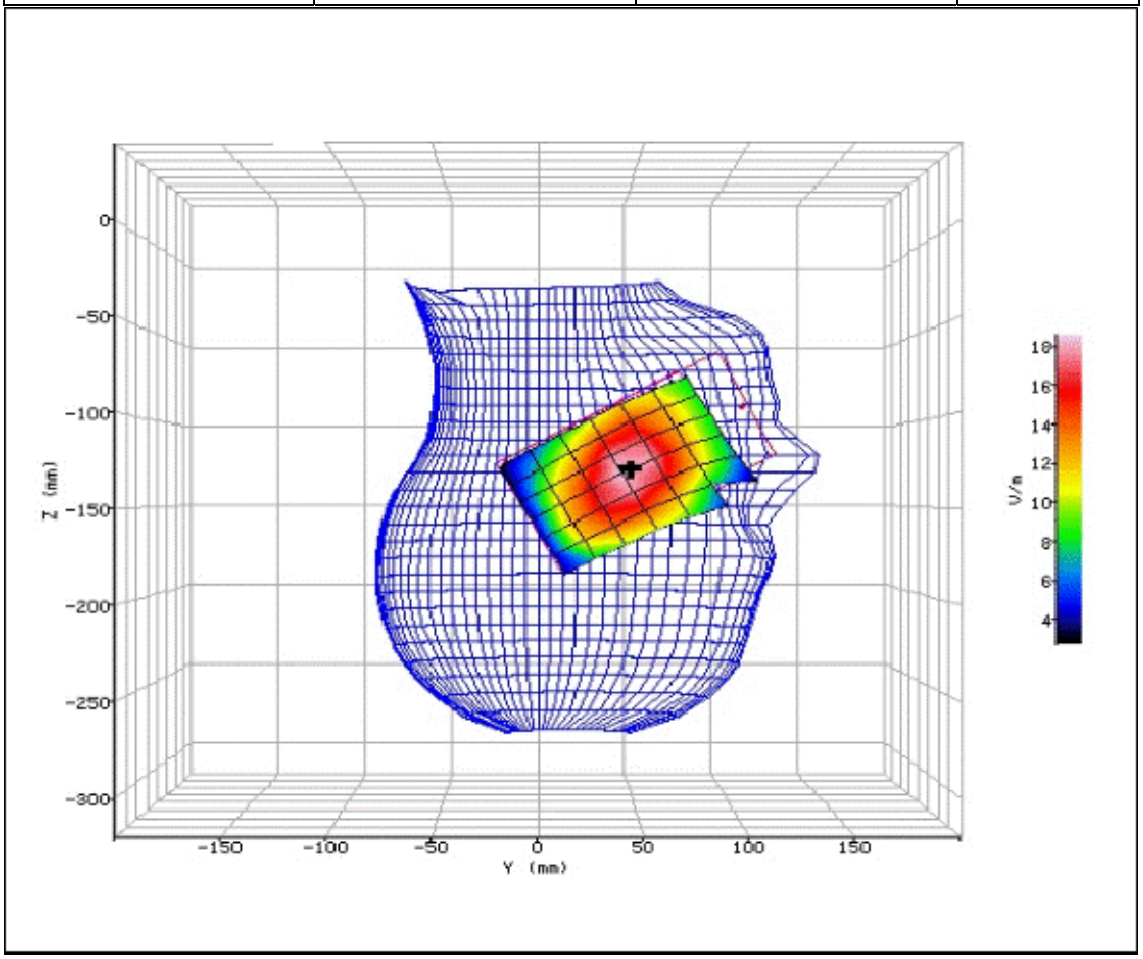

Figure 9: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

2.3 GSM 850MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-14:04:09	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.00mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-113.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	23.551
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.542 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.531 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.536 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	1.000 %

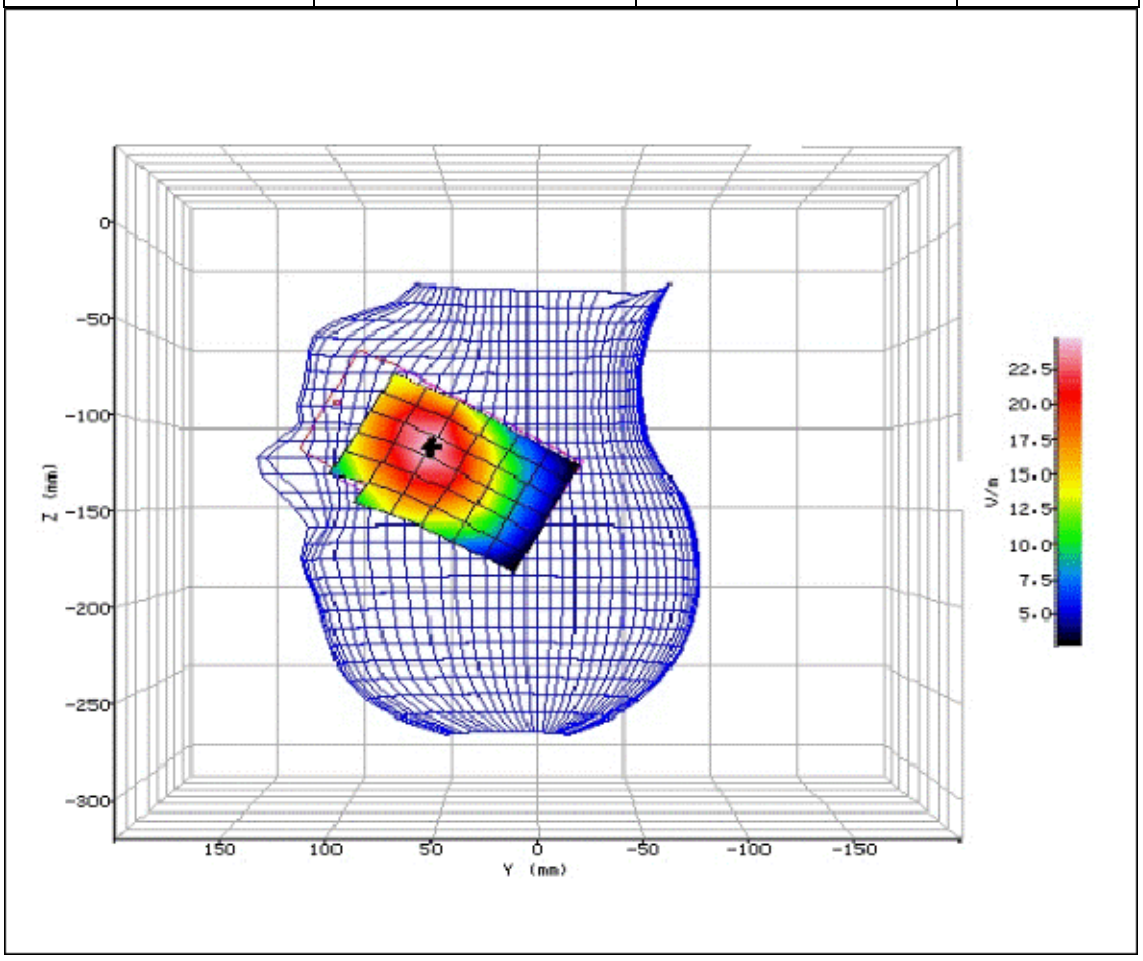

Figure 10: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-14:32:22	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	43.50mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-126.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.927
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.325 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.322 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.320 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	-0.700 %

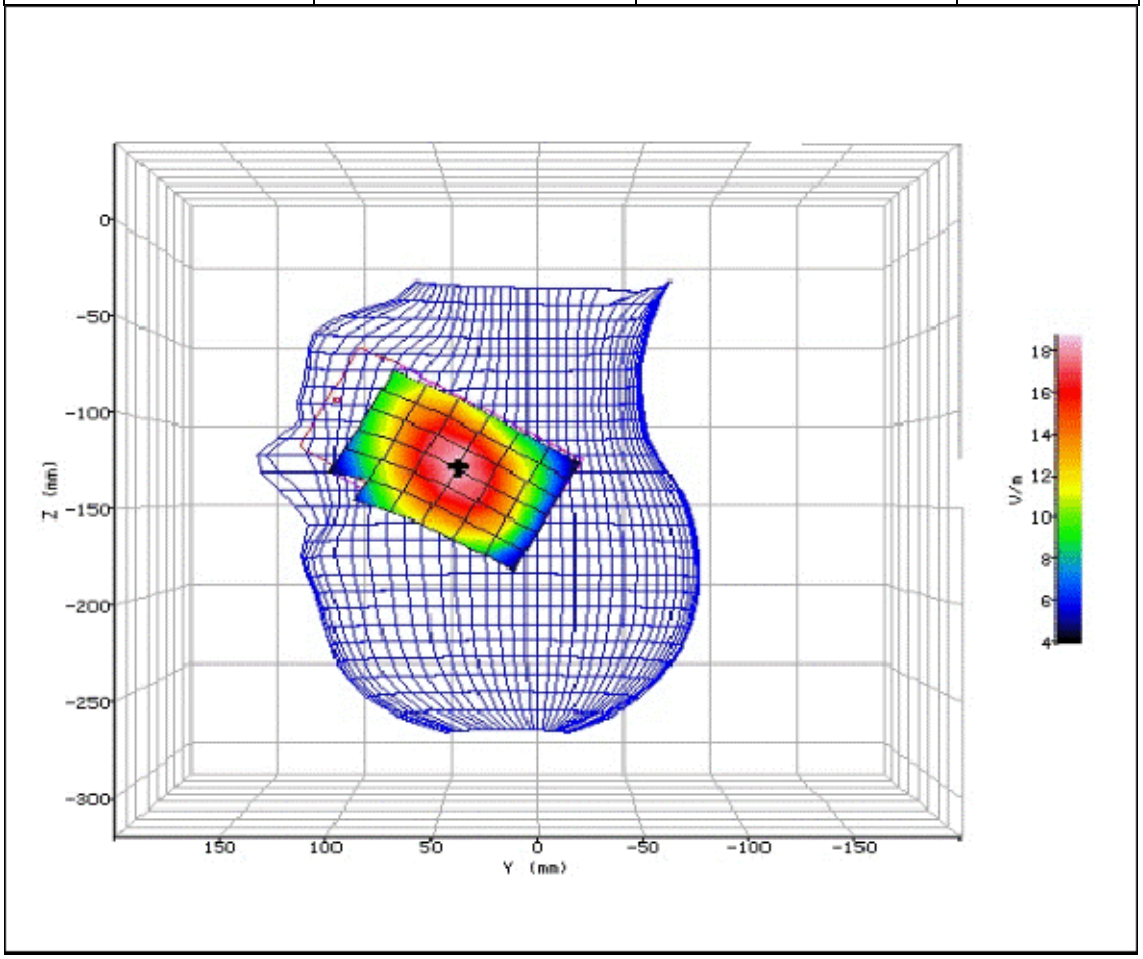

Figure 11: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-12:25:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.00mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-114.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	25.306
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.575 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.622 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.645 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	3.700 %

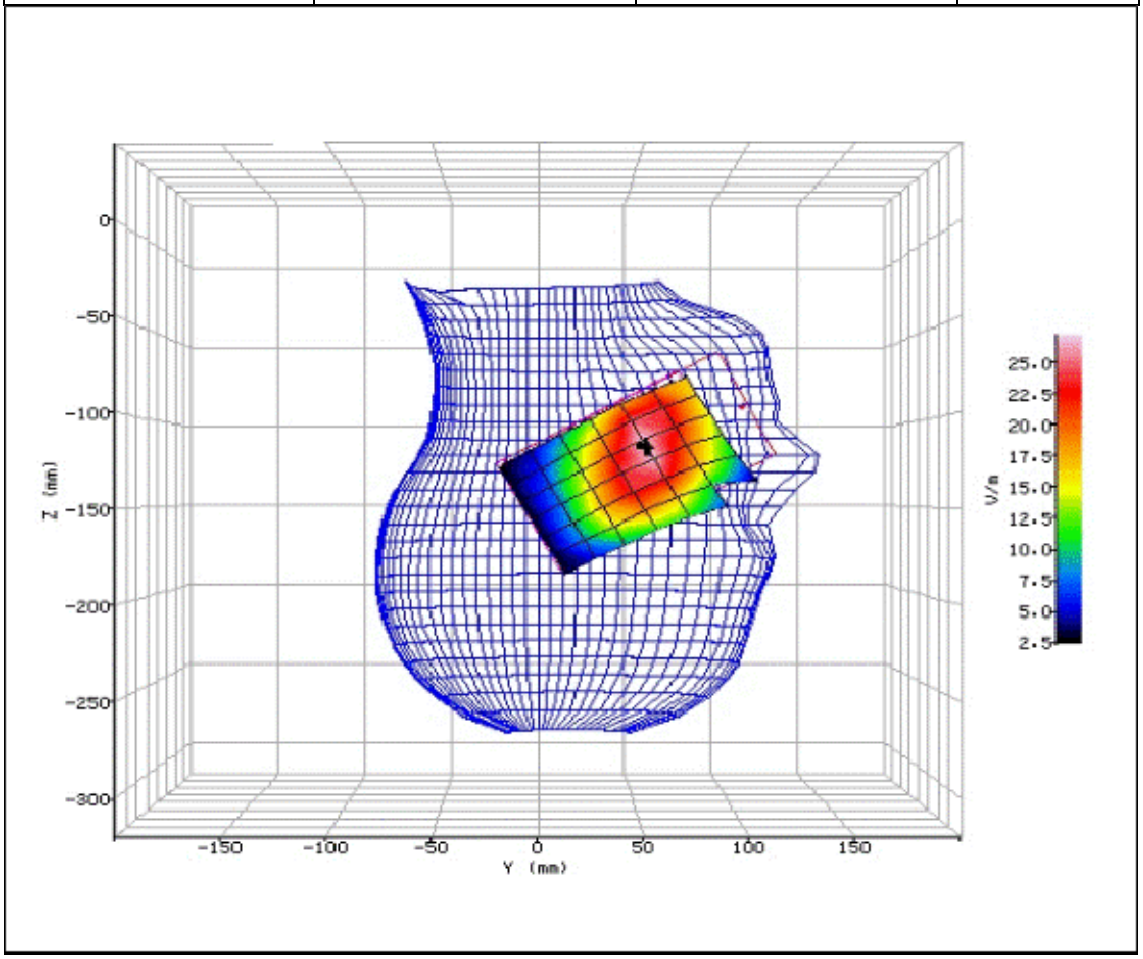

Figure 12: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-12:50:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	32.10%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	46.70mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-129.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.798
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.376 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.406 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.391 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	-3.700 %

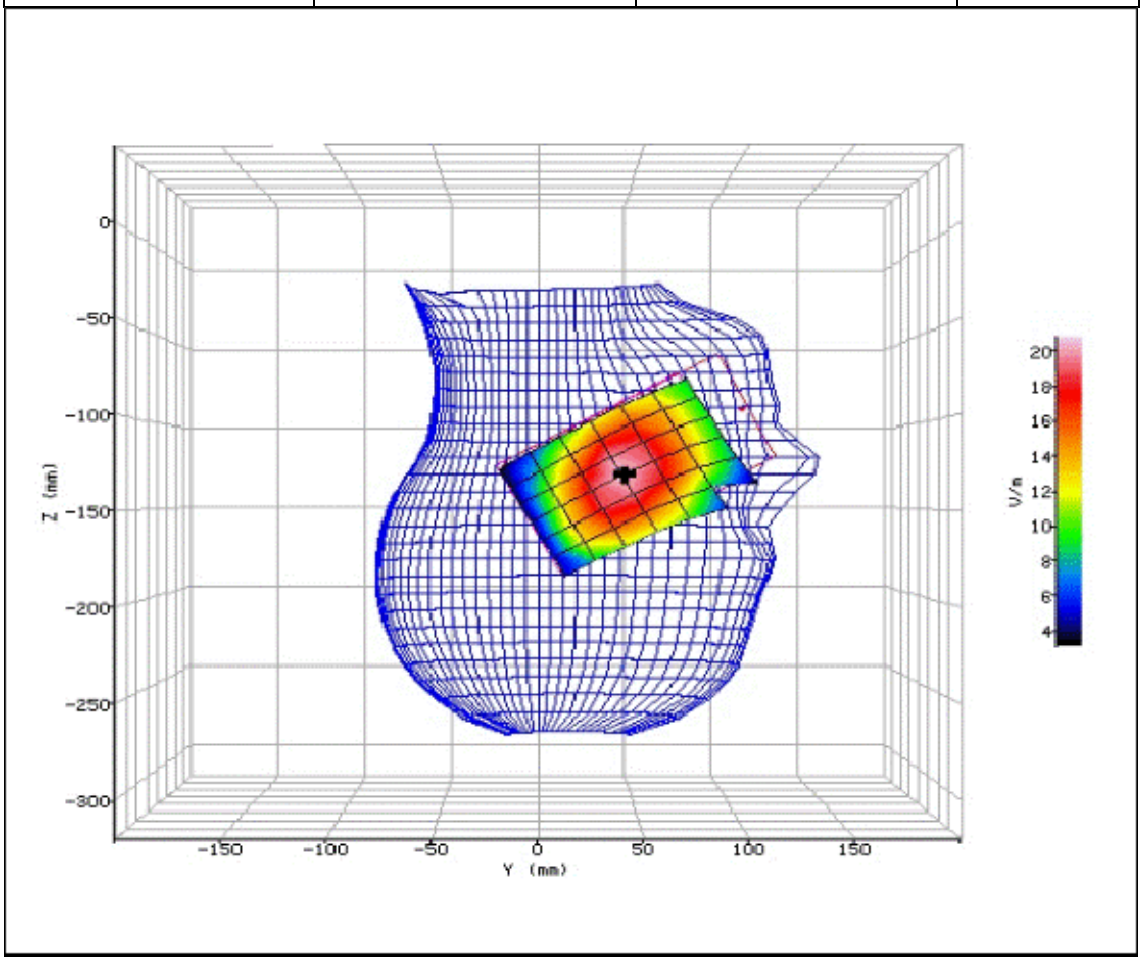

Figure 13: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

2.4 GSM 850MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	22/04/2015-13:15:03	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.00°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	22.90%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	8.80mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	5.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	24.333
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.578 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.586 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.593 W/kg
PROBE BATTERY LAST CHANGED:	22/04/2015	SAR DRIFT DURING SCAN:	1.200 %

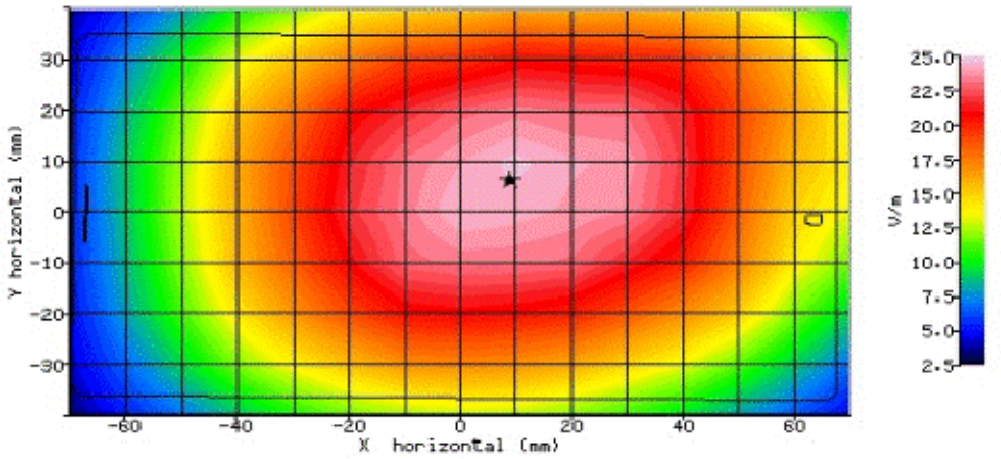

Figure 14: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	22/04/2015-13:33:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.00°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	22.90%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	15.60mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-0.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	24.439
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.590 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.613 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.606 W/kg
PROBE BATTERY LAST CHANGED:	22/04/2015	SAR DRIFT DURING SCAN:	-1.100 %

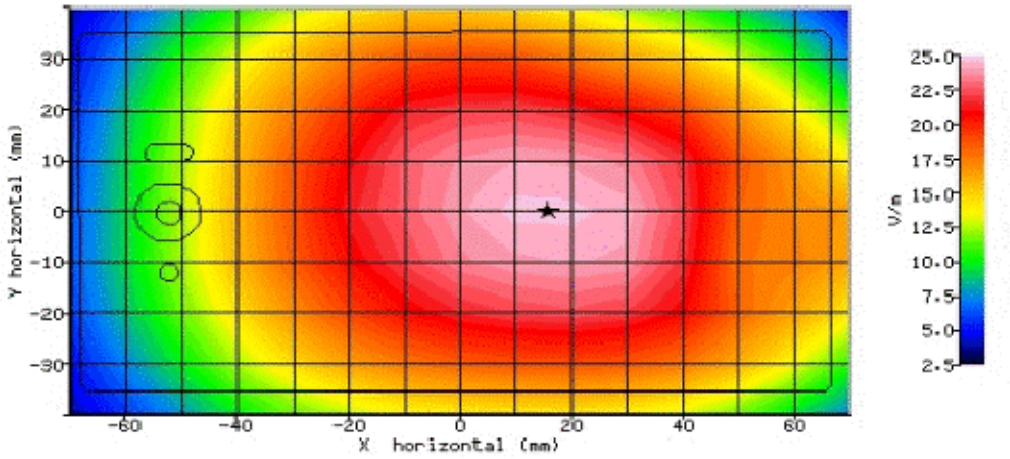

Figure 15: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	22/04/2015-14:19:26	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.00°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	22.90%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.60mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-0.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.550
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.429 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.444 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.436 W/kg
PROBE BATTERY LAST CHANGED:	22/04/2015	SAR DRIFT DURING SCAN:	-1.900 %

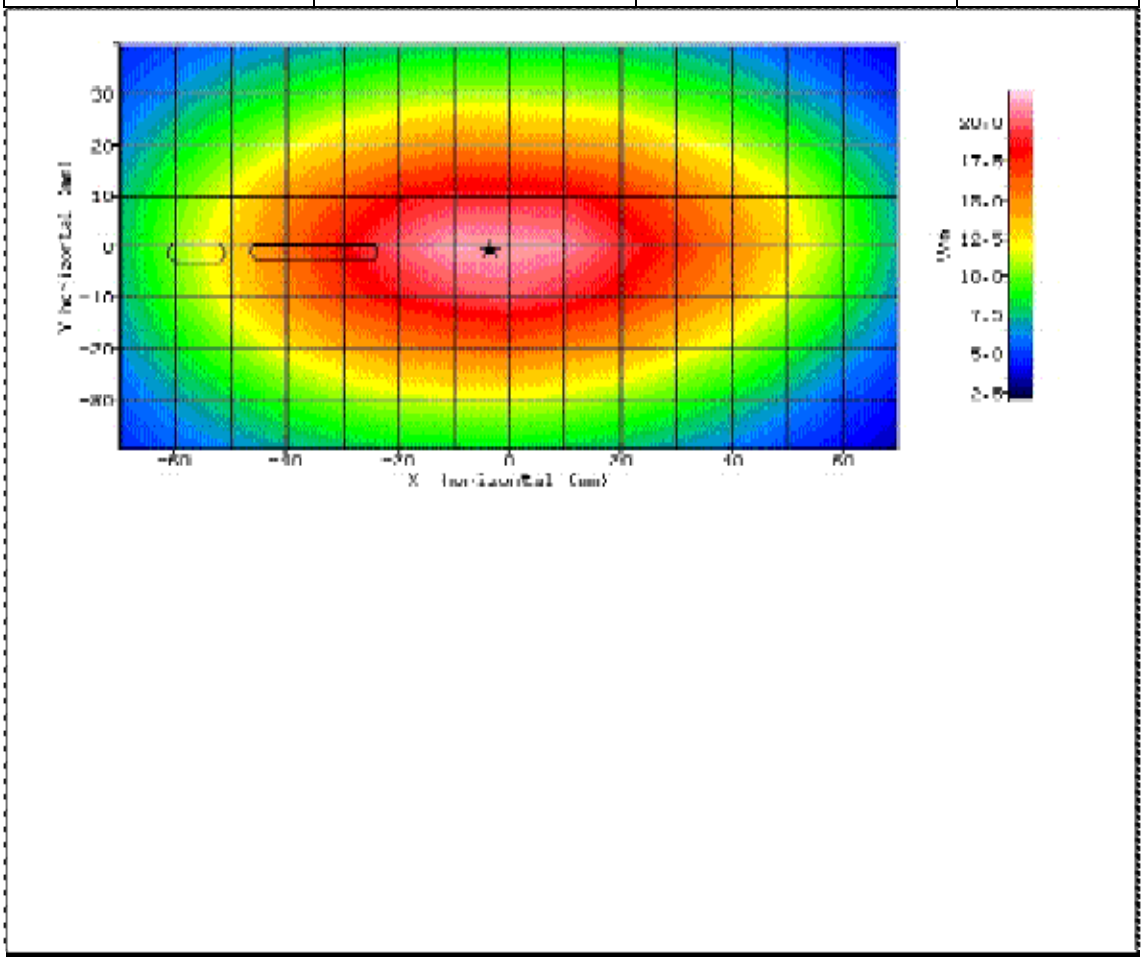

Figure 16: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	22/04/2015-14:39:17	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.00°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	22.90%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-4.20mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	3.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	21.744
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.486 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.501 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.499 W/kg
PROBE BATTERY LAST CHANGED:	22/04/2015	SAR DRIFT DURING SCAN:	-0.400 %

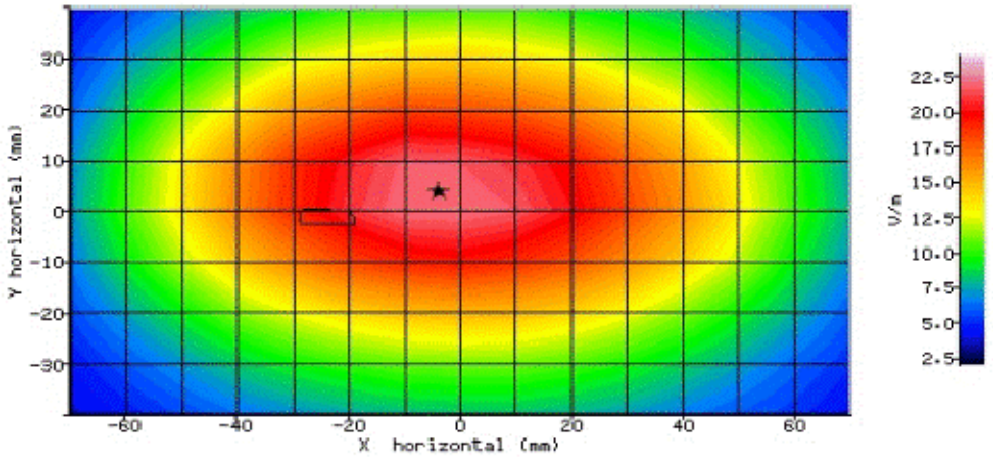

Figure 17: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	22/04/2015-16:24:00	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.00°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	22.90%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.50°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-2.90mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	4.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	10.294
TEST FREQUENCY:	824.2MHz	SAR 1g:	0.126 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.138 W/kg
INPUT POWER LEVEL:	31.3dBm	SAR END:	0.130 W/kg
PROBE BATTERY LAST CHANGED:	22/04/2015	SAR DRIFT DURING SCAN:	-6.000 %

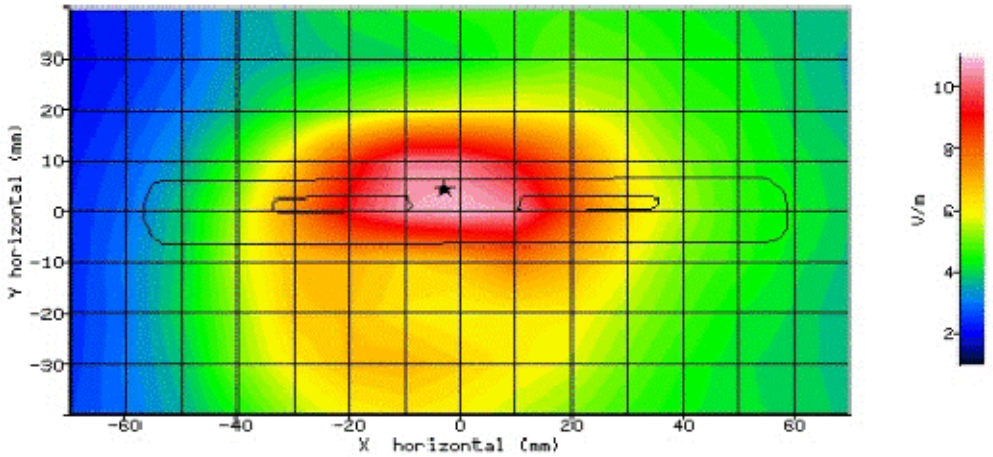

Figure 18: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 824.2MHz.

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2.5 WCDMA FDDV HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-16:06:10	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	30.40%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	58.40mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-114.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	21.996
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.470 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.481 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.483 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	0.500 %

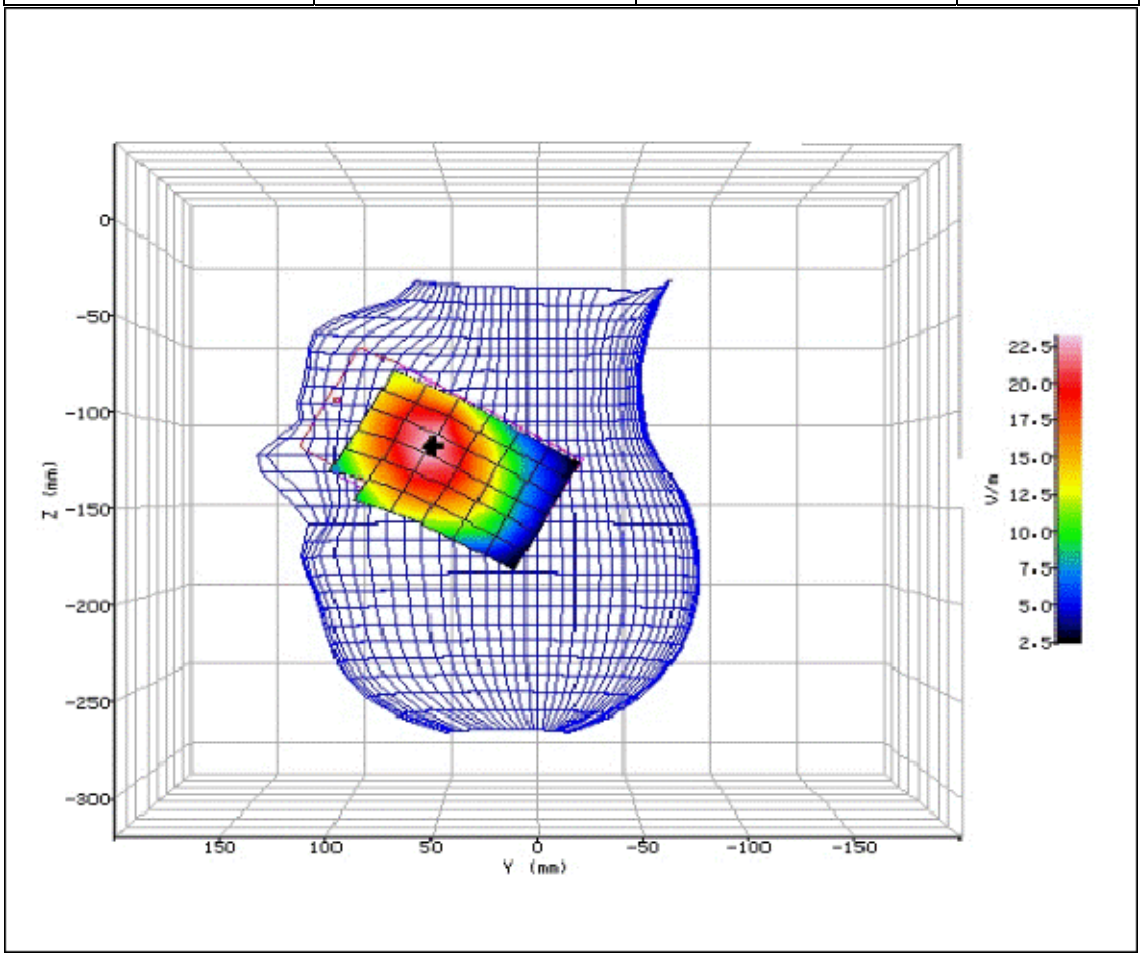

Figure 19: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	20/04/2015-16:31:58	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	30.40%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	45.00mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-126.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.657
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.321 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.308 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.309 W/kg
PROBE BATTERY LAST CHANGED:	20/04/2015	SAR DRIFT DURING SCAN:	0.300 %

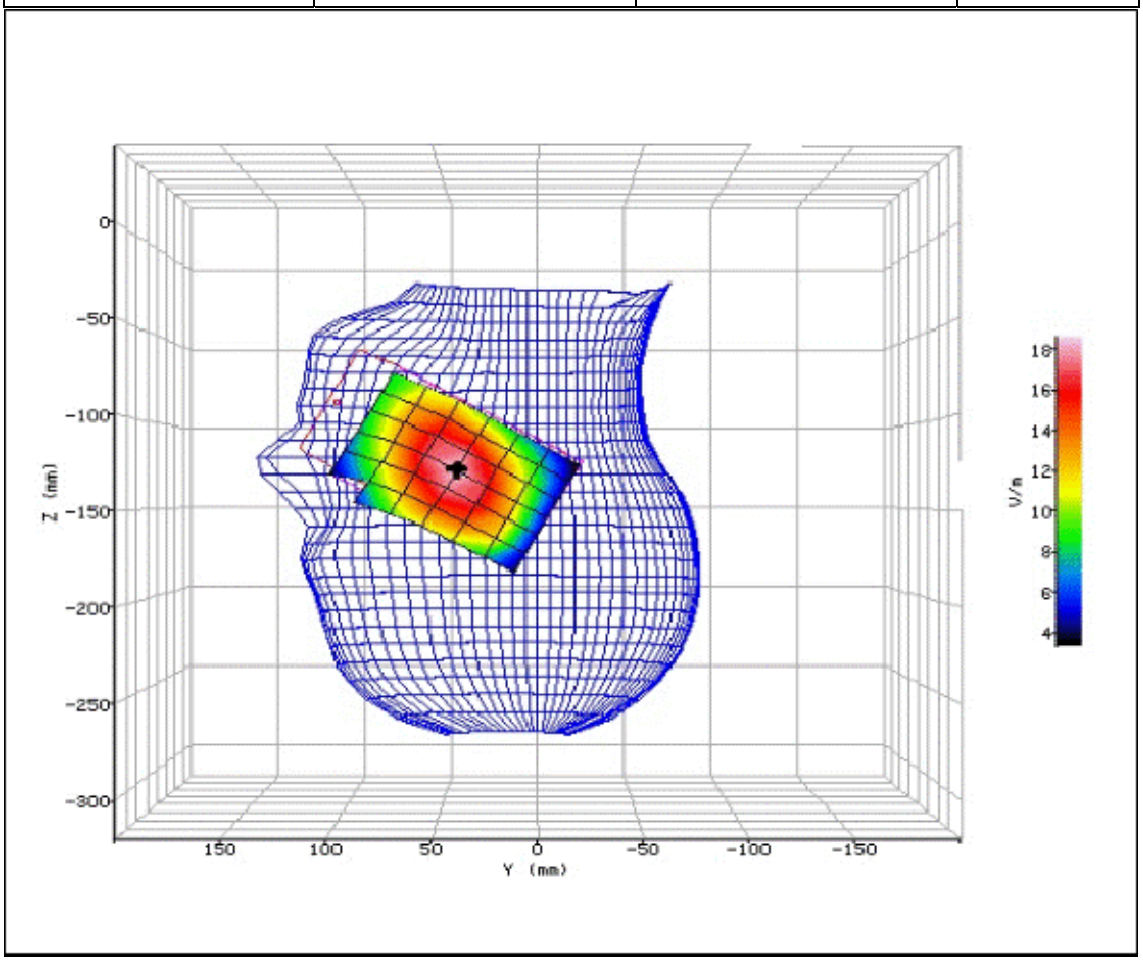

Figure 20: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-06:36:57	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	30.40%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	59.20mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-119.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	22.673
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.454 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.518 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.504 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-2.900 %

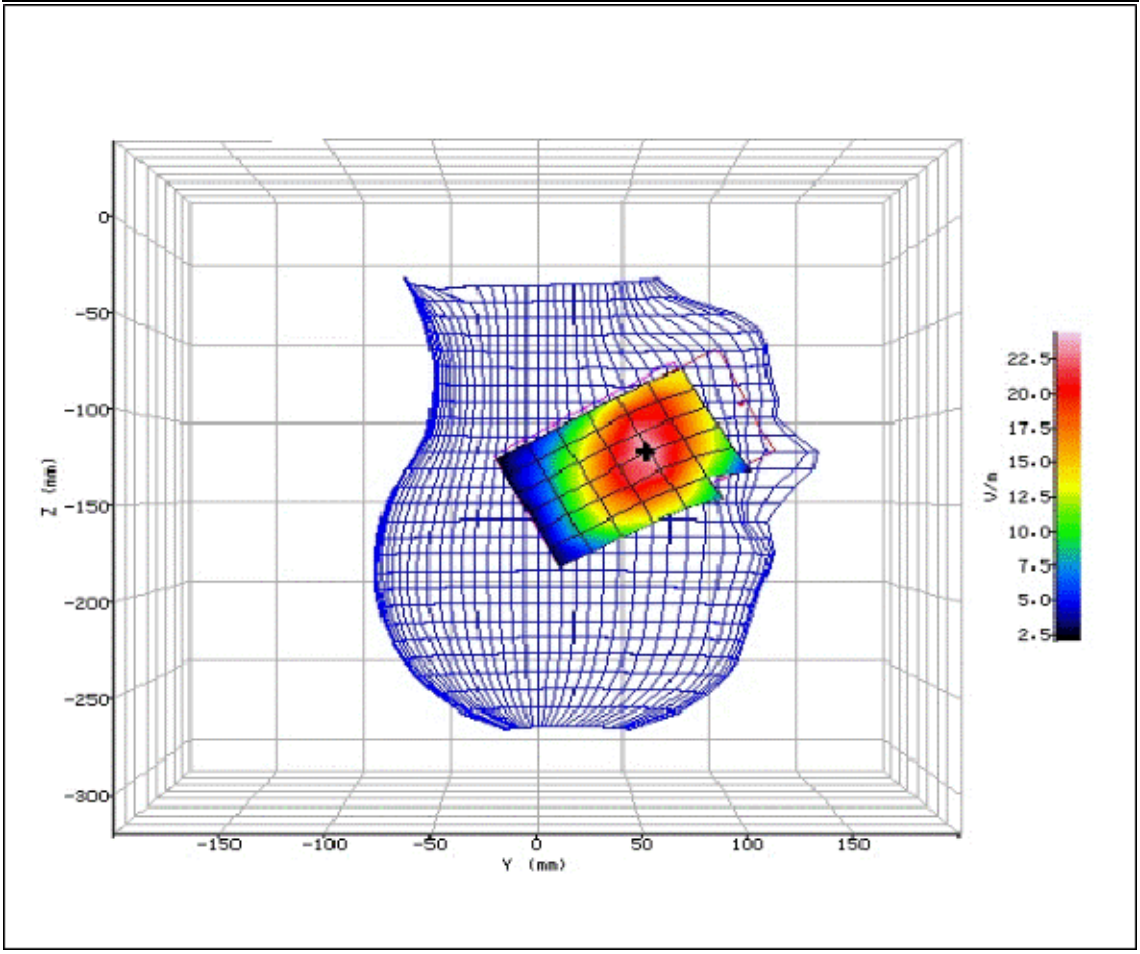

Figure 21: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-07:01:22	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	41.75
RELATIVE HUMIDITY:	30.40%	CONDUCTIVITY:	0.896
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	47.60mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-129.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.955
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.320 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.319 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.304 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-4.800 %

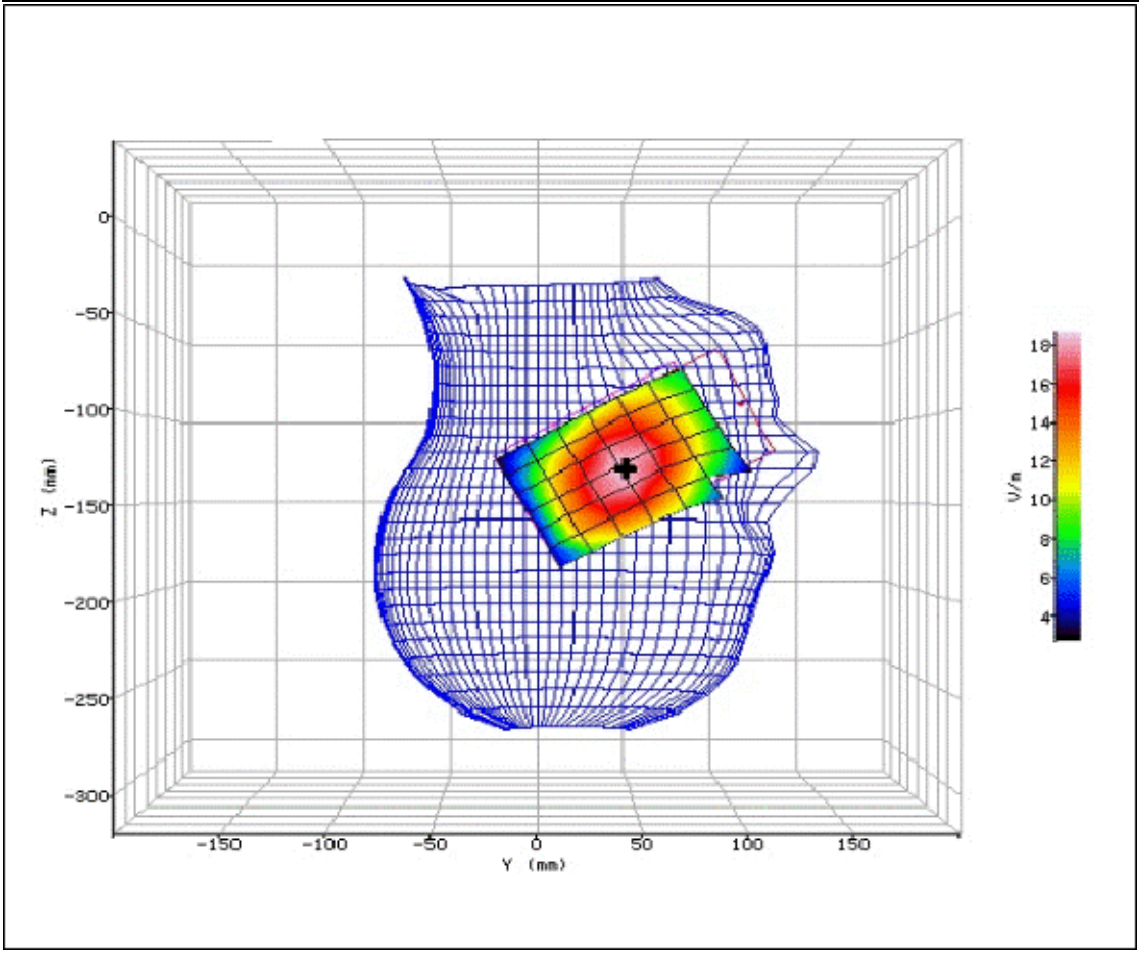

Figure 22: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

2.6 WCDMA FDDV BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

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SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-07:02:49	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	8.20mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-1.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	22.756
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.494 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.512 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.508 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-0.900 %

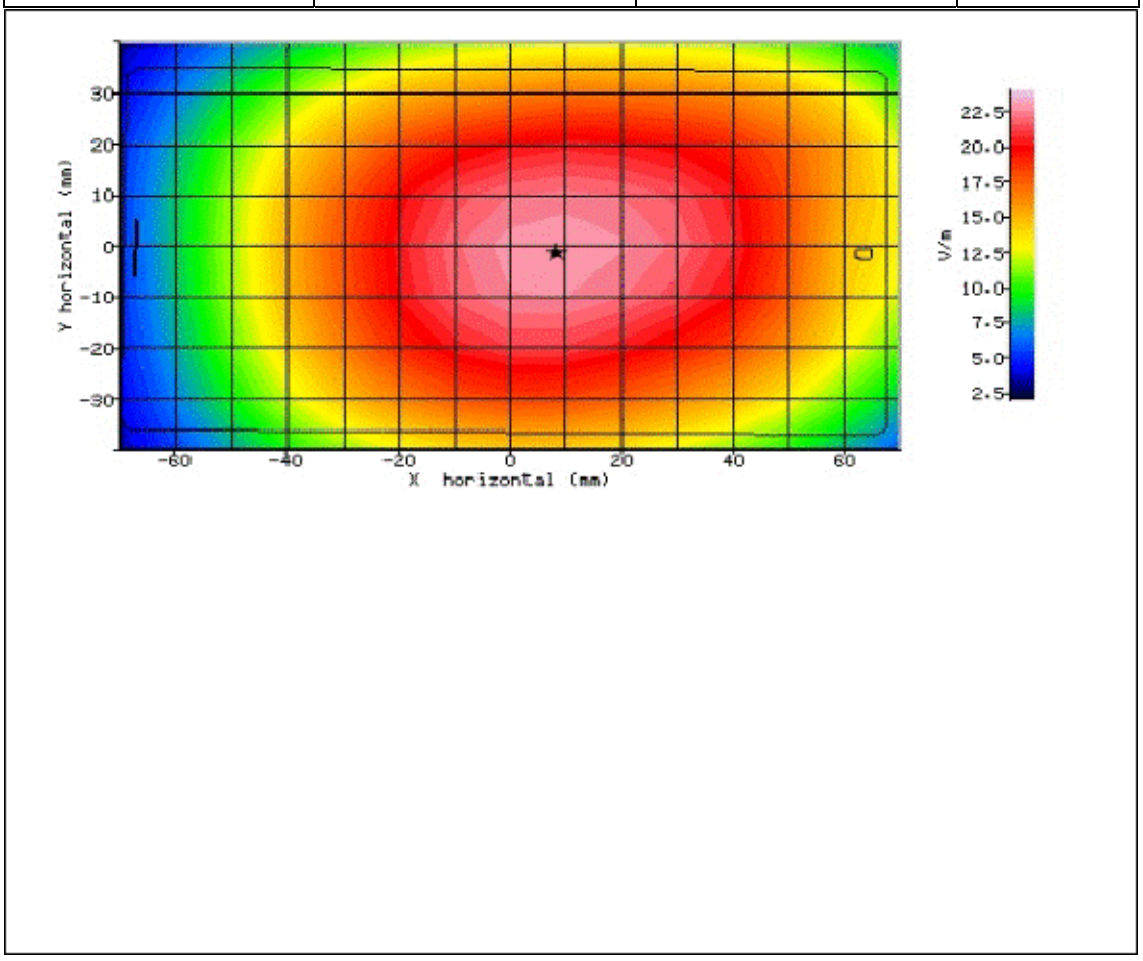

Figure 23: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-07:21:40	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	9.00mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-0.70mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	22.046
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.477 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.494 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.494 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	0.000 %

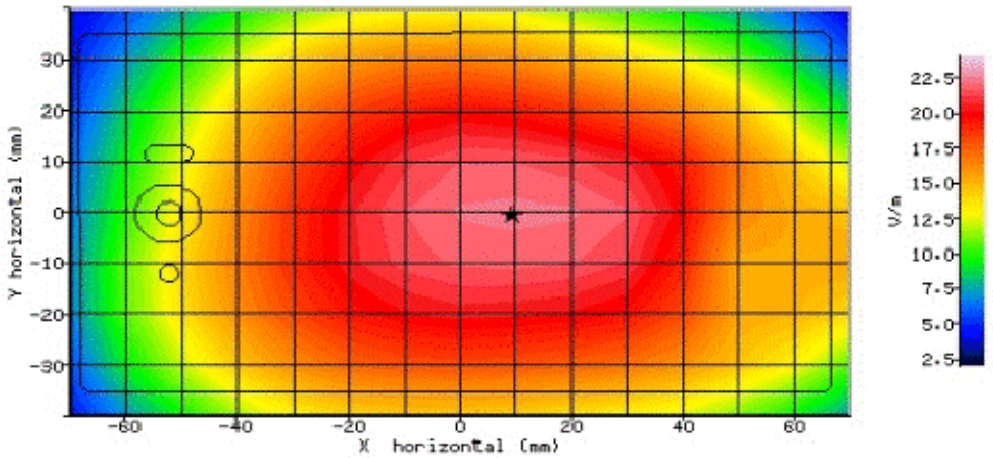

Figure 24: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-07:56:59	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-8.60mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-4.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.761
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.362 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.376 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.370 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-1.400 %

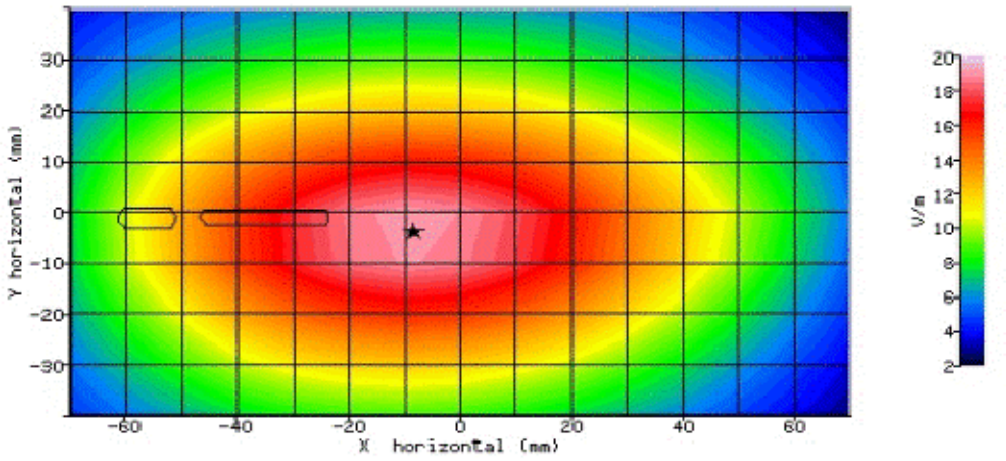

Figure 25: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-08:17:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-2.70mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-1.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.025
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.411 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.426 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.428 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	0.500 %

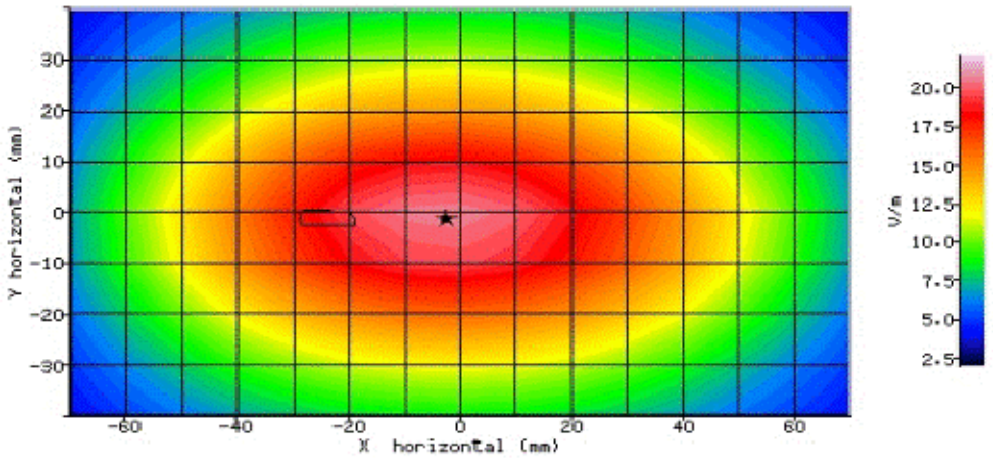

Figure 26: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-08:58:02	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.90mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	0.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.184
TEST FREQUENCY:	826.4MHz	SAR 1g:	0.099 W/kg
TYPE OF MODULATION:	QPSK (RMC Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.104 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.104 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-0.500 %

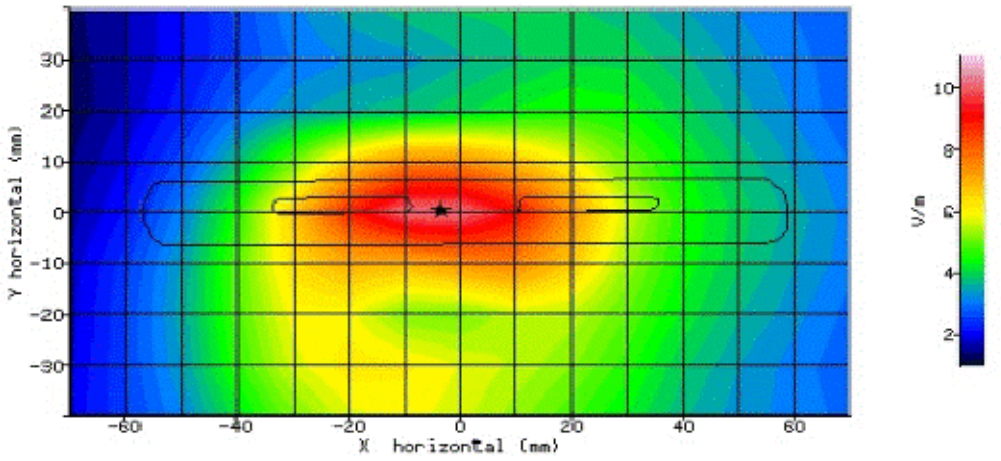

Figure 27: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 826.4MHz.

2.7 LTE FDD BAND 17 700MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-12:00:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	26.600mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	2.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.991
TEST FREQUENCY:	709.0MHz	SAR 1g:	0.391 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.412 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.405 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	-1.500 %

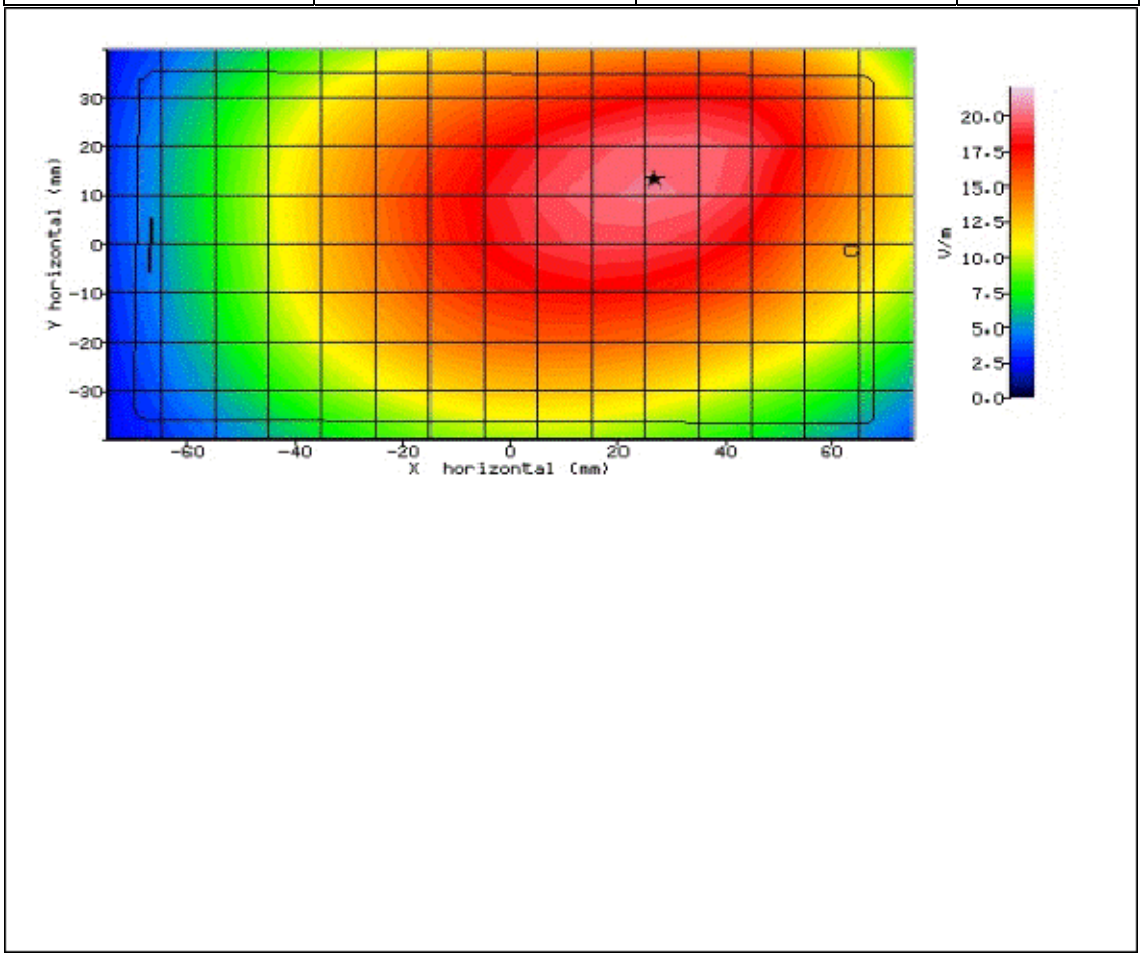

Figure 28: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 709.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-12:20:46	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	25.600mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-7.500mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	22.076
TEST FREQUENCY:	709.0MHz	SAR 1g:	0.460 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.479 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.481 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	0.500 %

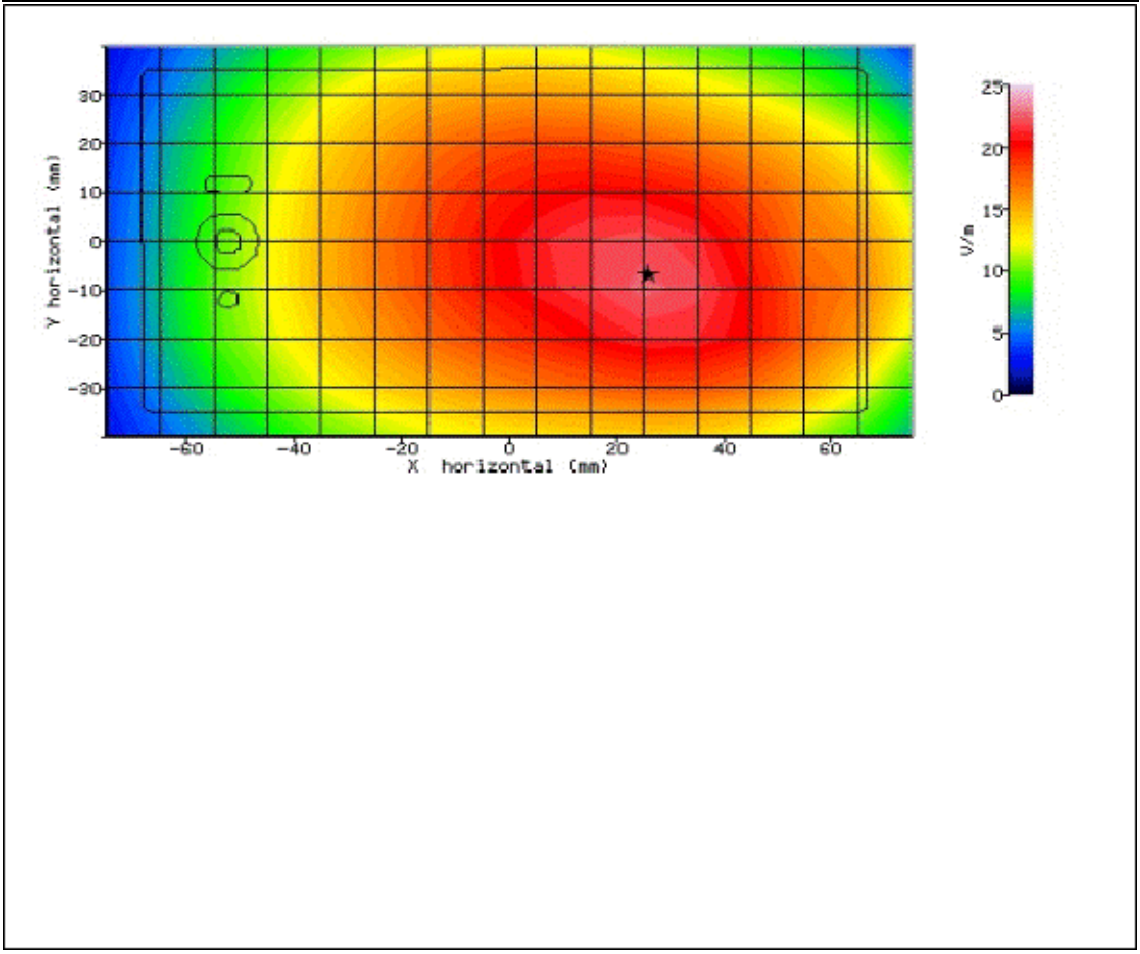

Figure 29: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 709.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-12:53:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	8.200mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-3.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.187
TEST FREQUENCY:	709.0MHz	SAR 1g:	0.259 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.281 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.274 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	-2.700 %

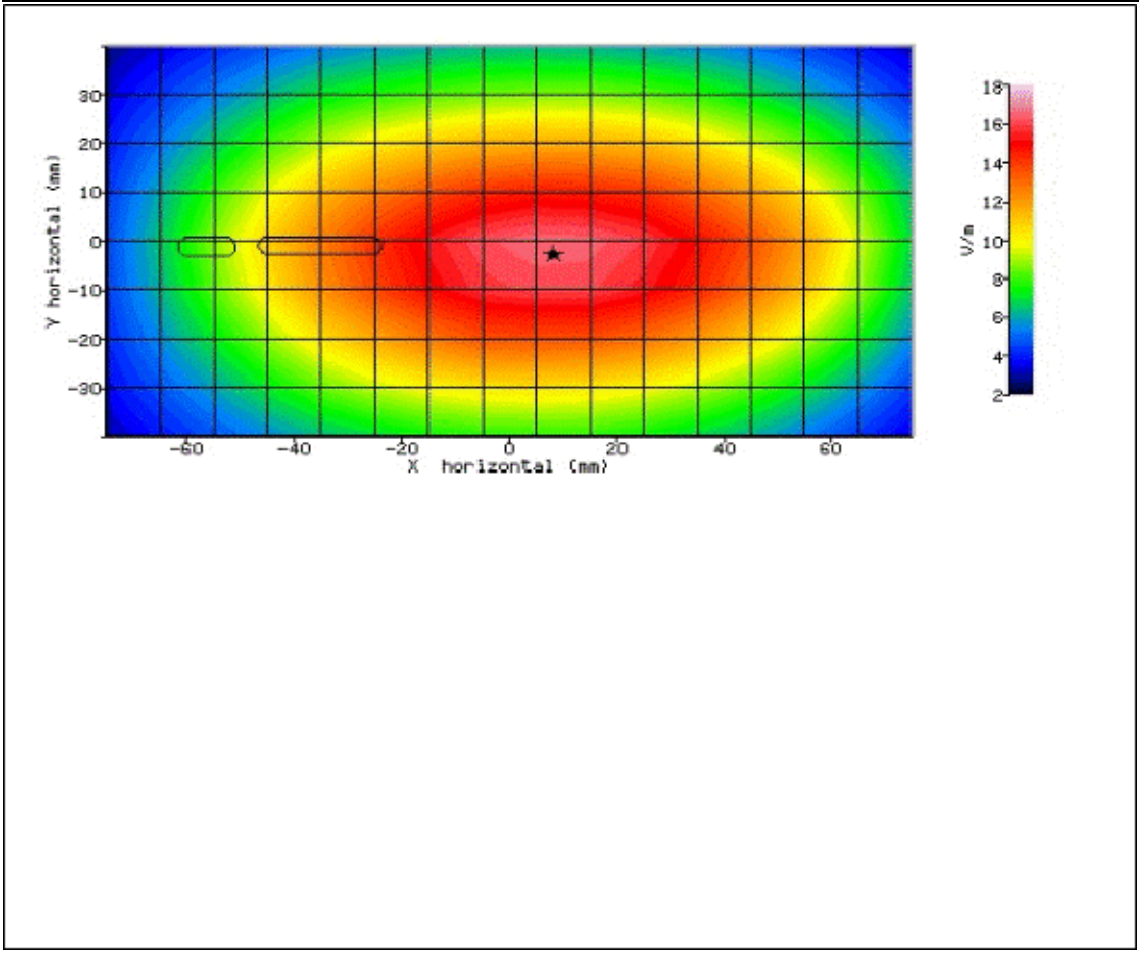

Figure 30: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 709.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-13:12:26	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	9.500mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	0.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.262
TEST FREQUENCY:	709.0MHz	SAR 1g:	0.230 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.244 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.243 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	-0.500 %

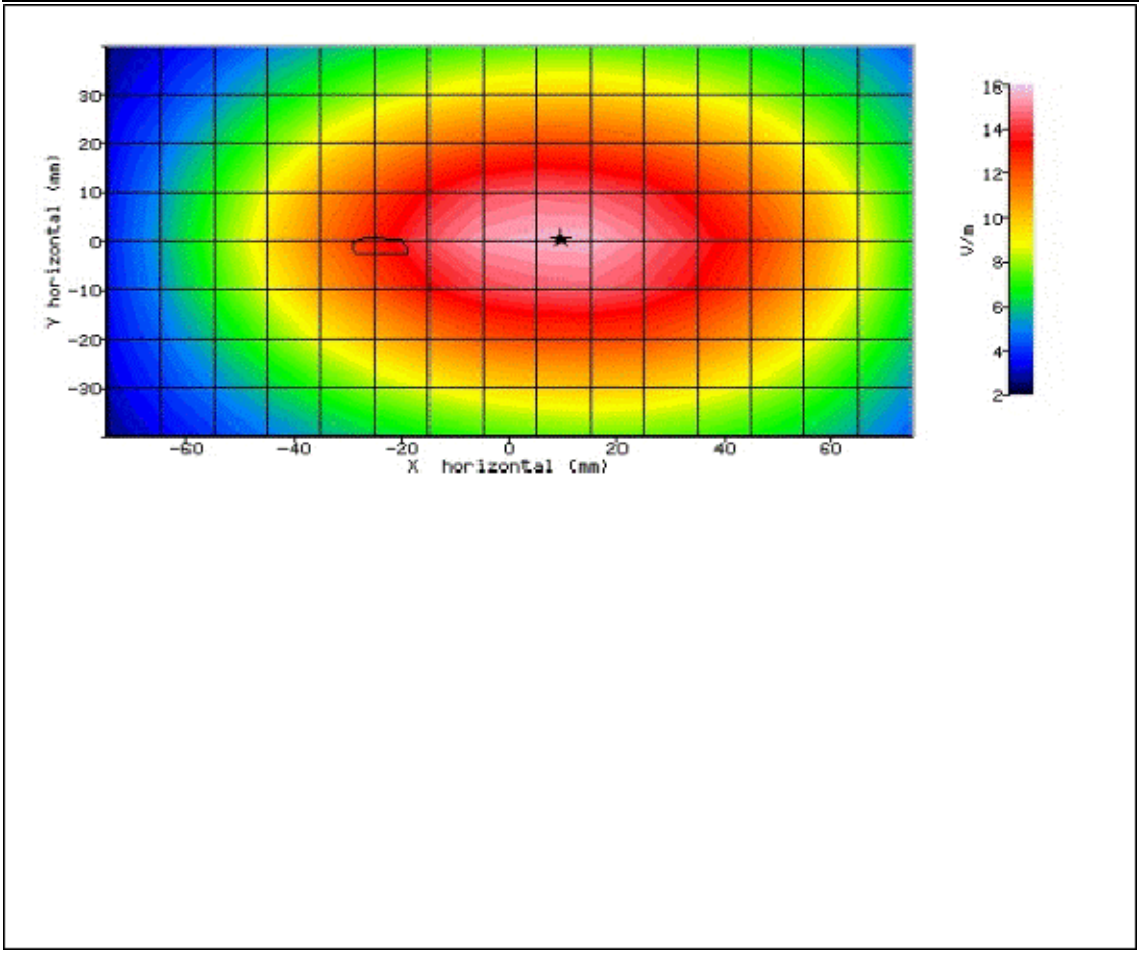

Figure 31: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 709.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-13:50:29	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-0.700mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	-0.700mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	7.318
TEST FREQUENCY:	709.0MHz	SAR 1g:	0.059 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.062 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.062 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	0.200 %

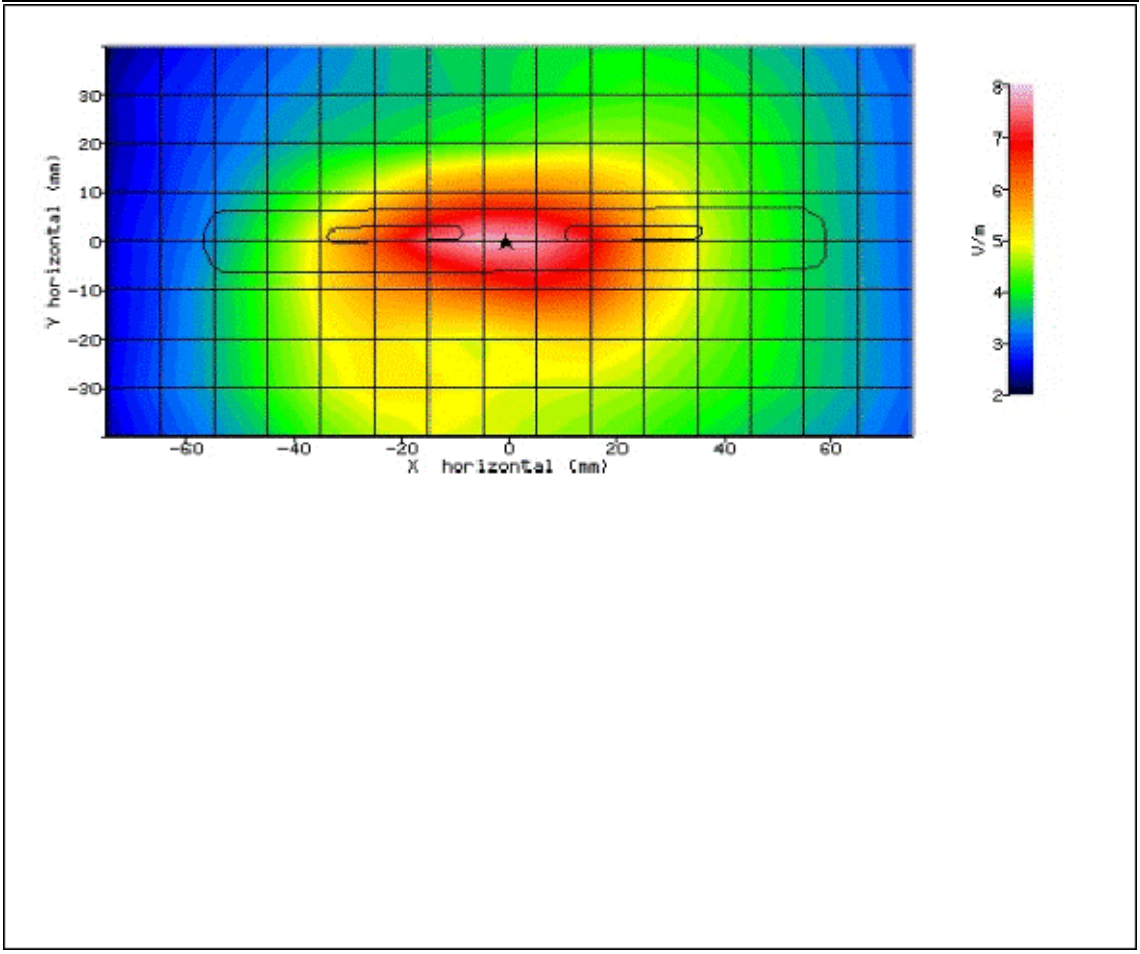

Figure 32: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 709.0MHz.

Product Service

2.8 LTE FDD BAND 17 700MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-16:45:46	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	28.500mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	11.600mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.400
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.292 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.306 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.310 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	1.300 %

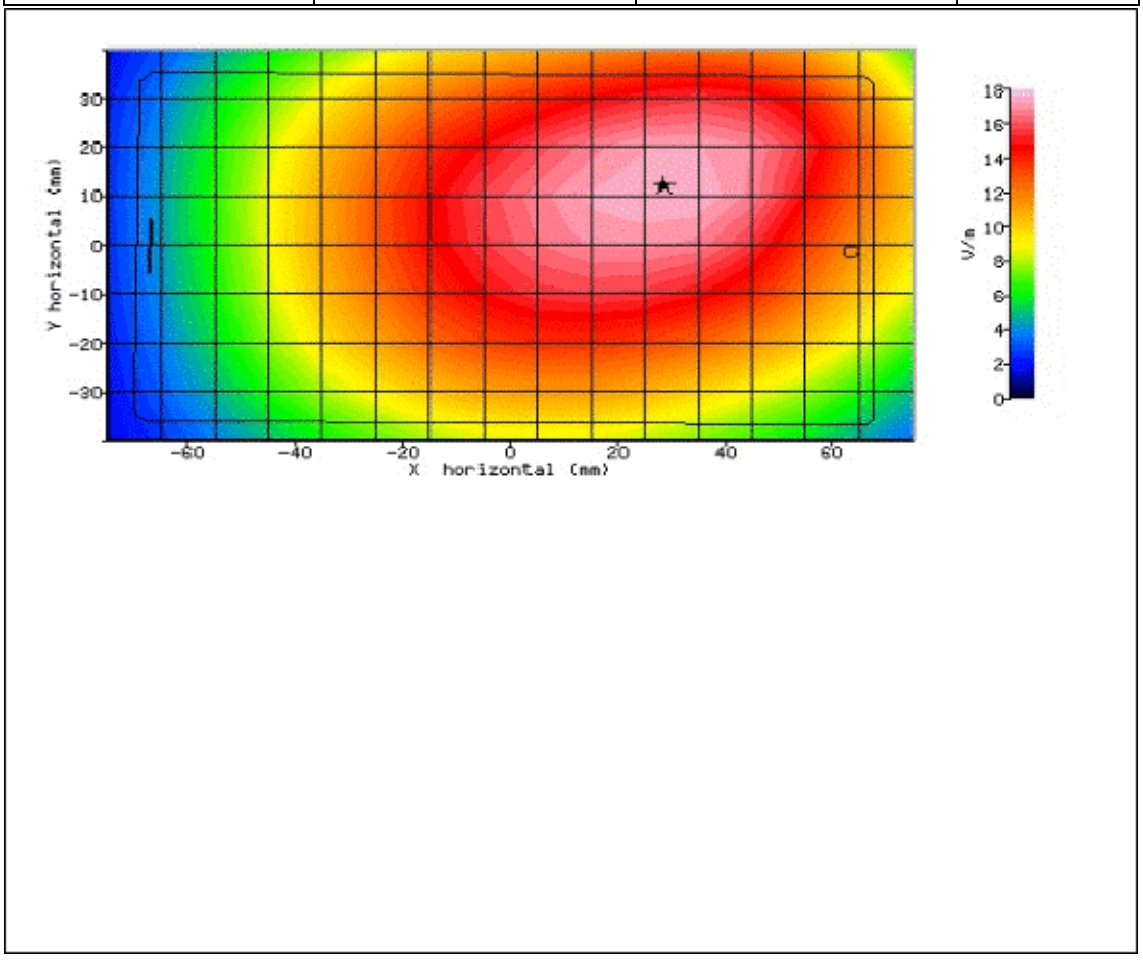

Figure 33: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 711.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-16:27:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	23.900mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-6.600mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.054
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.352 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.369 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.376 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	2.000 %

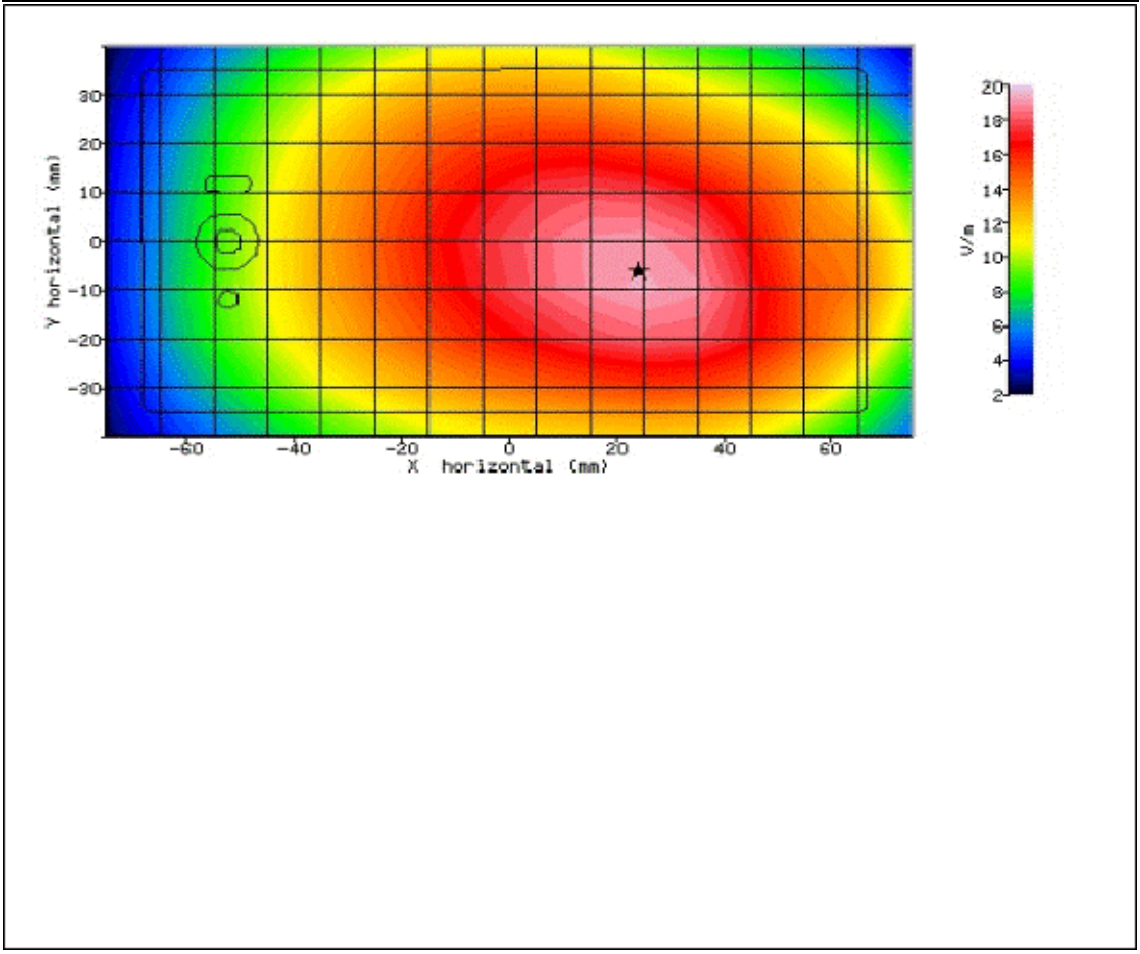

Figure 34: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 711.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-15:40:09	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	6.400mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-2.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.306
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.202 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.214 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.215 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	0.400 %

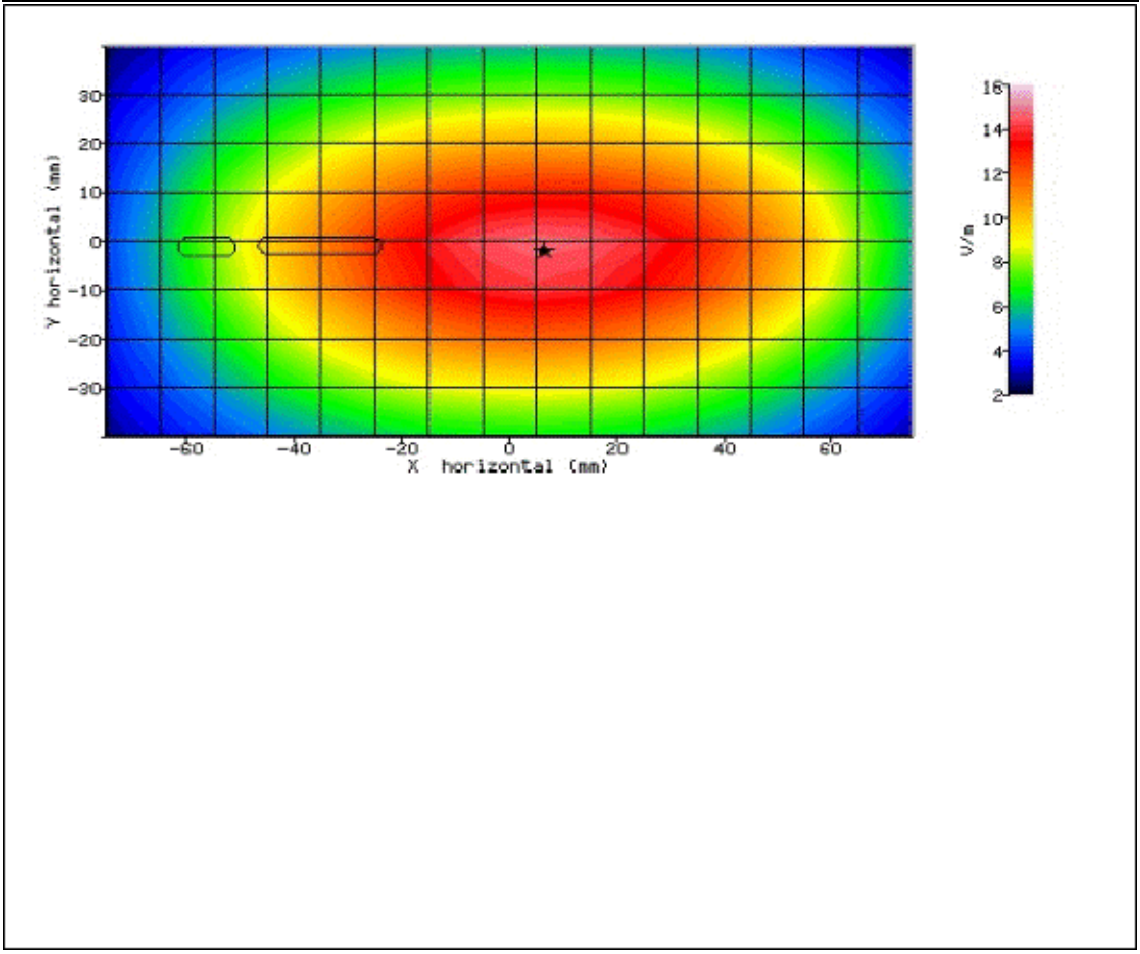

Figure 35: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 711.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-15:21:13	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	5.600mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	0.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.319
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.175 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.186 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.186 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	-0.200 %

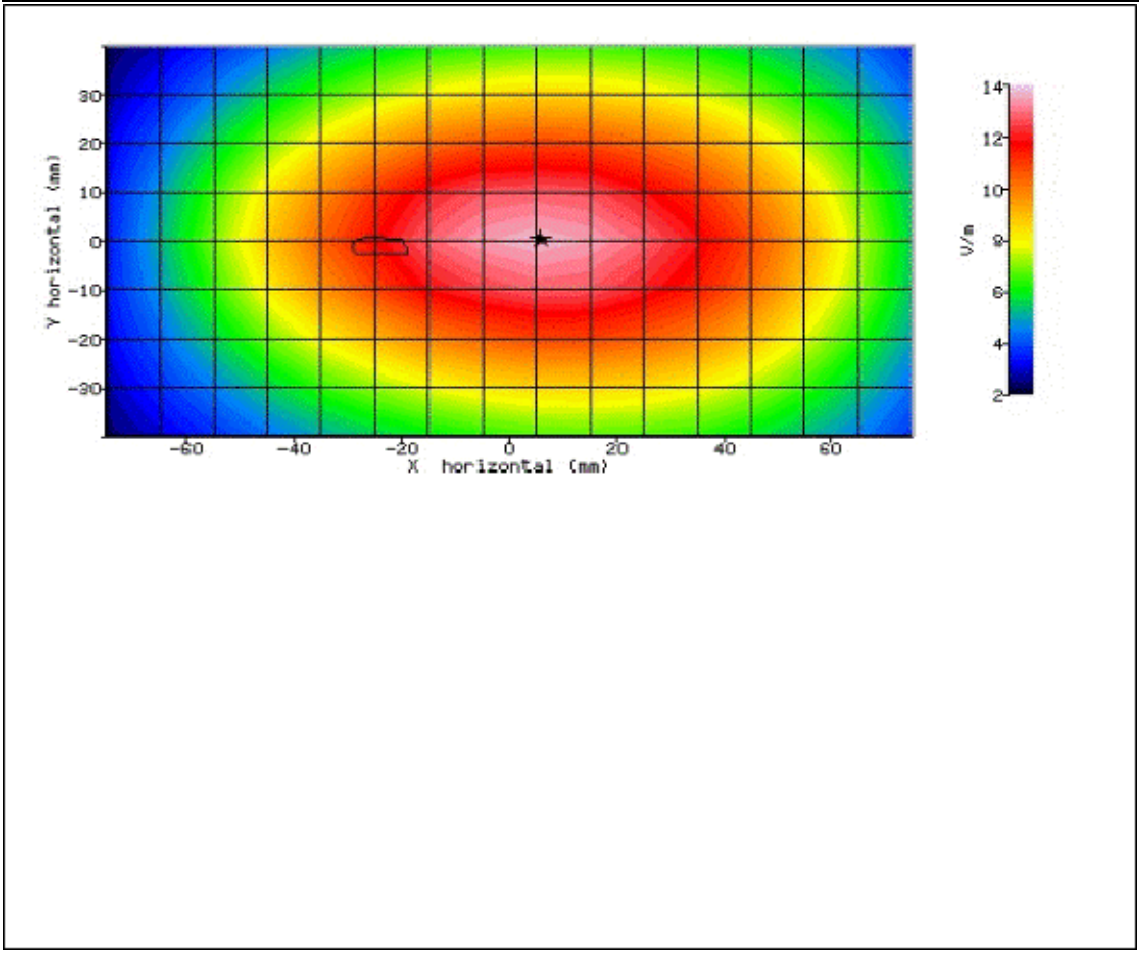

Figure 36: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 711.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	28/04/2015-14:17:52	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	700
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.12
RELATIVE HUMIDITY:	25.60%	CONDUCTIVITY:	0.990
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-0.500mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	-0.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	6.364
TEST FREQUENCY:	711.0MHz	SAR 1g:	0.044 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.047 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.046 W/kg
PROBE BATTERY LAST CHANGED:	28/04/2015	SAR DRIFT DURING SCAN:	-0.700 %

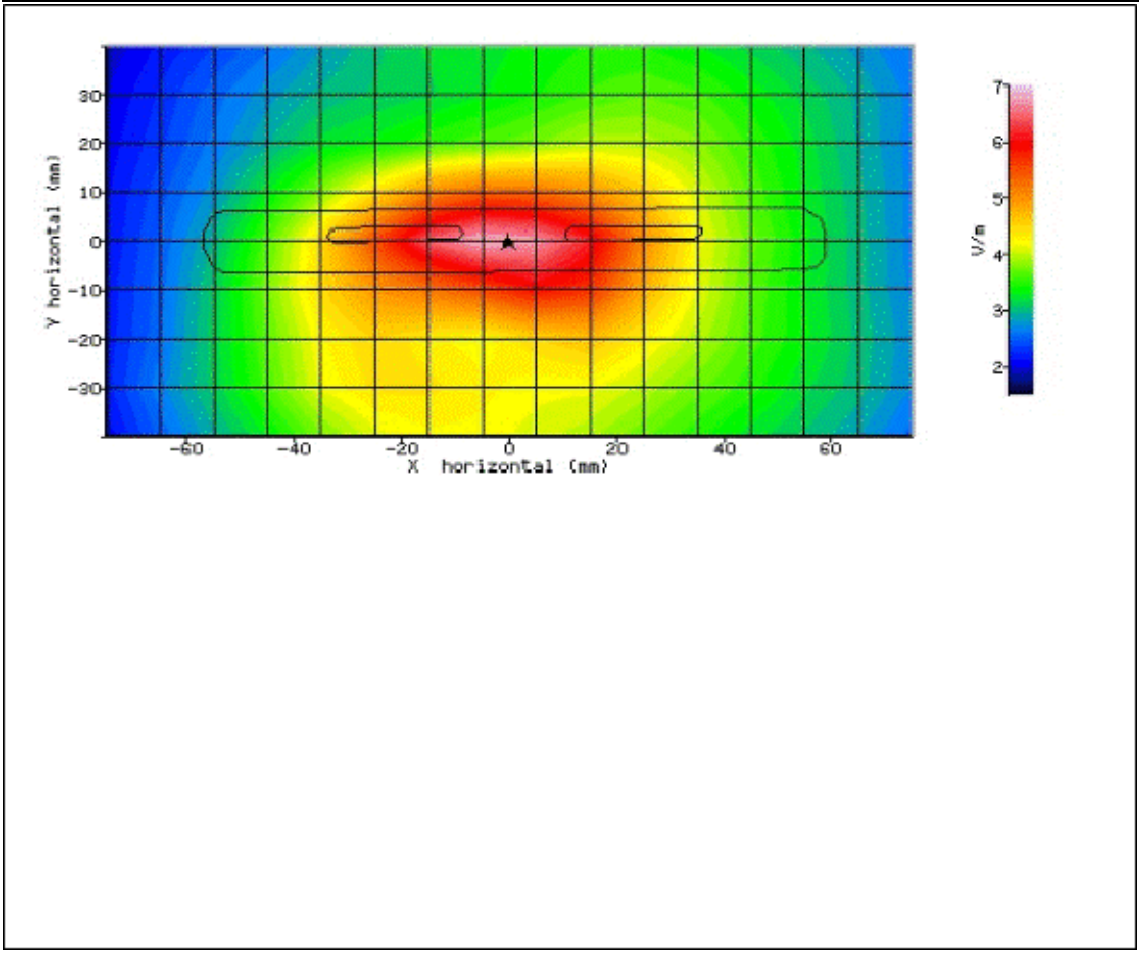

Figure 37: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 711.0MHz.

Product Service

2.9 LTE FDD BAND 5 850MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-10:42:13	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	14.900mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-0.500mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	21.902
TEST FREQUENCY:	836.5MHz	SAR 1g:	0.481 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.486 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.475 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-2.200 %

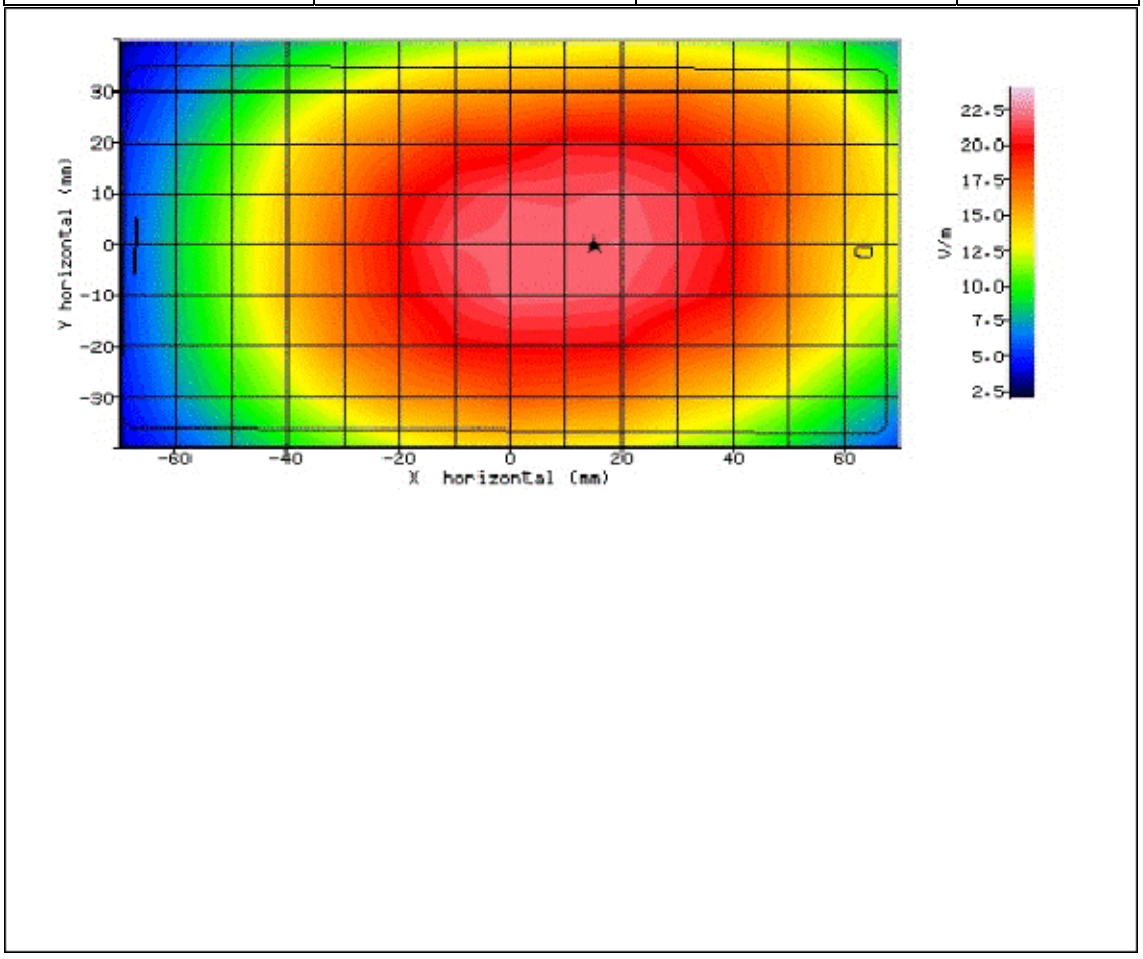

Figure 38: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 836.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-11:02:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	21.400mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-5.600mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	22.101
TEST FREQUENCY:	836.5MHz	SAR 1g:	0.493 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.520 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.498 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-4.100 %

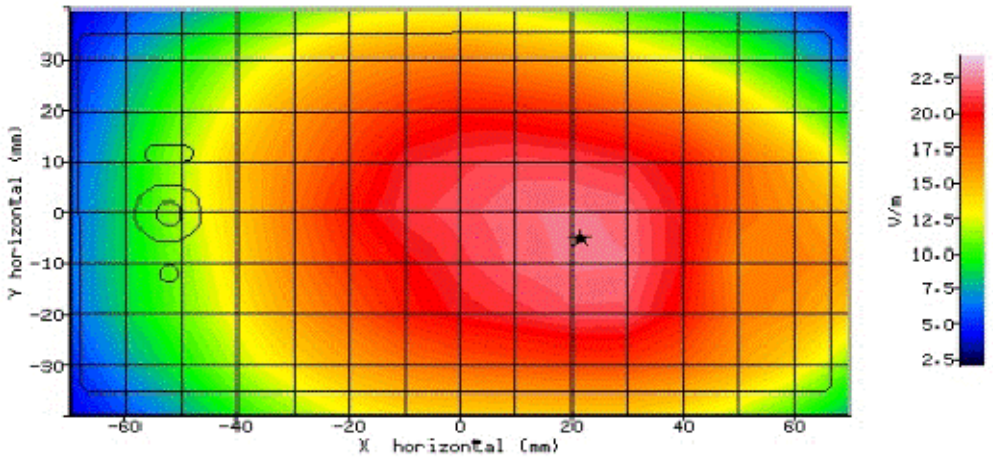

Figure 39: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 836.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-12:09:20	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-5.300mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-4.200mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.173
TEST FREQUENCY:	836.5MHz	SAR 1g:	0.304 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.314 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.332 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	5.600 %

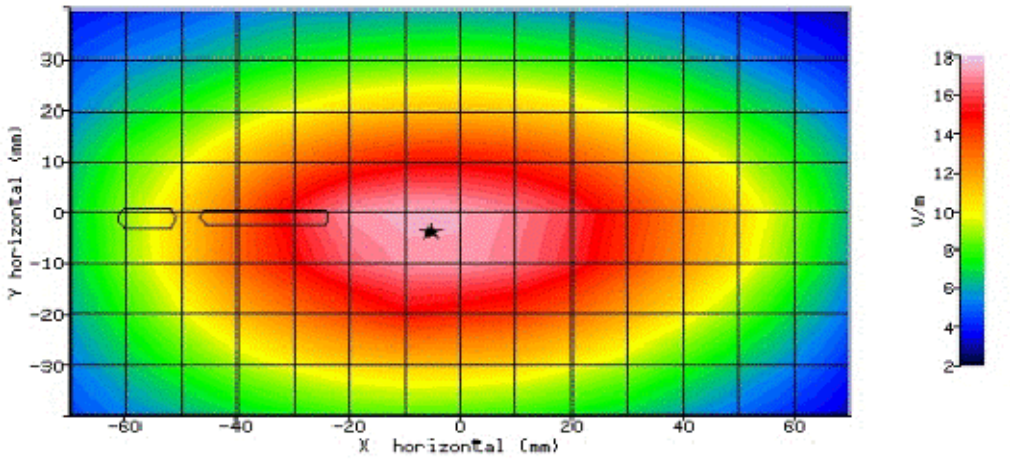

Figure 40: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 836.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-12:28:26	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-6.300mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-0.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.435
TEST FREQUENCY:	836.5MHz	SAR 1g:	0.432 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.426 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.425 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-0.200 %

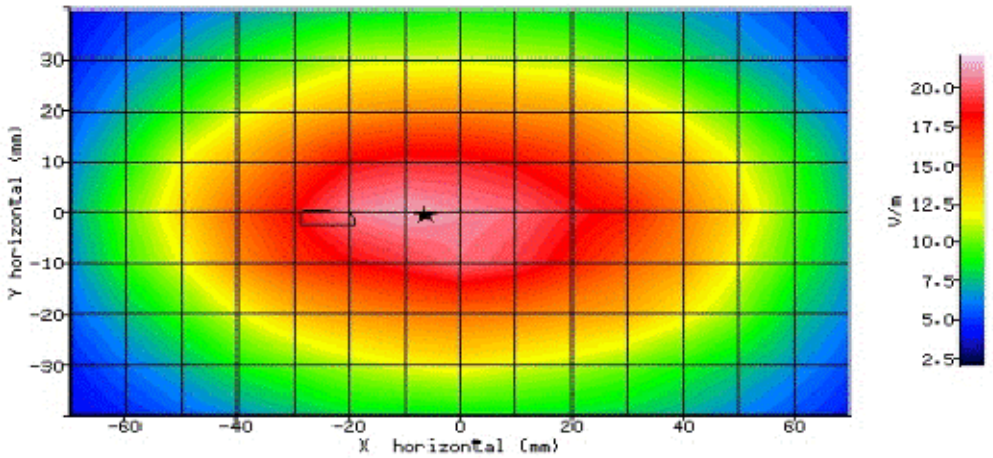

Figure 41: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 836.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-13:00:55	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.50°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	26.70%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.000mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	0.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.181
TEST FREQUENCY:	836.5MHz	SAR 1g:	0.098 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.105 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.102 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-2.300 %

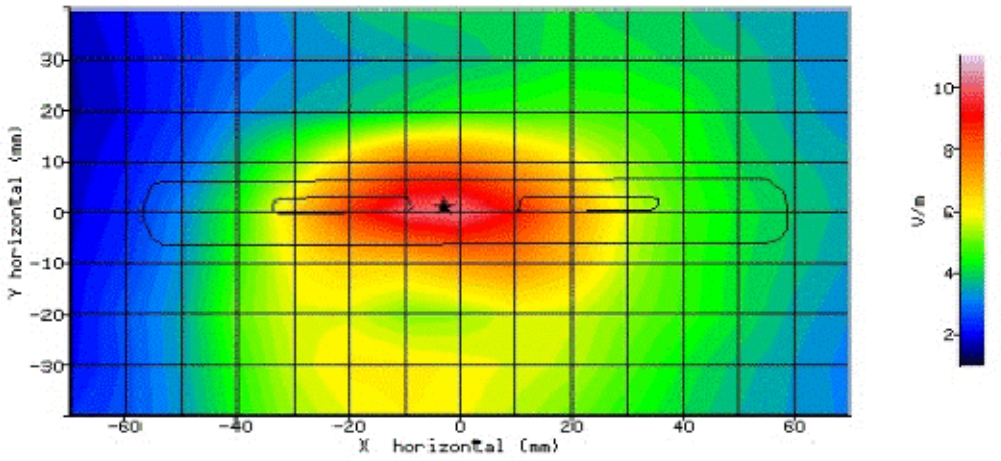

Figure 42: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 836.5MHz

2.10 LTE FDD BAND 5 850MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-15:40:54	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	29.20%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	16.900mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-0.020mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.603
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.337 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.351 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.344 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-2.000 %

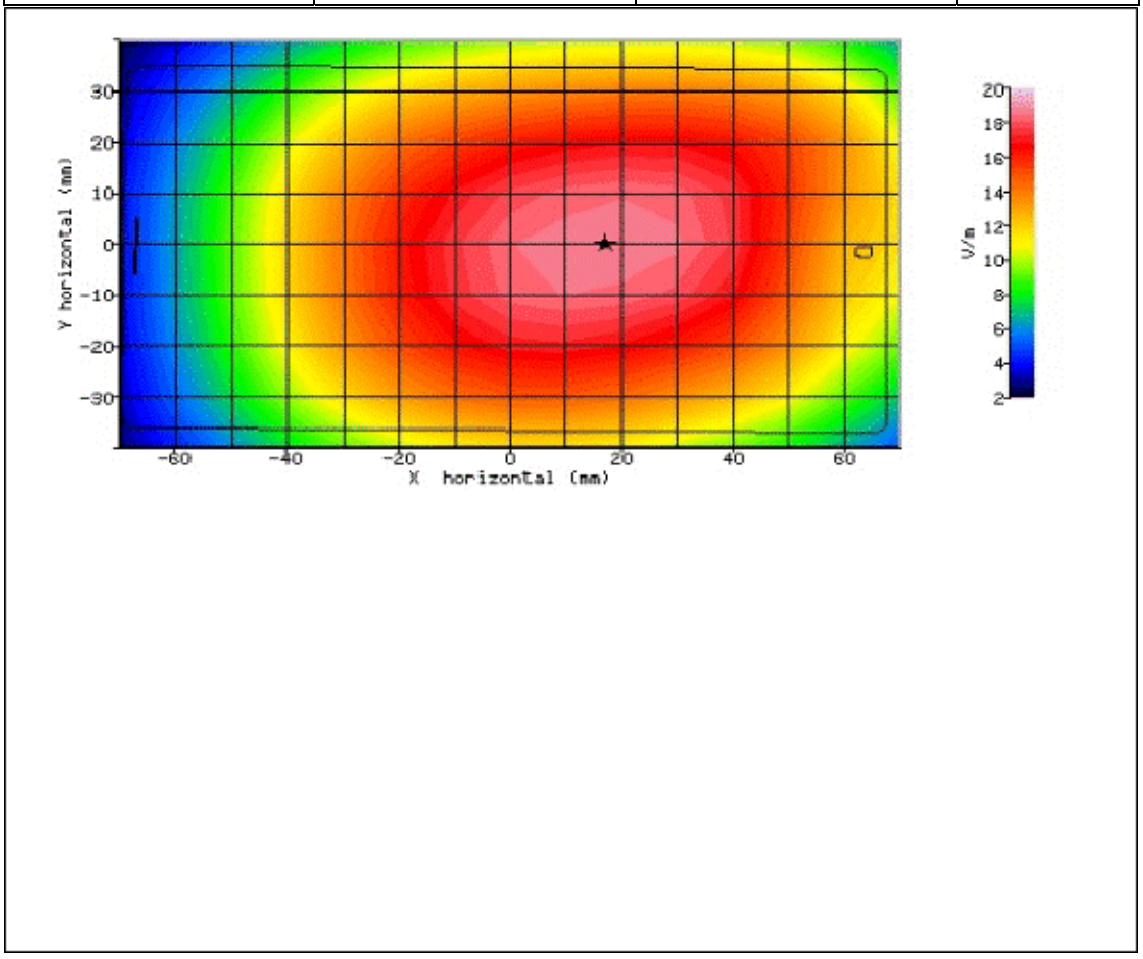

Figure 43: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 829.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-15:19:08	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	29.20%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	26.600mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-5.900mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.943
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.355 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.369 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.370 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	0.300 %

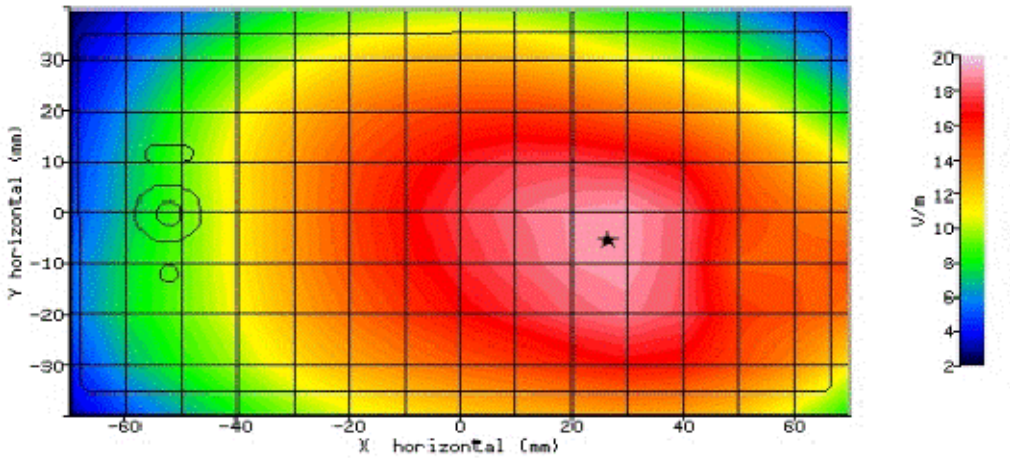

Figure 44: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 829.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-14:46:30	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	29.20%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-4.400mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-5.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.187
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.209 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.216 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.211 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-2.400 %

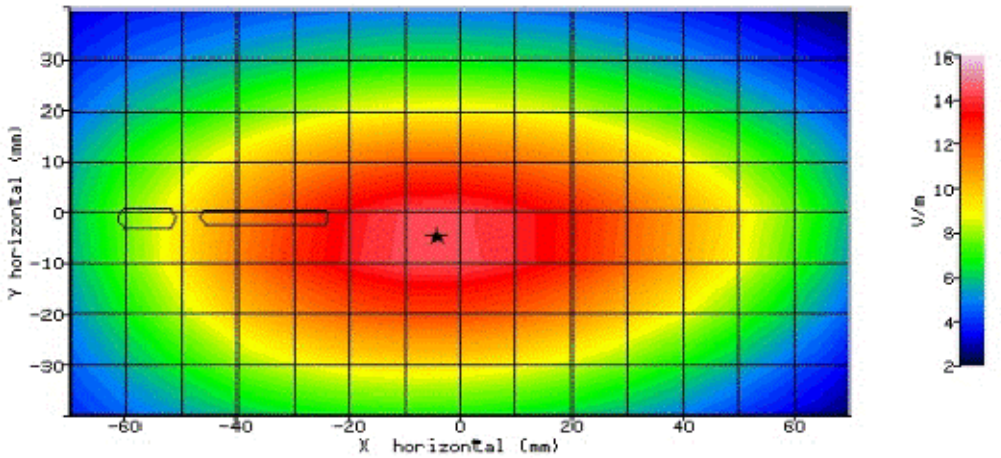

Figure 45: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 829.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-14:04:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	29.20%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-0.300mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-2.200mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.395
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.274 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.284 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.284 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	0.100 %

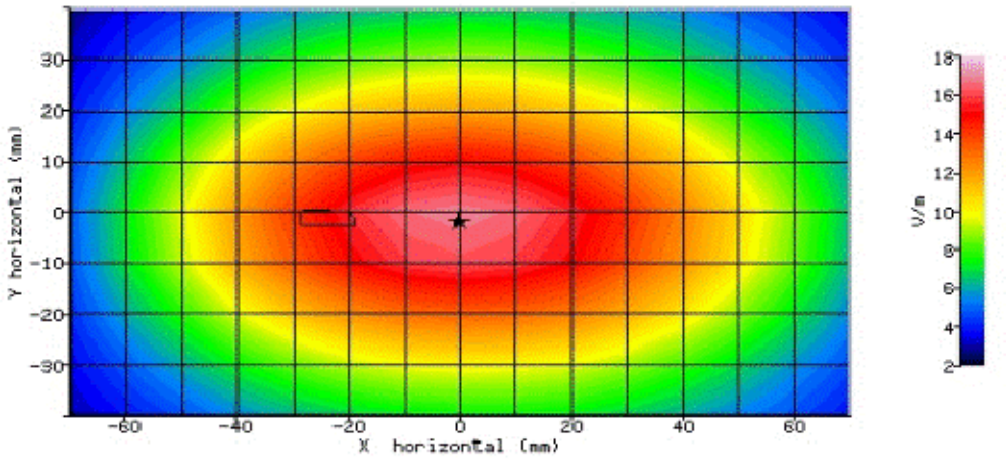

Figure 46: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 829.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-13:44:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	29.20%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.500mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	0.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	7.829
TEST FREQUENCY:	829.0MHz	SAR 1g:	0.073 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.076 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.076 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-1.100 %

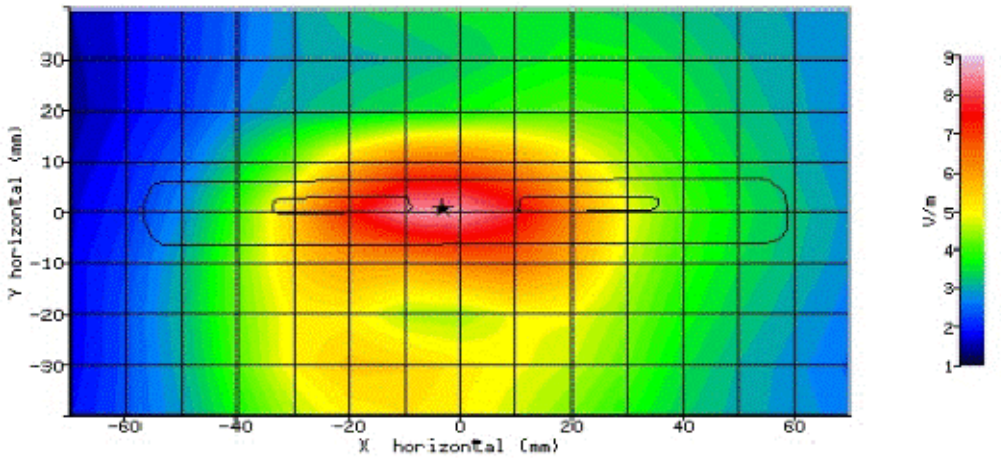

Figure 47: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 829.0MHz.

Product Service

2.11 LTE FDD BAND 26 850MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	23/04/2015-16:30:25	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	10.200mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	0.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.747
TEST FREQUENCY:	821.5MHz	SAR 1g:	0.420 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.436 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.412 W/kg
PROBE BATTERY LAST CHANGED:	23/04/2015	SAR DRIFT DURING SCAN:	-5.400 %

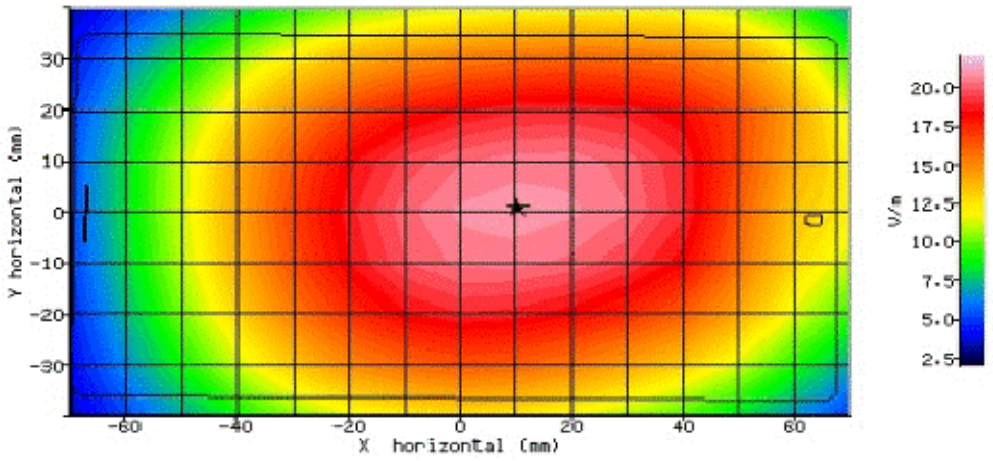

Figure 48: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 821.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-07:00:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	21.700mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-1.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.263
TEST FREQUENCY:	821.5MHz	SAR 1g:	0.409 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.424 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.387 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-8.600 %

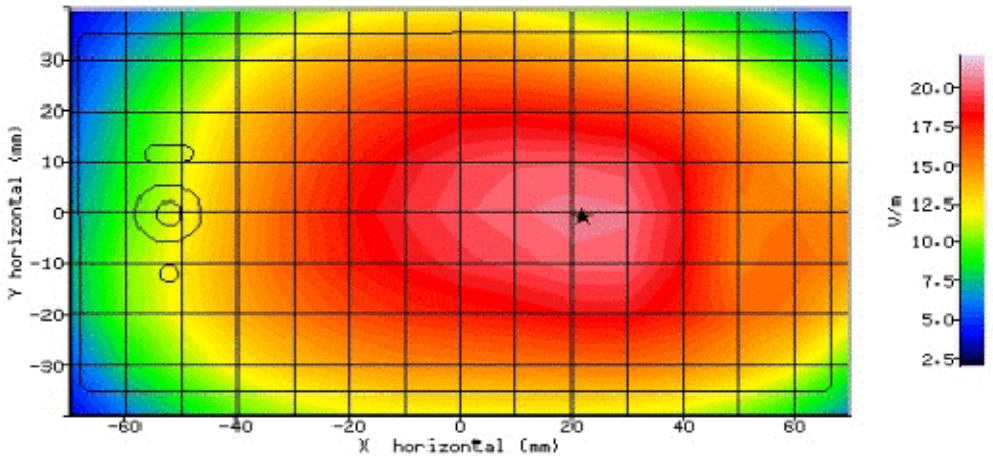

Figure 49: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 821.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-07:20:13	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-9.900mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	-0.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.665
TEST FREQUENCY:	821.5MHz	SAR 1g:	0.251 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.263 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.265 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	0.700 %

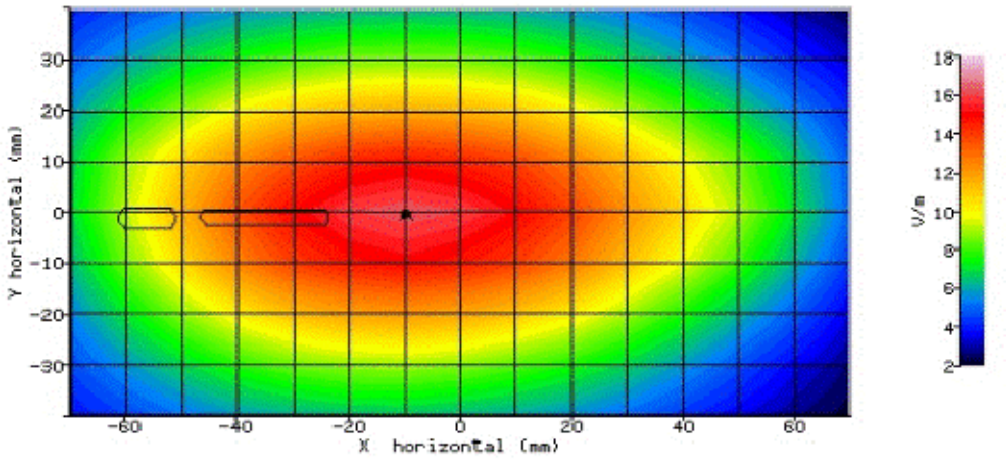

Figure 50: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 821.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-08:33:37	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-4.300mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	3.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.593
TEST FREQUENCY:	821.5MHz	SAR 1g:	0.319 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.329 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.327 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-0.600 %

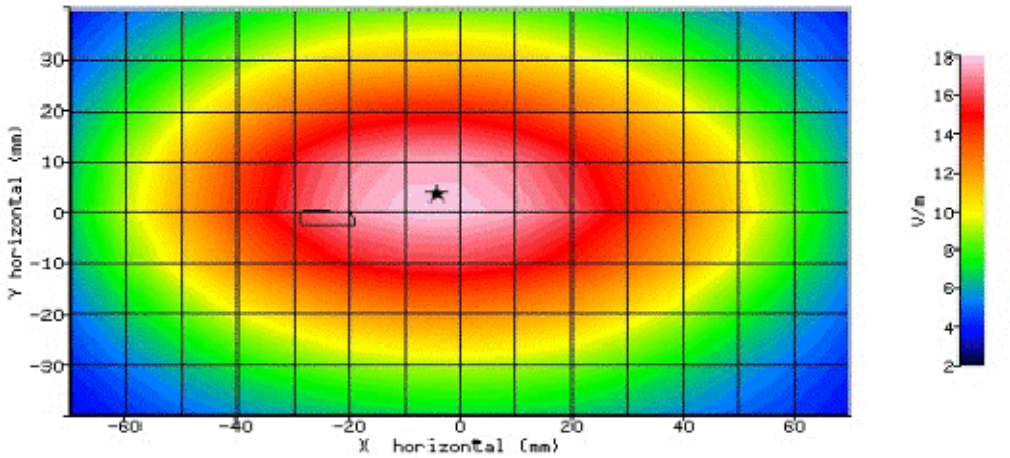

Figure 51: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 821.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-09:13:29	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.200mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	4.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.536
TEST FREQUENCY:	821.5MHz	SAR 1g:	0.088 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.092 W/kg
INPUT POWER LEVEL:	24.2dBm	SAR END:	0.091 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-1.400 %

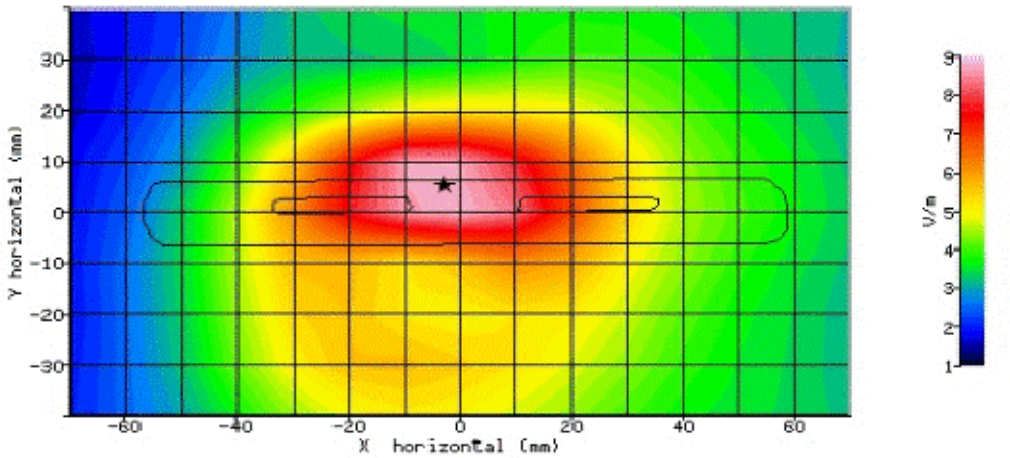

Figure 52: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 821.5MHz LTE Band 26 850MHZ Body SAR Test Results and Course Area Scans – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-12:06:59	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	11.900mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	0.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.027
TEST FREQUENCY:	841.5MHz	SAR 1g:	0.349 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.362 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.357 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-1.300 %

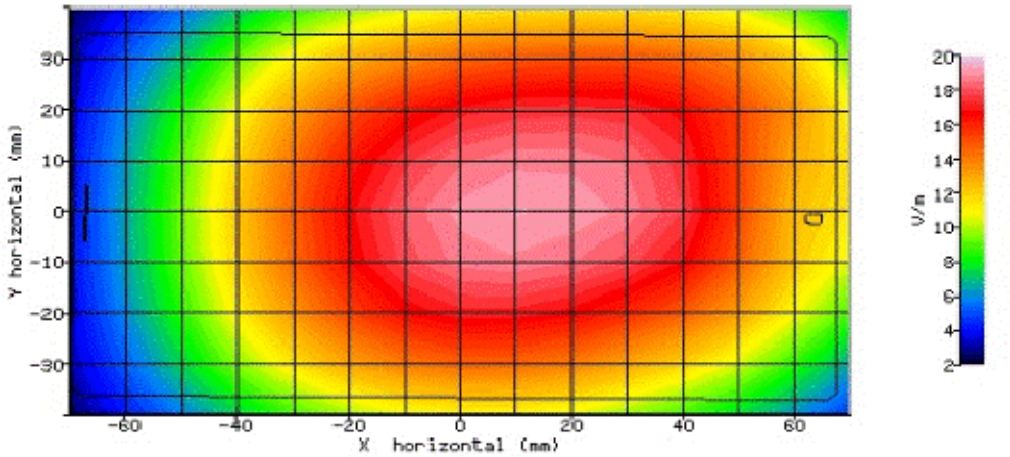

Figure 53: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 841.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-11:32:23	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	22.700mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-0.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.224
TEST FREQUENCY:	841.5MHz	SAR 1g:	0.369 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.382 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.377 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-1.200 %

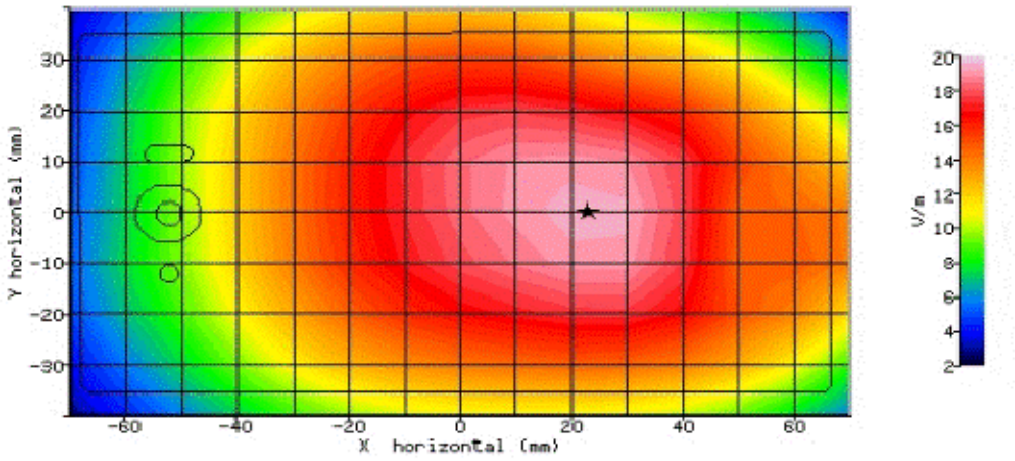

Figure 54: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 841.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-11:10:05	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-0.700mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	2.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.833
TEST FREQUENCY:	841.5MHz	SAR 1g:	0.226 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.234 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.229 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-2.500 %

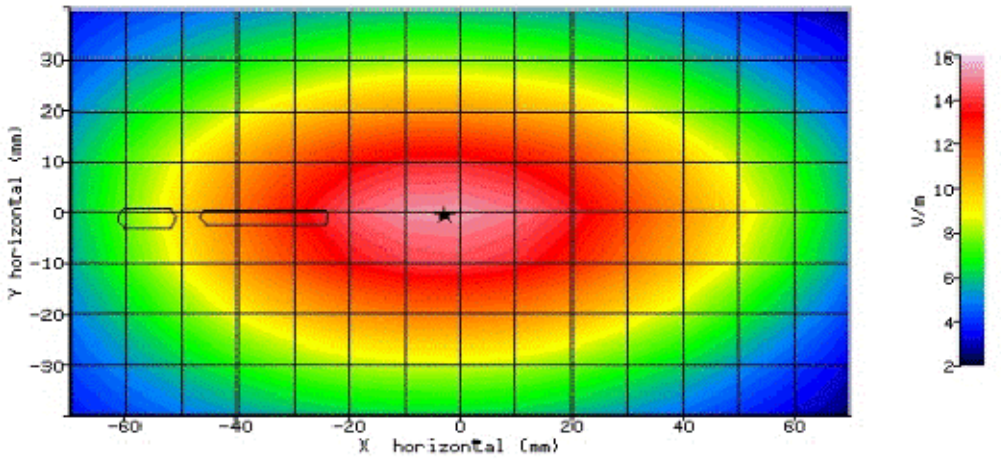

Figure 55: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 841.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-10:06:13	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-3.200mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	3.200mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.374
TEST FREQUENCY:	841.5MHz	SAR 1g:	0.310 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.320 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.318 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	-0.700 %

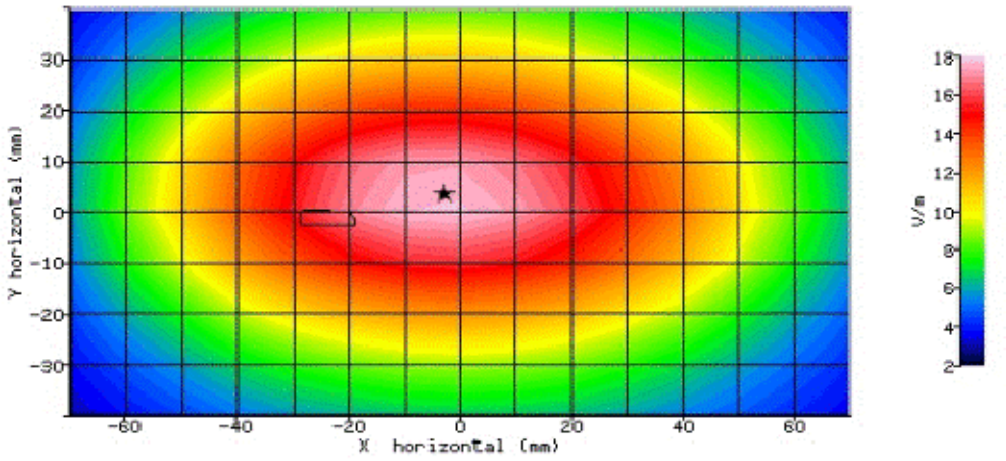

Figure 56: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 841.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	24/04/2015-09:46:46	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.20°C	LIQUID SIMULANT:	850
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	55.08
RELATIVE HUMIDITY:	33.30%	CONDUCTIVITY:	0.997
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-2.200mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	4.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.000
TEST FREQUENCY:	841.5MHz	SAR 1g:	0.078 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.082 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.082 W/kg
PROBE BATTERY LAST CHANGED:	24/04/2015	SAR DRIFT DURING SCAN:	0.400 %

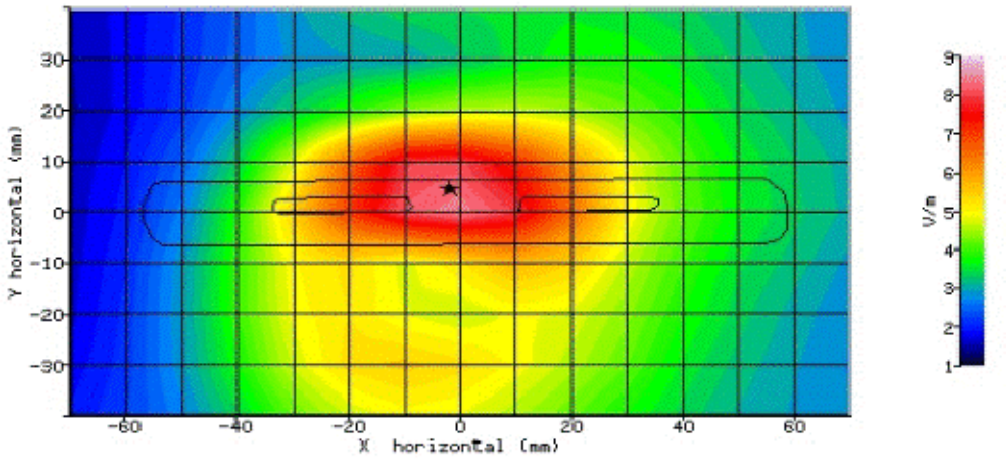

Figure 57: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 841.5MHz.

2.12 LTE TDD BAND 41 2600MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	17/06/2015-08:11:07	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.50°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	48.90%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	60.000mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-2.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.318
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.35 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.348 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.343 W/kg
PROBE BATTERY LAST CHANGED:	17/06/2015	SAR DRIFT DURING SCAN:	-1.400 %

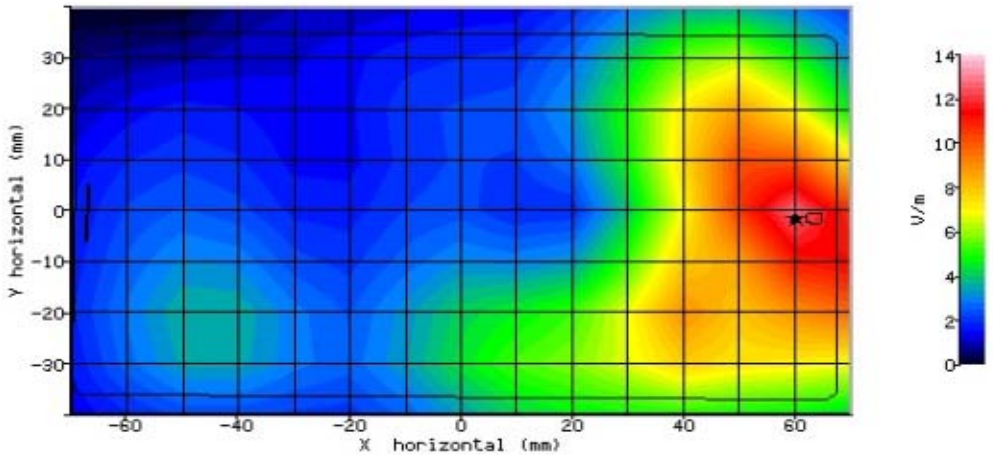

Figure 58: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	17/06/2015-07:47:42	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.50°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	48.90%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	62.900mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	4.500mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.260
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.71 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.746 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.726 W/kg
PROBE BATTERY LAST CHANGED:	17/06/2015	SAR DRIFT DURING SCAN:	-2.700 %

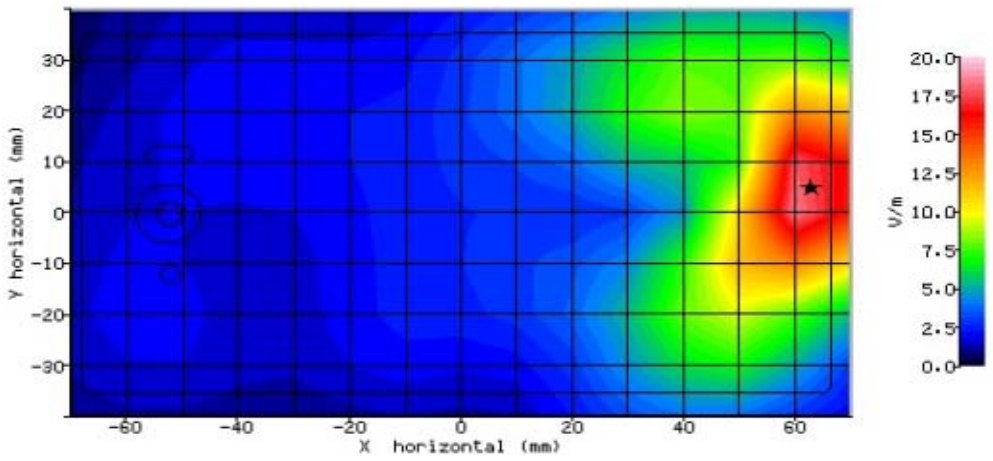

Figure 59: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-09:18:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	67.900mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	3.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.296
TEST FREQUENCY:	2680.0MHz	SAR 1g:	0.67 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.649 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.629 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-3.100 %

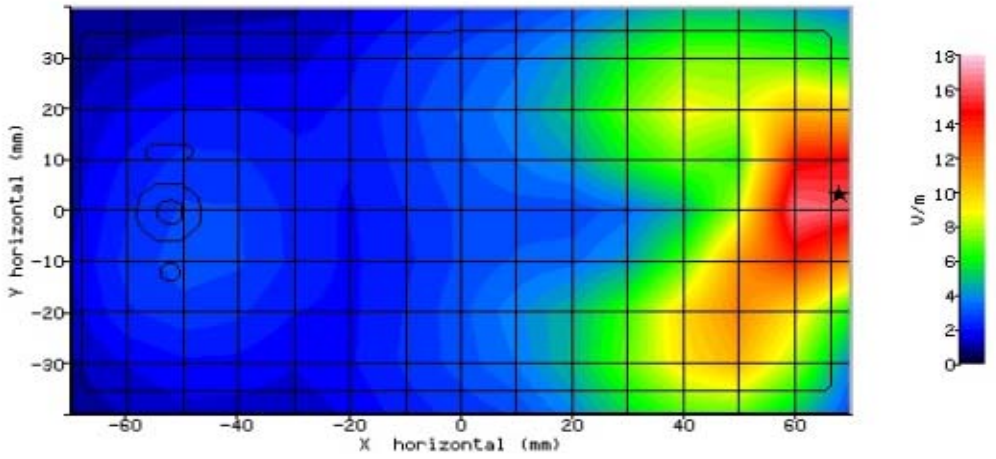

Figure 60: SAR Body Testing Results for the SHV32 Mobile Handset at 2680.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-09:42:00	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.500mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	0.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.212
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.58 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.610 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.597 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-6.800 %

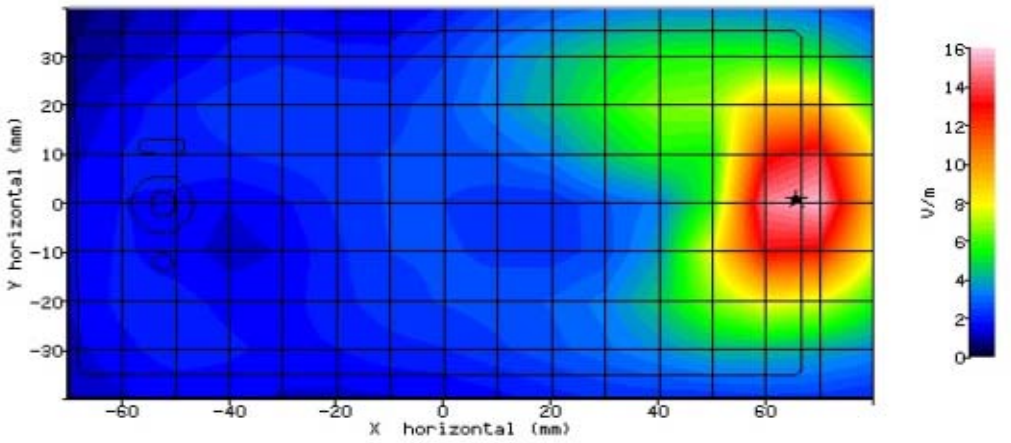

Figure 61: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-09:59:30	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.500mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	2.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.501
TEST FREQUENCY:	2549.5MHz	SAR 1g:	0.70 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.732 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.725 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-1.000 %

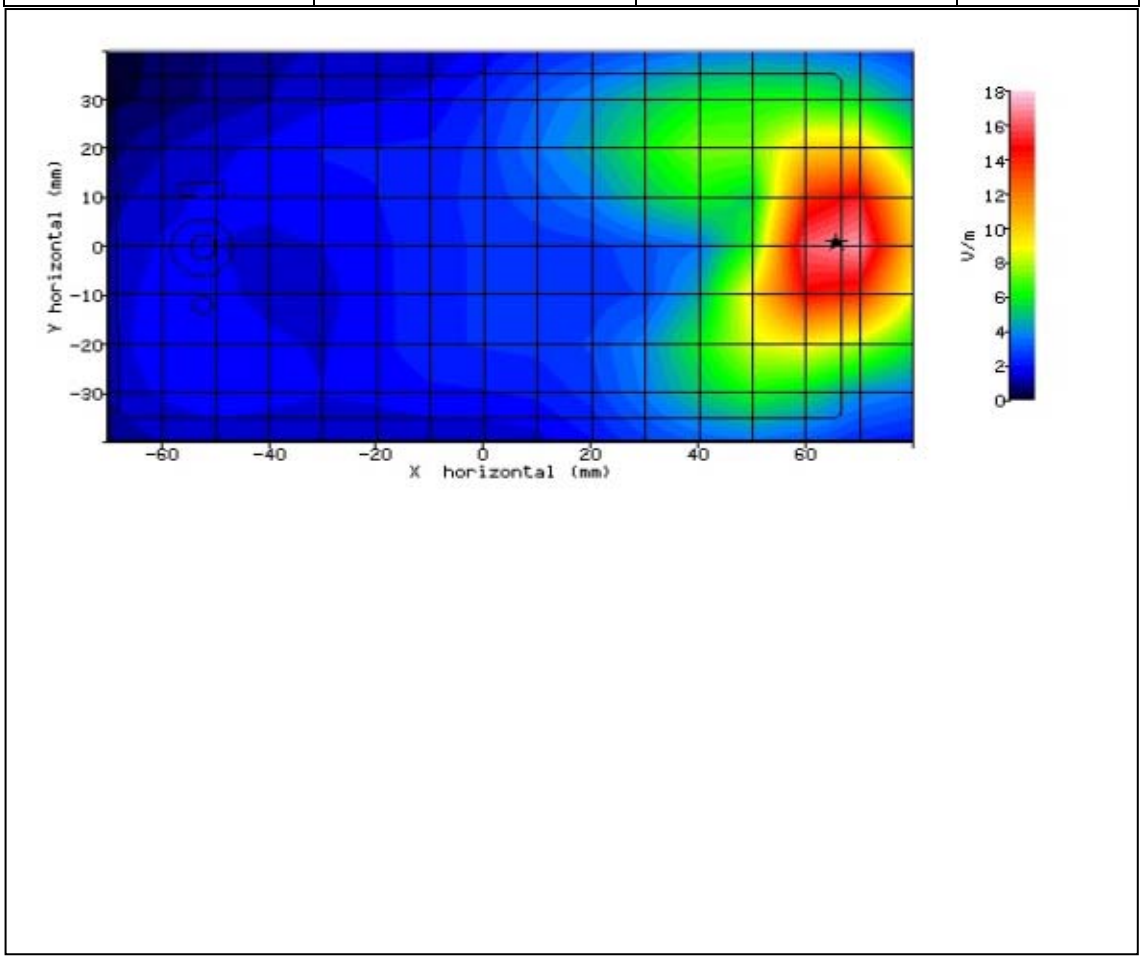

Figure 62: SAR Body Testing Results for the SHV32 Mobile Handset at 2549.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-10:16:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.200mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	1.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.400
TEST FREQUENCY:	2636.5MHz	SAR 1g:	0.69 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.721 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.717 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-0.600 %

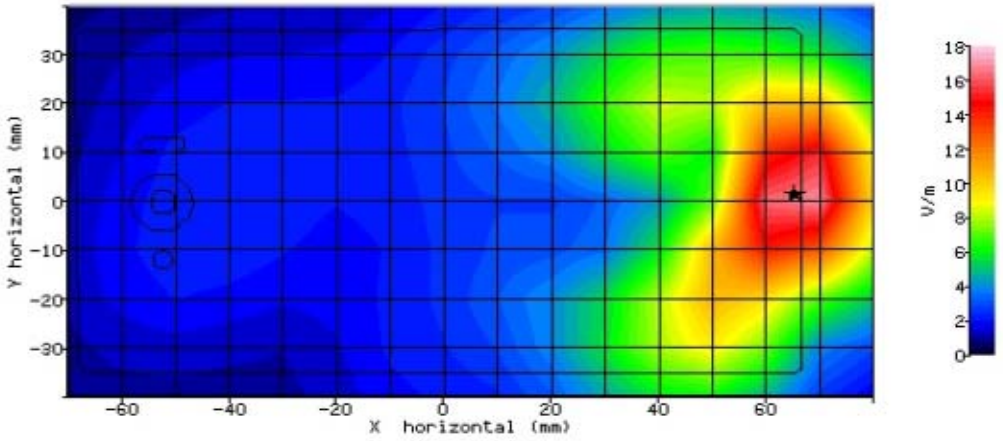

Figure 63: SAR Body Testing Results for the SHV32 Mobile Handset at 2636.5MHz.

No Measured SAR

Figure 64: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2593.0MHz

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	17/06/2015-08:49:15	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.50°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	48.90%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	67.100mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	1.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	5.587
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.07 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.071 W/kg
INPUT POWER LEVEL:	23.33dBm	SAR END:	0.070 W/kg
PROBE BATTERY LAST CHANGED:	17/06/2015	SAR DRIFT DURING SCAN:	-1.600 %

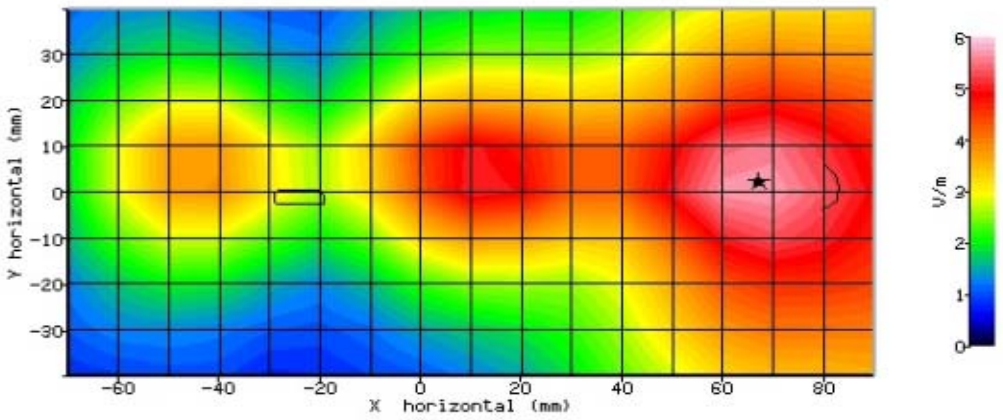

Figure 65: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

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SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-15:21:53	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	7.900mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	2.900mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.257
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.76 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.781 W/kg
INPUT POWER LEVEL:	24.25dBm	SAR END:	0.730 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-6.500 %

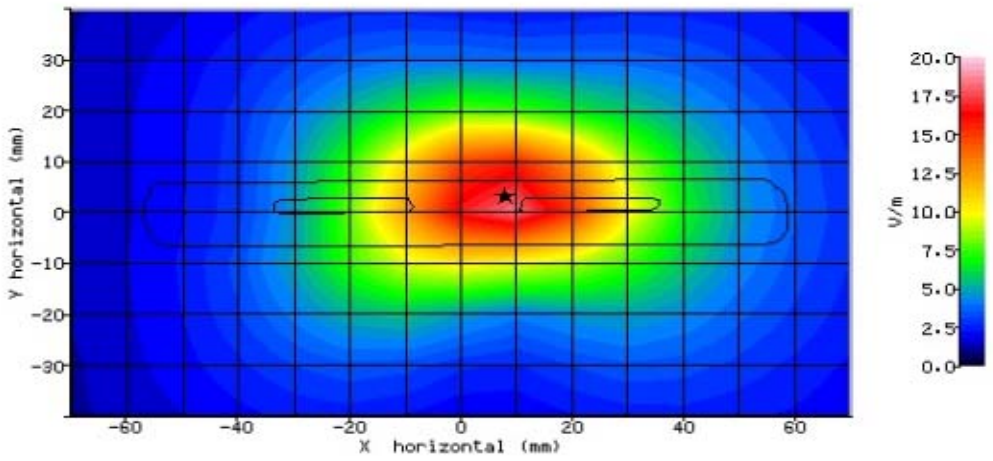

Figure 66: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-12:28:17	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	8.600mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	2.000mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.335
TEST FREQUENCY:	2680.0MHz	SAR 1g:	0.76 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.778 W/kg
INPUT POWER LEVEL:	24.25dBm	SAR END:	0.775 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-0.400 %

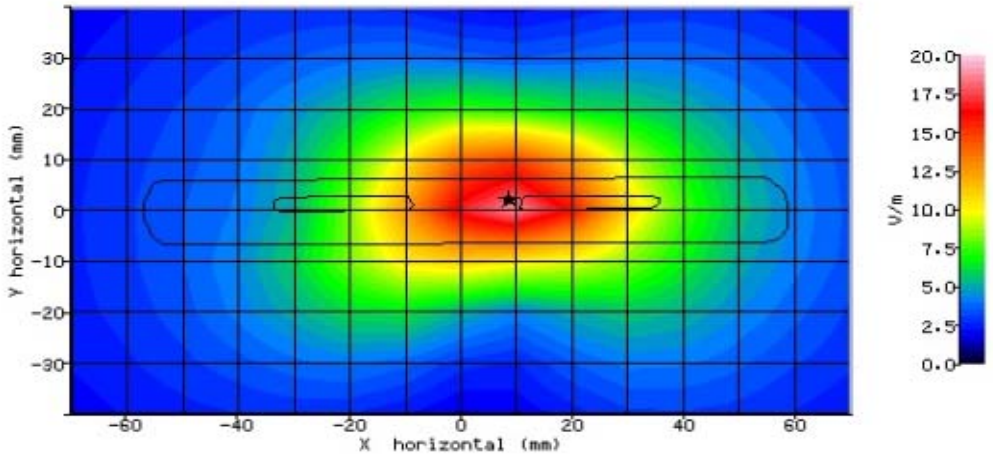

Figure 67: SAR Body Testing Results for the SHV32 Mobile Handset at 2680.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-15:41:54	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	7.900mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	2.600mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.907
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.72 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.751 W/kg
INPUT POWER LEVEL:	24.25dBm	SAR END:	0.744 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-0.900 %

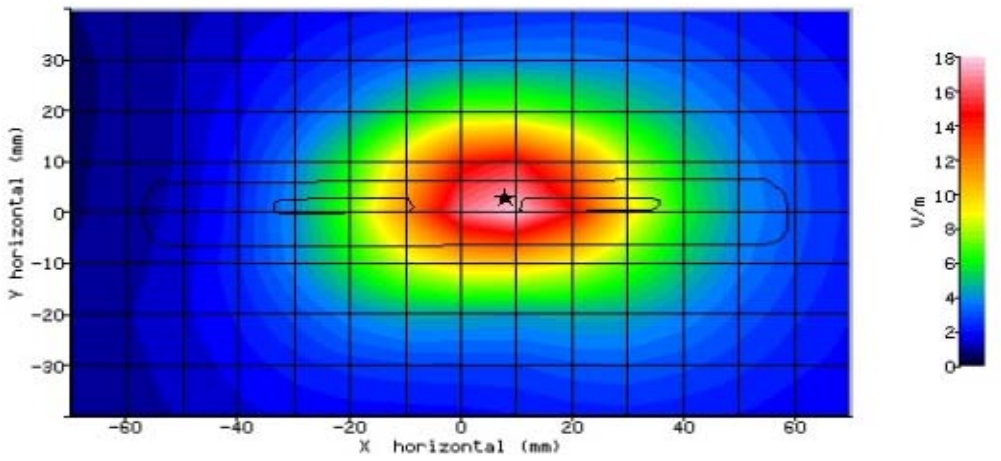

Figure 68: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-10:13:33	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	5.100mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.600mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.842
TEST FREQUENCY:	2549.5MHz	SAR 1g:	0.70 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.732 W/kg
INPUT POWER LEVEL:	24.25dBm	SAR END:	0.727 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	-0.600 %

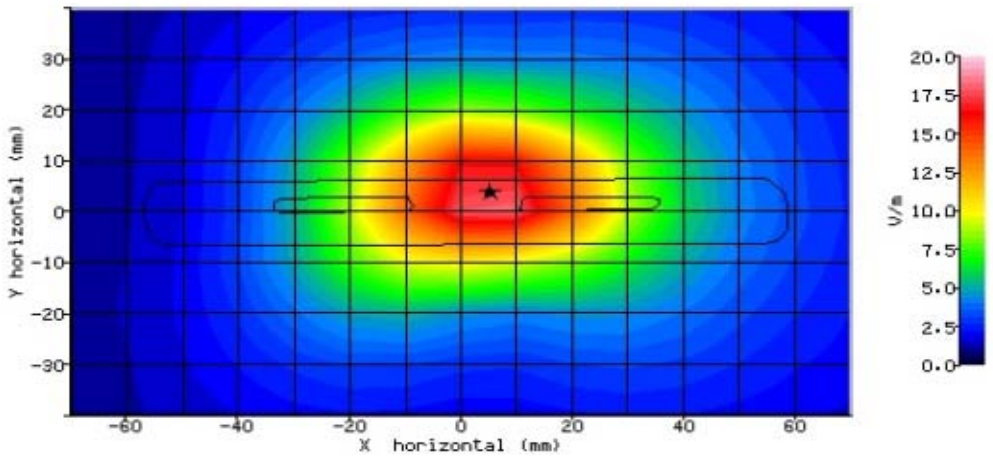

Figure 69: SAR Body Testing Results for the SHV32 Mobile Handset at 2549.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-10:31:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	6.600mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	15.891
TEST FREQUENCY:	2636.5MHz	SAR 1g:	0.71 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.747 W/kg
INPUT POWER LEVEL:	24.25dBm	SAR END:	0.753 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	0.800 %

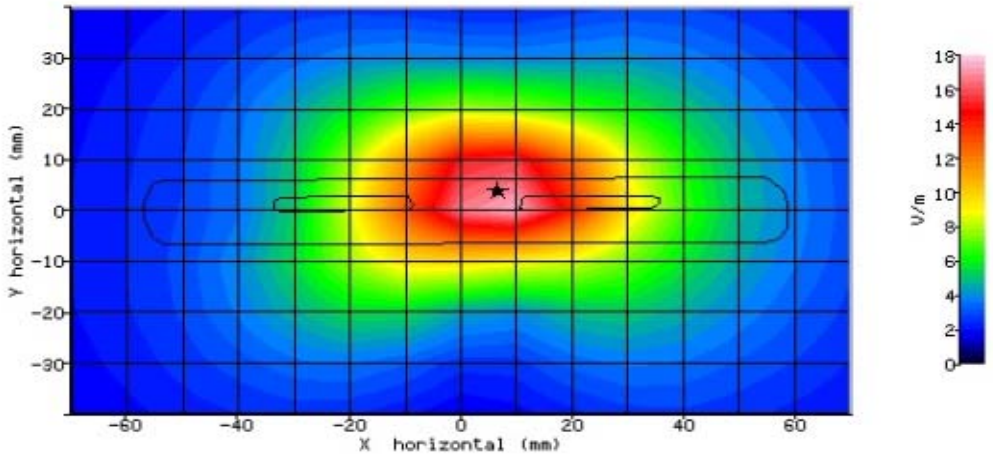

Figure 70: SAR Body Testing Results for the SHV32 Mobile Handset at 2636.5MHz.

2.13 LTE TDD BAND 41 2600MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-13:13:39	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.200mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-1.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.844
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.27 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.271 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.258 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-5.100 %

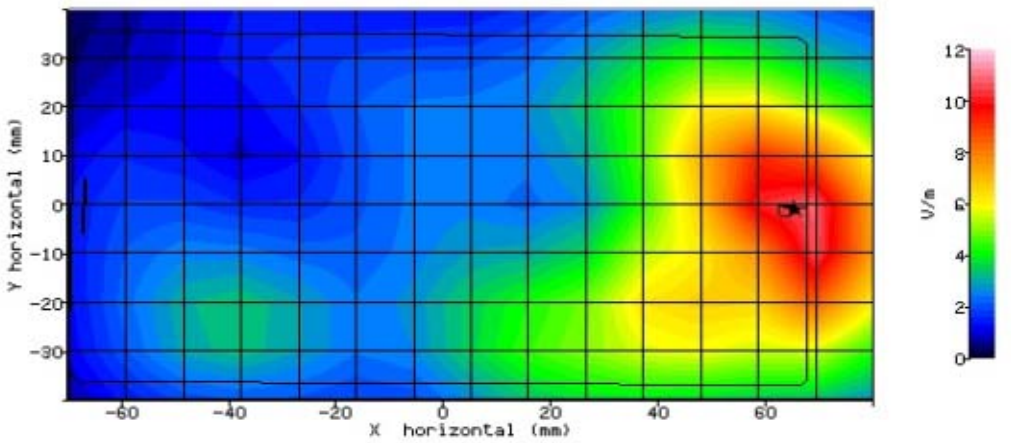

Figure 71: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-13:38:30	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.100mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	4.800mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.855
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.56 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.583 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.579 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-0.700 %

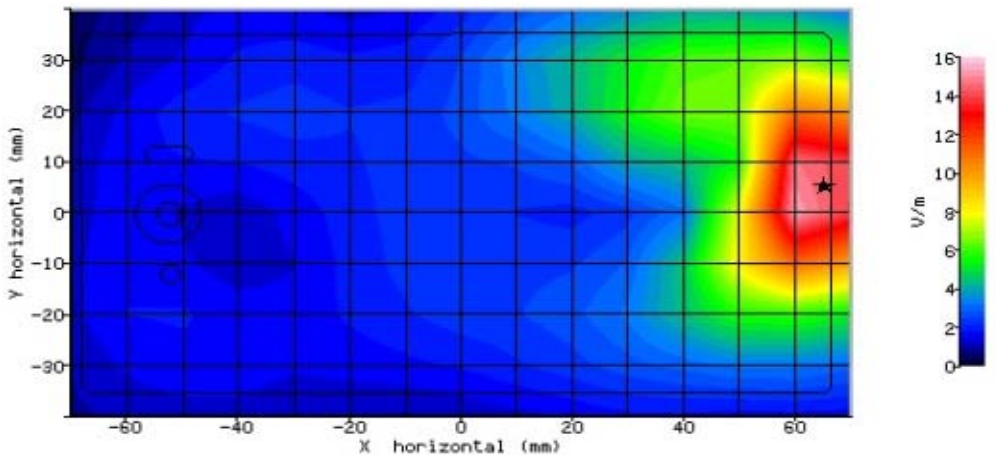

Figure 72: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-10:50:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	64.900mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	2.200mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.939
TEST FREQUENCY:	2680.0MHz	SAR 1g:	0.50 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.507 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.494 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-2.600 %

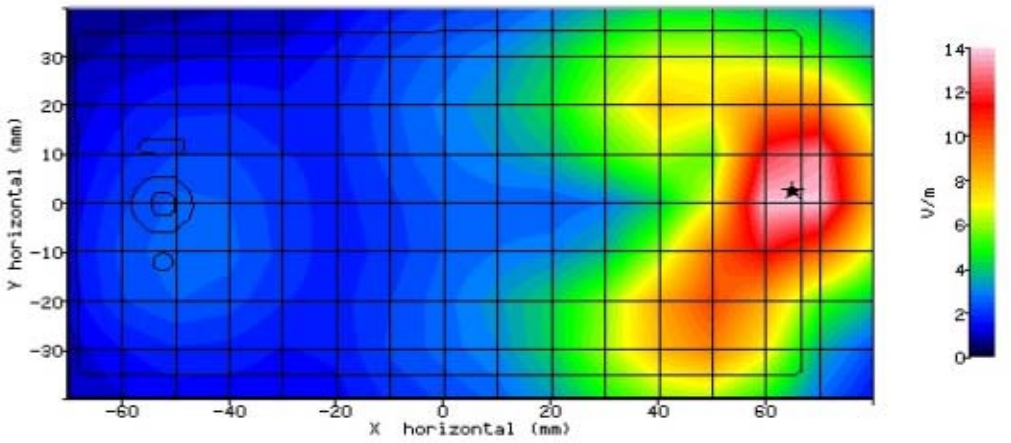

Figure 73: SAR Body Testing Results for the SHV32 Mobile Handset at 2680.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-11:08:22	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.200mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	1.500mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.725
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.56 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.568 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.564 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-0.600 %

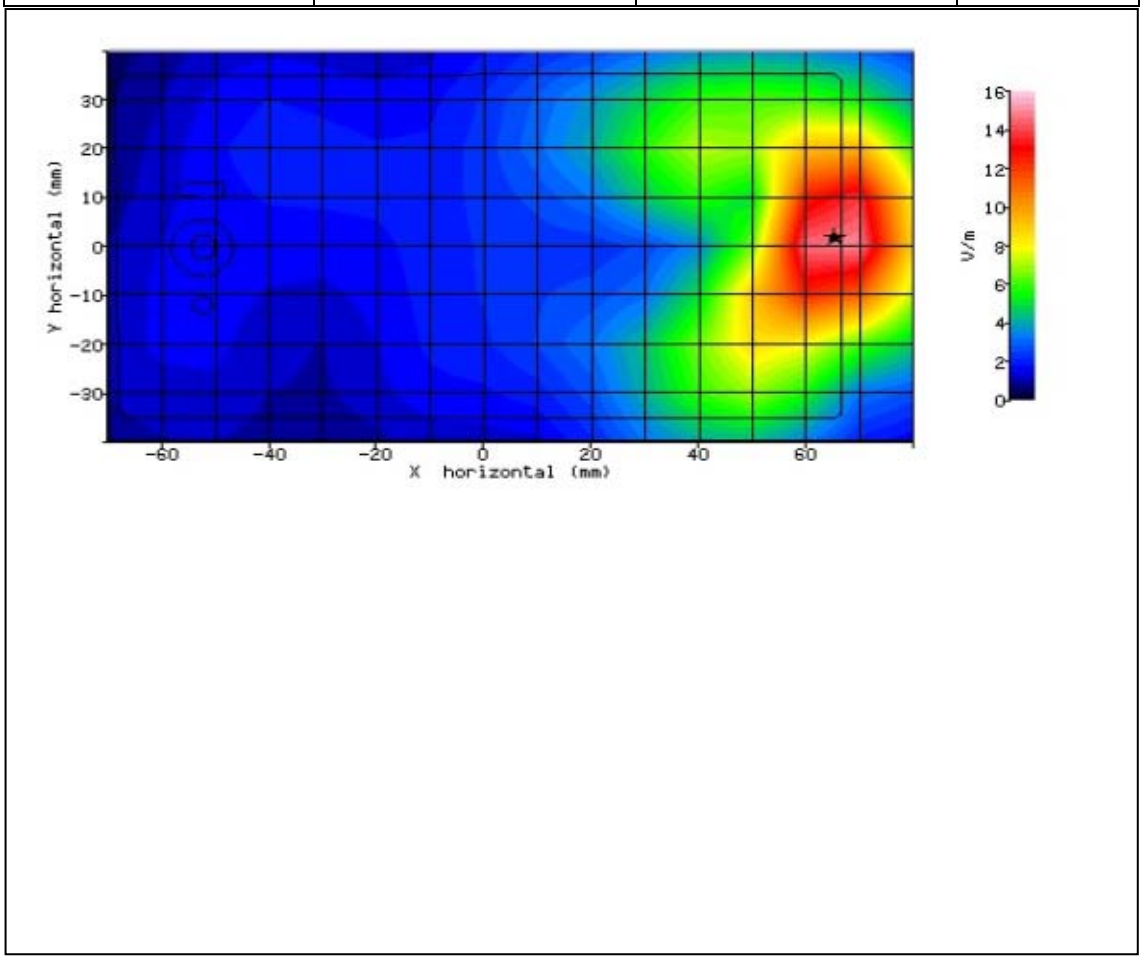

Figure 74: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-11:26:00	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.400mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	1.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.438
TEST FREQUENCY:	2549.5MHz	SAR 1g:	0.53 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.552 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.544 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-1.500 %

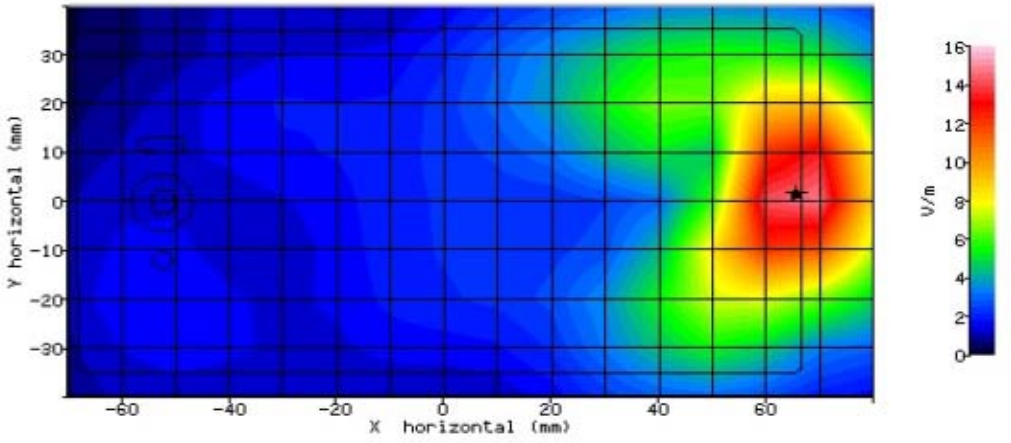

Figure 75: SAR Body Testing Results for the SHV32 Mobile Handset at 2549.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	18/06/2015-11:44:56	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.90°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	52.06
RELATIVE HUMIDITY:	51.60%	CONDUCTIVITY:	2.156
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.80°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	65.200mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	1.900mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.257
TEST FREQUENCY:	2636.5MHz	SAR 1g:	0.52 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.537 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.532 W/kg
PROBE BATTERY LAST CHANGED:	18/06/2015	SAR DRIFT DURING SCAN:	-0.900 %

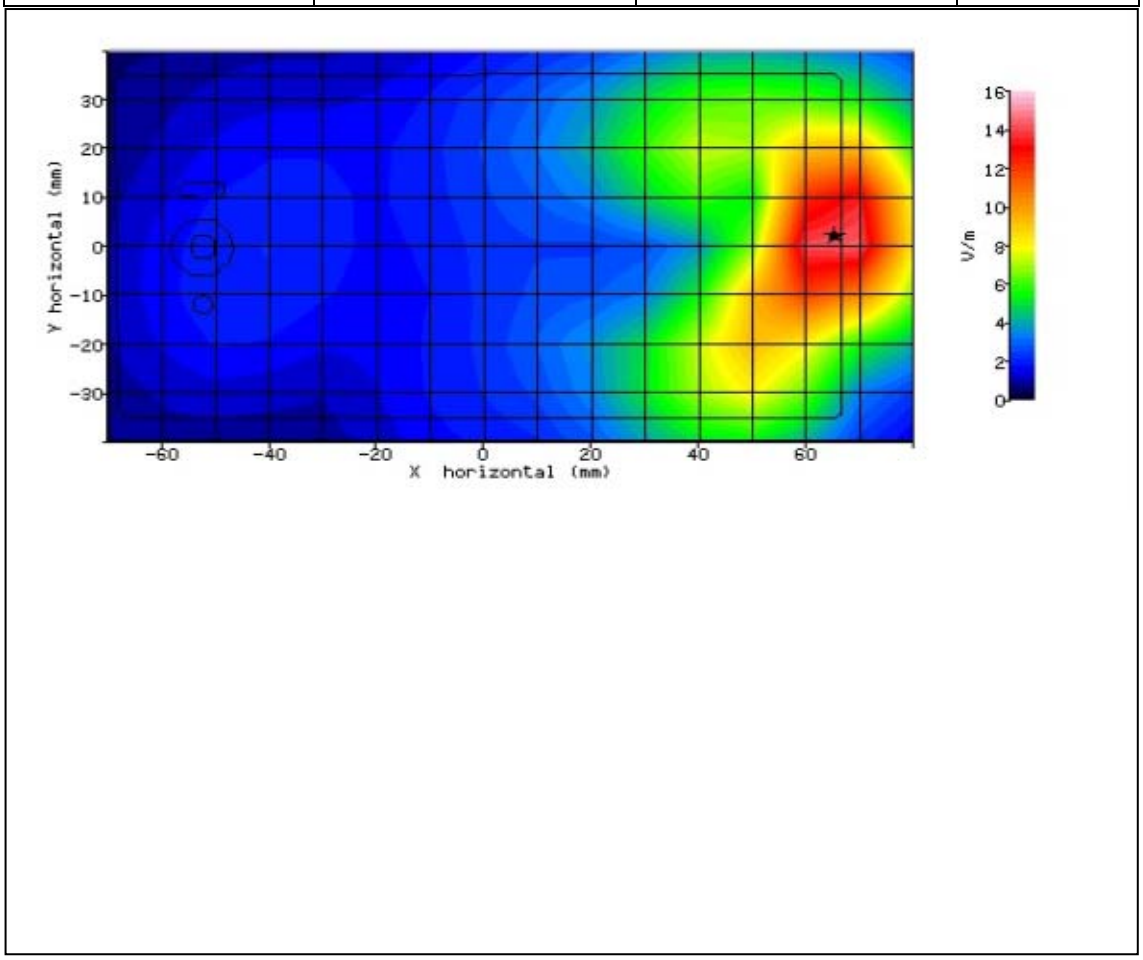

Figure 76: SAR Body Testing Results for the SHV32 Mobile Handset at 2636.5MHz.

No Measured SAR

Figure 77: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2506.0MHz

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-14:23:01	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	14.600mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	0.900mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	4.937
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.06 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.063 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.061 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-2.700 %

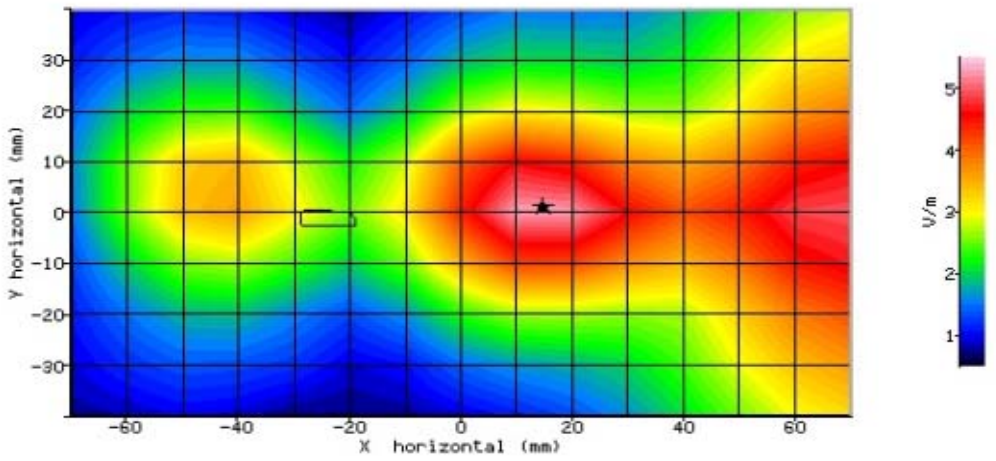

Figure 78: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	12/06/2015-14:40:10	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.30°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	35.10%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.10°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	7.700mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	5.100mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.546
TEST FREQUENCY:	2506.0MHz	SAR 1g:	0.60 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.634 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.629 W/kg
PROBE BATTERY LAST CHANGED:	12/06/2015	SAR DRIFT DURING SCAN:	-0.700 %

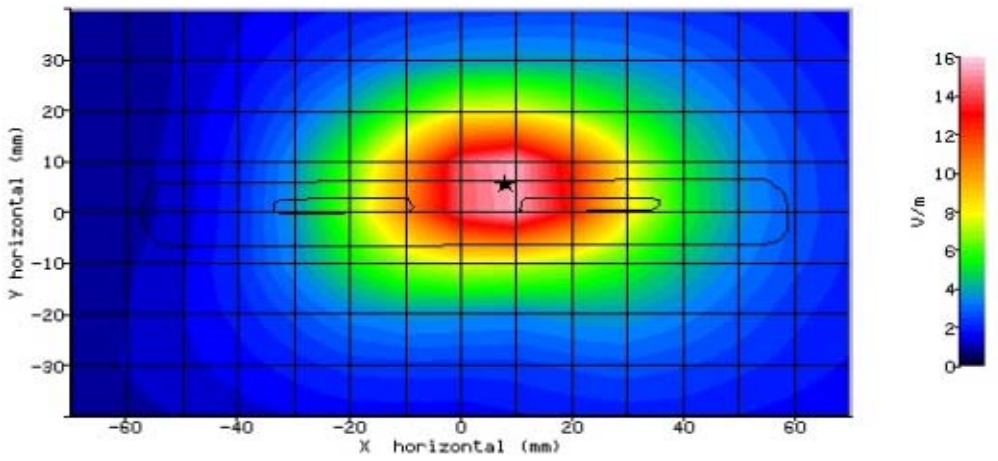

Figure 79: SAR Body Testing Results for the SHV32 Mobile Handset at 2506.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-11:03:50	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	6.900mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.200mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.341
TEST FREQUENCY:	2680.0MHz	SAR 1g:	0.51 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.526 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.527 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	0.100 %

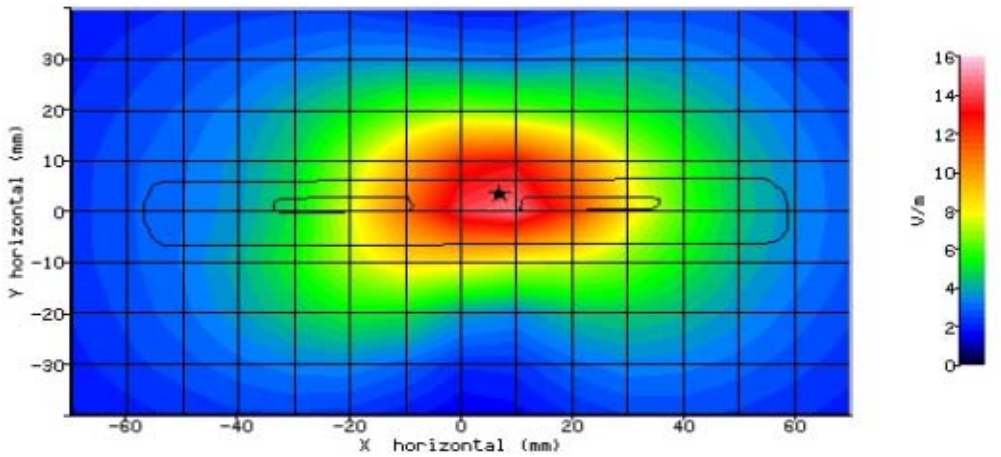

Figure 80: SAR Body Testing Results for the SHV32 Mobile Handset at 2680.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-11:20:44	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	6.000mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.300mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.159
TEST FREQUENCY:	2593.0MHz	SAR 1g:	0.58 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.600 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.597 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	-0.500 %

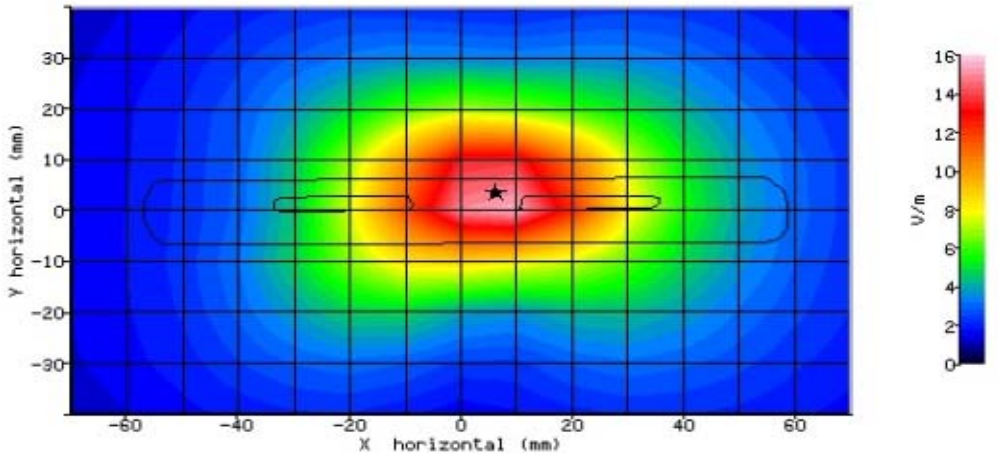

Figure 81: SAR Body Testing Results for the SHV32 Mobile Handset at 2593.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-11:55:09	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	5.200mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.608
TEST FREQUENCY:	2549.5MHz	SAR 1g:	0.61 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.633 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.627 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	-0.900 %

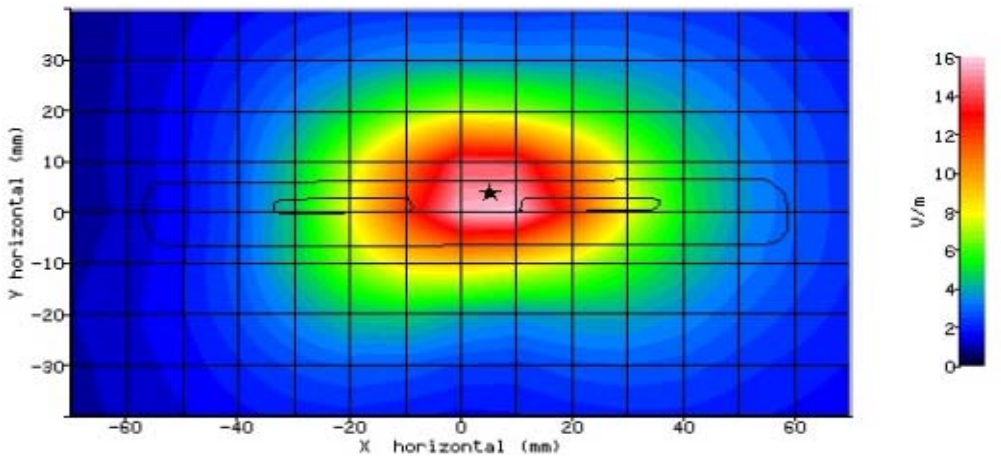

Figure 82: SAR Body Testing Results for the SHV32 Mobile Handset at 2549.5MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	16/06/2015-12:13:57	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.10°C	LIQUID SIMULANT:	2600
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	2.16
RELATIVE HUMIDITY:	32.50%	CONDUCTIVITY:	52.060
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	22.90°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	6.600mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	3.400mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.803
TEST FREQUENCY:	2636.5MHz	SAR 1g:	0.55 W/kg
TYPE OF MODULATION:	QPSK (LTE)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.569 W/kg
INPUT POWER LEVEL:	23.2dBm	SAR END:	0.562 W/kg
PROBE BATTERY LAST CHANGED:	16/06/2015	SAR DRIFT DURING SCAN:	-1.100 %

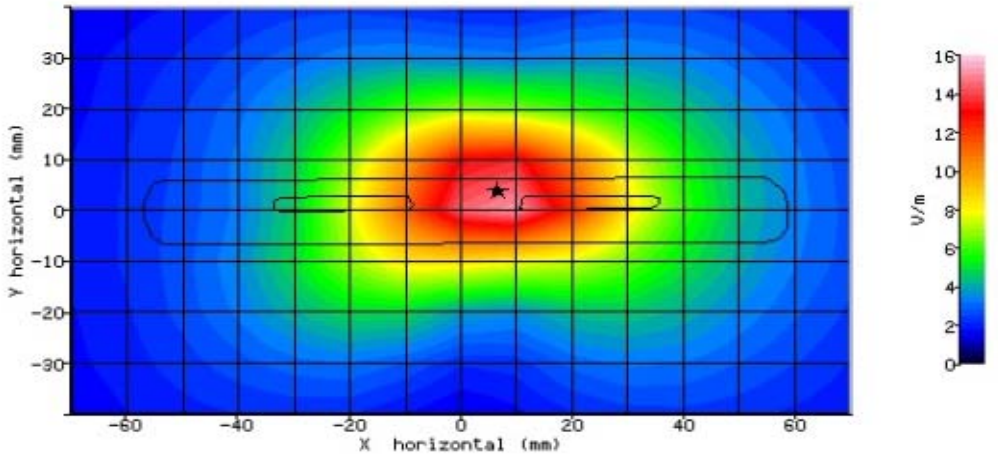

Figure 83: SAR Body Testing Results for the SHV32 Mobile Handset at 2636.5MHz.

2.14 PCS 1900MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-10:20:37	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	56.90mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-101.50mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	13.590
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.335 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.334 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.319 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-4.400 %

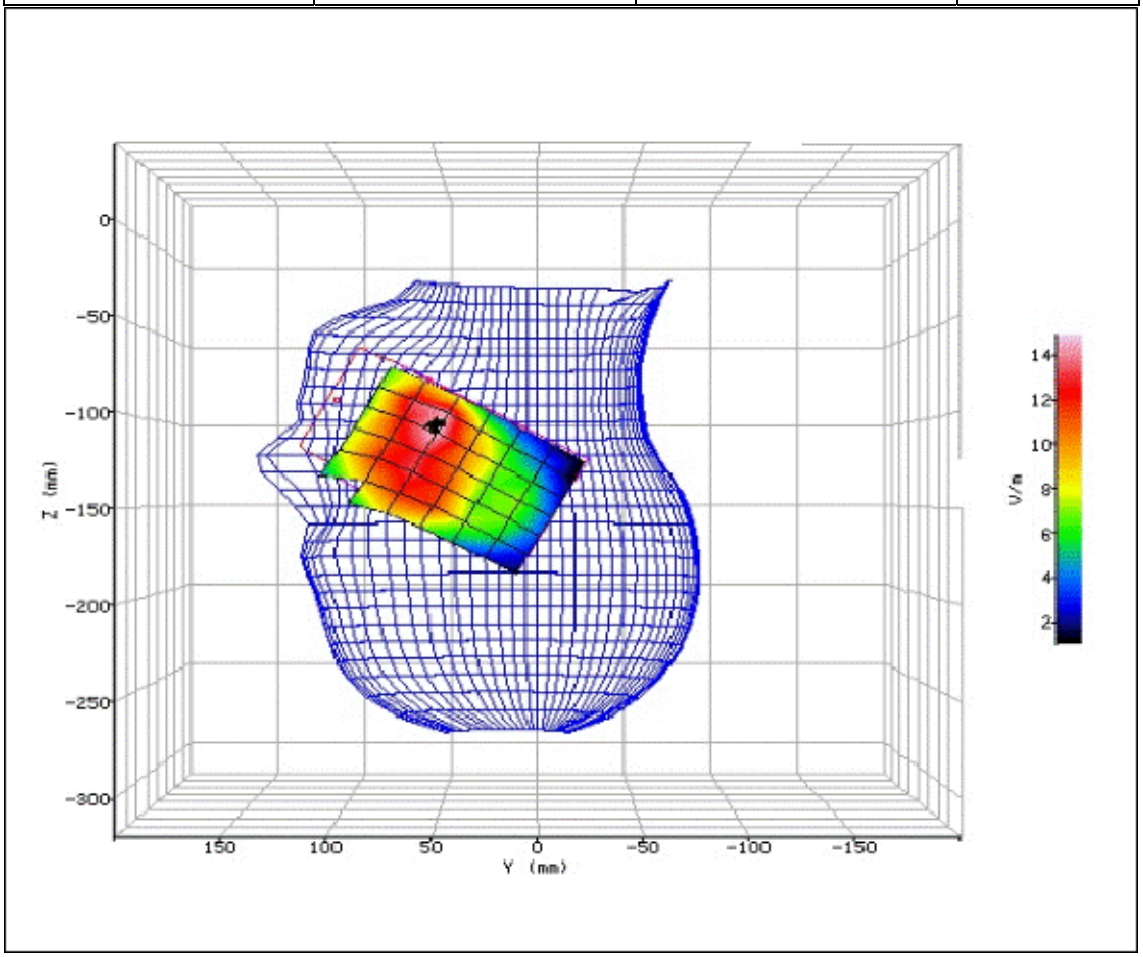

Figure 84: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-10:46:25	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	16.70mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-132.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.229
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.142 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.126 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.126 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-0.100 %

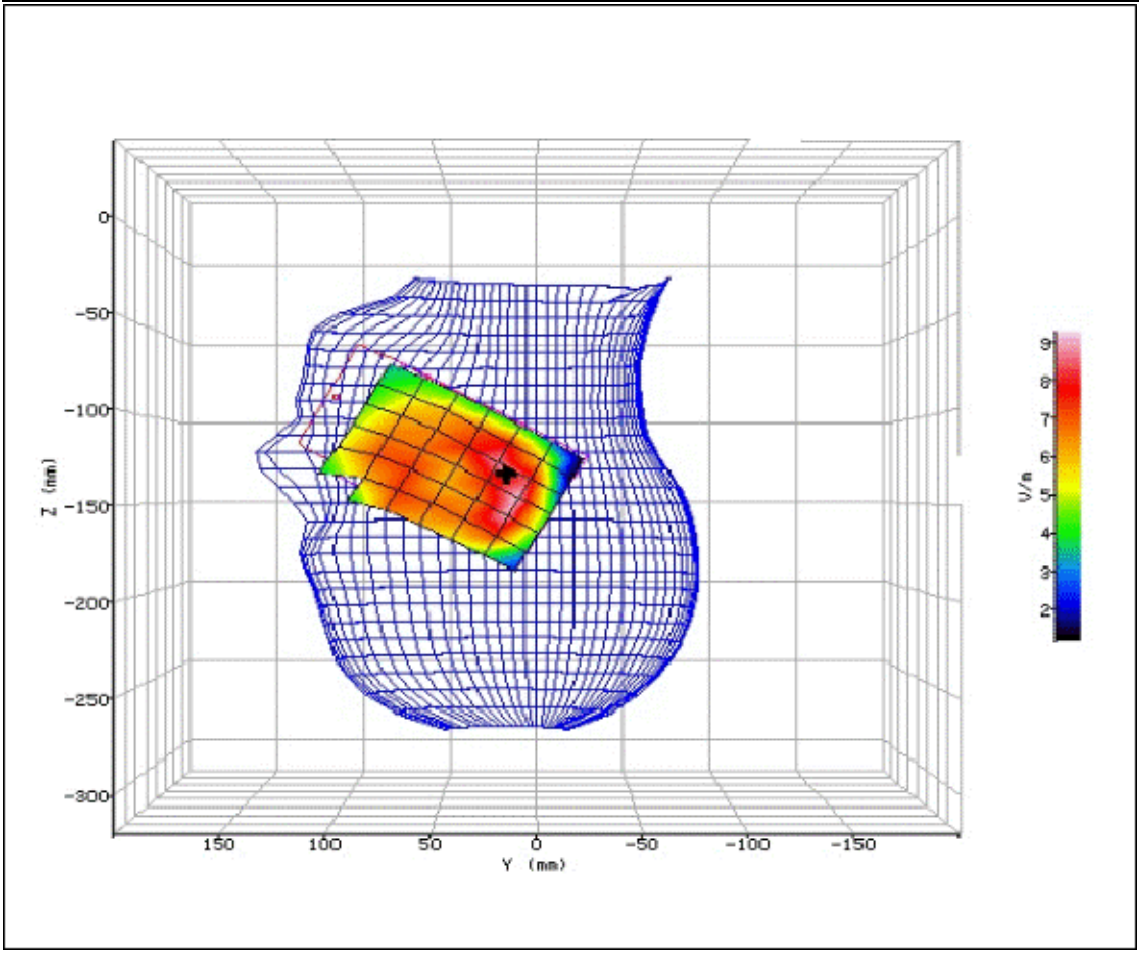

Figure 85: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-11:46:38	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	63.10mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-98.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	19.074
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.581 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.613 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.635 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	3.700 %

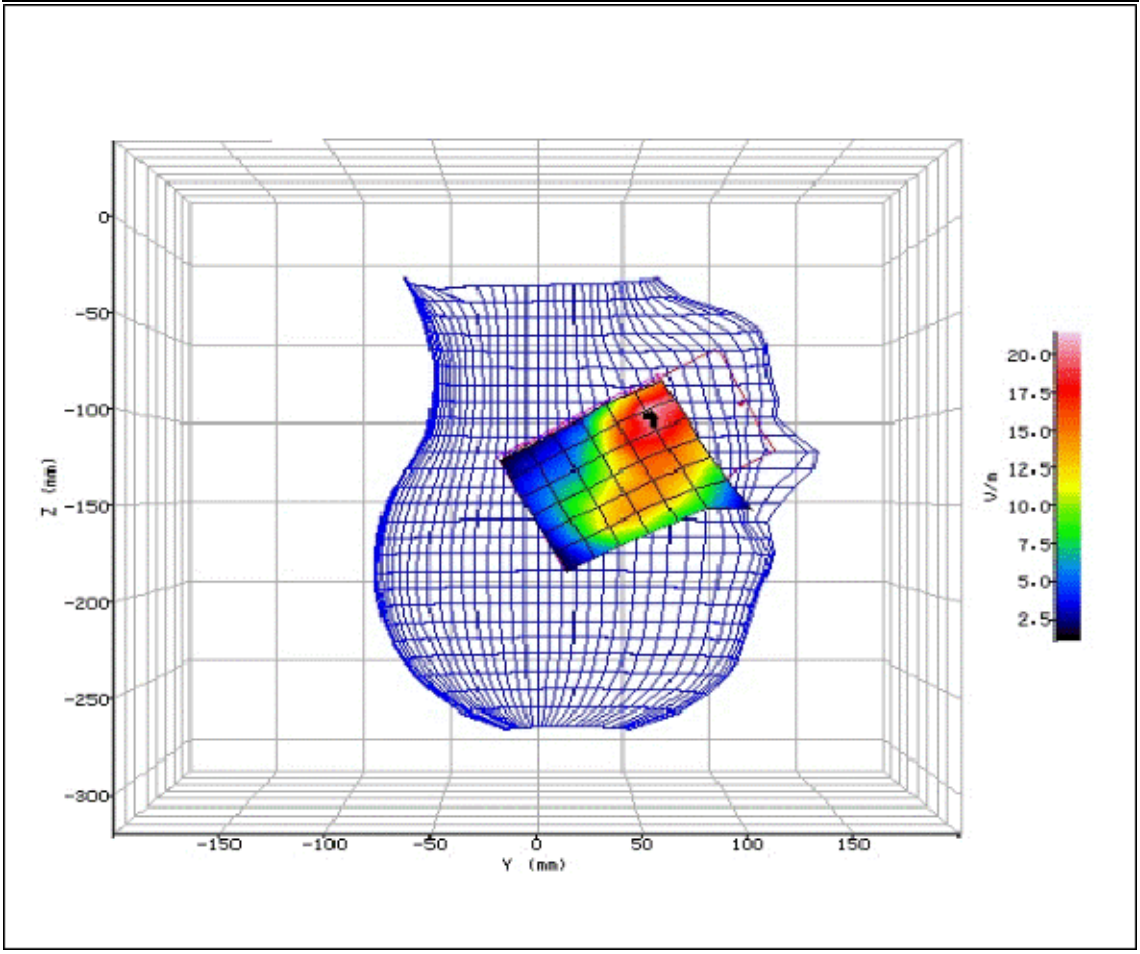

Figure 86: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-12:12:09	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	38.90mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-155.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	11.551
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.236 W/kg
TYPE OF MODULATION:	GMSK (Voice Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	12.5%	SAR START:	0.256 W/kg
INPUT POWER LEVEL:	30.5dBm	SAR END:	0.261 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	1.700 %

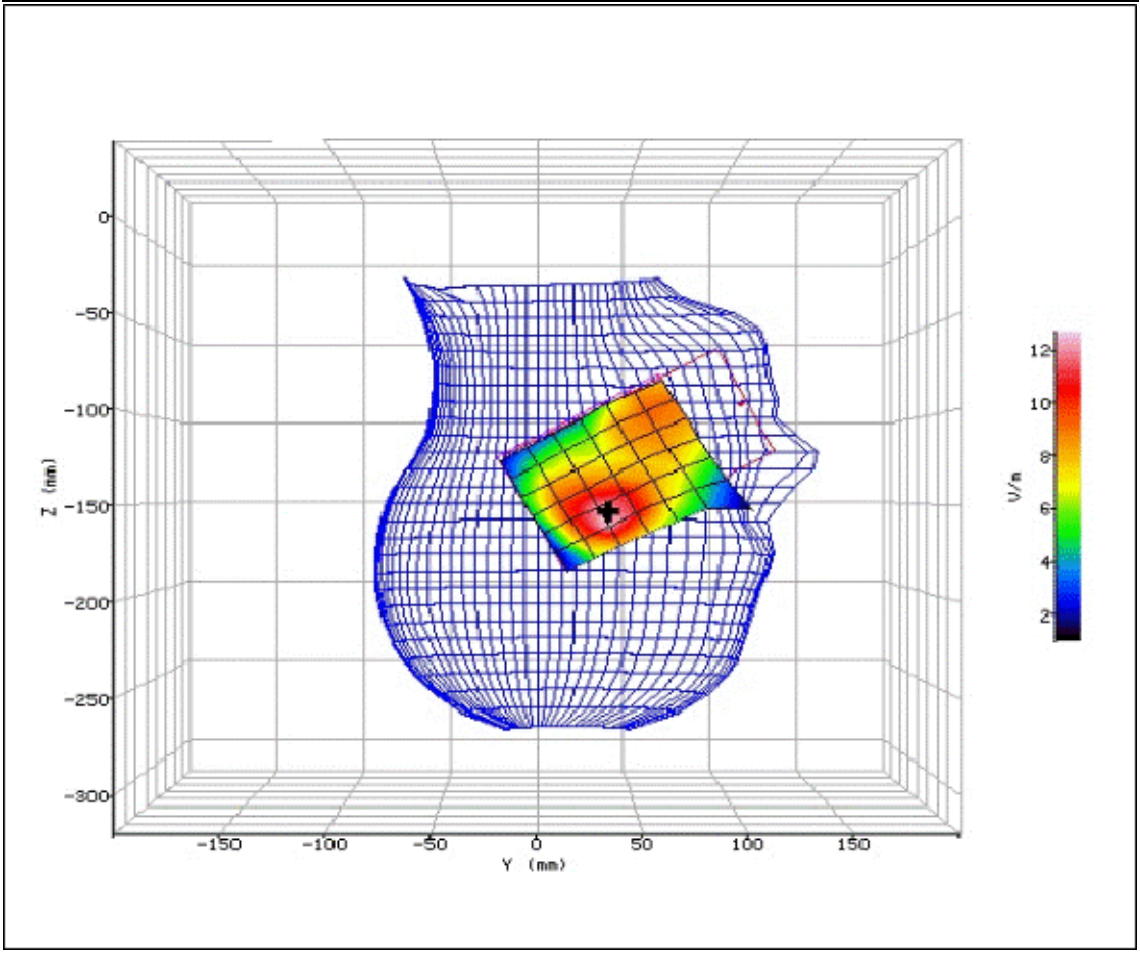

Figure 87: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

2.15 PCS 1900MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-14:34:30	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	56.90mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-104.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	14.316
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.368 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.350 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.358 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	2.300 %

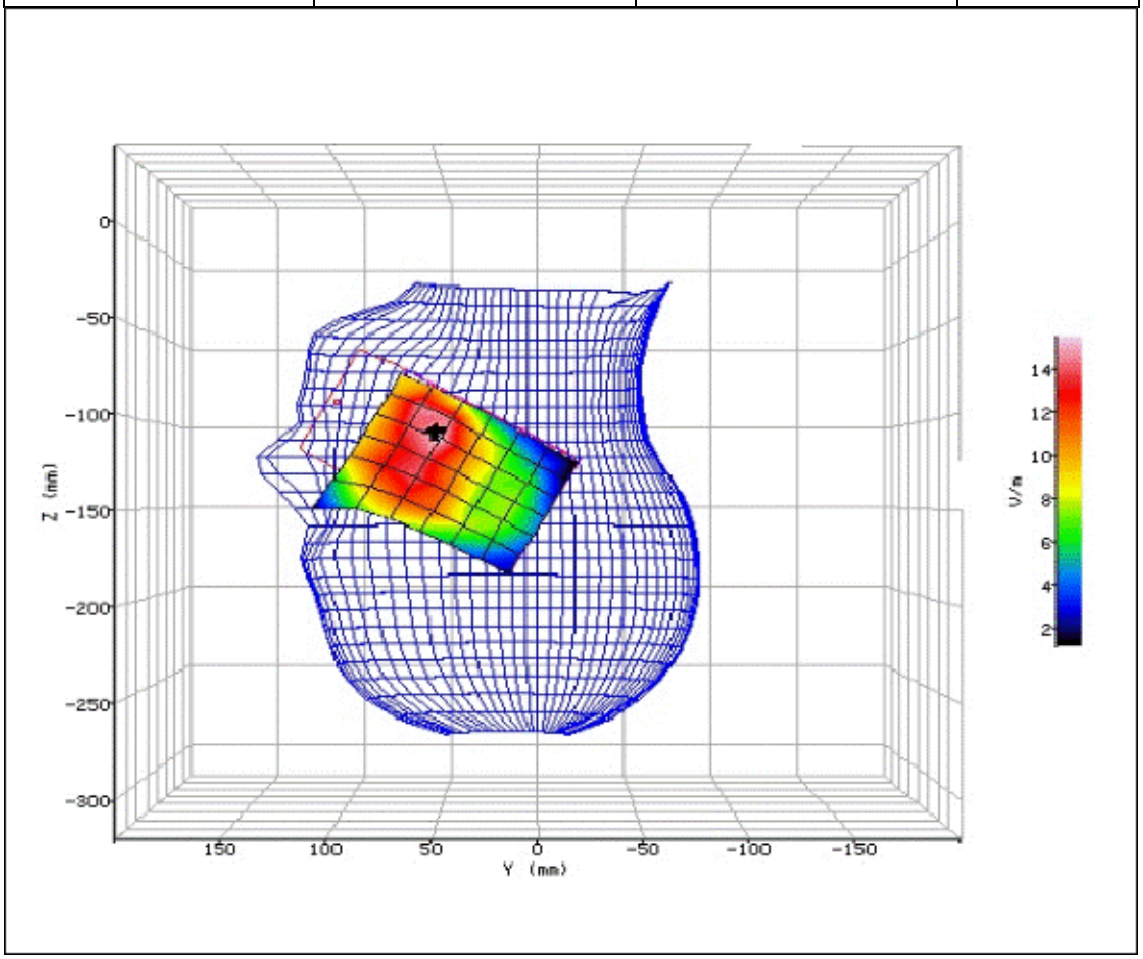

Figure 88: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-15:00:36	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	16.30mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-136.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.061
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.181 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.131 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.139 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	6.700 %

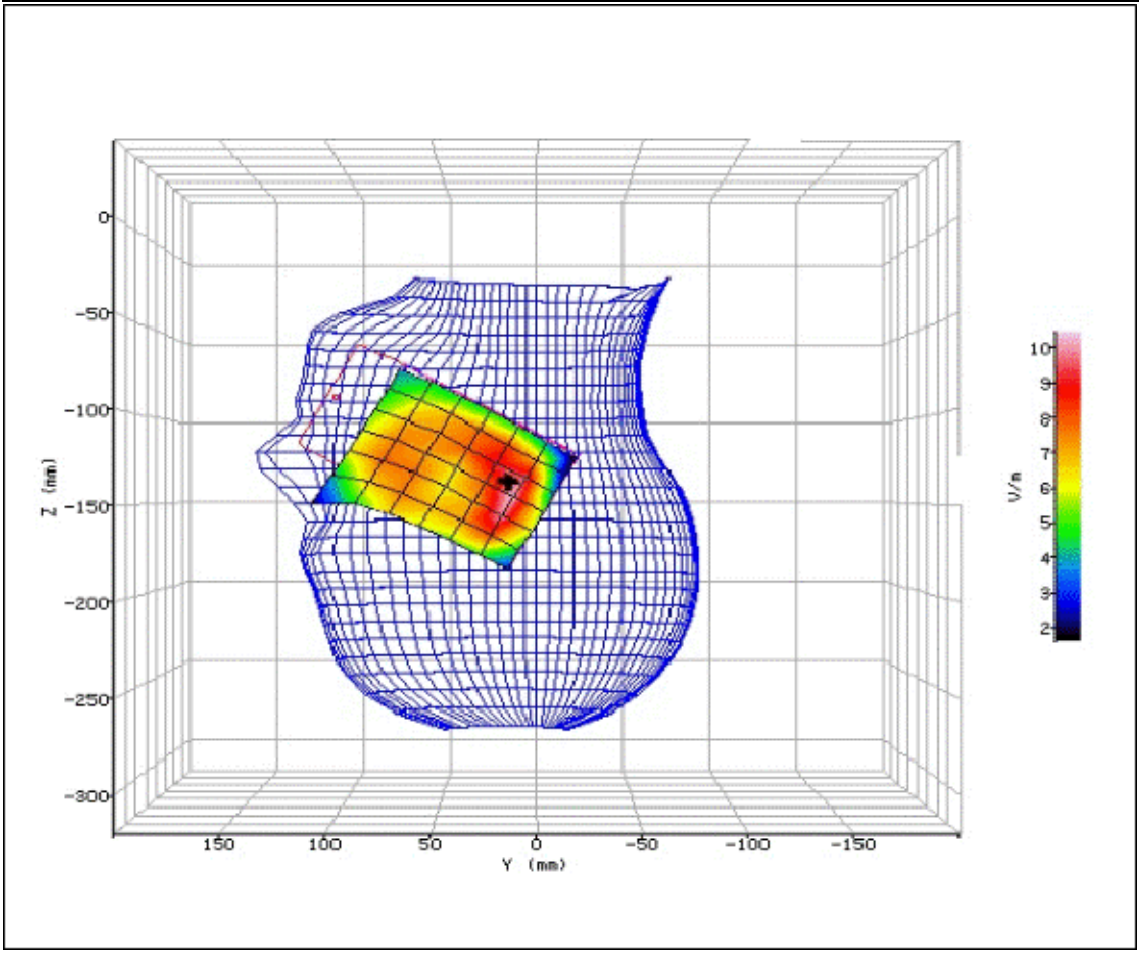

Figure 89: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-13:19:25	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	61.70mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-98.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	20.366
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.664 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.813 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.788 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-3.100 %

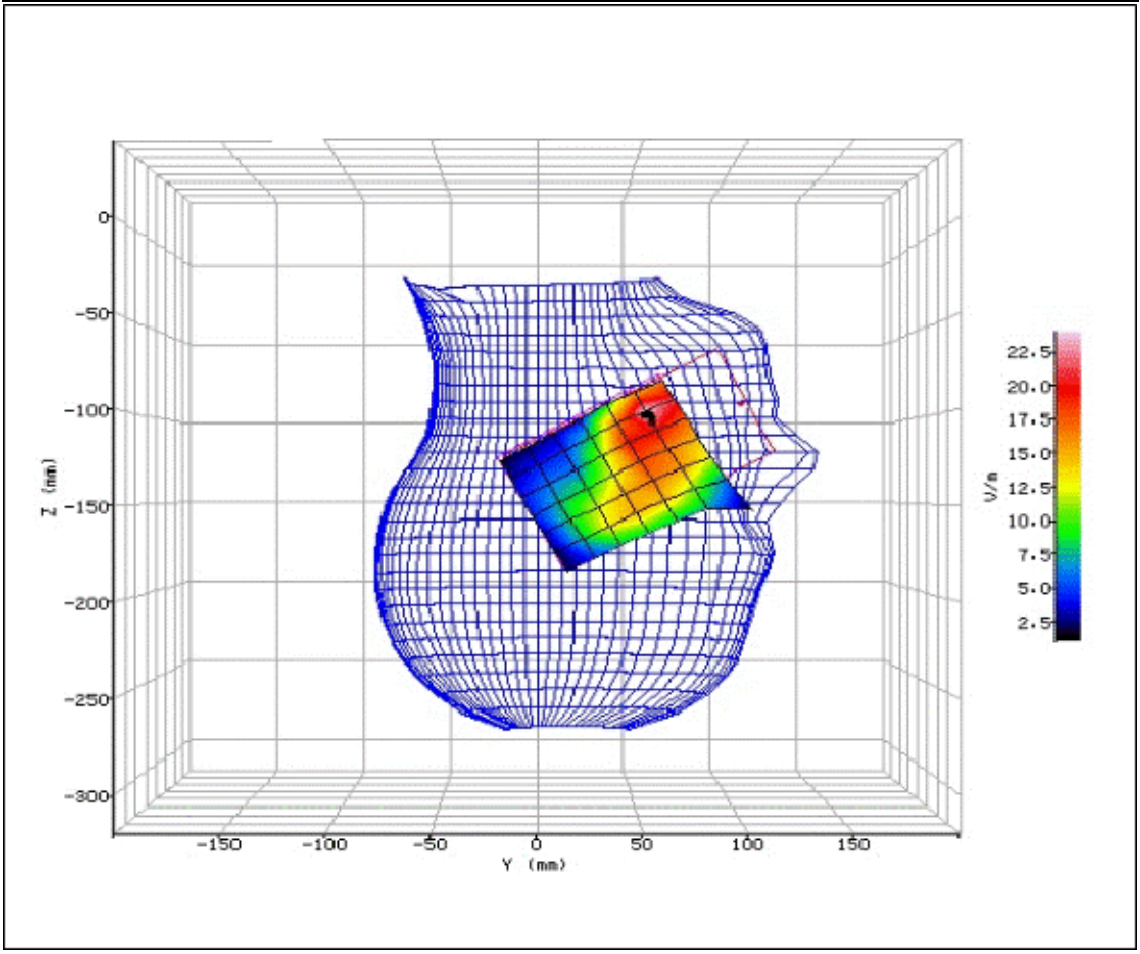

Figure 90: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	21/04/2015-13:44:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	40.85
RELATIVE HUMIDITY:	26.80%	CONDUCTIVITY:	1.459
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	37.80mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-156.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	12.608
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.251 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.289 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.275 W/kg
PROBE BATTERY LAST CHANGED:	21/04/2015	SAR DRIFT DURING SCAN:	-4.800 %

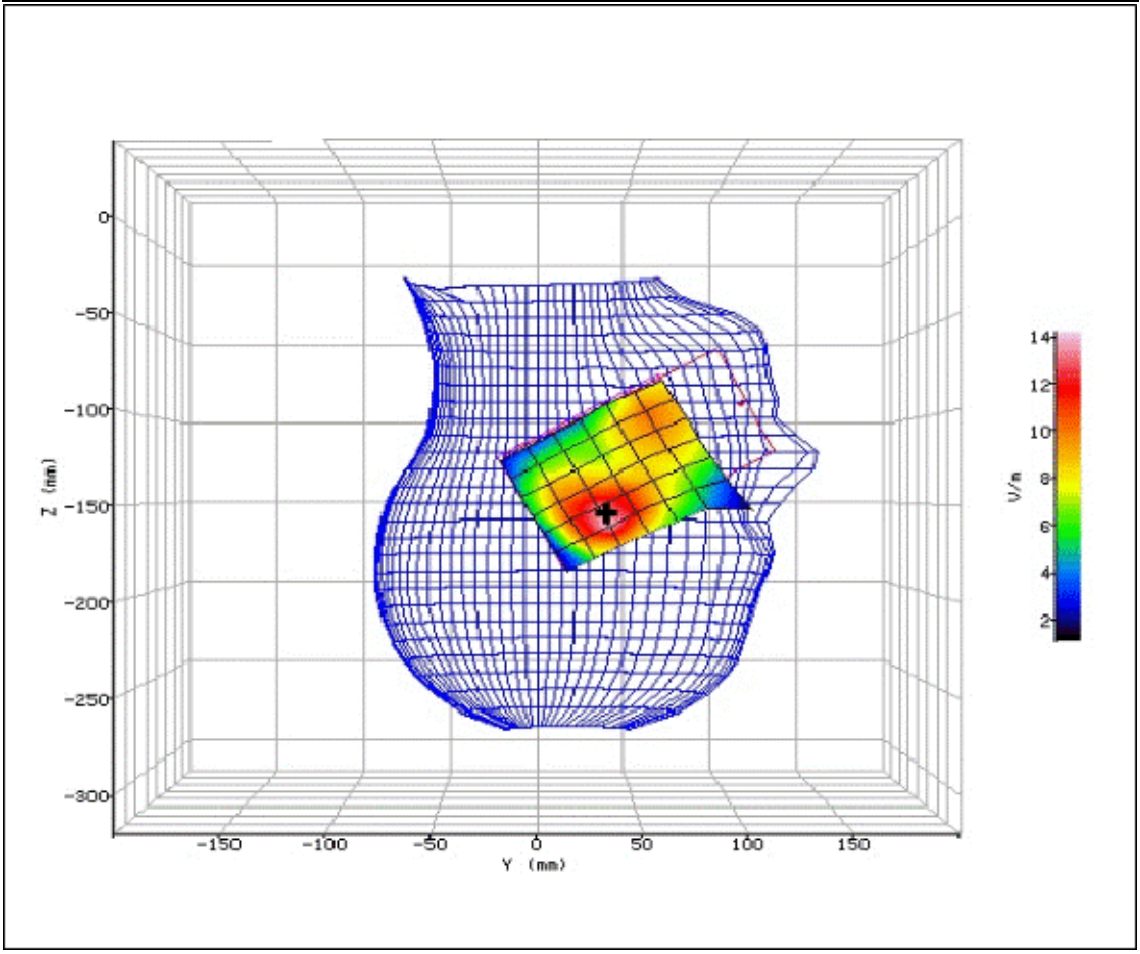

Figure 91: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

2.16 PCS 1900MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	27/04/2015-07:58:19	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	54.24
RELATIVE HUMIDITY:	26.00%	CONDUCTIVITY:	1.576
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	42.60mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	4.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	18.567
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.544 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.569 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.539 W/kg
PROBE BATTERY LAST CHANGED:	27/04/2015	SAR DRIFT DURING SCAN:	-5.200 %

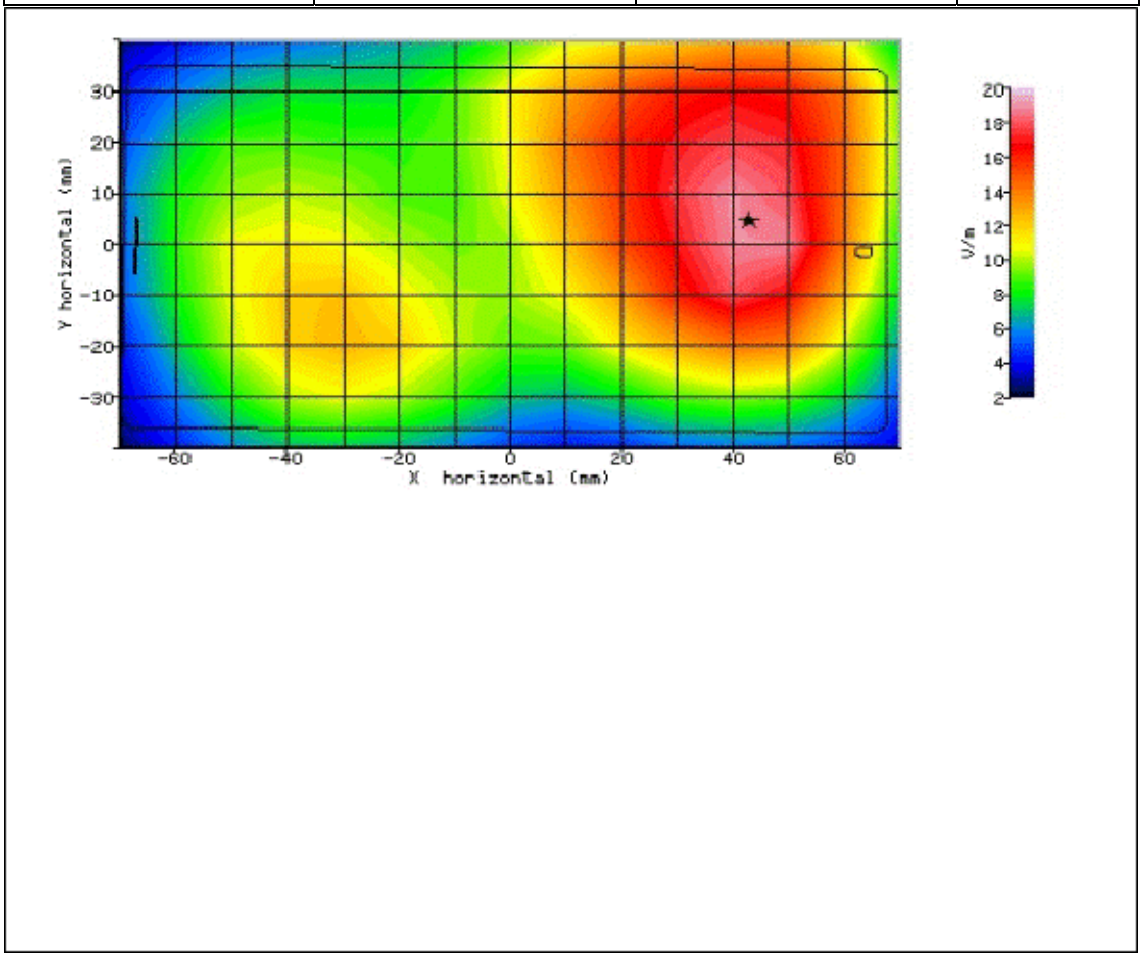

Figure 92: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	27/04/2015-08:23:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	54.24
RELATIVE HUMIDITY:	26.00%	CONDUCTIVITY:	1.576
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	33.60mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-3.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	17.279
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.477 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.493 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.451 W/kg
PROBE BATTERY LAST CHANGED:	27/04/2015	SAR DRIFT DURING SCAN:	-8.400 %

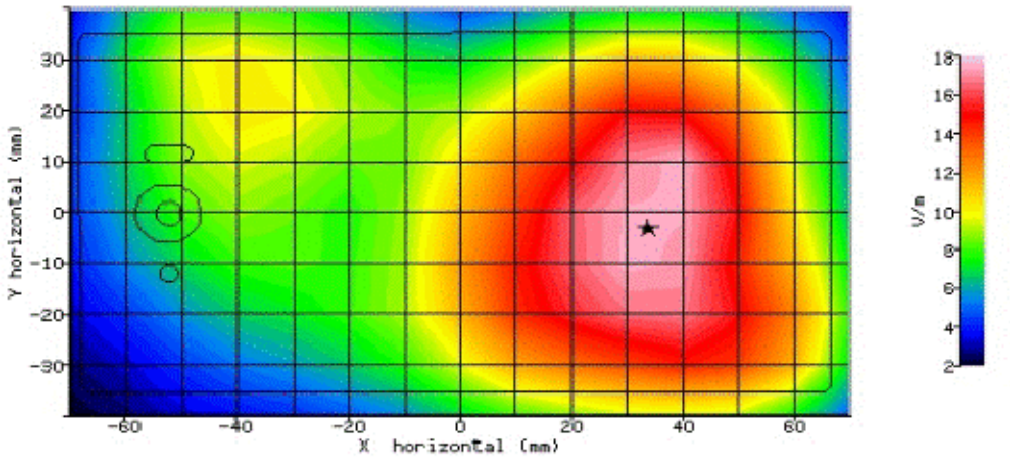

Figure 93: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	27/04/2015-08:59:32	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	54.24
RELATIVE HUMIDITY:	26.00%	CONDUCTIVITY:	1.576
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	41.30mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	0.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	16.737
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.480 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.513 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.501 W/kg
PROBE BATTERY LAST CHANGED:	27/04/2015	SAR DRIFT DURING SCAN:	-2.400 %

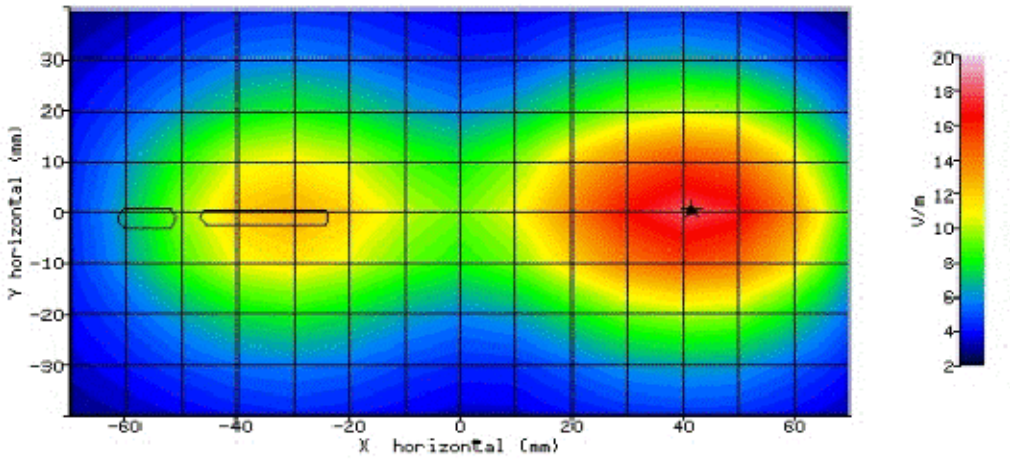

Figure 94: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	27/04/2015-09:18:34	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.60°C	LIQUID SIMULANT:	1900
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	54.24
RELATIVE HUMIDITY:	26.00%	CONDUCTIVITY:	1.576
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	7.90mm
DUT POSITION:	10mm-Bottom Edge	MAX SAR Y-AXIS LOCATION:	-6.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	9.369
TEST FREQUENCY:	1880.0MHz	SAR 1g:	0.142 W/kg
TYPE OF MODULATION:	GMSK (GPRS Mode)	SAR 10g:	N/A
MODN. DUTY CYCLE:	25%	SAR START:	0.412 W/kg
INPUT POWER LEVEL:	28.3dBm	SAR END:	0.147 W/kg
PROBE BATTERY LAST CHANGED:	27/04/2015	SAR DRIFT DURING SCAN:	3.200 %

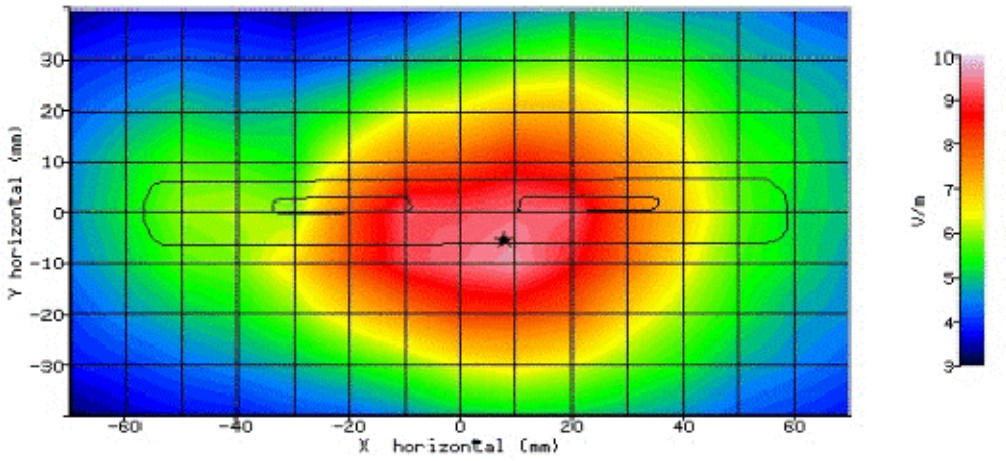

Figure 95: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 1880.0MHz.

2.17 WLAN 2450MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-10:41:41	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	1.70mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-102.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.282
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.013 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.013 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.013 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	1.300 %

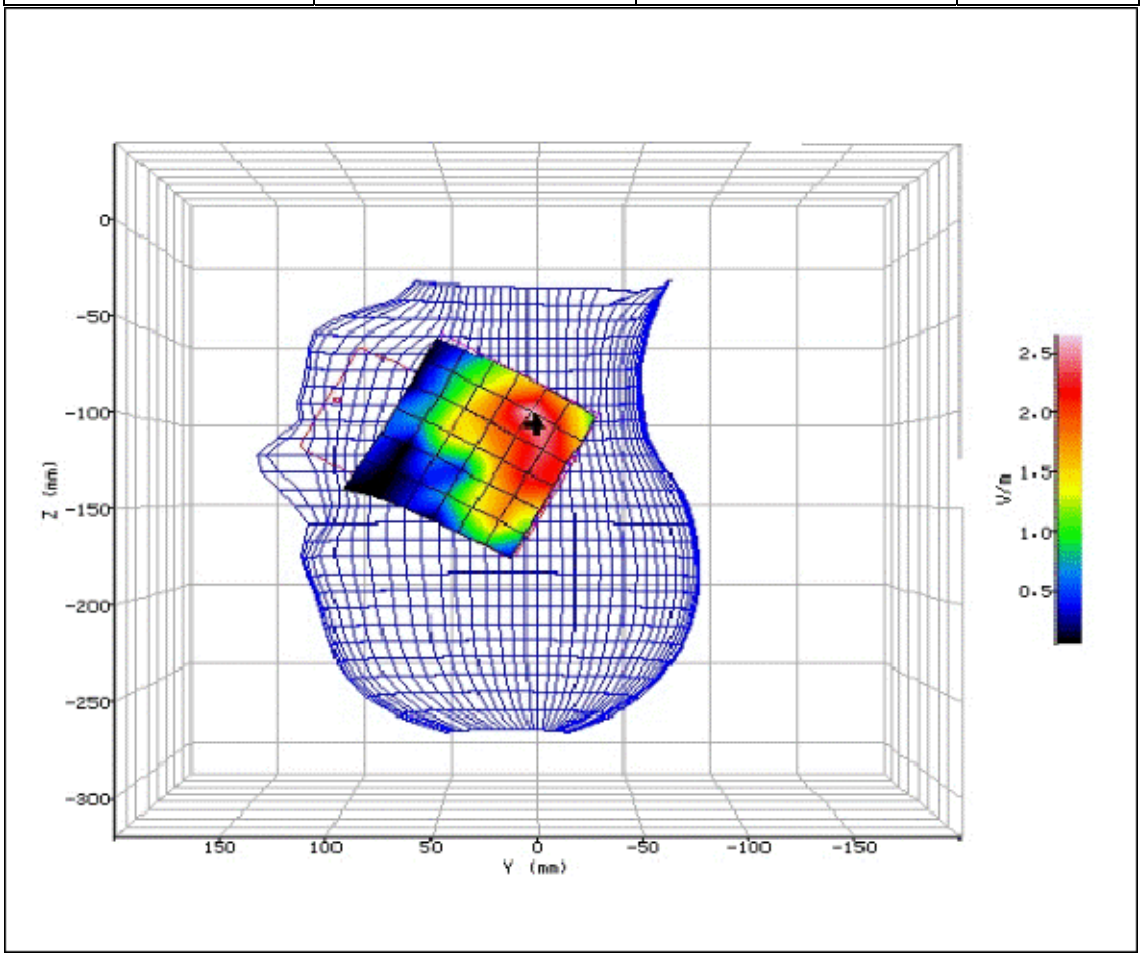

Figure 96: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-11:12:32	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	-5.20mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-123.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.963
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.010 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.009 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.009 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	-1.300 %

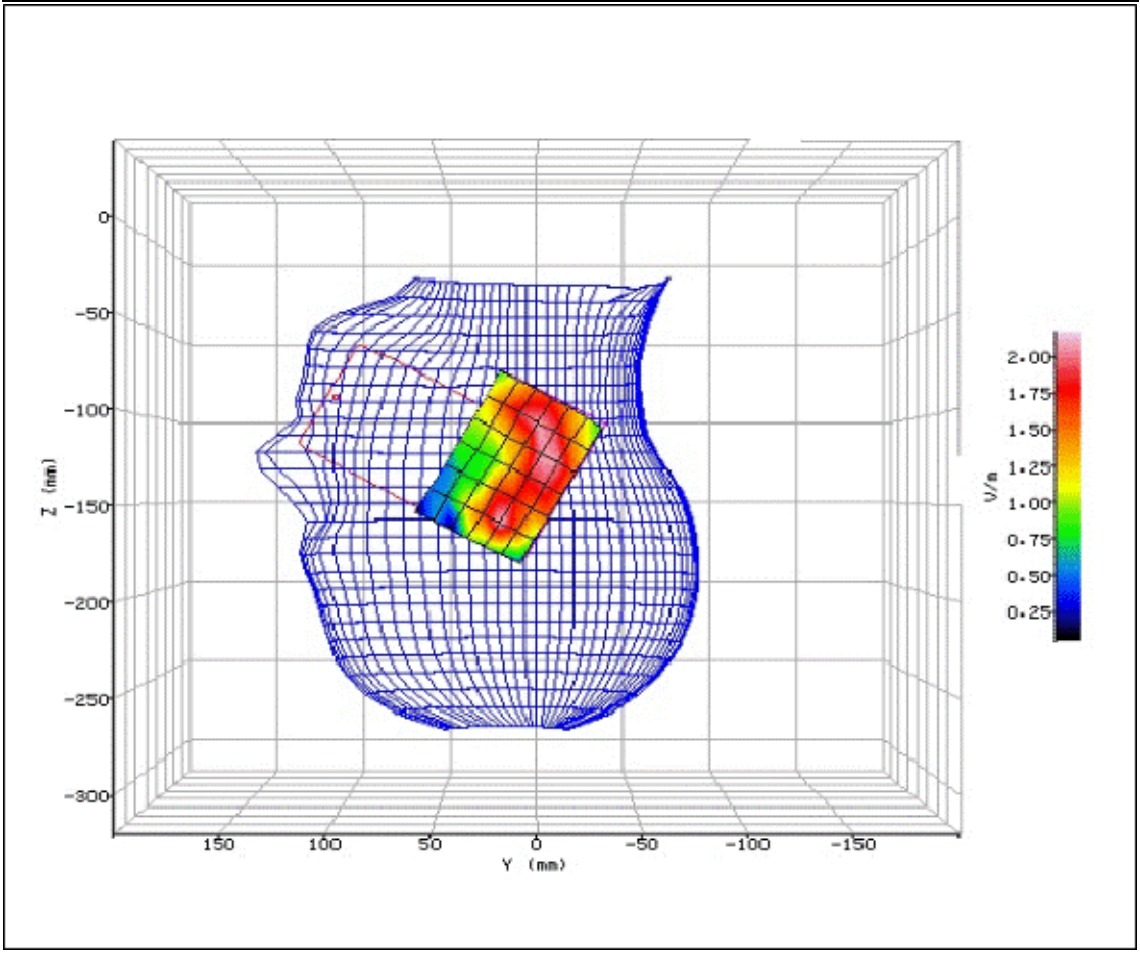

Figure 97: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-07:38:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	36.10mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-176.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	4.981
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.069 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.058 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.059 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	2.700 %

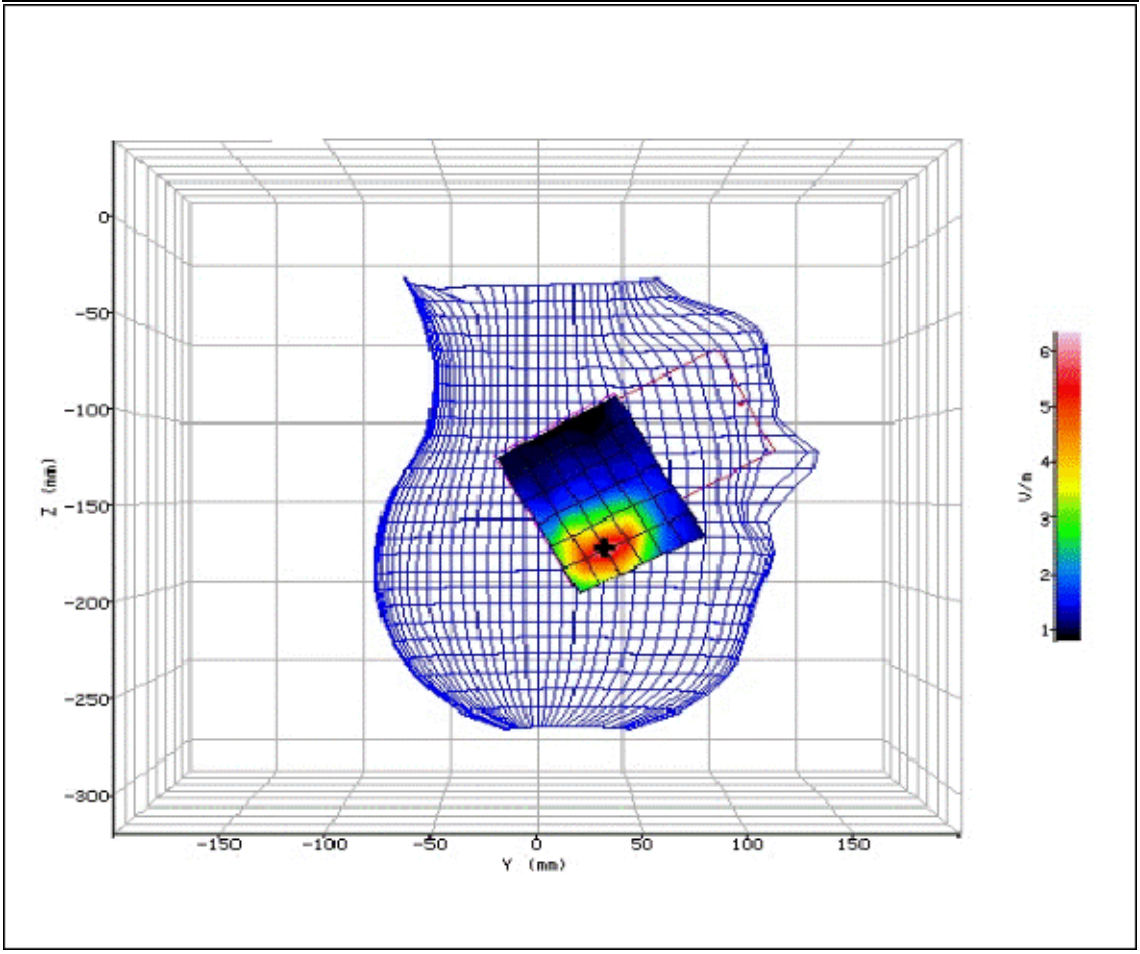

Figure 98: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-08:02:42	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	31.70mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-179.00mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.895
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.040 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.036 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.037 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	2.700 %

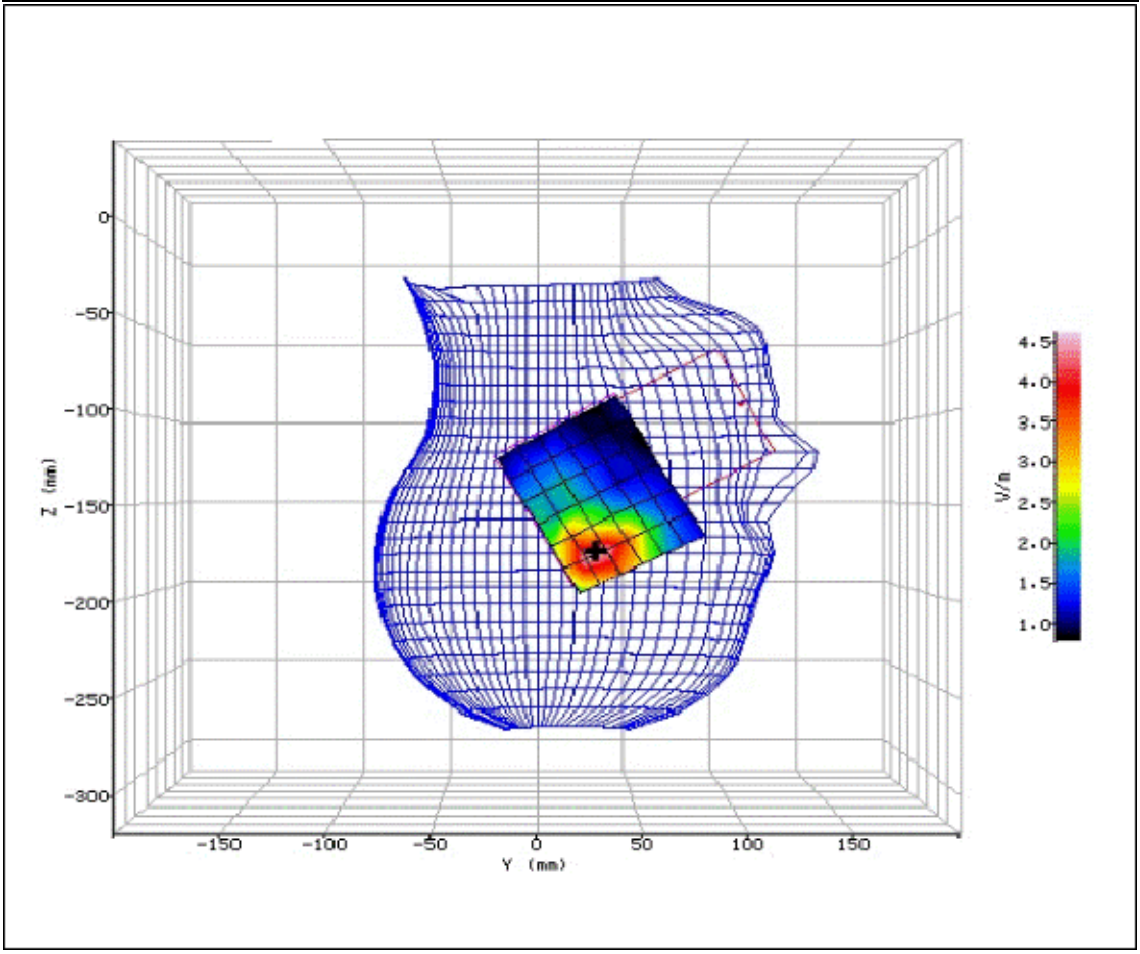

Figure 99: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.18 WLAN 2450MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-10:48:36	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-53.10mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-45.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.589
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.016 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.016 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.016 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	4.600 %

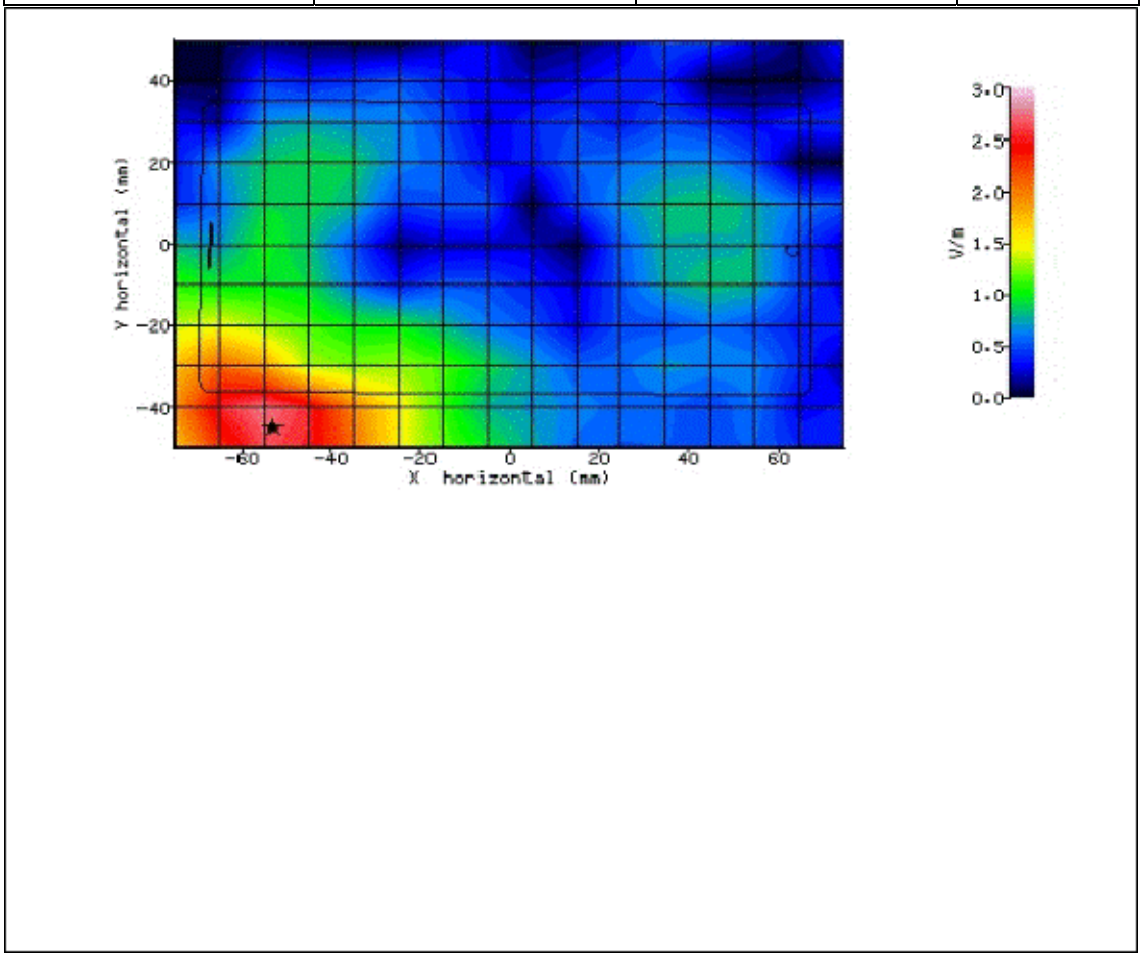

Figure 100: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-11:08:05	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-48.90mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	32.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	8.446
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.204 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.227 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.226 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	-0.400 %

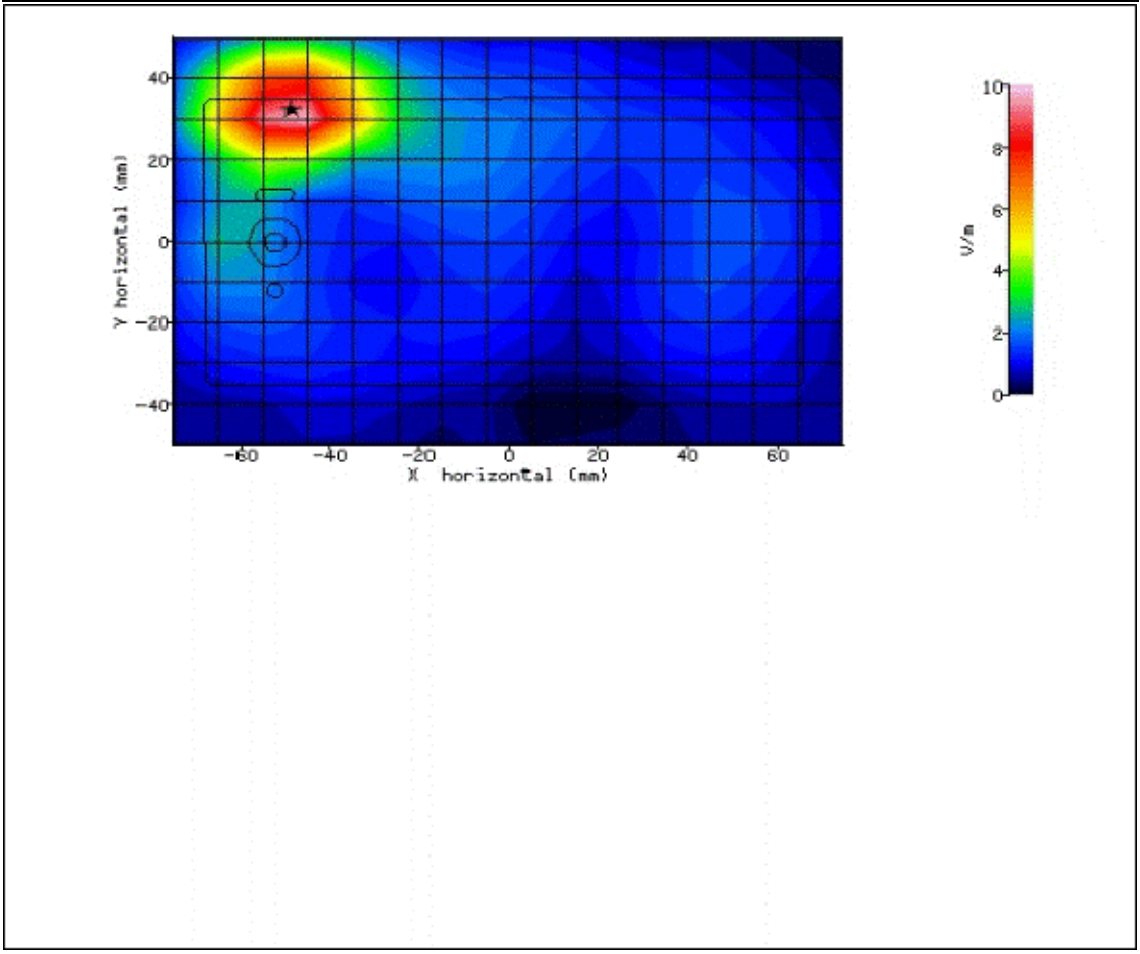

Figure 101: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-11:44:32	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-49.10mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-6.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	6.319
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.108 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.115 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.115 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	-0.300 %

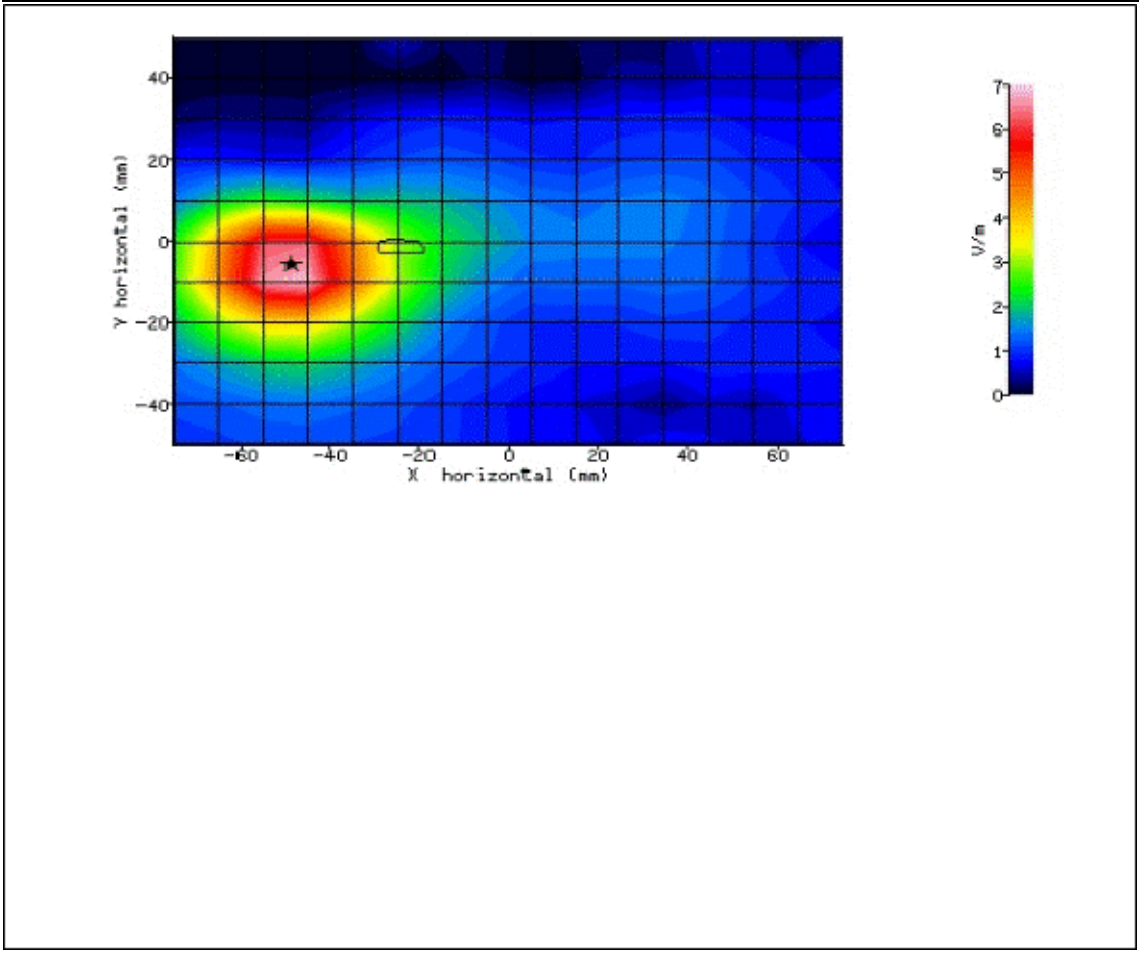

Figure 102: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-12:06:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	47.10mm
DUT POSITION:	10mm-Top Edge	MAX SAR Y-AXIS LOCATION:	-10.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.176
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.010 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.010 W/kg
INPUT POWER LEVEL:	12.8dBm	SAR END:	0.011 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	3.400 %

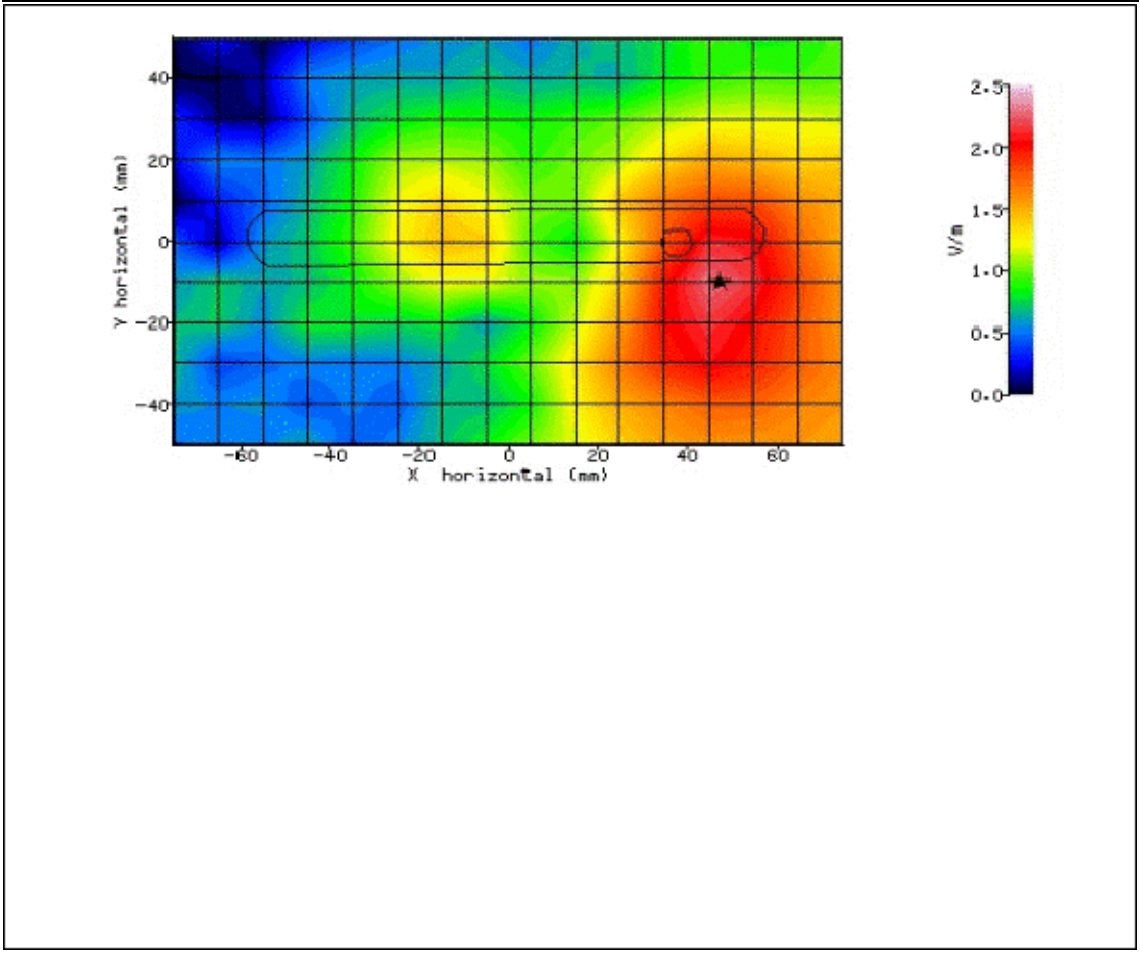

Figure 103: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.19 WLAN 2450MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-12:03:48	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	40.60mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-169.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	4.888
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.071 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.069 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.070 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	2.300 %

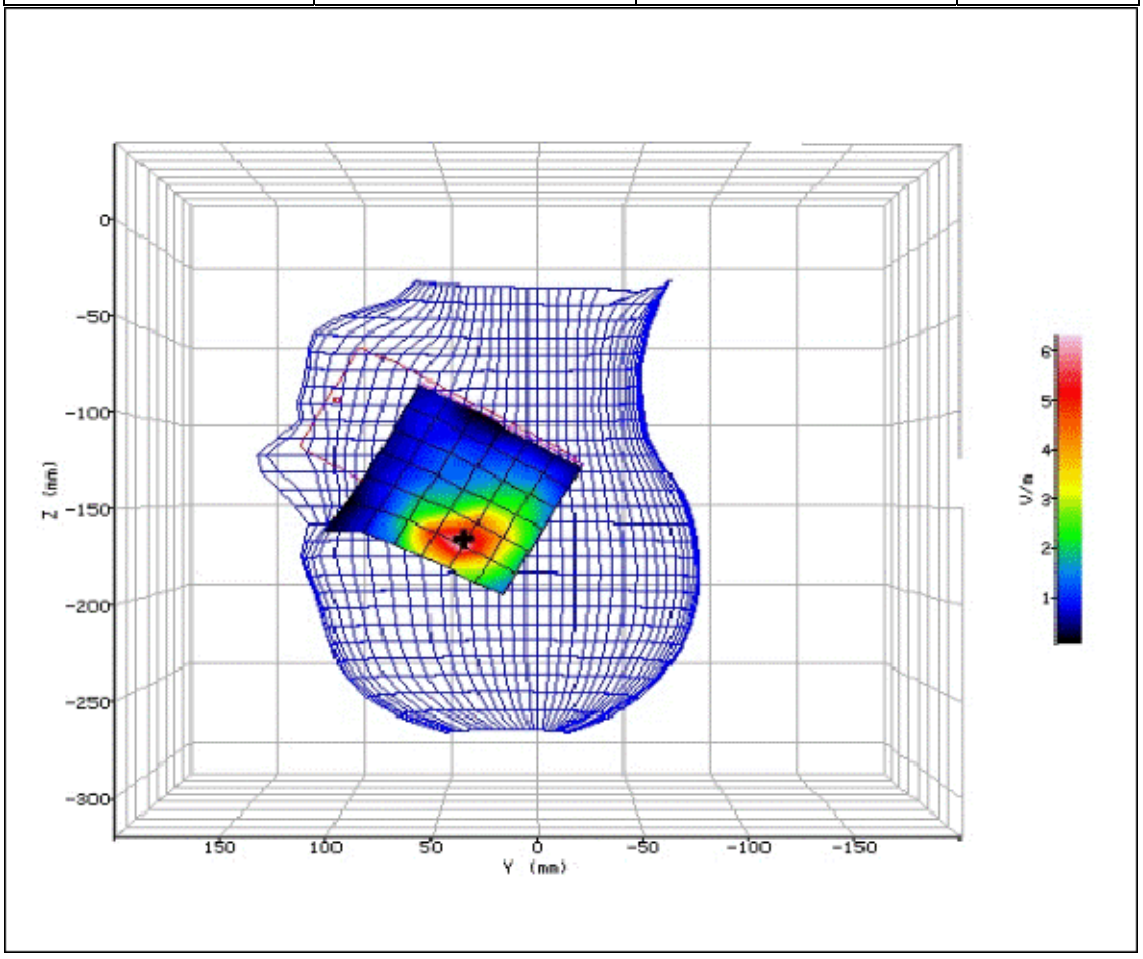

Figure 104: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-12:29:18	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	34.80mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-172.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.142
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.027 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.027 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.027 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	1.200 %

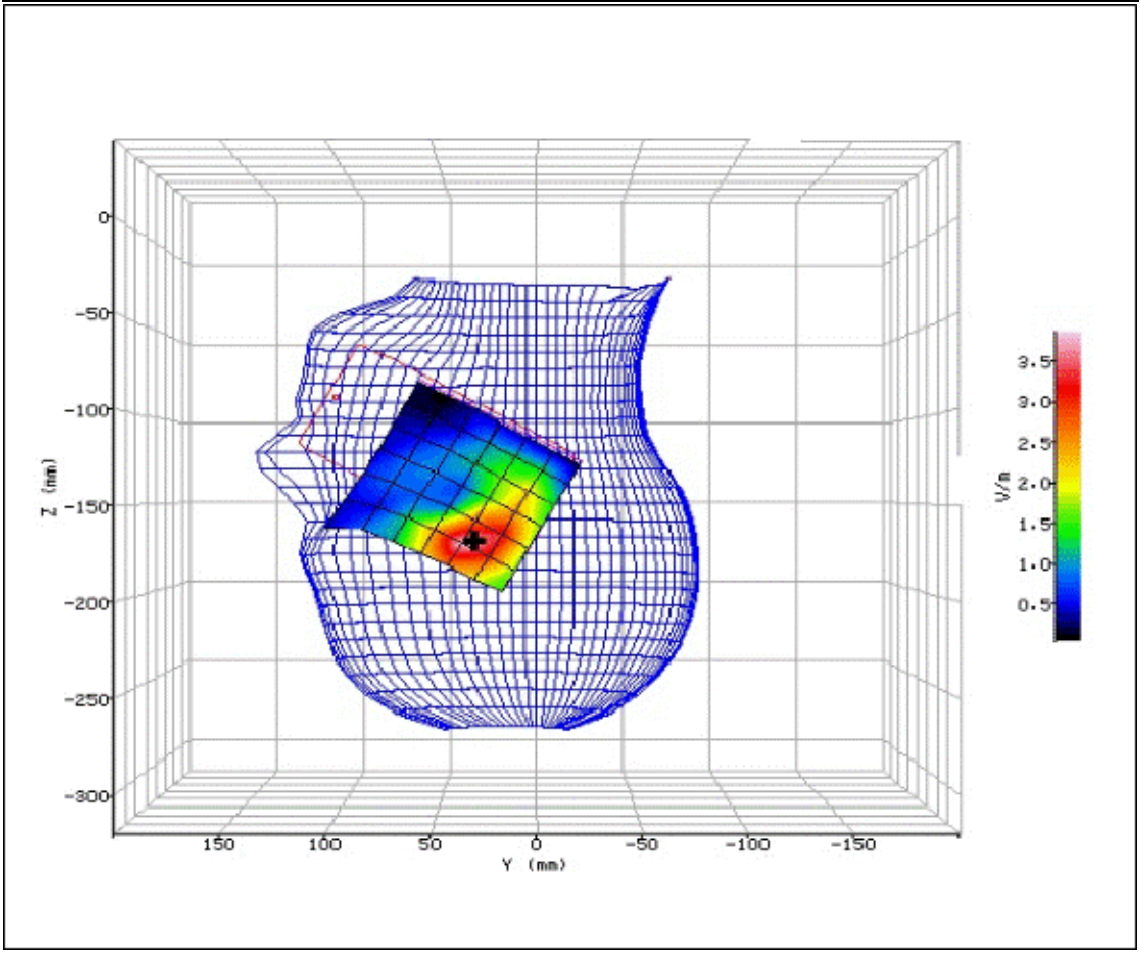

Figure 105: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-08:47:04	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	11.10mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-114.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.429
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.035 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.028 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.028 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	0.300 %

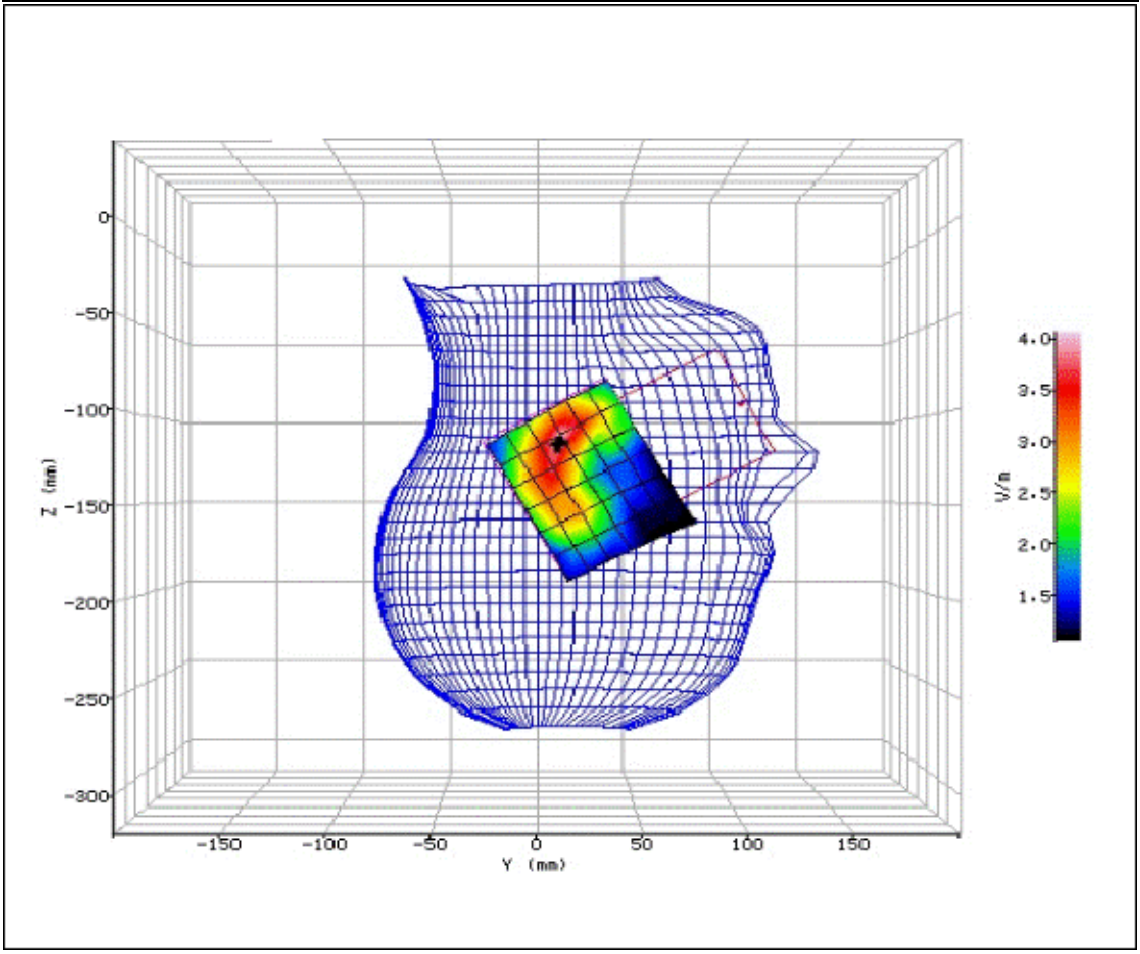

Figure 106: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-09:13:22	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	14.50mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-152.10mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.569
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.016 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.014 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.015 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	0.981 %

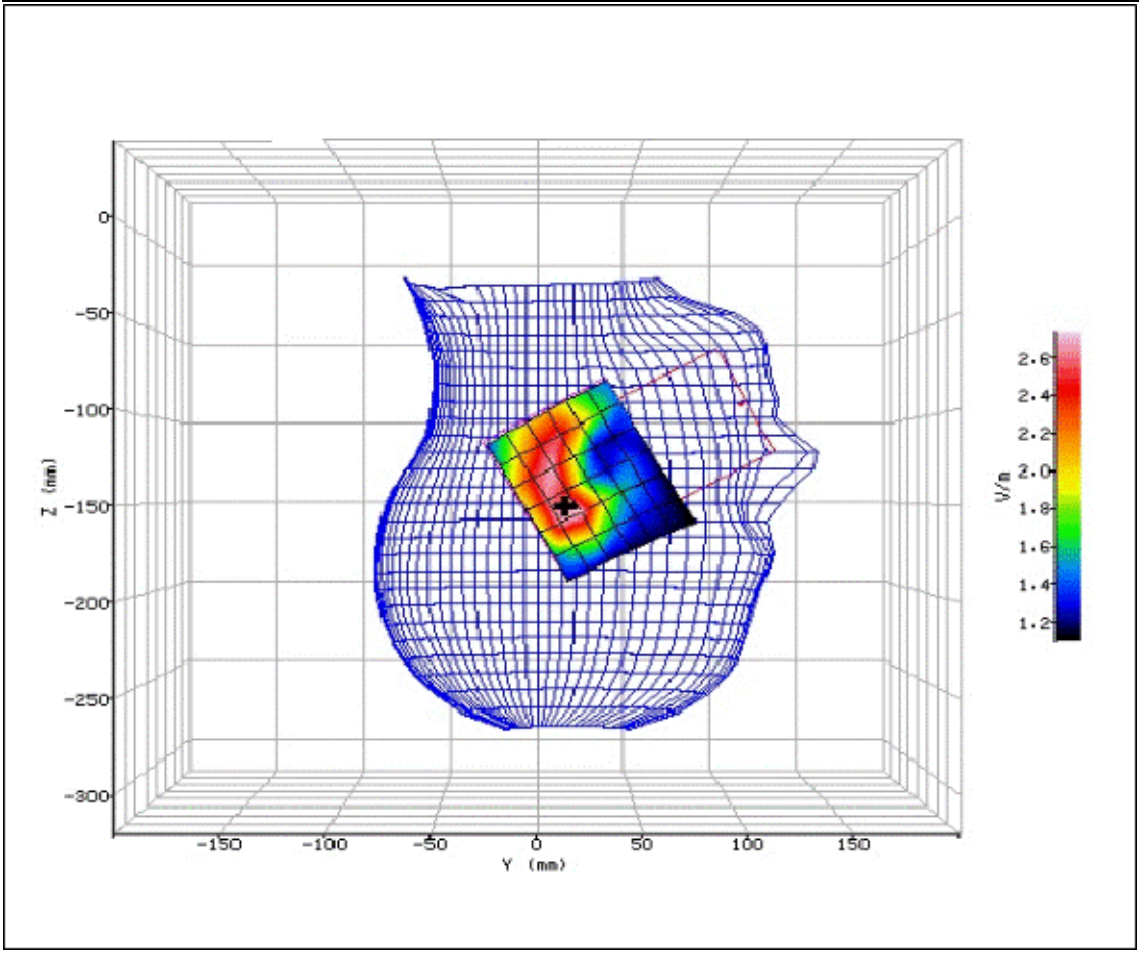

Figure 107: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.20 WLAN 2450MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-13:03:33	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-36.60mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	43.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.721
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.019 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.019 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.019 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	-3.200 %

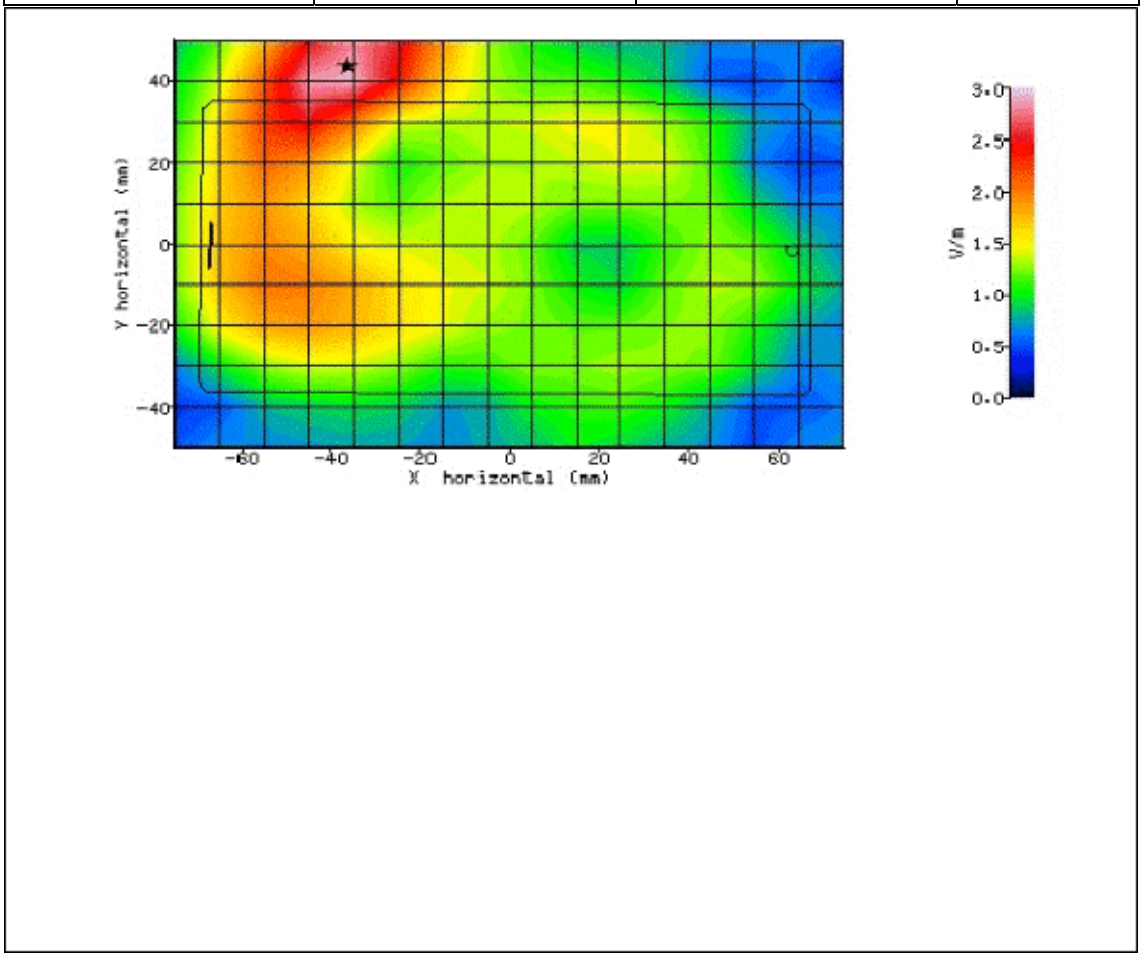

Figure 108: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-13:55:19	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-39.10mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	-28.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	6.573
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.123 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.134 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.131 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	-2.300 %

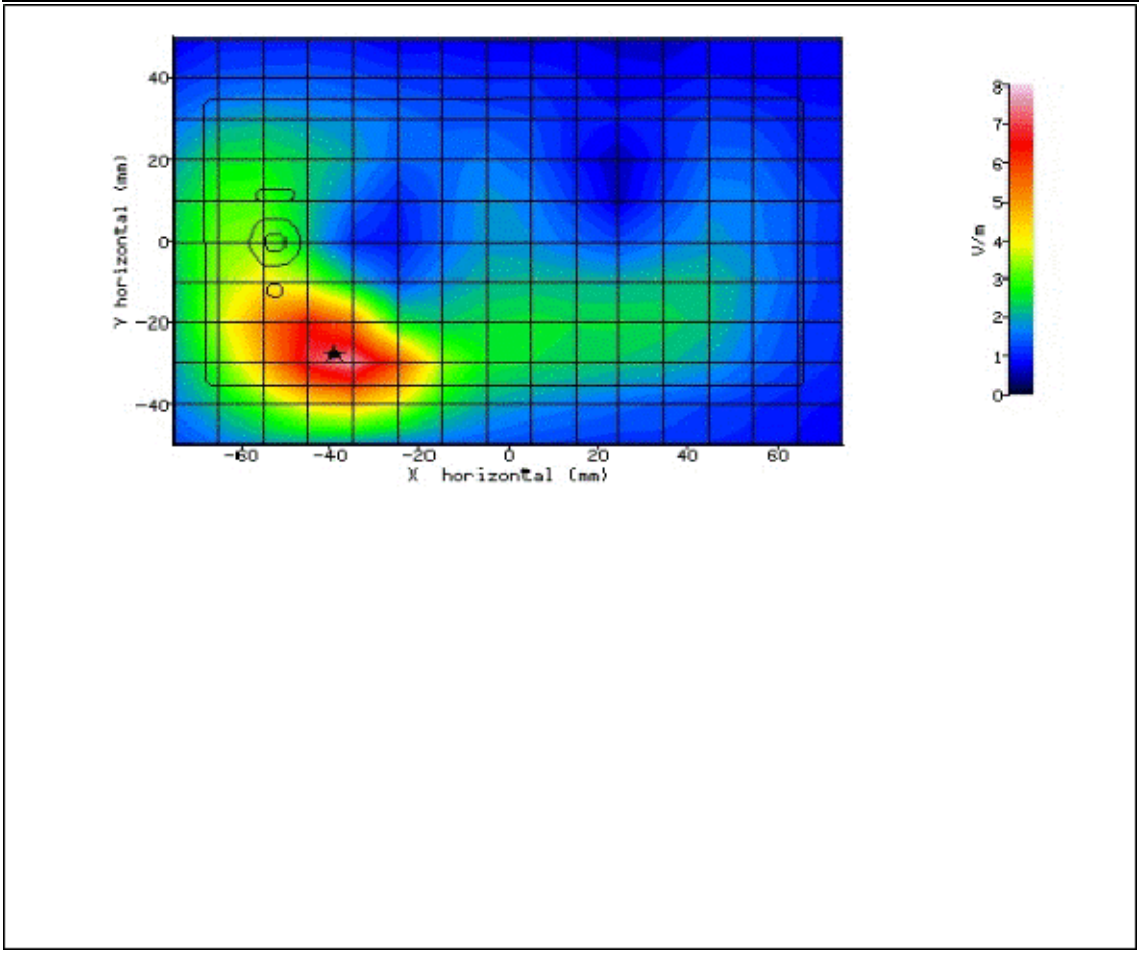

Figure 109: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-12:37:25	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-38.80mm
DUT POSITION:	10mm-Left Edge	MAX SAR Y-AXIS LOCATION:	6.90mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	5.262
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.068 W/kg
TYPE OF MODULATION:	WLAN (DSSS)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.071 W/kg
INPUT POWER LEVEL:	14dBm	SAR END:	0.072 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	1.200 %

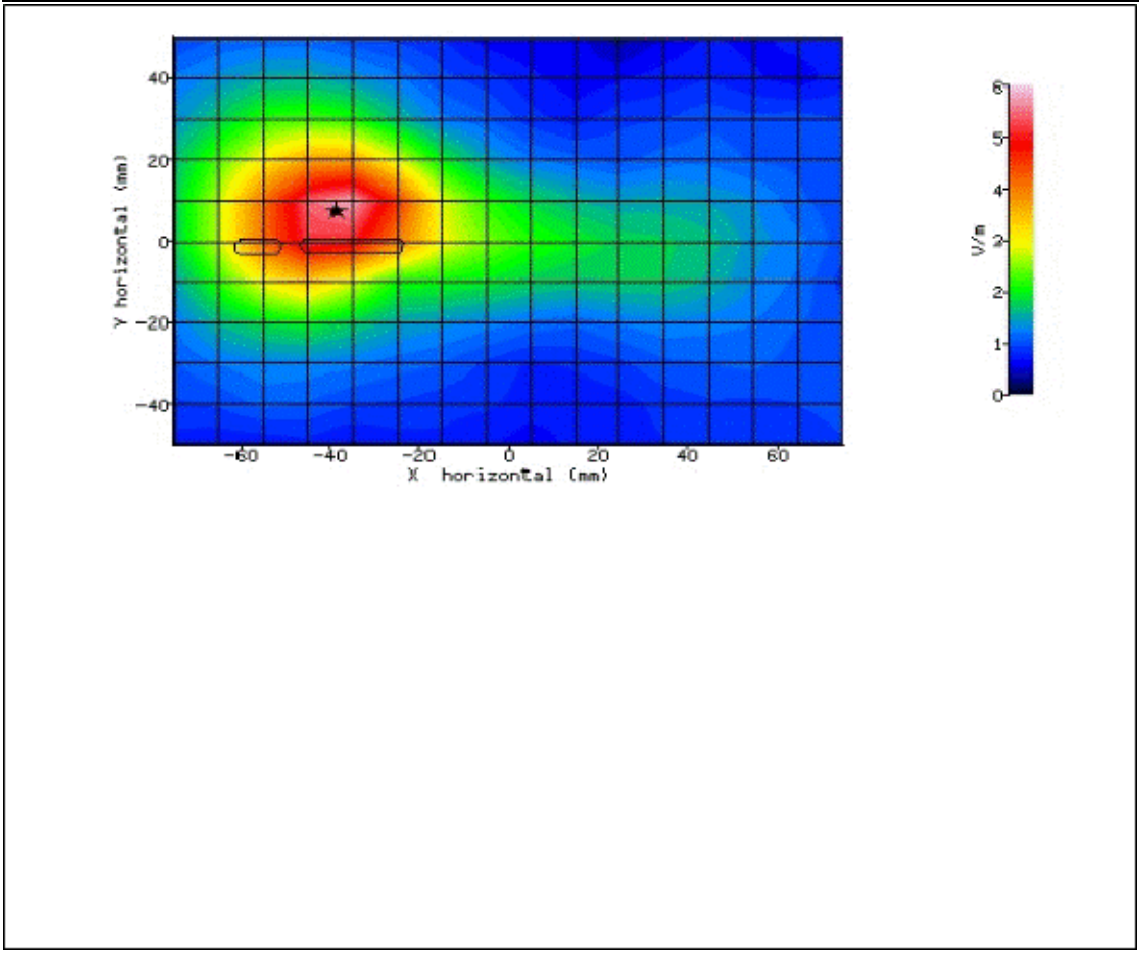

Figure 110: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.21 WLAN 2450MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-13:23:26	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	3.40mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-104.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.538
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.006 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.006 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.006 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	2.200 %

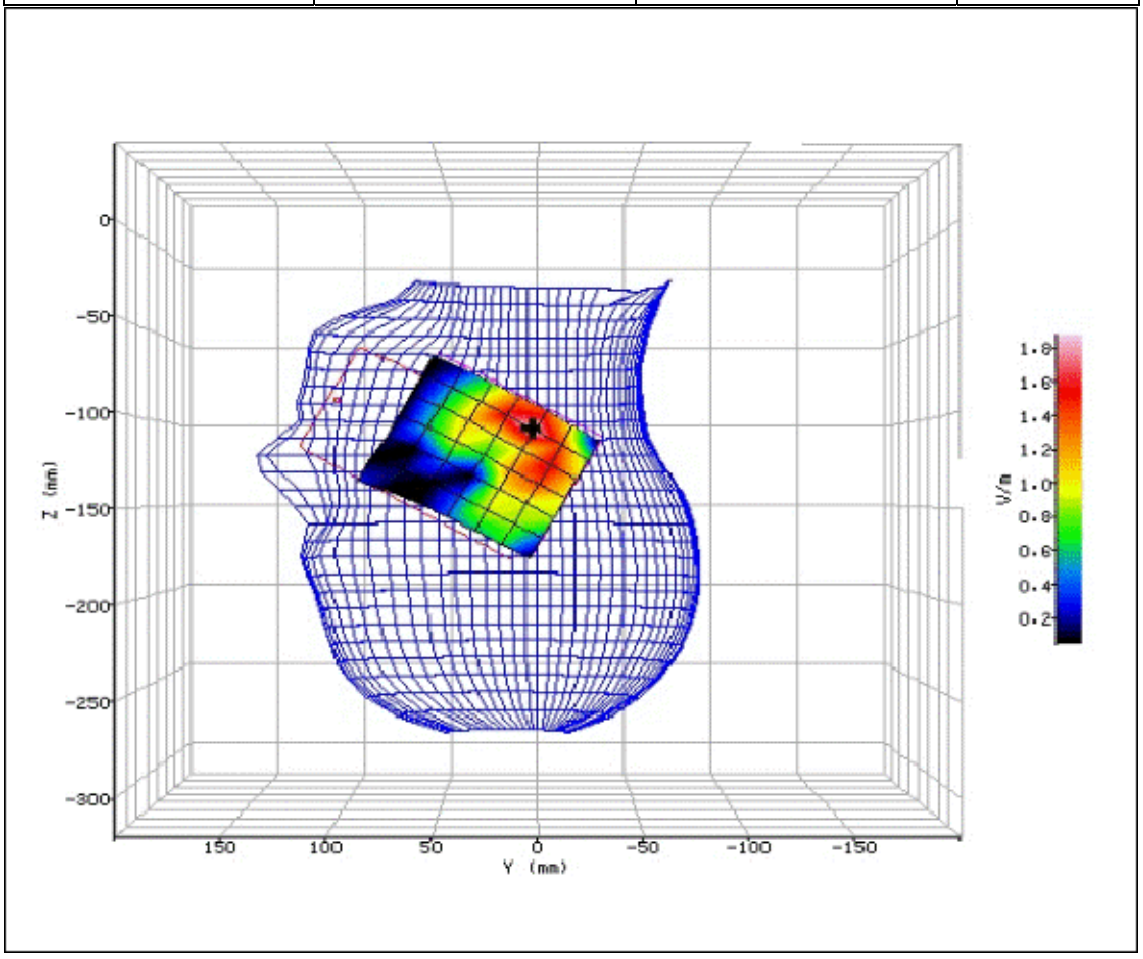

Figure 111: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-13:45:14	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	-2.20mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-108.20mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.177
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.004 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.004 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.004 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	1.800 %

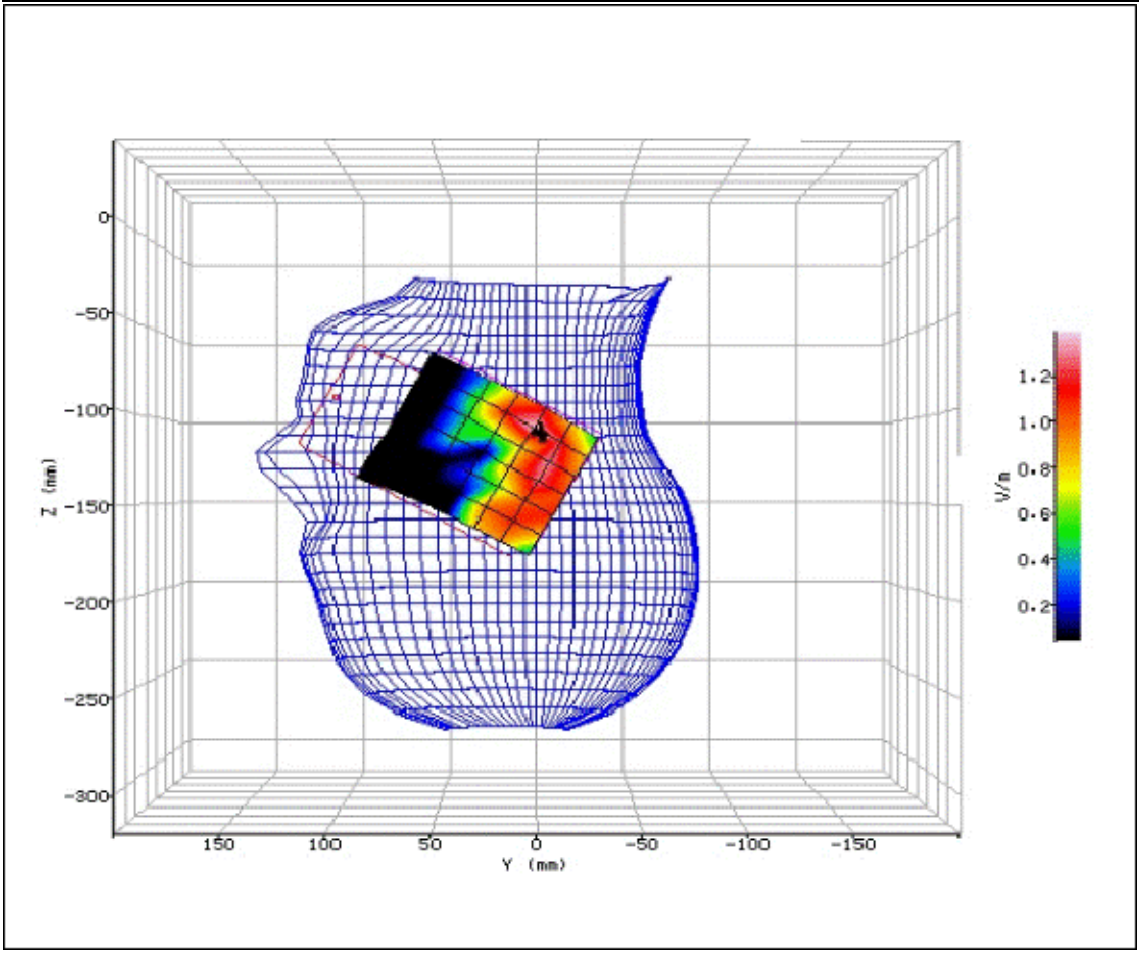

Figure 112: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-09:44:04	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	34.70mm
DUT POSITION:	Right-Cheek	MAX SAR Z-AXIS LOCATION:	-175.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.190
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.031 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.022 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.021 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	-0.700 %

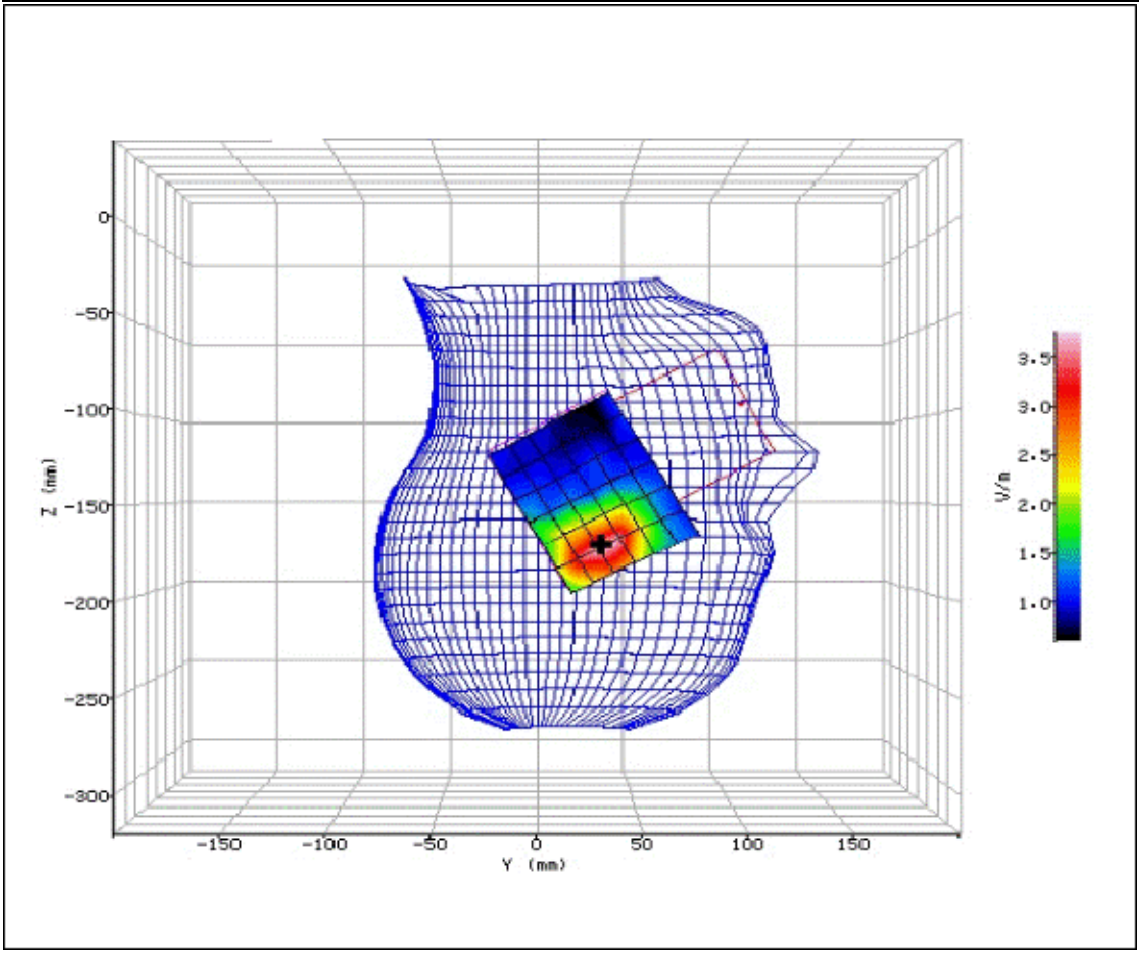

Figure 113: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	05/05/2015-10:09:50	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	23.60°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	47.60%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.20°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	30.50mm
DUT POSITION:	Right-15°	MAX SAR Z-AXIS LOCATION:	-179.60mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.568
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.018 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.017 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.018 W/kg
PROBE BATTERY LAST CHANGED:	05/05/2015	SAR DRIFT DURING SCAN:	3.400 %

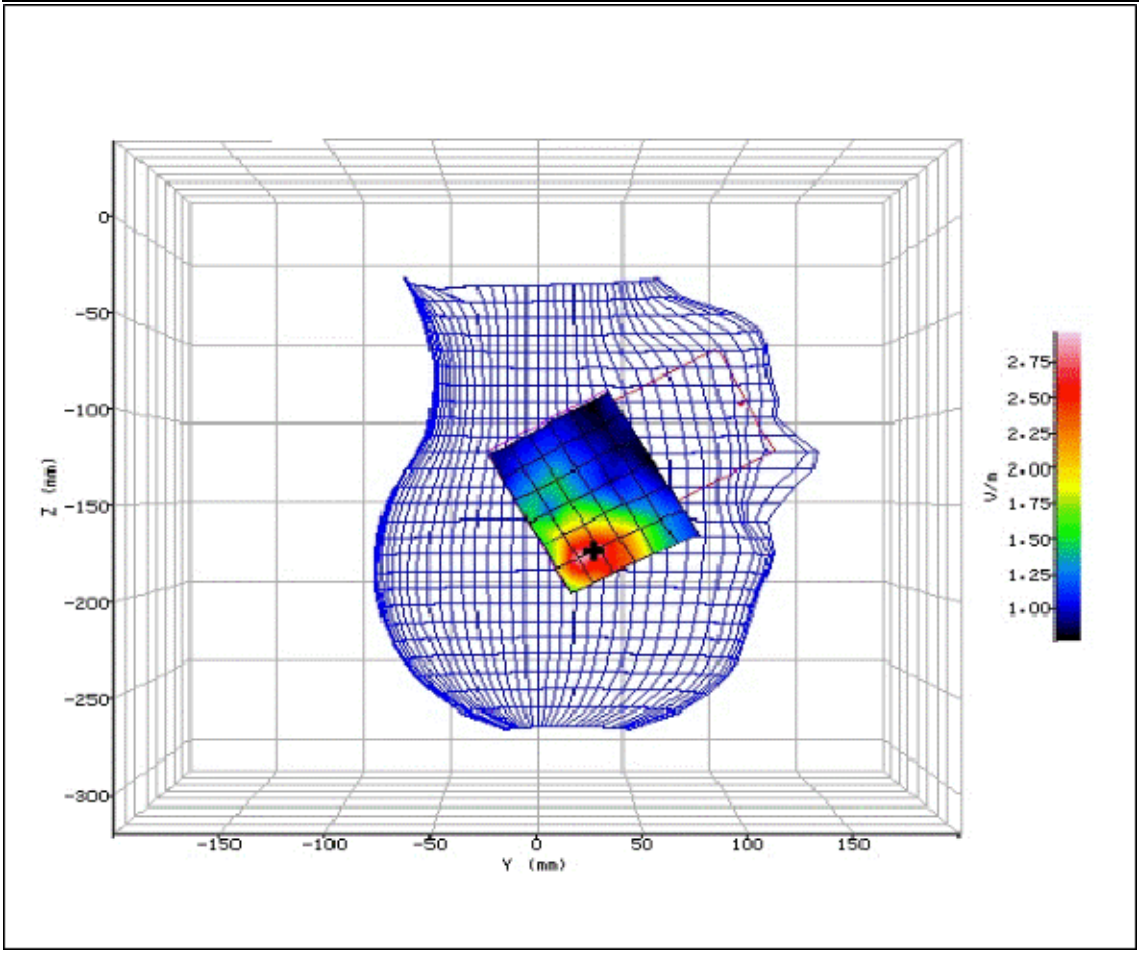

Figure 114: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.22 WLAN 2450MHz BODY SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-14:40:07	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-52.00mm
DUT POSITION:	10mm-Front Facing	MAX SAR Y-AXIS LOCATION:	-44.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.677
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.007 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.008 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.008 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	2.900 %

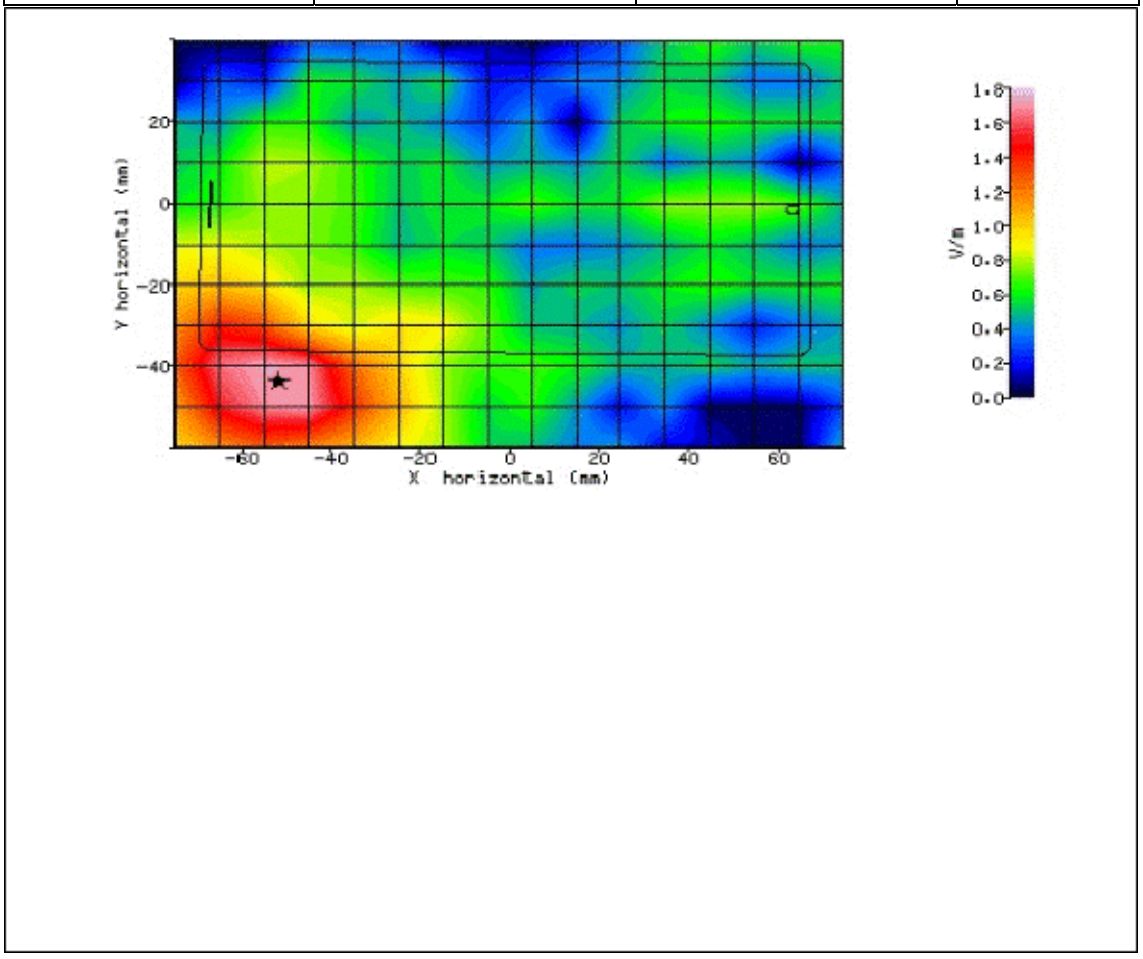

Figure 115: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-15:22:04	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-48.70mm
DUT POSITION:	10mm-Rear Facing	MAX SAR Y-AXIS LOCATION:	33.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	5.579
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.091 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.098 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.100 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	1.300 %

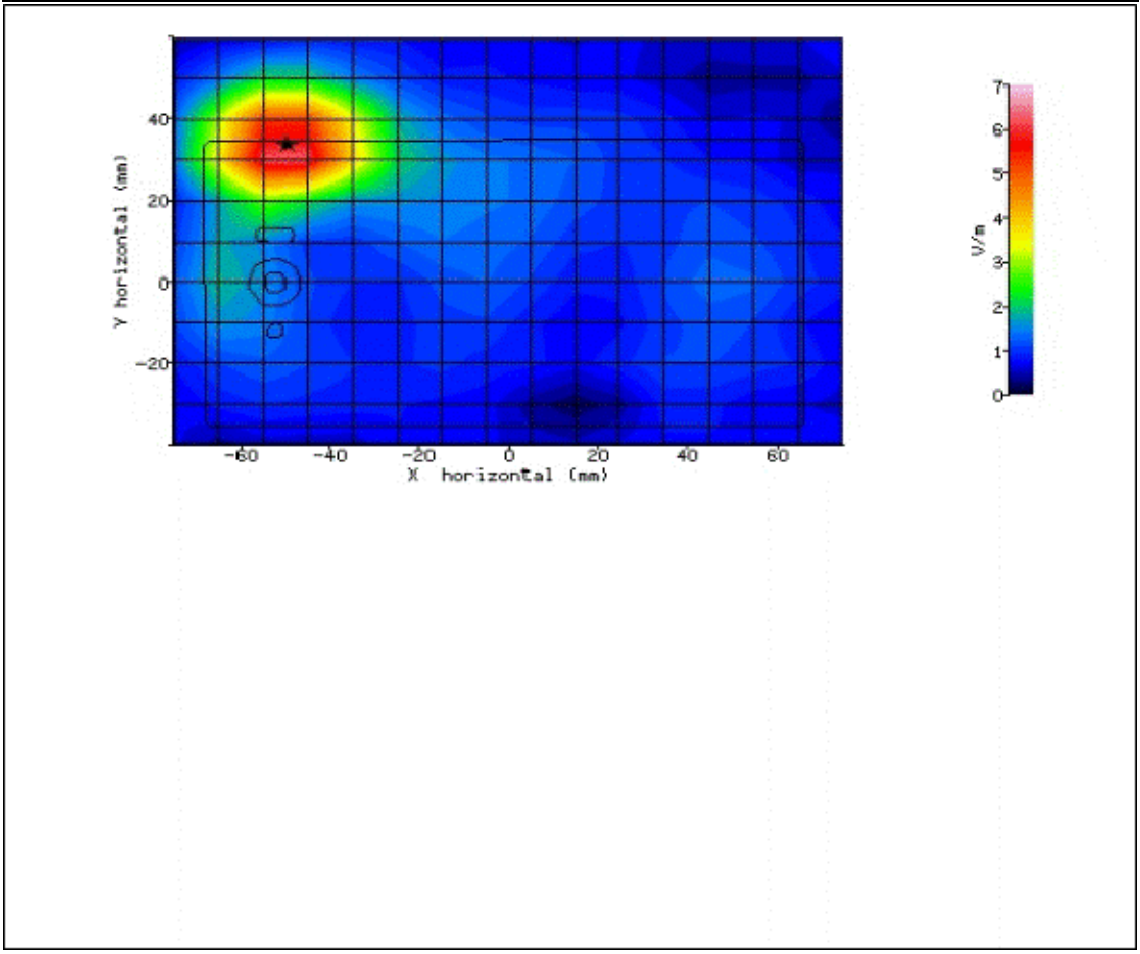

Figure 116: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-15:54:46	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	-50.20mm
DUT POSITION:	10mm-Right Edge	MAX SAR Y-AXIS LOCATION:	-8.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	4.164
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.046 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.049 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.050 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	1.900 %

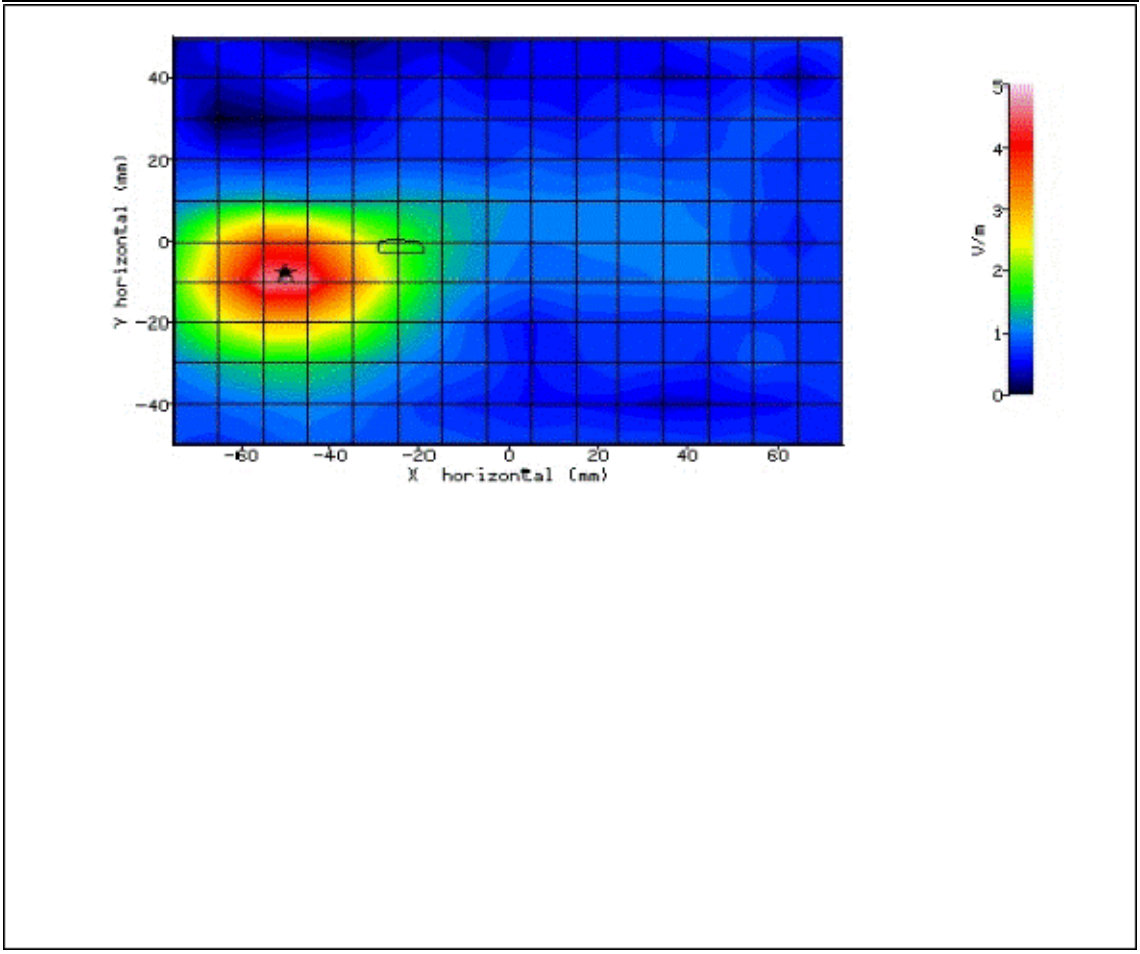

Figure 117: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	30/04/2015-16:13:16	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	49.80
RELATIVE HUMIDITY:	30.60%	CONDUCTIVITY:	2.001
PHANTOM S/NO:	IXB-2HF	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR X-AXIS LOCATION:	46.30mm
DUT POSITION:	10mm-Top Edge	MAX SAR Y-AXIS LOCATION:	-11.40mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	1.519
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.005 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.005 W/kg
INPUT POWER LEVEL:	9.2dBm	SAR END:	0.005 W/kg
PROBE BATTERY LAST CHANGED:	30/04/2015	SAR DRIFT DURING SCAN:	-0.500 %

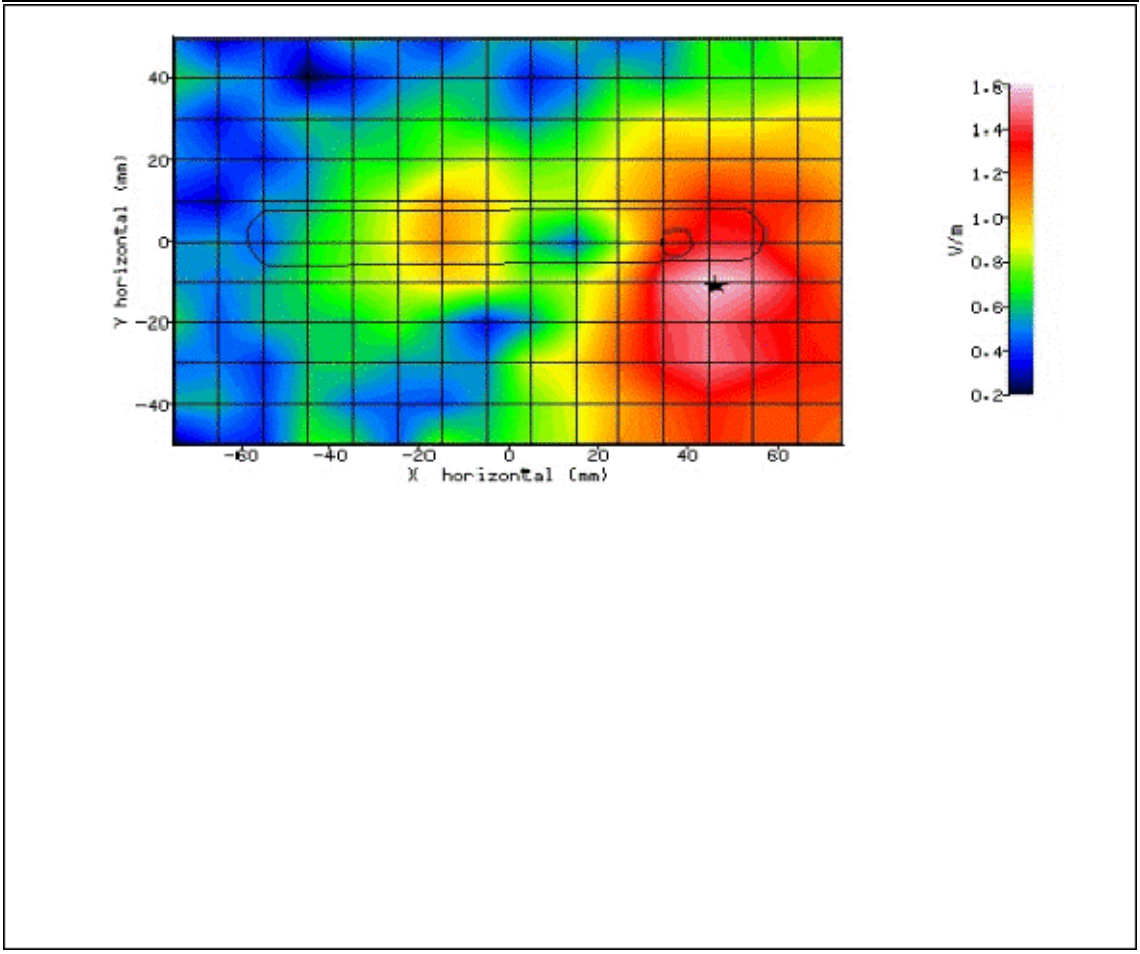

Figure 118: SAR Body Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

2.23 WLAN 2450MHz HEAD SAR TEST RESULTS AND COURSE AREA SCANS – 2D

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-14:38:09	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	42.80mm
DUT POSITION:	Left-Cheek	MAX SAR Z-AXIS LOCATION:	-171.80mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	3.177
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.028 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.031 W/kg
INPUT POWER LEVEL:	11dBm	SAR END:	0.031 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	0.000 %

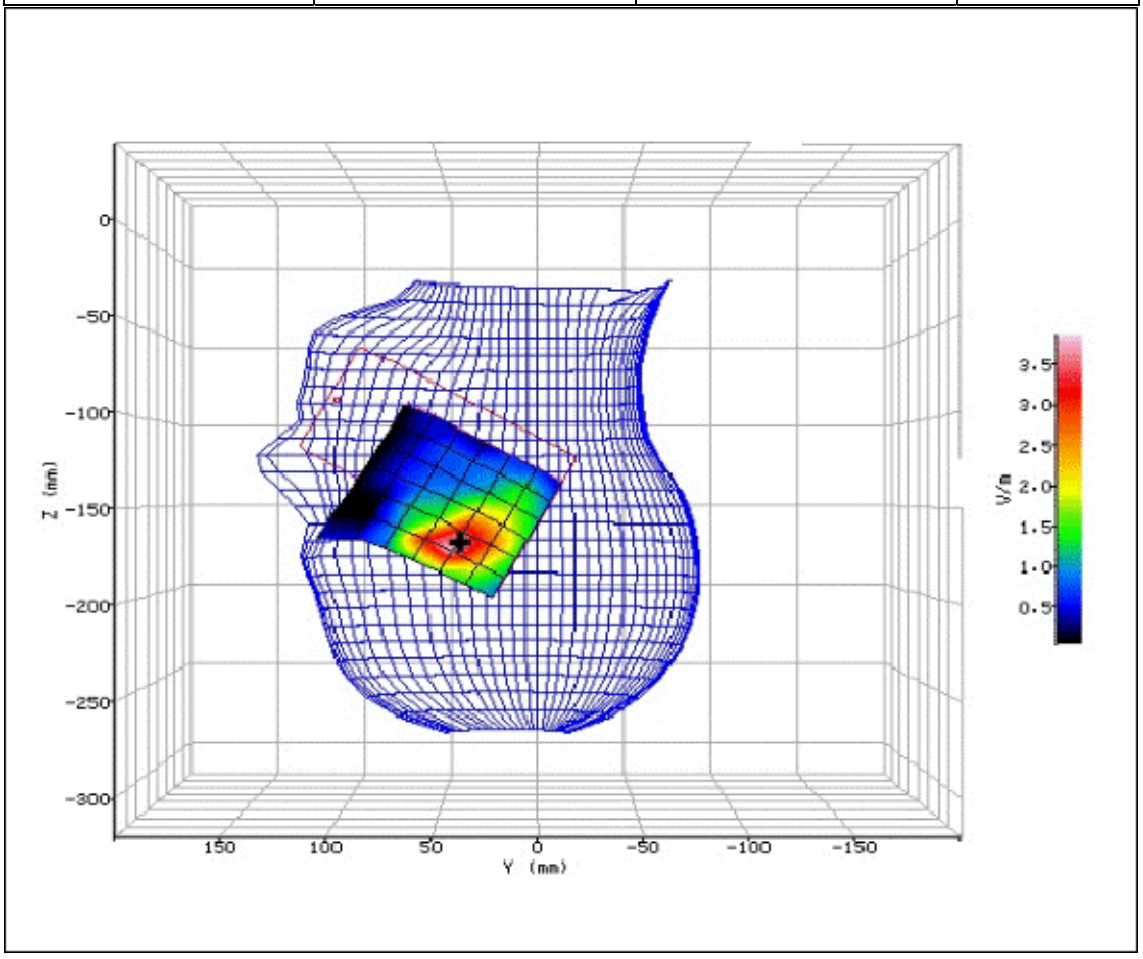

Figure 119: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.

SYSTEM / SOFTWARE:	SARA-C / v6.09.15	INPUT POWER DRIFT:	0 dB
DATE / TIME:	01/05/2015-15:09:45	DUT BATTERY MODEL/NO:	Integral
AMBIENT TEMPERATURE:	22.80°C	LIQUID SIMULANT:	2450
DEVICE UNDER TEST:	SHV32	RELATIVE PERMITTIVITY:	37.68
RELATIVE HUMIDITY:	27.90%	CONDUCTIVITY:	1.774
PHANTOM S/NO:	IXB-040	LIQUID TEMPERATURE:	23.00°C
PHANTOM ROTATION:	N/A	MAX SAR Y-AXIS LOCATION:	31.60mm
DUT POSITION:	Left-15°	MAX SAR Z-AXIS LOCATION:	-173.30mm
ANTENNA CONFIGURATION:	N/A	MAX E FIELD:	2.114
TEST FREQUENCY:	2437.0MHz	SAR 1g:	0.010 W/kg
TYPE OF MODULATION:	WLAN (OFDM)	SAR 10g:	N/A
MODN. DUTY CYCLE:	100%	SAR START:	0.011 W/kg
INPUT POWER LEVEL:	11dBm	SAR END:	0.011 W/kg
PROBE BATTERY LAST CHANGED:	01/05/2015	SAR DRIFT DURING SCAN:	-1.500 %

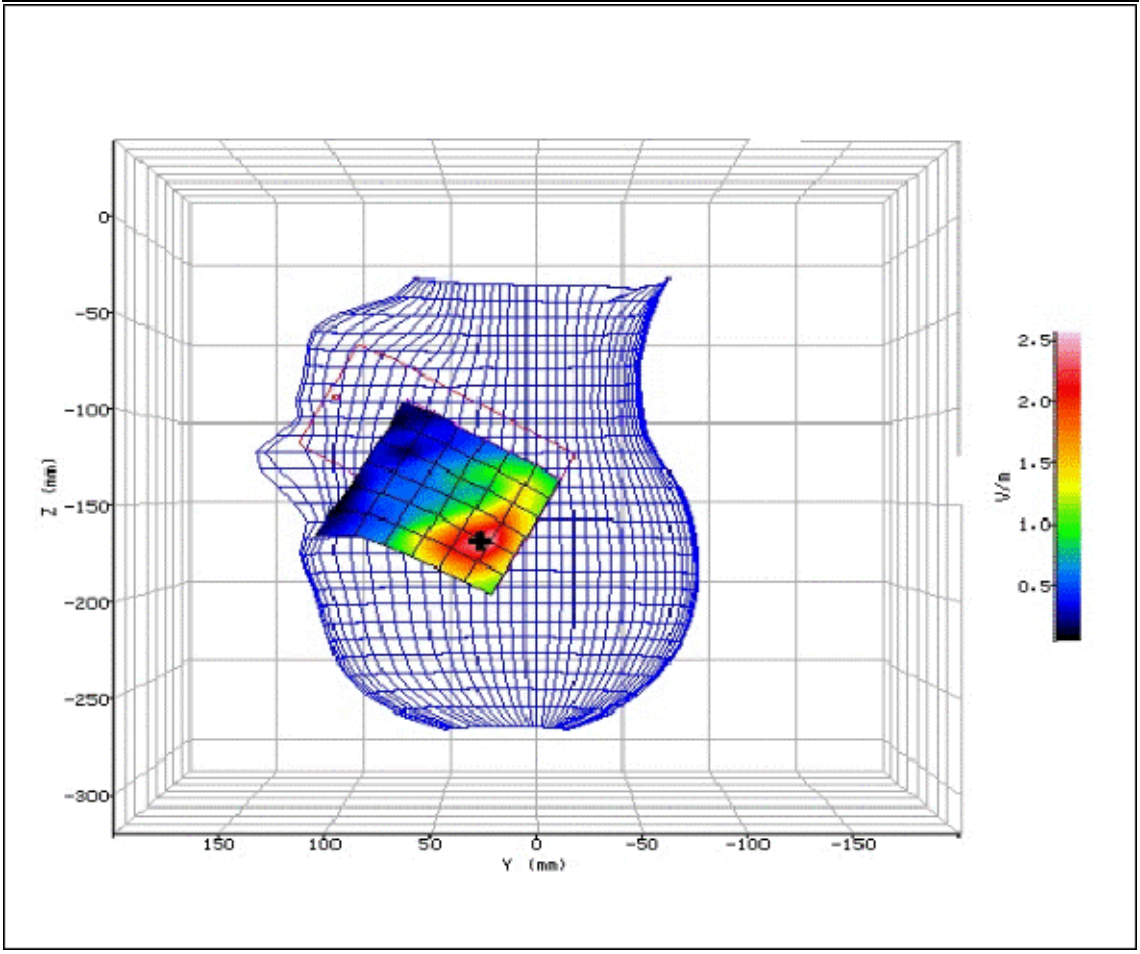

Figure 120: SAR Head Testing Results for the Sharp SHV32 Mobile Handset at 2437.0MHz.