

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132047	132322	132597
15MHz	QPSK	1	0	0	22.75	22.56	22.01
			37	0	23.64	22.86	22.52
			74	0	23.27	22.98	22.51
		38	0	1	21.82	22.08	21.75
			16	1	22.50	21.84	21.73
			35	1	22.65	22.02	21.03
		75	0	1	22.29	22.07	21.66
	16QAM	1	0	1	22.70	21.94	21.28
			37	1	21.95	21.84	21.83
			74	1	22.70	22.02	21.67
		38	0	2	22.65	21.93	21.73
			16	2	21.82	22.08	21.29
			35	2	22.50	21.94	21.67
		75	0	2	21.22	21.12	20.66
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132072	132322	132572
20MHz	QPSK	1	0	0	23.21	22.84	22.67
			49	0	23.57	22.99	22.83
			99	0	23.45	23.08	22.09
		50	0	1	22.44	22.17	21.73
			25	1	22.43	22.06	21.74
			49	1	22.20	21.96	21.54
		100	0	1	22.28	22.12	21.59
	16QAM	1	0	1	22.69	21.96	22.32
			49	1	22.90	22.53	21.75
			99	1	22.06	21.90	22.45
		50	0	2	21.16	21.23	20.83
			25	2	21.49	21.04	20.83
			49	2	21.49	21.14	20.54
		100	0	2	21.32	21.19	20.66

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Conducted Power of LTE Band 71(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					133147	133297	133447
5MHz	QPSK	1	0	0	22.61	22.66	22.93
			12	0	22.55	22.74	23.01
			24	0	22.53	22.90	22.92
		12	0	1	21.73	21.72	22.10
			6	1	21.74	21.83	22.01
			11	1	21.72	21.85	22.07
		25	0	1	21.64	21.81	22.05
	16QAM	1	0	1	21.71	21.88	21.92
			12	1	21.83	21.88	21.99
			24	1	21.64	22.05	21.94
		12	0	2	20.80	20.95	21.07
			6	2	20.74	20.95	21.07
			11	2	20.71	20.98	21.03
		25	0	2	20.83	20.86	21.04
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					133172	133297	133422
10MHz	QPSK	1	0	0	22.78	22.60	23.18
			24	0	22.70	23.15	22.90
			49	0	22.69	23.02	22.82
		25	0	1	21.76	21.89	22.18
			12	1	21.85	21.89	22.09
			25	1	21.75	22.01	22.19
		50	0	1	21.71	21.85	22.15
	16QAM	1	0	1	21.73	21.54	22.18
			24	1	22.02	22.17	22.13
			49	1	21.87	22.01	22.02
		25	0	2	20.90	20.88	21.14
			12	2	20.81	20.97	21.20
			25	2	20.62	21.20	21.23
		50	0	2	20.78	20.76	21.21

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Conducted Power of LTE Band 71(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					133197	133297	133397
15MHz	QPSK	1	0	0	22.68	22.50	22.84
			37	0	22.77	22.62	23.05
			74	0	22.94	22.90	22.84
		38	0	1	21.80	21.73	22.08
			16	1	21.87	21.73	22.29
			35	1	21.93	22.10	21.63
		75	0	1	21.72	21.94	22.09
	16QAM	1	0	1	21.75	21.73	22.09
			37	1	21.90	21.85	22.29
			74	1	21.85	22.14	22.12
		38	0	2	21.79	21.73	22.09
			16	2	21.86	21.73	22.29
			35	2	22.02	21.87	22.04
		75	0	2	20.68	20.94	21.09
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					133222	133322	133372
20MHz	QPSK	1	0	0	22.68	22.68	22.69
			49	0	23.12	23.34	23.46
			99	0	22.96	22.83	22.87
		50	0	1	21.71	22.09	22.12
			25	1	21.70	22.12	22.12
			49	1	21.91	22.20	22.16
		100	0	1	21.80	22.13	22.17
	16QAM	1	0	1	21.71	21.82	22.25
			49	1	22.54	22.93	23.16
			99	1	22.00	22.02	22.44
		50	0	2	20.78	21.09	21.09
			25	2	20.85	21.10	21.01
			49	2	20.86	21.28	21.24
		100	0	2	20.75	21.19	21.16

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The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

**Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3**

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	>5	>4	>8	>12	>16	>18	≤1
16QAM	≤5	≤4	≤8	≤12	≤16	≤18	≤1
16QAM	>5	>4	>8	>12	>16	>18	≤2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS\_01".3

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**Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements**

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks ( $N_{RB}$ )	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	$\leq 1$
			5	>6	$\leq 1$
			10	>6	$\leq 1$
			15	>8	$\leq 1$
			20	>10	$\leq 1$
NS_04	6.6.2.2.3.2	41	5	>6	$\leq 1$
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	$\geq 50$	$\leq 1$
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	$\leq 3$
NS_09	6.6.3.3.3.4	21	10, 15	> 40	$\leq 1$
				> 55	$\leq 2$
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10	28	5, 10	Table 5.4.2-1	N/A
	6.6.3.3.11	28	5	$\geq 2$	$\leq 1$
NS_18			10, 15, 20	$\geq 1$	$\leq 4$
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
...					
NS_20	-	-	-	-	-

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## 13. TEST RESULTS

### 13.1. SAR Test Results Summary

#### 13.1.1. Test position and configuration

Face up SAR was performed with the device configured in the positions and Body SAR was performed with the device configured with all accessories close to the Flat Phantom.

#### 13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is  $\geq 0.8$ W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
  - (1) When the original highest measured SAR is  $\geq 0.8$ W/kg, repeat that measurement once.
  - (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $>1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg.
  - (3) Perform a third repeated measurement only if the original, first and second repeated measurement is  $\geq 1.5$  W/kg and ratio of largest to smallest SAR for the original, first and second measurement is  $\geq 1.20$ .
3. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:  
Maximum Scaling SAR =tested SAR (Max.)  $\times$  [maximum turn-up power (mw)/ maximum measurement output power(mw) ]
4. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
5. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
6. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
7. Per KDB 941125 D05v02r05. For QPSK with 100% RB allocation. SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1RB allocation and the highest reported SAR is  $>1.45$  W/kg, the remaining required test channels must also be tested.
8. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$ W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
9. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is  $>$ not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$ W/kg. Per KDB 941125 D05v02r05, smaller bandwidth SAR testing is not required.
10. When testing antennas with the default battery: the same test measurement with head part.

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11. The EUT only contains the Testing antenna, Standard battery and default body-worn accessory specified by customer. The earphone is only for testing

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### 13.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 52.8					
Product: POC Radio									
Test Mode: WCDMA Band II with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	9400	1880	-0.05	0.291	23.10	23.01	0.297	1.6
Face up	RMC 12.2kbps	9400	1880	0.09	0.235	23.10	23.01	0.240	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 51.7					
Product: POC Radio									
Test Mode: WCDMA Band IV with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	8662	1732.4	-0.15	0.636	22.00	21.98	0.639	1.6
Face up	RMC 12.2kbps	8662	1732.4	-0.18	0.233	22.00	21.98	0.234	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 48.1					
Product: POC Radio									
Test Mode: WCDMA Band V with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	4183	836.4	0.07	0.336	23.20	22.48	0.397	1.6
Face up	RMC 12.2kbps	4183	836.4	-0.11	0.186	23.20	22.48	0.220	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 52.8						
Product: POC Radio												
Test Mode: LTE Band 2												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	18900	1880	0.16	0.327	23.10	21.80	0.441	1.6
		Face up	1	0	18900	1880	-0.12	0.210	23.10	21.80	0.283	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 51.7						
Product: POC Radio												
Test Mode: LTE Band 4												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	20050	1720	0.21	0.838	23.10	23.08	0.842	1.6
		Body back	1	0	20175	1732.5	-0.26	0.828	23.10	22.87	0.873	1.6
		Body back	1	0	20300	1745	-0.21	<b>0.847</b>	23.10	22.93	<b>0.881</b>	1.6
		Face up	1	0	20175	1732.5	0.19	<b>0.341</b>	23.10	22.87	<b>0.360</b>	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 48.1						
Product: POC Radio												
Test Mode: LTE Band 5												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	20525	836.5	-0.09	0.373	24.00	22.79	0.493	1.6
		Face up	1	0	20525	836.5	0.05	0.200	24.00	22.79	0.264	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 59.3							
Product: POC Radio												
Test Mode: LTE Band 12												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	23095	707.5	0.14	0.376	24.70	23.14	0.539	1.6
		Face up	1	0	23095	707.5	-0.12	0.213	24.7	23.14	0.305	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 59.3						
Product: POC Radio												
Test Mode: LTE Band 13												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	23230	782	-0.06	0.487	22.80	22.76	0.492	1.6
		Face up	1	0	23230	782	-0.08	0.138	22.80	22.76	0.139	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 59.3							
Product: POC Radio												
Test Mode: LTE Band 14												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	23330	793	-0.17	0.421	24.60	24.30	0.451	1.6
		Face up	1	0	23330	793	-0.12	0.141	24.60	24.30	0.151	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 51.7							
Product: LTE smartphone												
Test Mode: LTE Band 66												
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/Kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	132422	1755	-0.23	0.331	23.70	22.84	0.403	1.6
		Face up	1	0	132422	1755	0.21	0.294	23.70	22.84	0.358	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 59.3						
Product: LTE smartphone												
Test Mode: LTE Band 71												
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/Kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	133322	683	0.17	0.343	23.50	22.68	0.414	1.6
		Face up	1	0	133322	683	-0.14	0.191	23.50	22.68	0.231	1.6

Note:

- When the 1-g Reported SAR is  $\leq 0.8$  W/kg, testing for low and high channel is optional. Refer to KDB 447498.

Repeated SAR											
Product: POC Radio											
Test Mode: LTE Band 4											
Position	Mode		Ch.	Fr. (MHz)	Power Drift ( $\leq \pm 5\%$ )	Once SAR (1g) (W/kg)	Power Drift ( $\leq \pm 5\%$ )	Twice SAR (1g) (W/kg)	Power Drift ( $\leq \pm 5\%$ )	Third SAR (1g) (W/kg)	Limit W/kg
	UL RB Allocation	UL RB START									
Body back	1	0	20300	1745	0.22	0.843	--	--	--	--	1.6

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## APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab

Date: Sep. 30, 2021

System Check Head 750 MHz

DUT: Dipole 750 MHz Type: SID 750

Communication System CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1; Conv.F=5.18

Frequency: 750 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 40.85$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section; Input Power=18dBm

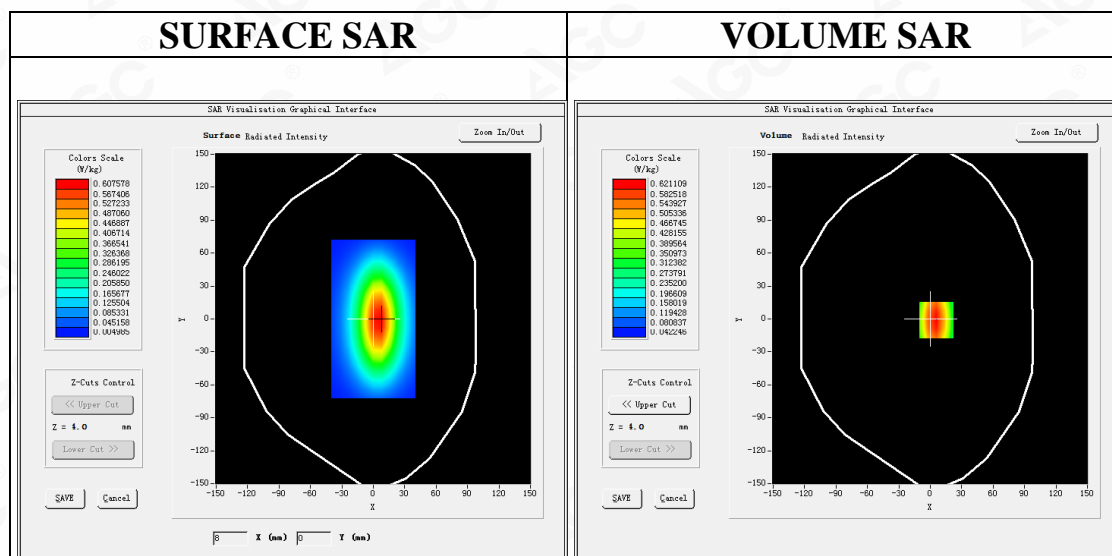
Ambient temperature (°C):21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm



Maximum location: X=6.00, Y=-1.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.354984
SAR 1g (W/Kg)	0.565651

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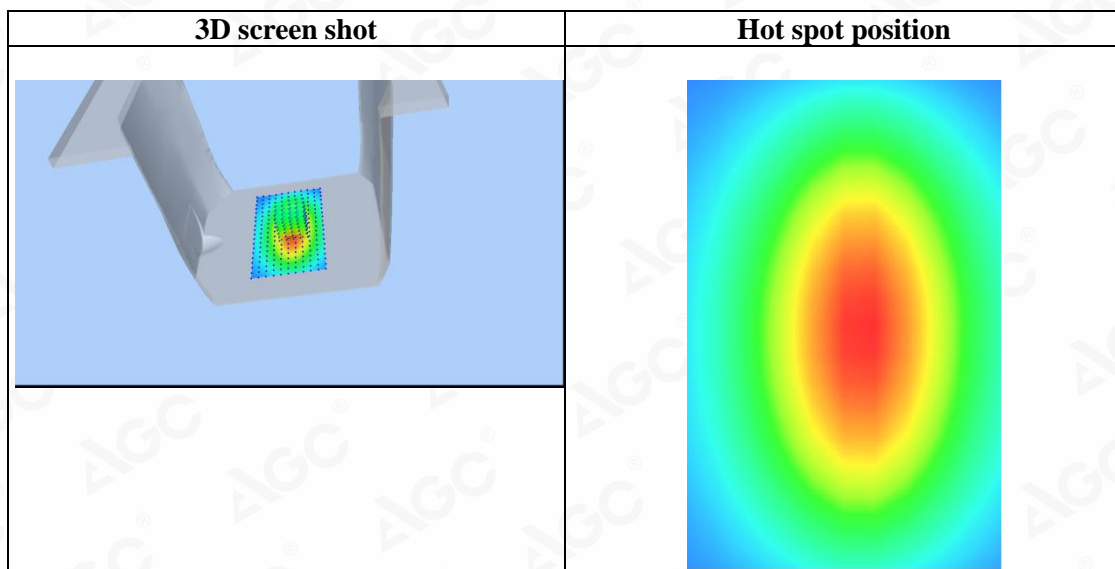
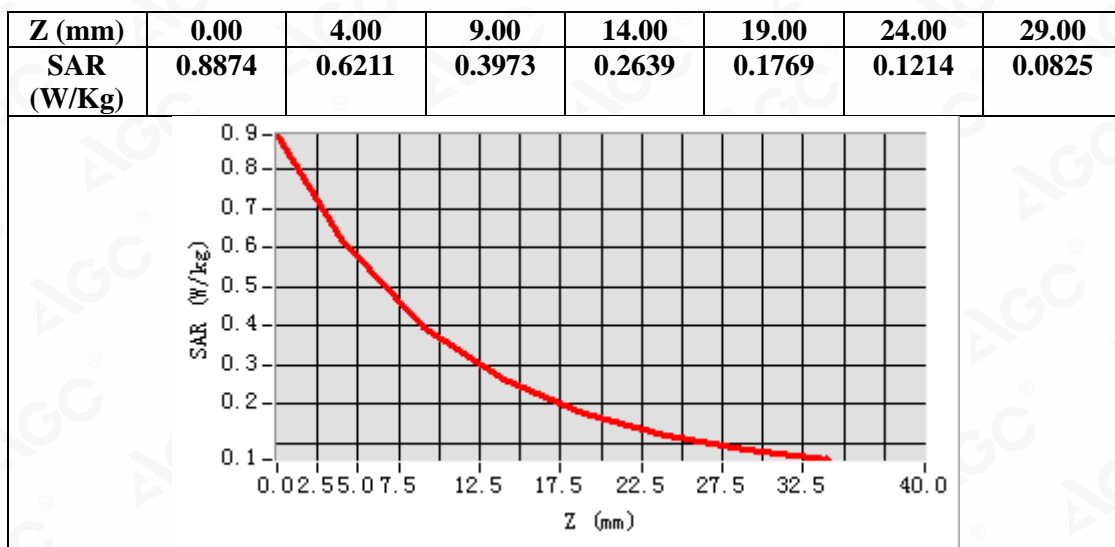
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**Test Laboratory: AGC Lab**  
**System Check Head 835 MHz**  
**DUT: Dipole 835 MHz Type: SID 835**

**Date: Oct. 08, 2021**

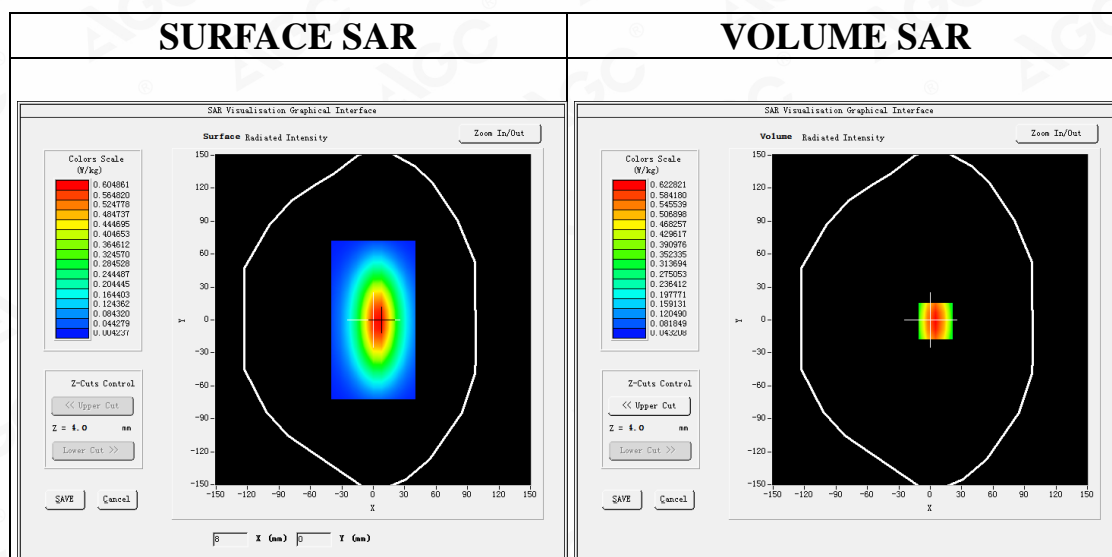
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=5.24  
Frequency: 835 MHz; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.96$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section; Input Power=18dBm  
Ambient temperature (°C):21.4, Liquid temperature (°C): 21.2

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

**Configuration/System Check 835MHz Head/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/System Check 835MHz Head/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5mm



**Maximum location: X=5.00, Y=-1.00**

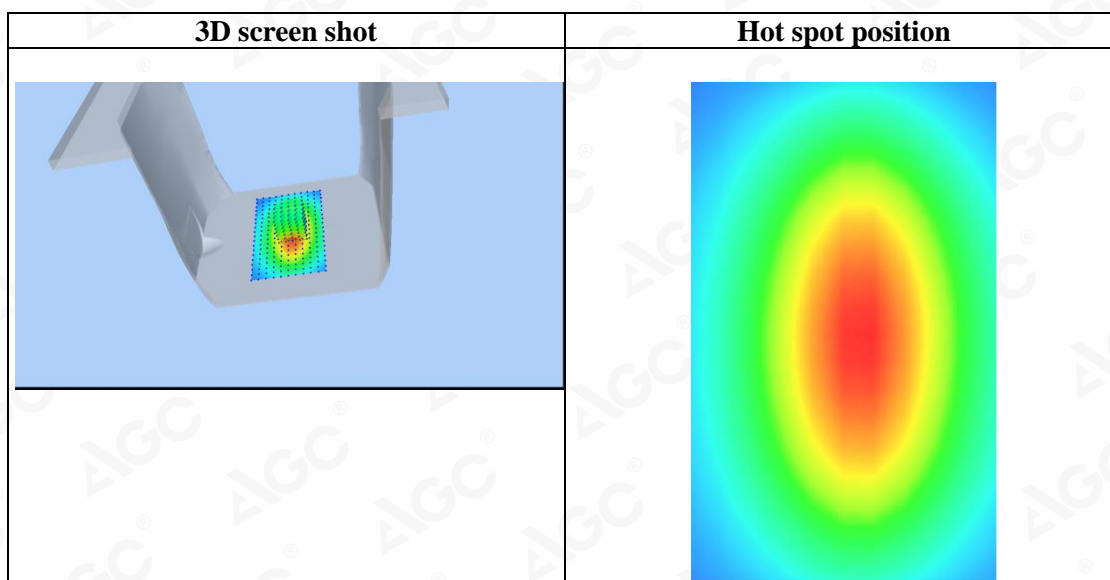
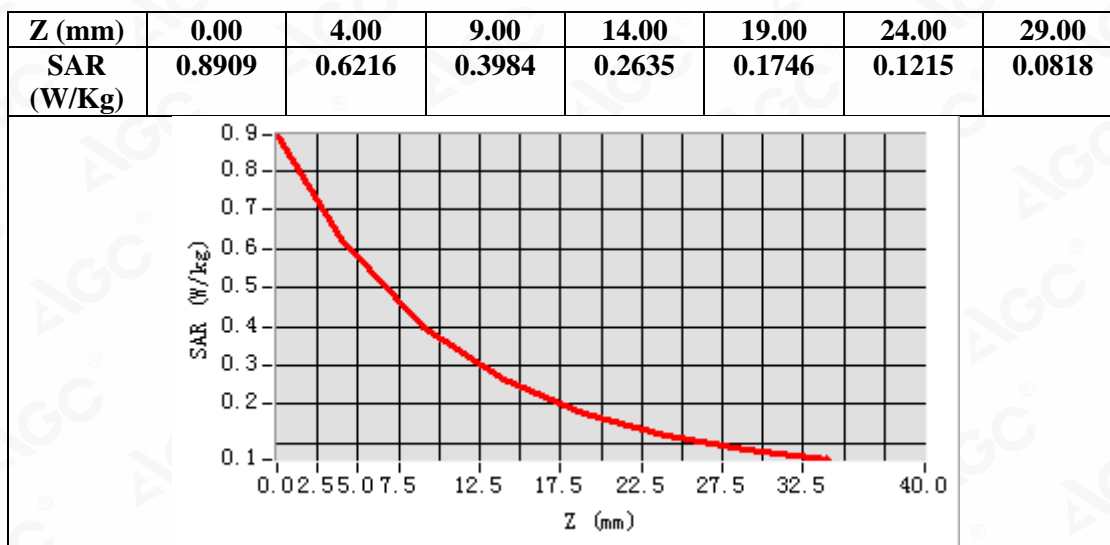
**SAR Peak: 0.89 W/kg**

<b>SAR 10g (W/Kg)</b>	0.385524
<b>SAR 1g (W/Kg)</b>	0.598985

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**Test Laboratory: AGC Lab**  
**System Check Head 1750MHz**  
**DUT: Dipole 1800 MHz; Type: SID 1800**

**Date: Oct. 10, 2021**

Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=4.56  
Frequency: 1750 MHz; Medium parameters used:  $f = 1750\text{MHz}$ ;  $\sigma = 1.40 \text{ mho/m}$ ;  $\epsilon_r = 39.87$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
Phantom section: Flat Section; Input Power=18dBm  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.9, Liquid temperature ( $^{\circ}\text{C}$ ): 21.7

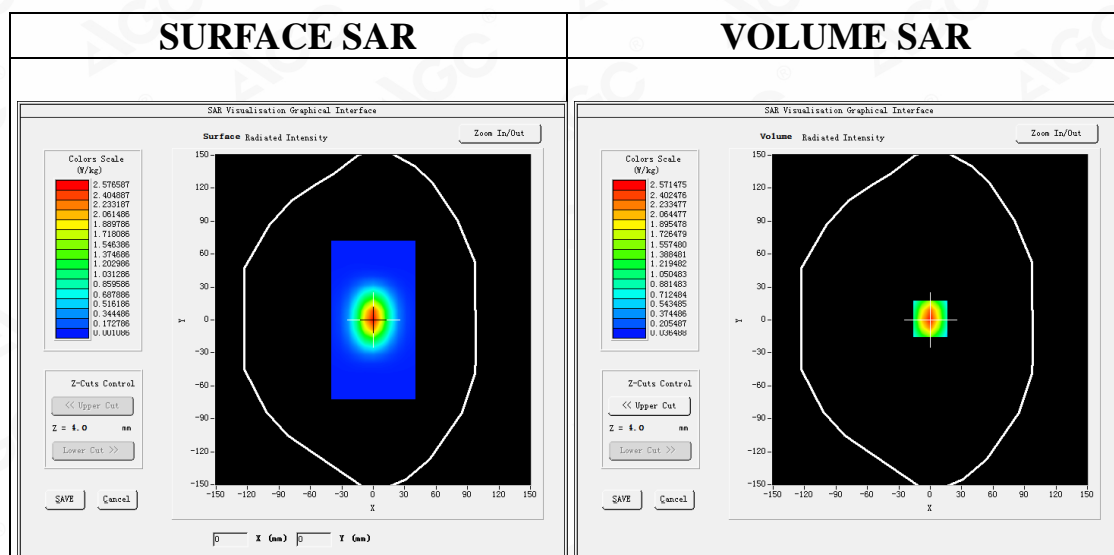
SATIMO Configuration:

Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

**Configuration/System Check 1750MHz Head/Area Scan:** Measurement grid:  $dx=8\text{mm}, dy=8\text{mm}$

**Configuration/System Check 1750MHz Head/Zoom Scan:** Measurement grid:  $dx=8\text{mm}, dy=8\text{mm}, dz=5\text{mm}$



**Maximum location: X=0.00, Y=1.00**

**SAR Peak: 4.12 W/kg**

<b>SAR 10g (W/Kg)</b>	1.221583
<b>SAR 1g (W/Kg)</b>	2.410571

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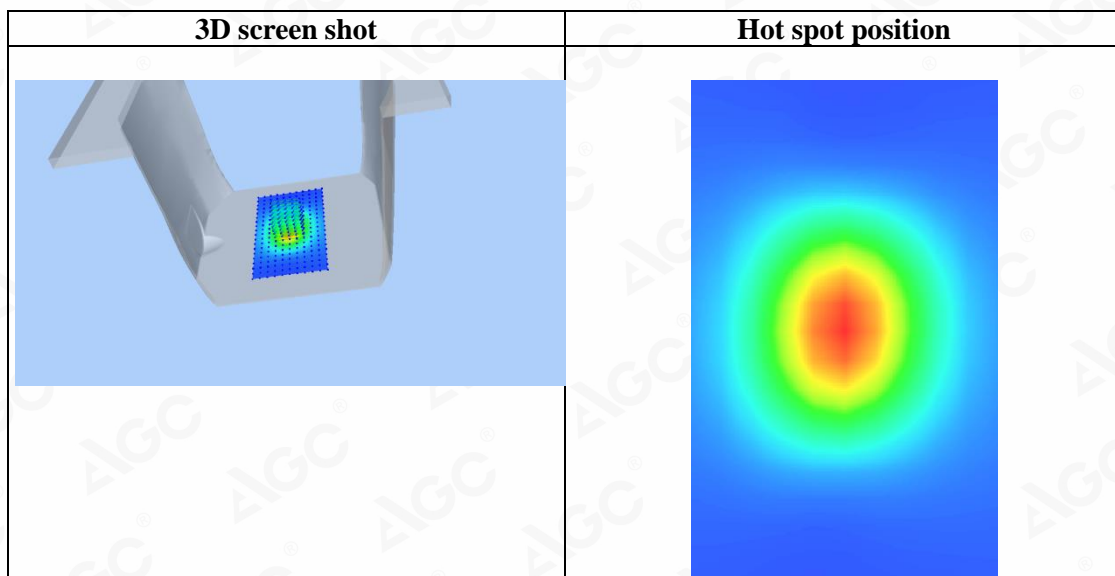
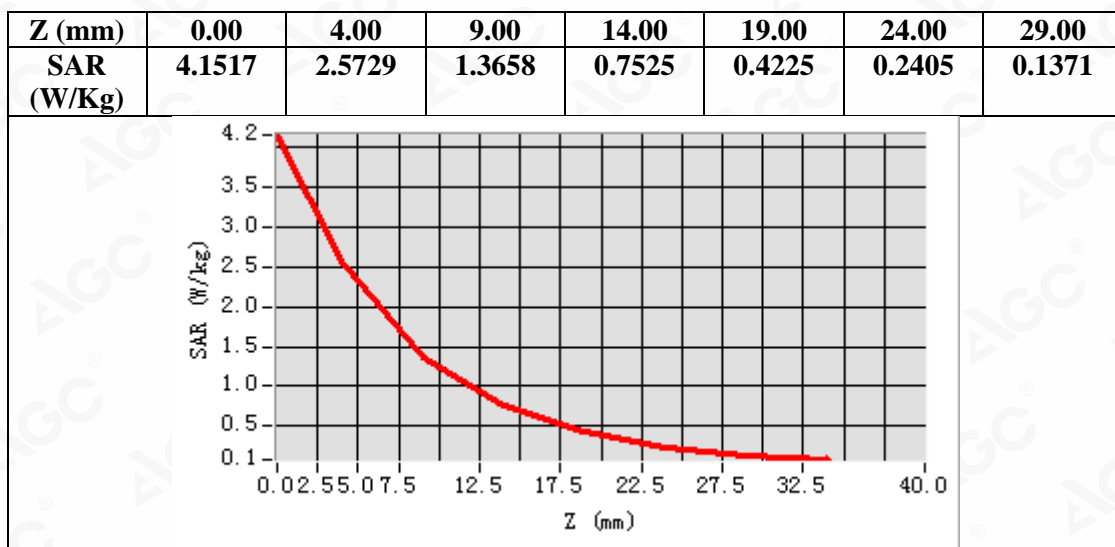
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**Test Laboratory: AGC Lab**  
**System Check Head 1900MHz**  
**DUT: Dipole 1900 MHz; Type: SID 1900**

**Date: Oct. 09, 2021**

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=4.48  
Frequency: 1900 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.51$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section; Input Power=18dBm  
Ambient temperature (°C):22.3, Liquid temperature (°C): 22.1

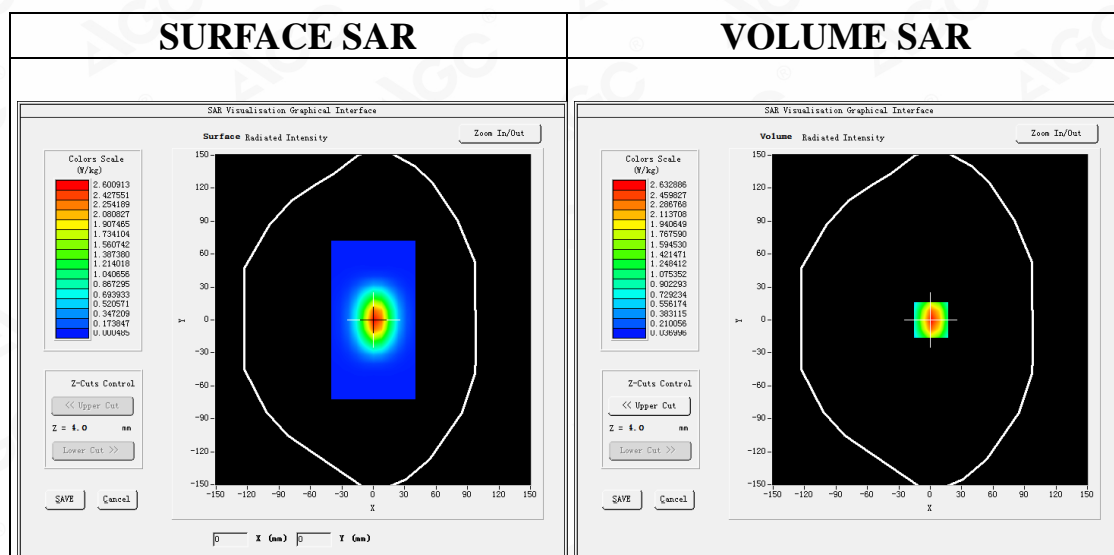
SATIMO Configuration:

Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

**Configuration/System Check 1900MHz Head/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/System Check 1900MHz Head/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5mm



**Maximum location: X=1.00, Y=0.00**

**SAR Peak: 4.30 W/kg**

<b>SAR 10g (W/Kg)</b>	1.256873
<b>SAR 1g (W/Kg)</b>	2.491985

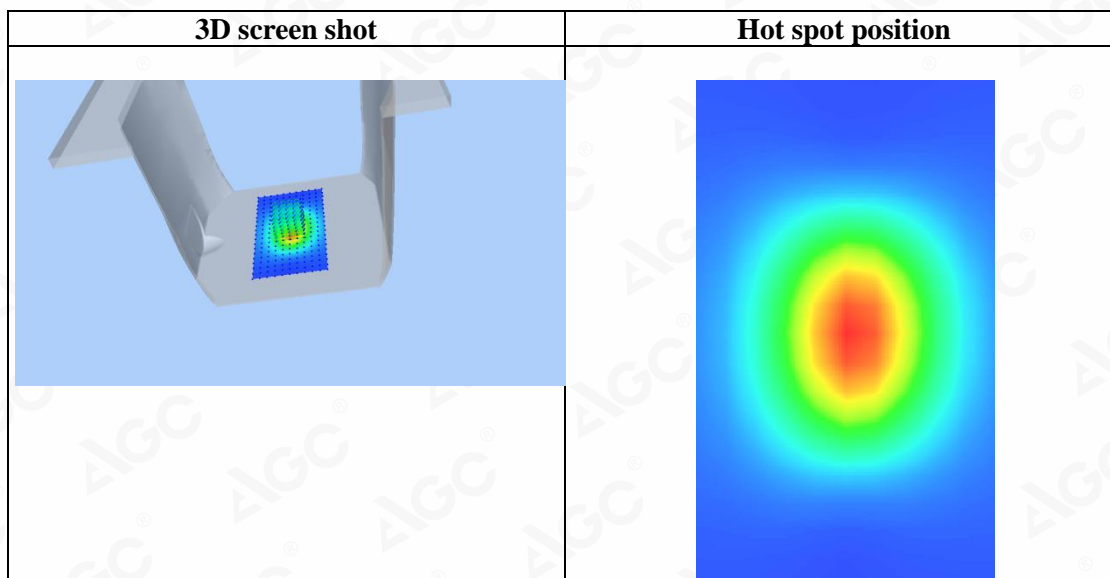
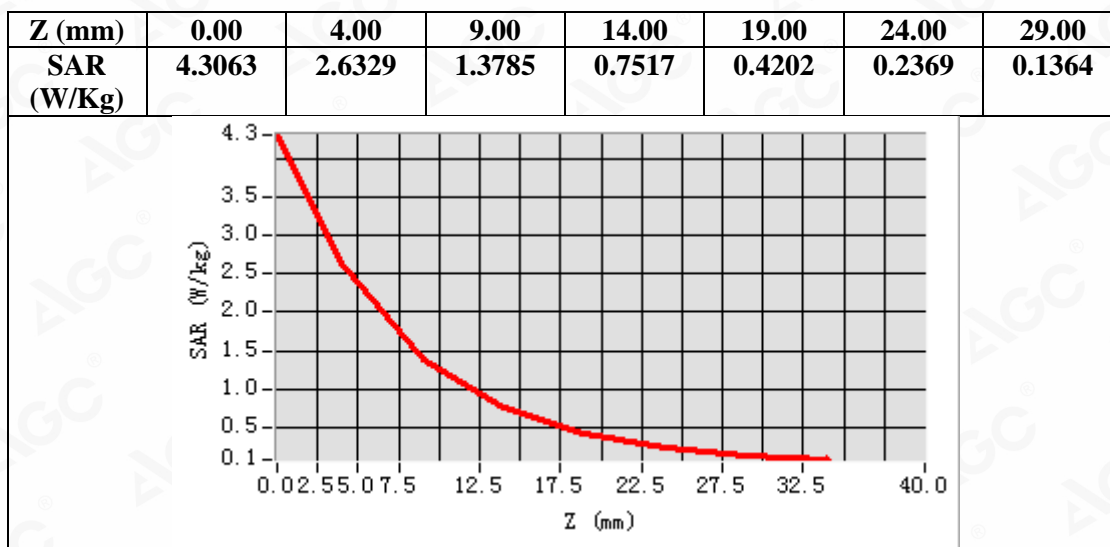
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## APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab  
WCDMA Band II Mid- Body-Back (RMC 12.2kbps)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 09, 2021

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.48;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.74$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 22.3, Liquid temperature (°C): 22.1

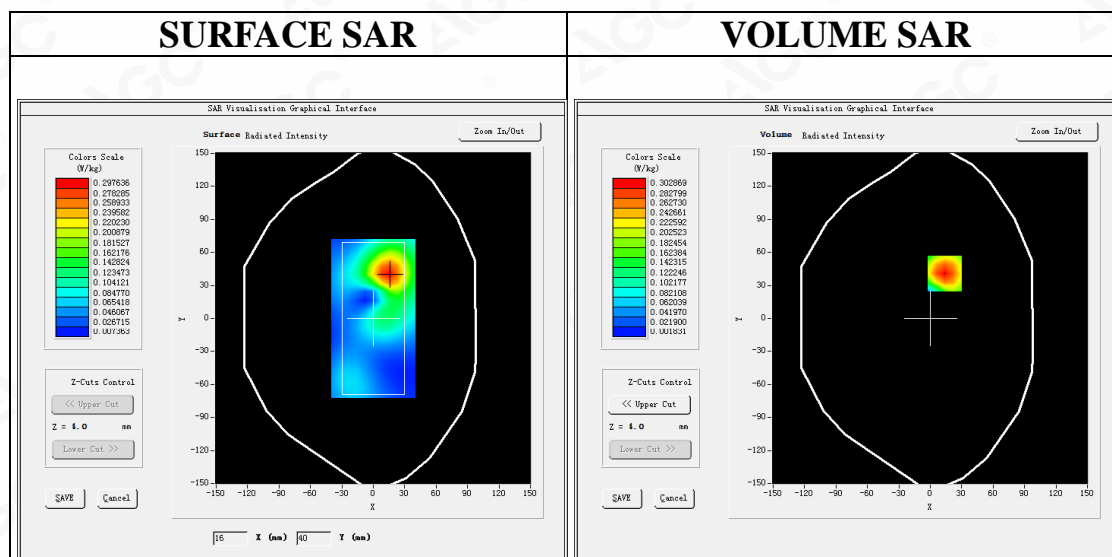
SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA band II Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA band II Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=14.00, Y=41.00

SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.164380
SAR 1g (W/Kg)	0.291445

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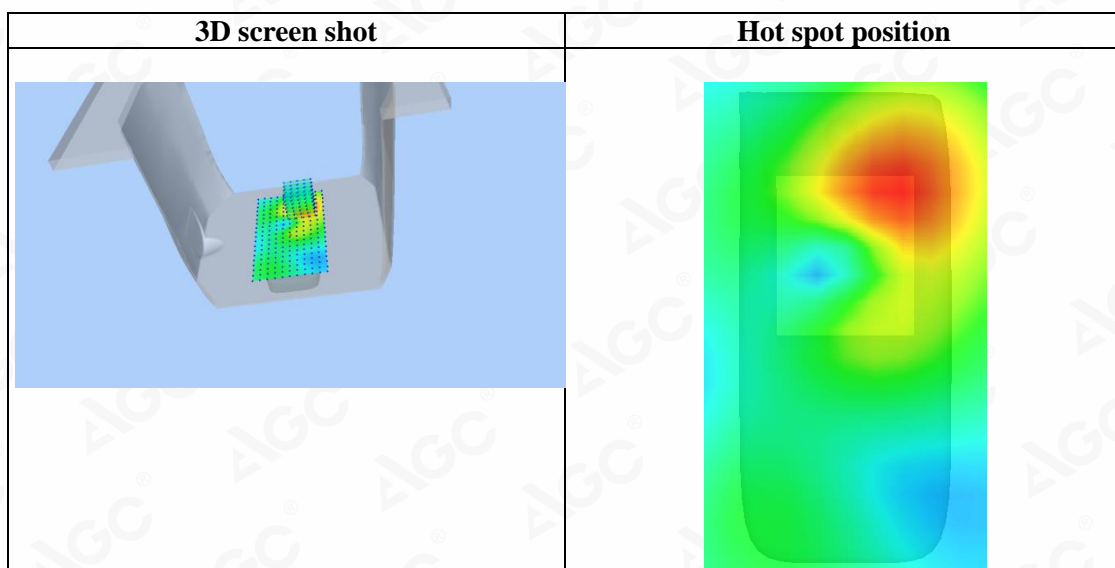
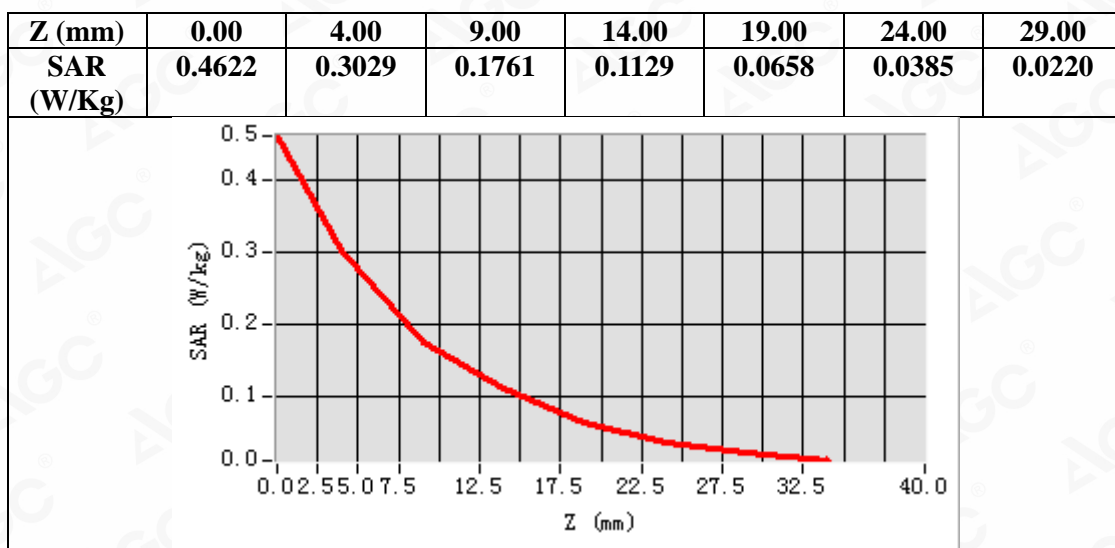
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Test Laboratory: AGC Lab  
WCDMA Band II Mid-Face up (RMC 12.2kbps)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 09, 2021

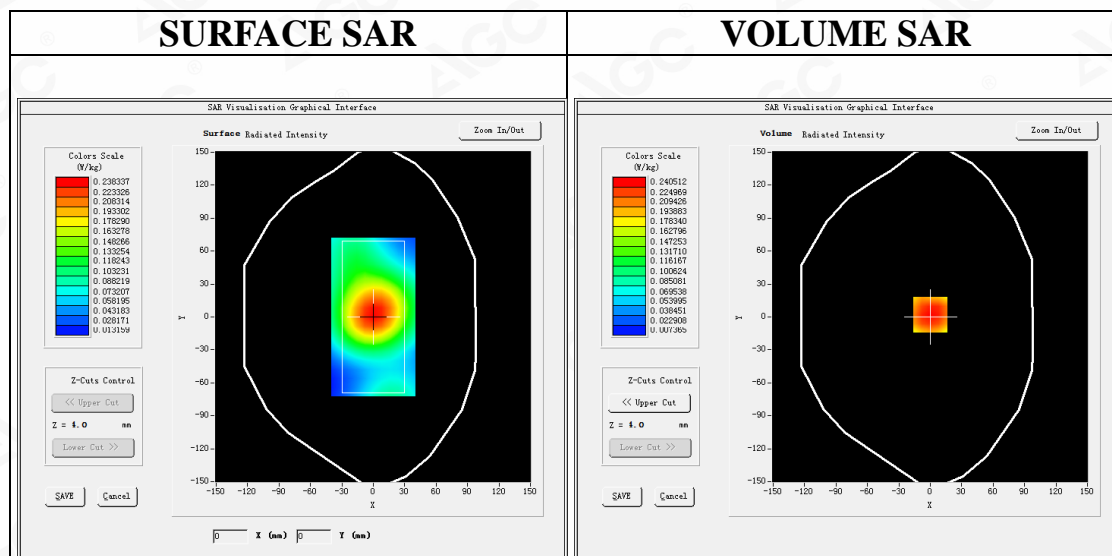
Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.48;  
Frequency: 1880 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.74$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 22.3, Liquid temperature (°C): 22.1

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA band II Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ WCDMA band II Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Face up
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=2.00

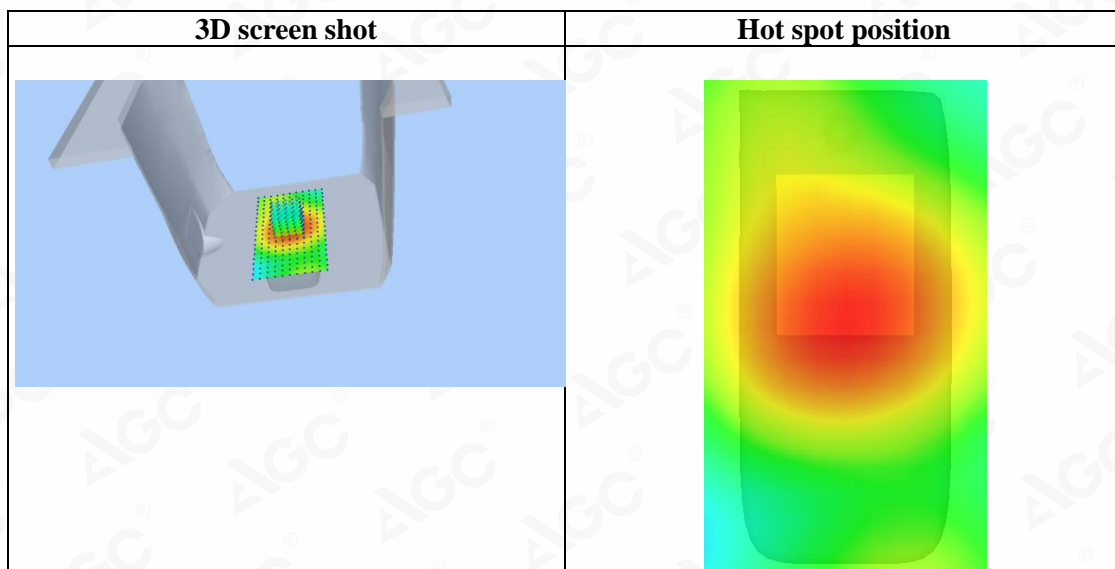
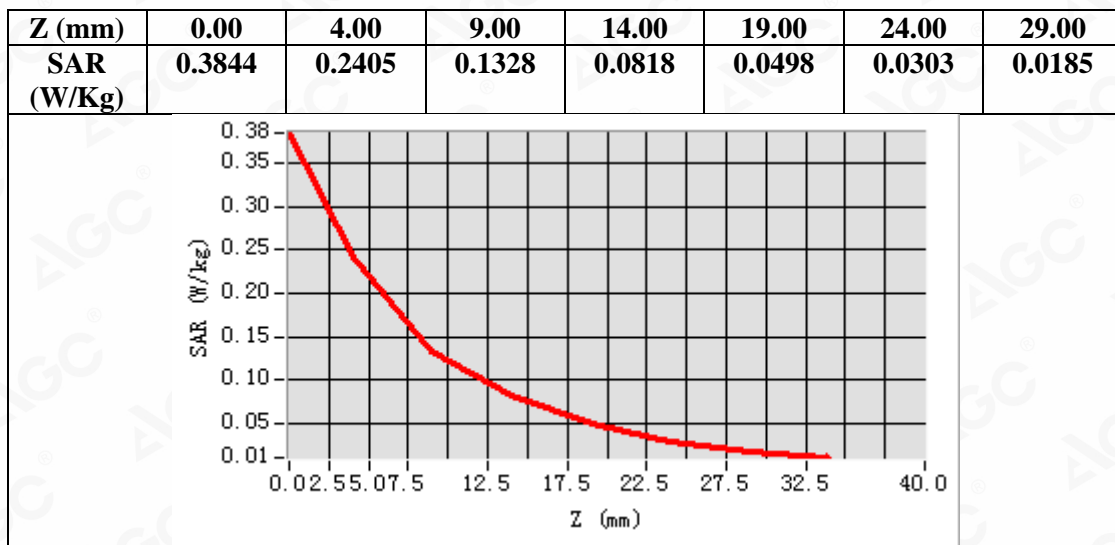
SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.136805
SAR 1g (W/Kg)	0.234816

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Test Laboratory: AGC Lab  
WCDMA Band IV Mid- Body-Back (RMC 12.2kbps)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

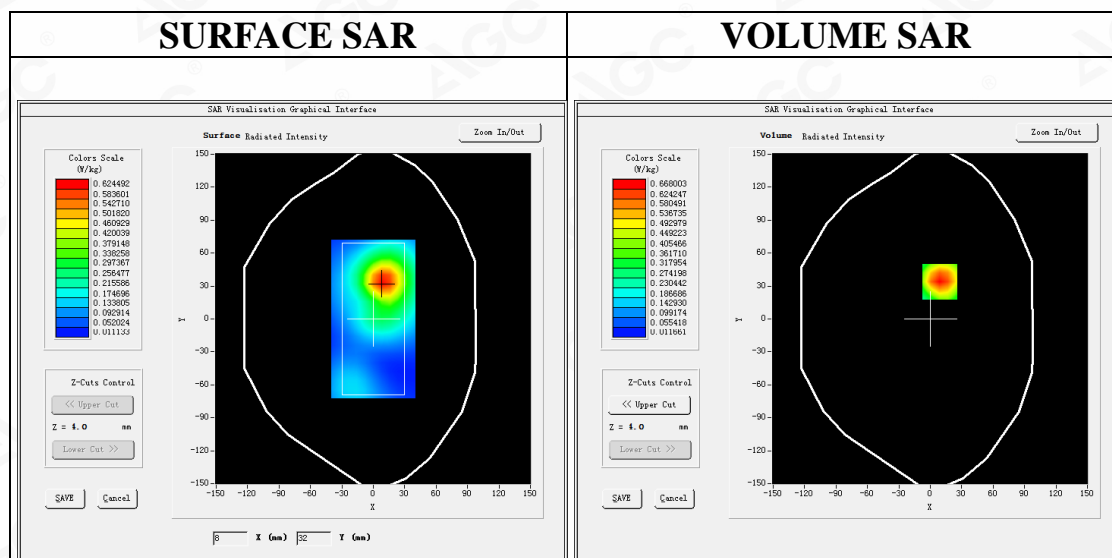
Communication System: UMTS; Communication System Band: Band IV UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.48;  
Frequency: 1732.4 MHz; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 40.52$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA Band IV Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ WCDMA Band IV Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=9.00, Y=34.00  
SAR Peak: 1.04 W/kg

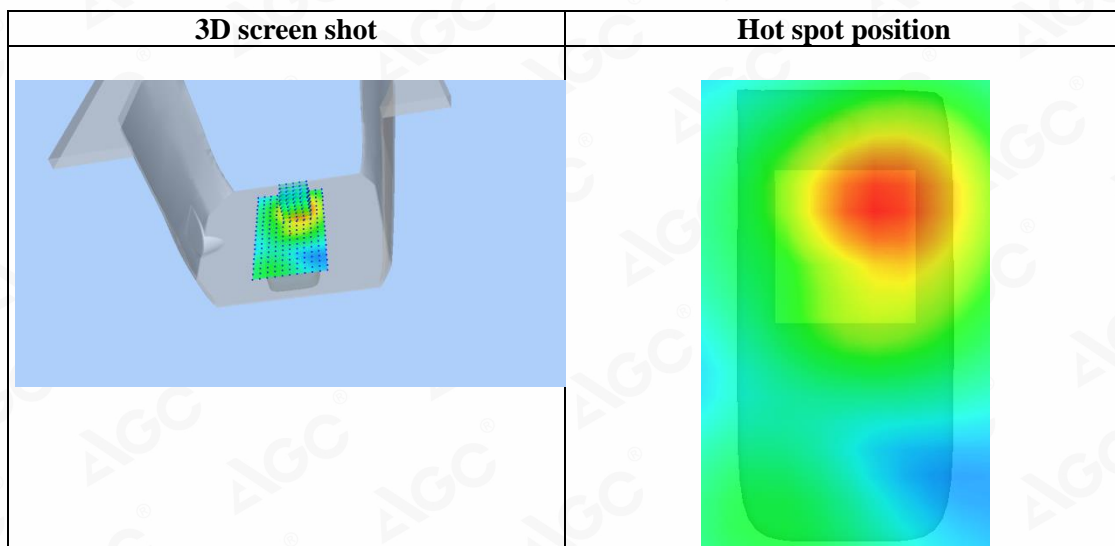
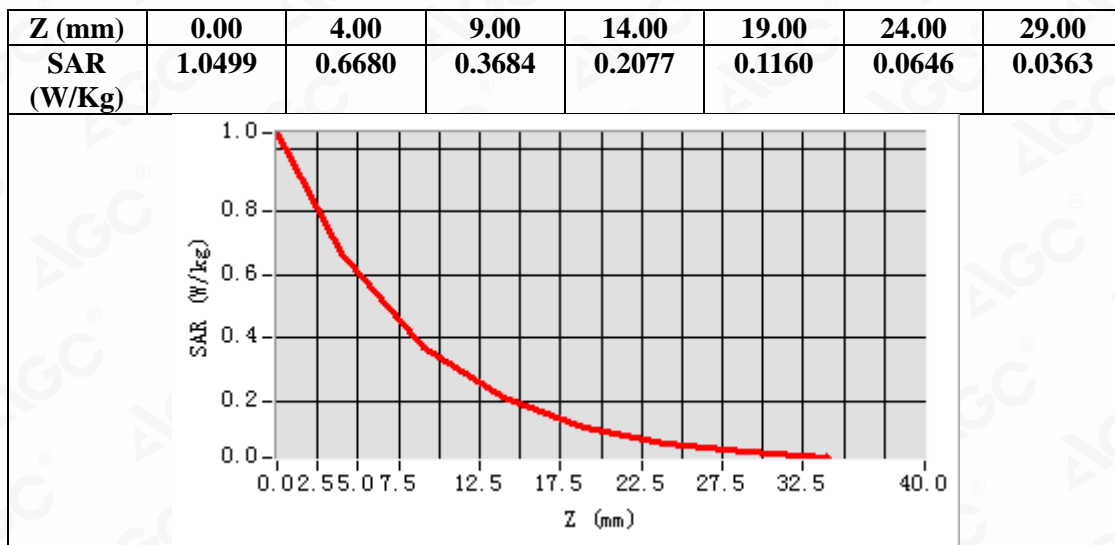
SAR 10g (W/Kg)	0.346517
SAR 1g (W/Kg)	0.635769

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Test Laboratory: AGC Lab  
WCDMA Band IV Mid-Face up (RMC 12.2kbps)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

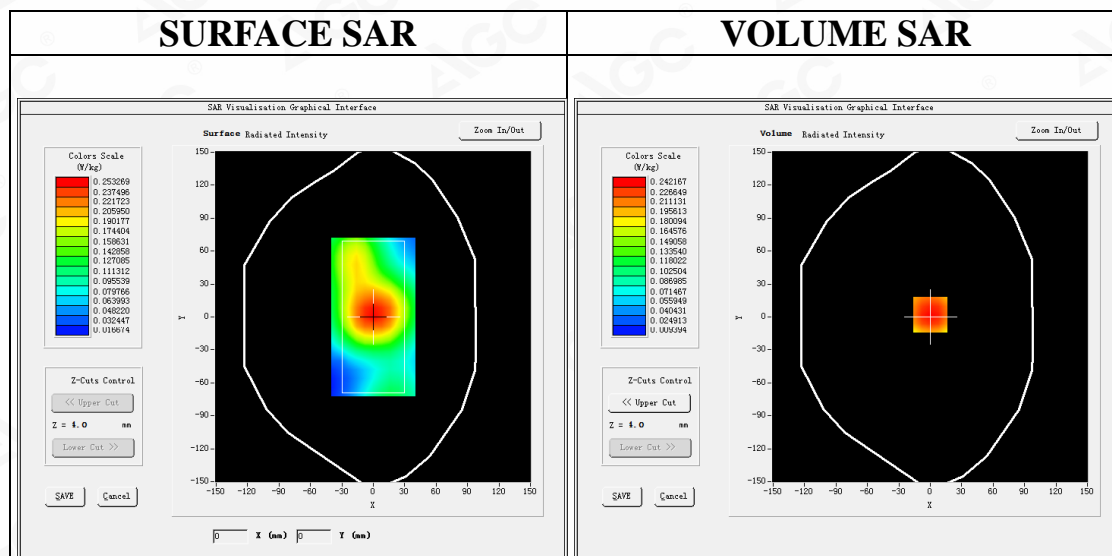
Communication System: UMTS; Communication System Band: Band IV UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.48;  
Frequency: 1732.4 MHz; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 40.52$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA Band IV Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ WCDMA Band IV Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Face up
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=2.00

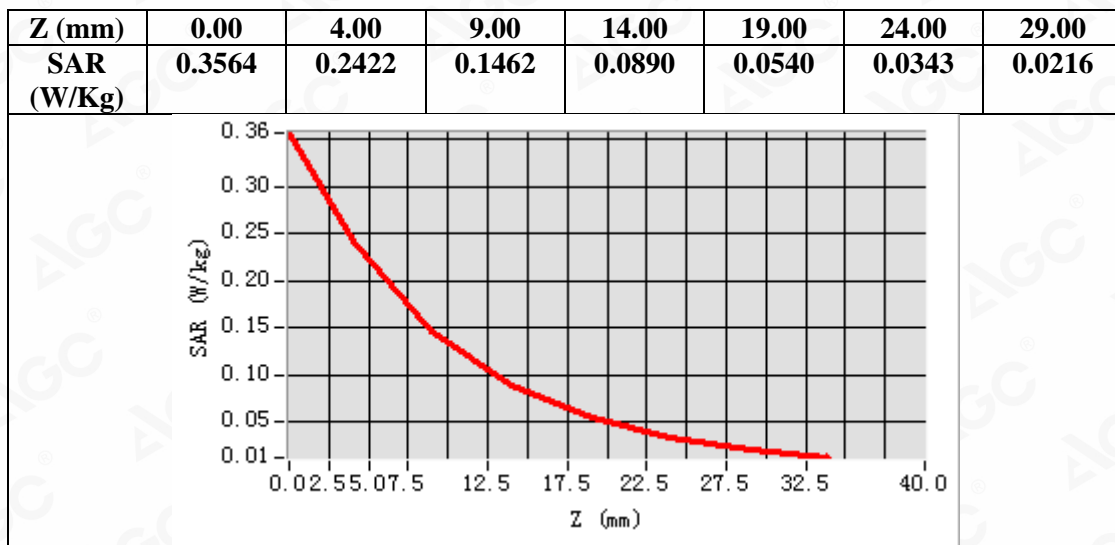
SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.143210
SAR 1g (W/Kg)	0.233473

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Test Laboratory: AGC Lab

Date: Oct. 08, 2021

WCDMA Band V Mid- Body-Back (RMC)

DUT: POC Radio; Type: IP-39PLUS

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=5.24;  
Frequency: 836.4 MHz; Medium parameters used:  $f = 835\text{MHz}$ ;  $\sigma = 0.90\text{ mho/m}$ ;  $\epsilon_r = 41.78$ ;  $\rho = 1000\text{ kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.4, Liquid temperature ( $^{\circ}\text{C}$ ): 21.2

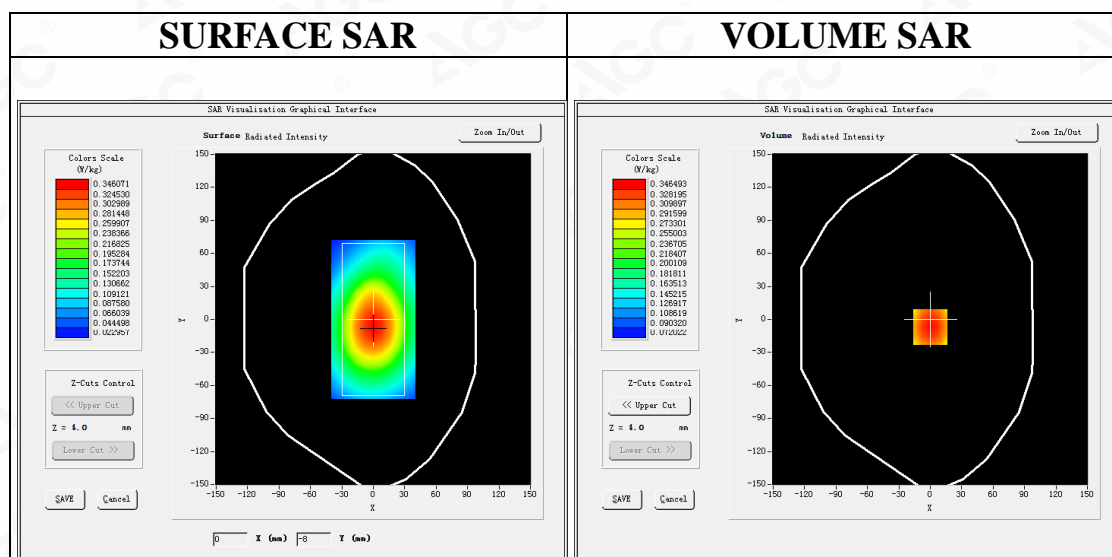
SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA Band V Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA Band V Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-7.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.254973
SAR 1g (W/Kg)	0.335729

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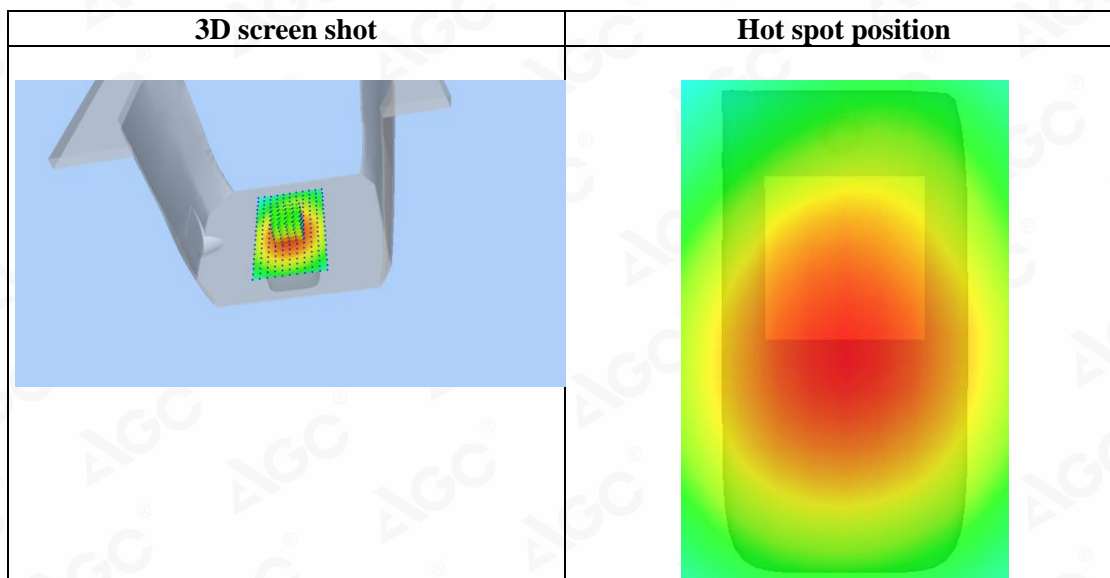
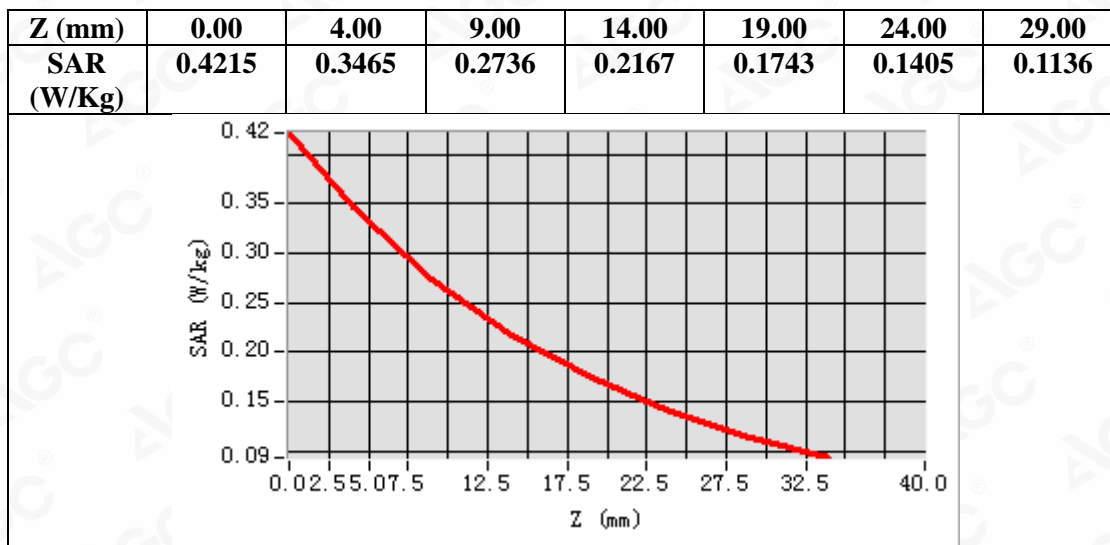
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Test Laboratory: AGC Lab

Date: Oct. 08, 2021

WCDMA Band V Mid- Face up (RMC)

DUT: POC Radio; Type: IP-39PLUS

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=5.24;  
Frequency: 836.4 MHz; Medium parameters used:  $f = 835\text{MHz}$ ;  $\sigma = 0.90\text{ mho/m}$ ;  $\epsilon_r = 41.78$ ;  $\rho = 1000\text{ kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.4, Liquid temperature ( $^{\circ}\text{C}$ ): 21.2

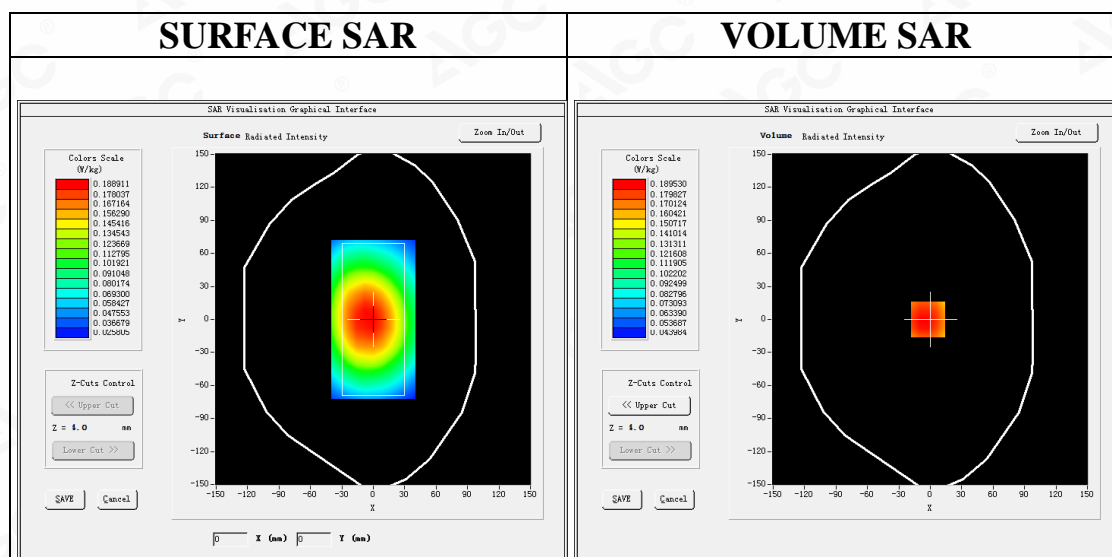
SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ WCDMA Band V Mid-Face up/Area Scan: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ 

Configuration/ WCDMA Band V Mid-Face up/Zoom Scan: Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ ;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$ , Complete
Phantom	Validation plane
Device Position	Face up
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=-2.00, Y=0.00

SAR Peak: 0.24 W/kg

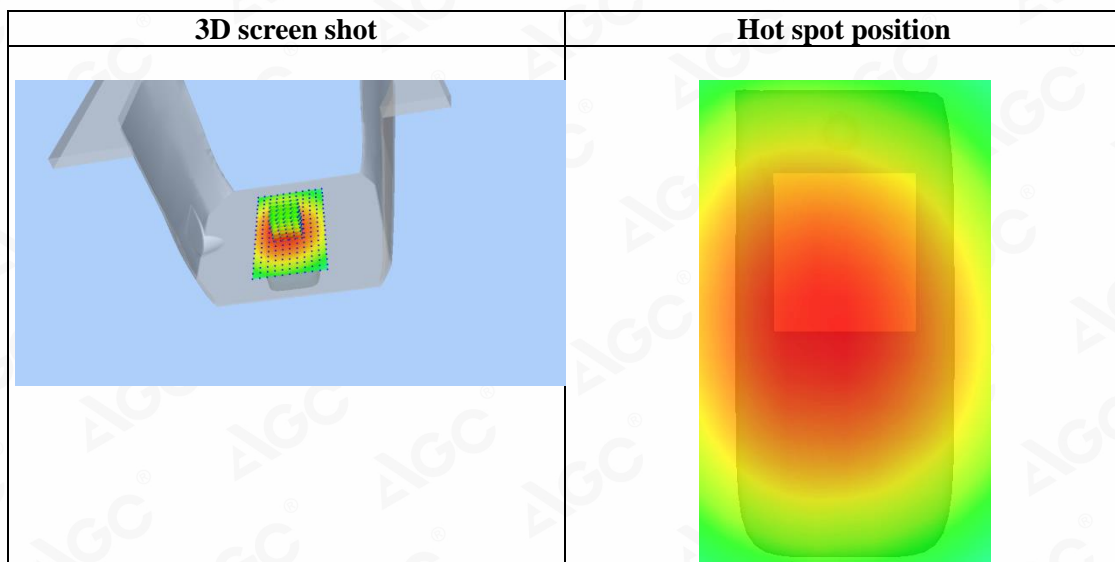
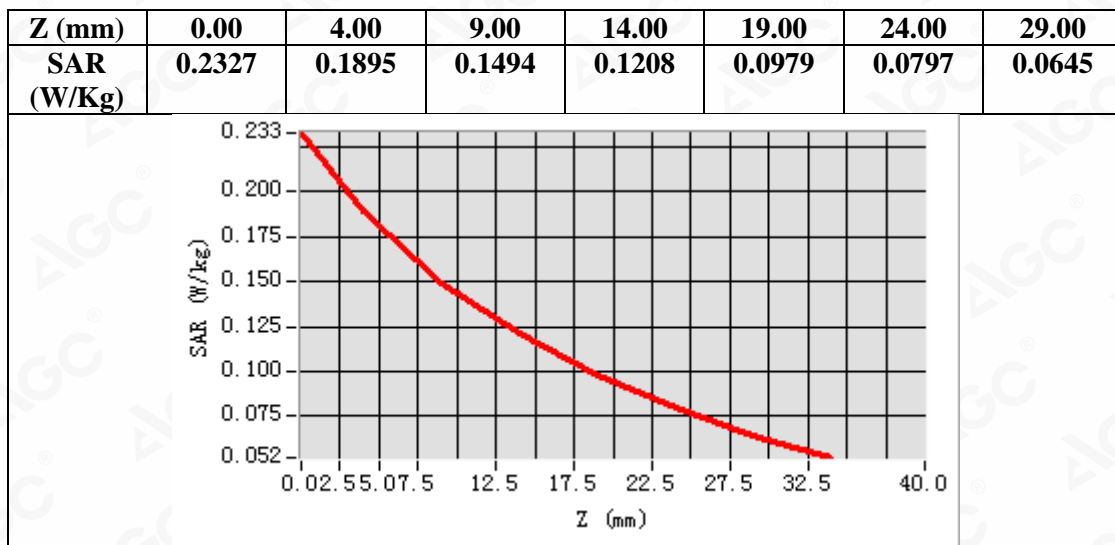
SAR 10g (W/Kg)	0.142606
SAR 1g (W/Kg)	0.186360

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Test Laboratory: AGC Lab  
LTE Band 2 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 09, 2021

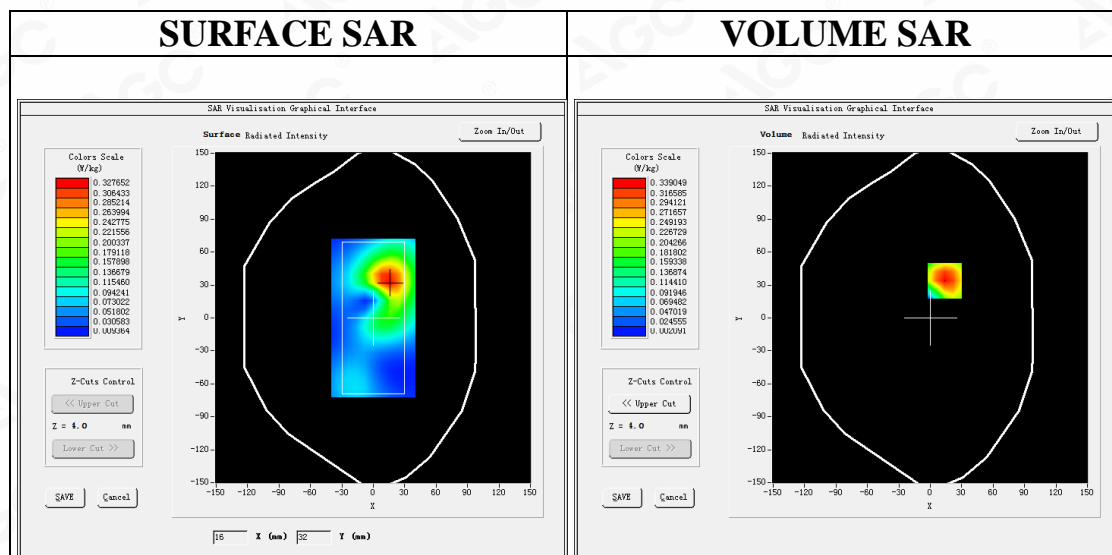
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.48;  
Frequency:1880MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.74$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 22.3, Liquid temperature (°C): 22.1

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 2 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 2 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=14.00, Y=34.00

SAR Peak: 0.53 W/kg

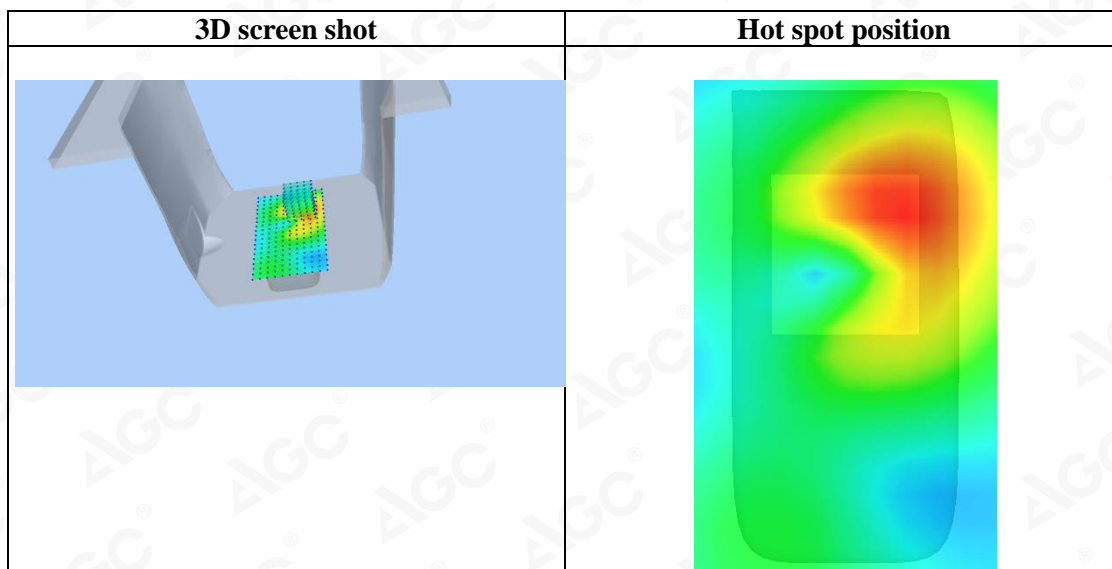
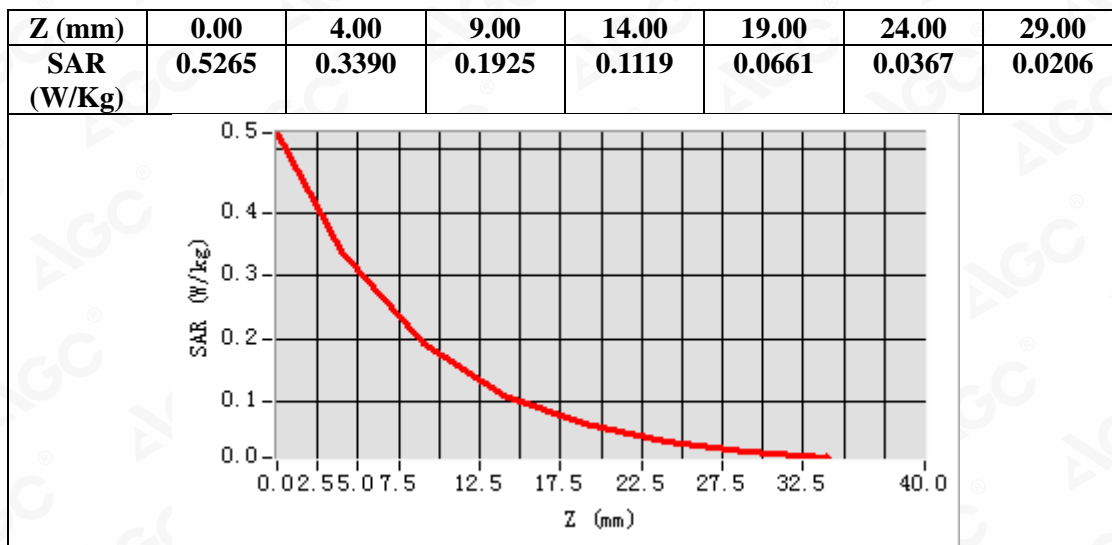
SAR 10g (W/Kg)	0.181482
SAR 1g (W/Kg)	0.327152

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Test Laboratory: AGC Lab  
LTE Band 2 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 09, 2021

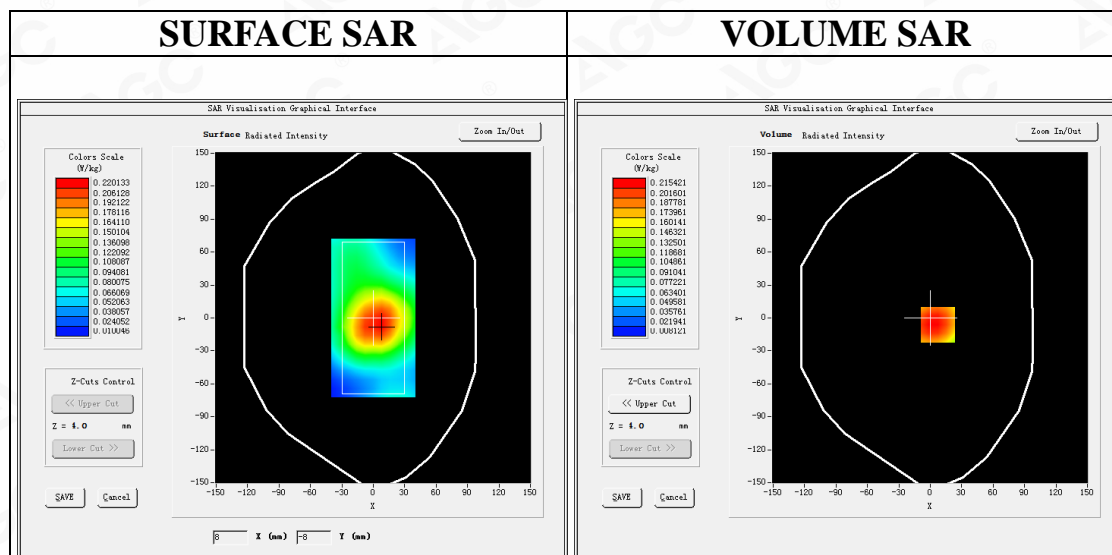
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.48;  
Frequency:1880MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40.74$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 22.3, Liquid temperature (°C): 22.1

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 2 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 2 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



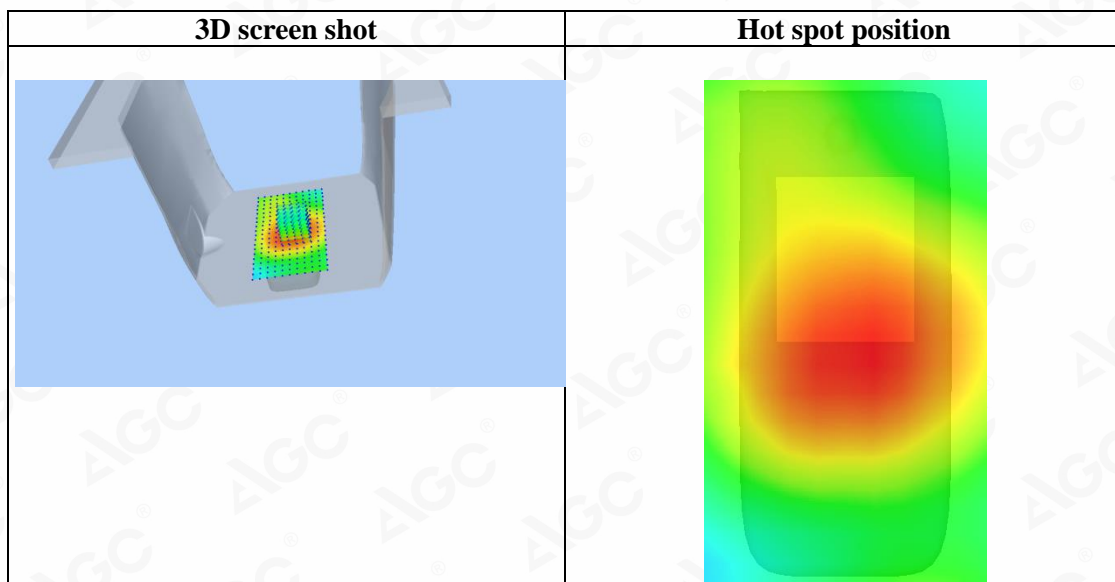
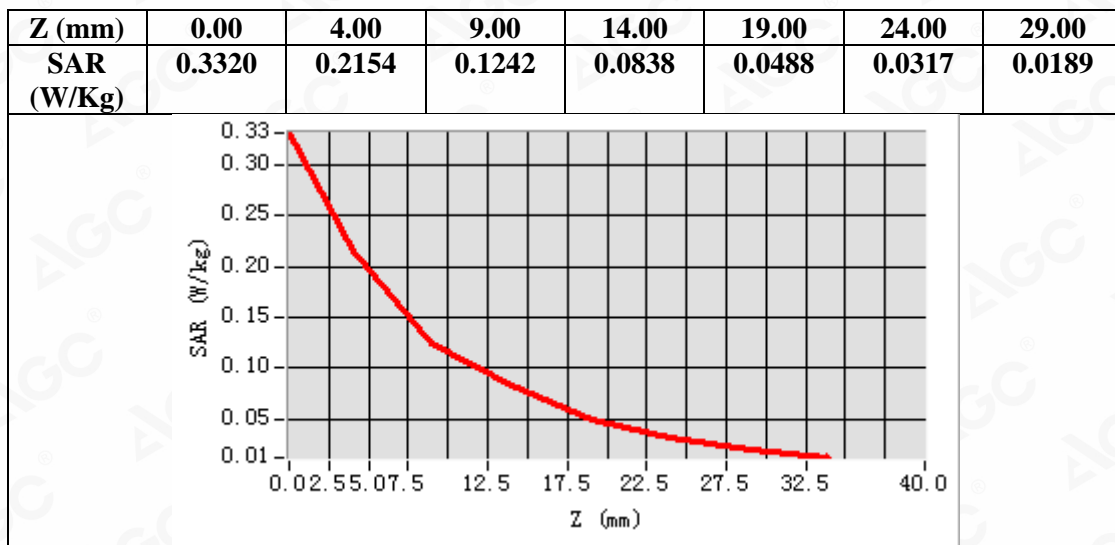
Maximum location: X=7.00, Y=-6.00  
SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.130142
SAR 1g (W/Kg)	0.210161

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Test Laboratory: AGC Lab  
LTE Band 4 High-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

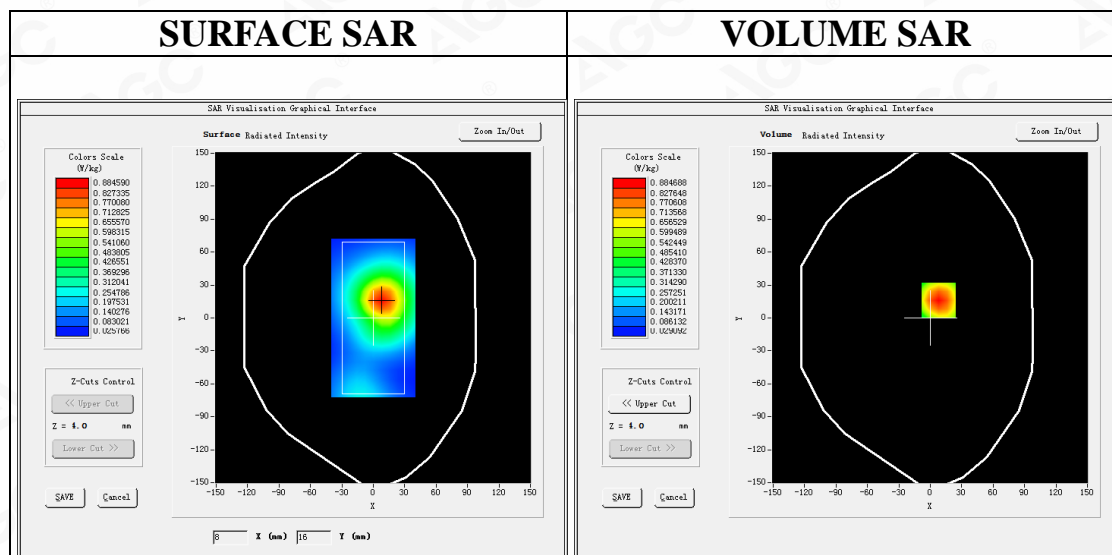
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=4.48;  
Frequency:1745 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.04$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 4 High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 4 High-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=8.00, Y=16.00  
SAR Peak: 1.35 W/kg

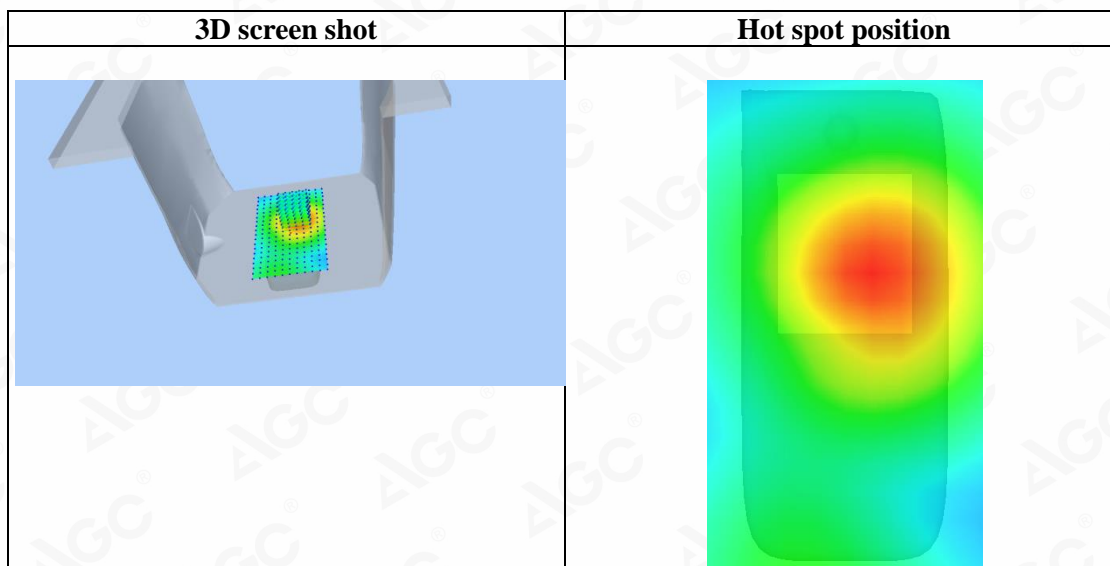
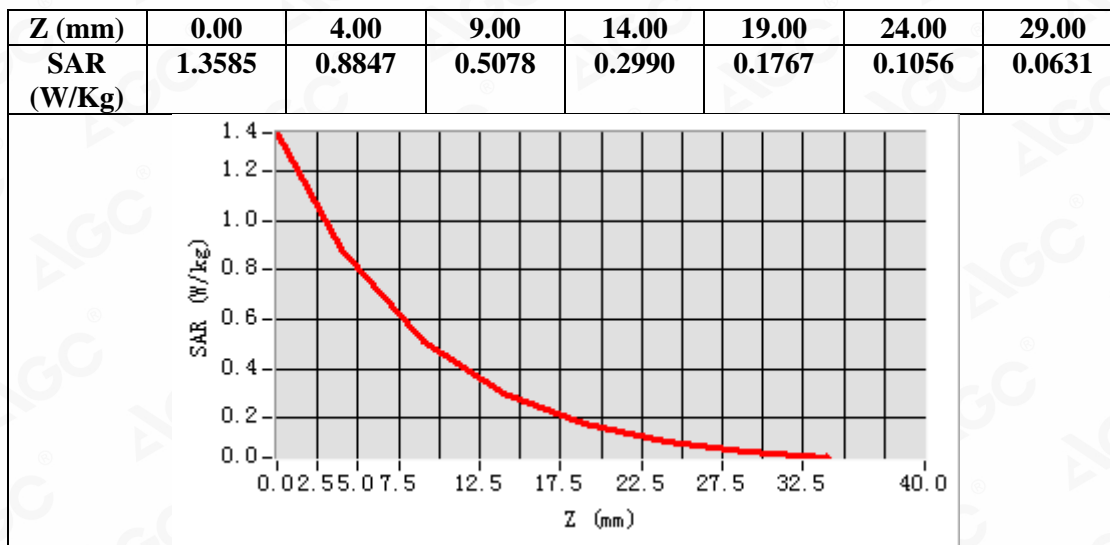
SAR 10g (W/Kg)	0.482108
SAR 1g (W/Kg)	0.846845

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Test Laboratory: AGC Lab  
LTE Band 4 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

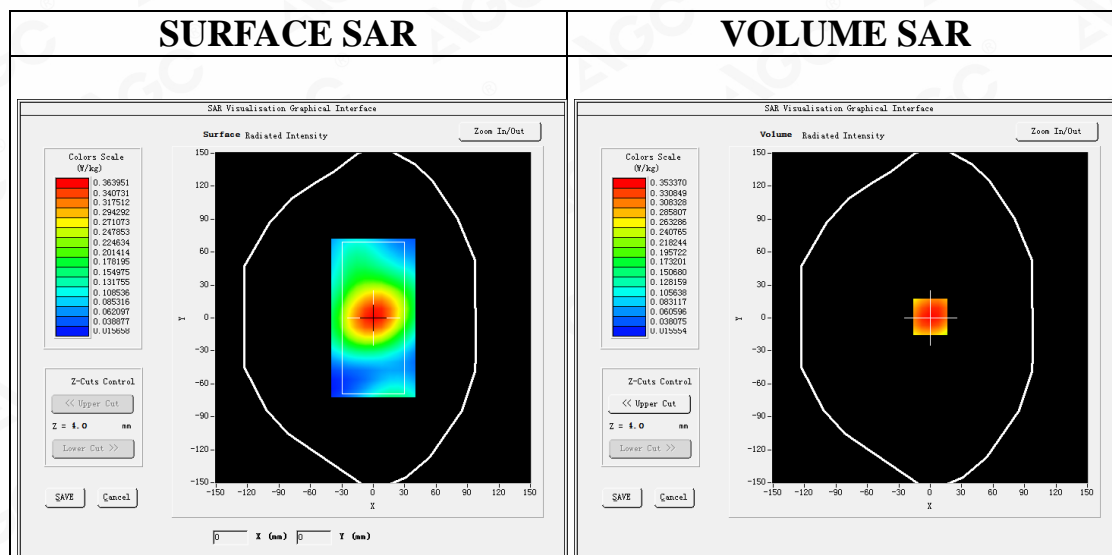
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=4.48;  
Frequency:1732.5 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.21$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 4 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 4 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



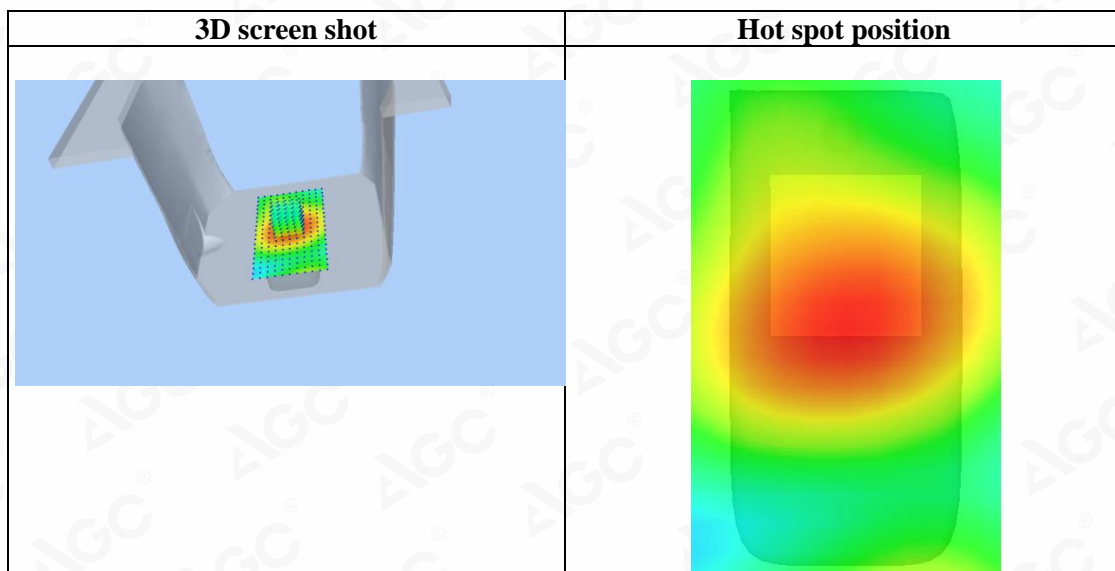
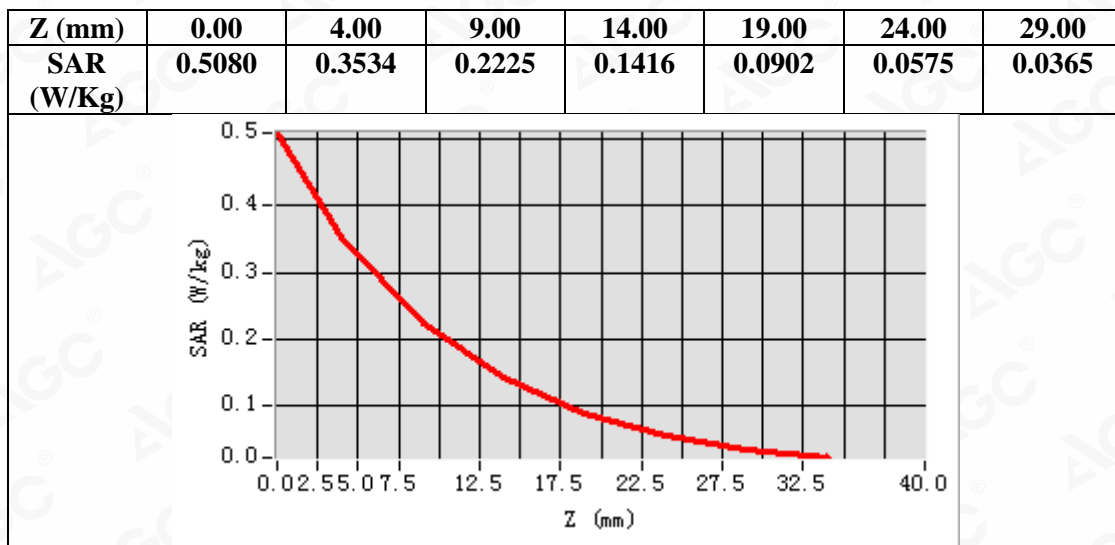
Maximum location: X=0.00, Y=1.00  
SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.214229
SAR 1g (W/Kg)	0.340857

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Test Laboratory: AGC Lab  
LTE Band 5 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 08, 2021

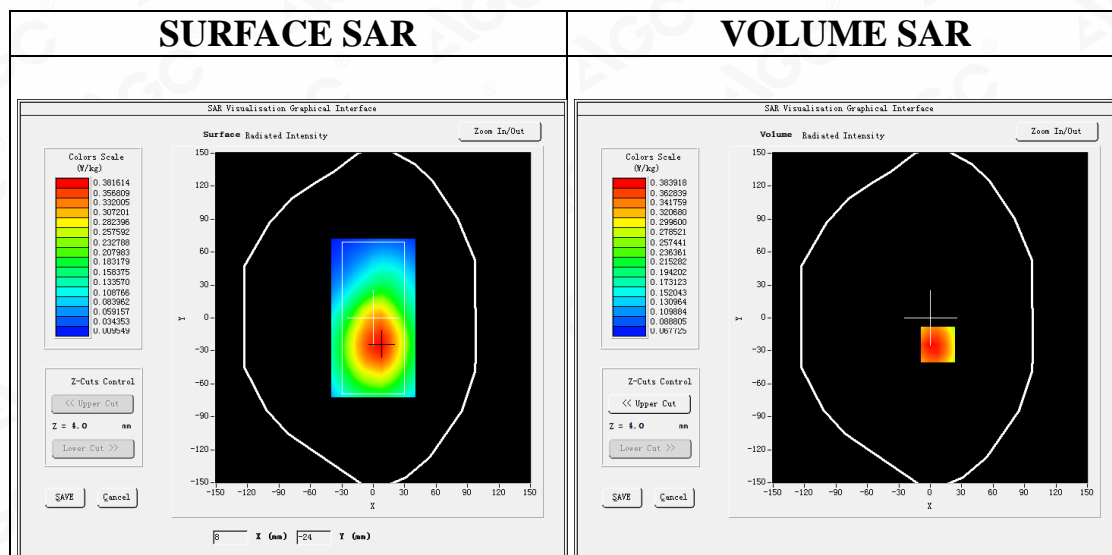
Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=5.24  
Frequency:836.5 MHz; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.45$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.2

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 5 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 5 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=7.00, Y=-24.00

SAR Peak: 0.49 W/kg

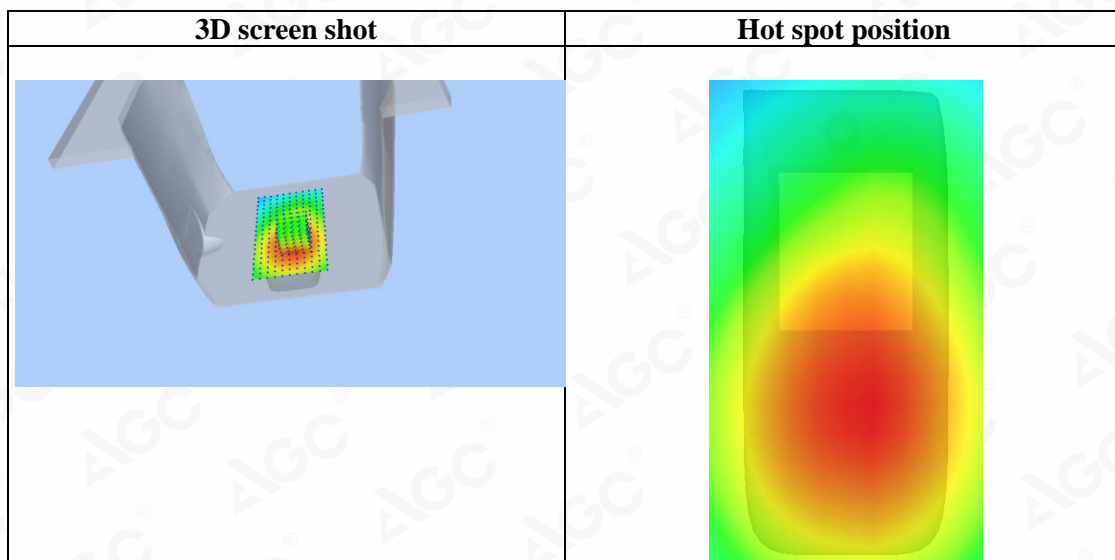
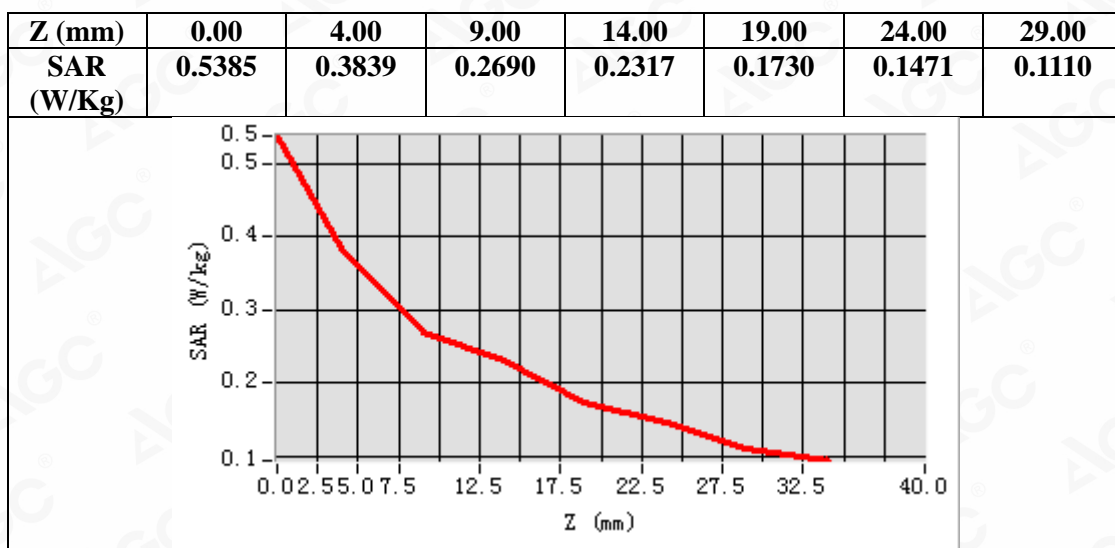
SAR 10g (W/Kg)	0.276979
SAR 1g (W/Kg)	0.372905

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Test Laboratory: AGC Lab  
LTE Band 5 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 08, 2021

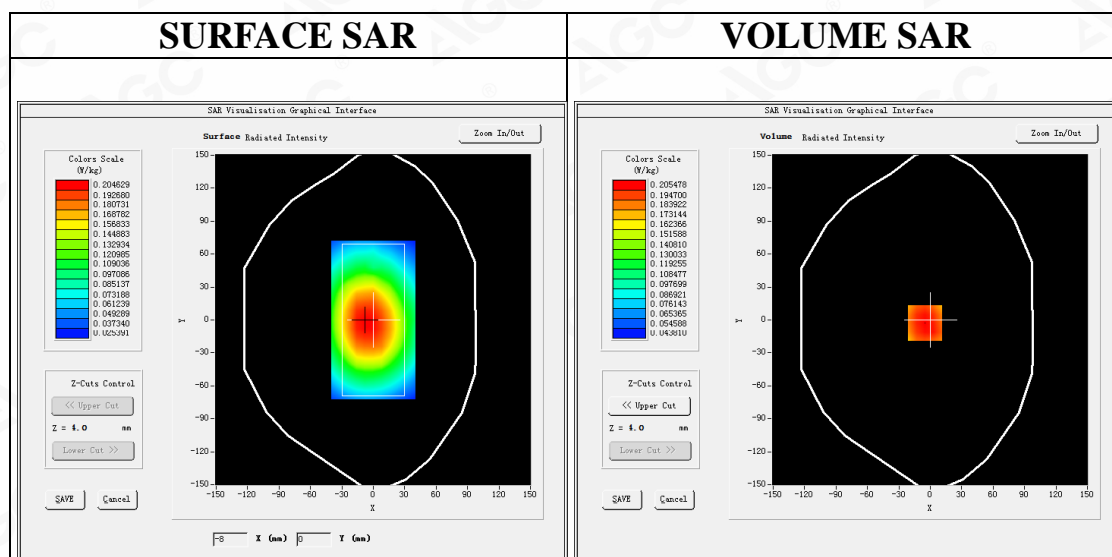
Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=5.24  
Frequency:836.5 MHz; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.45$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.2

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 5 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 5 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



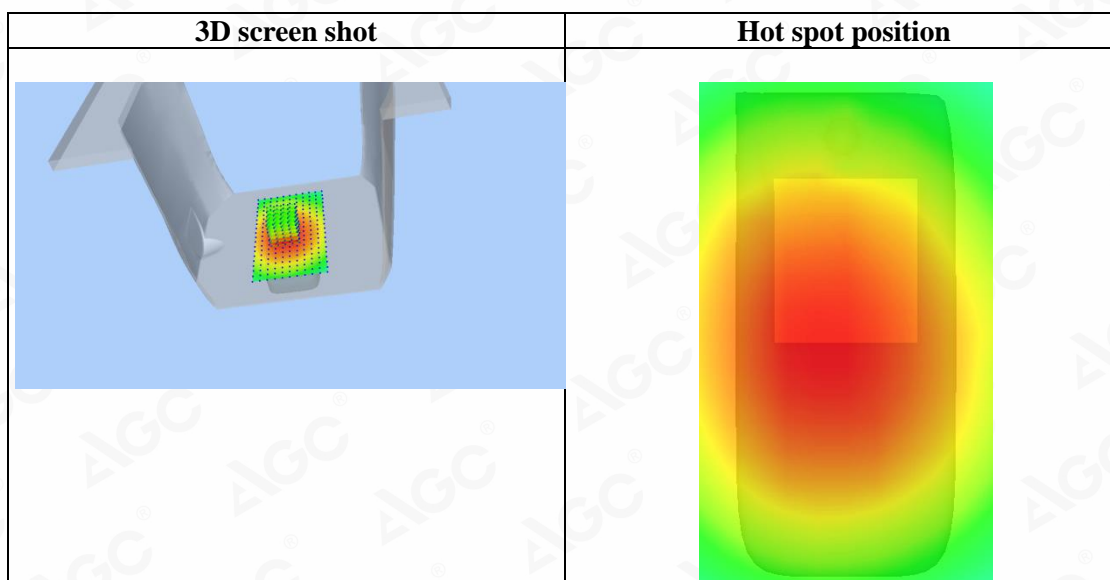
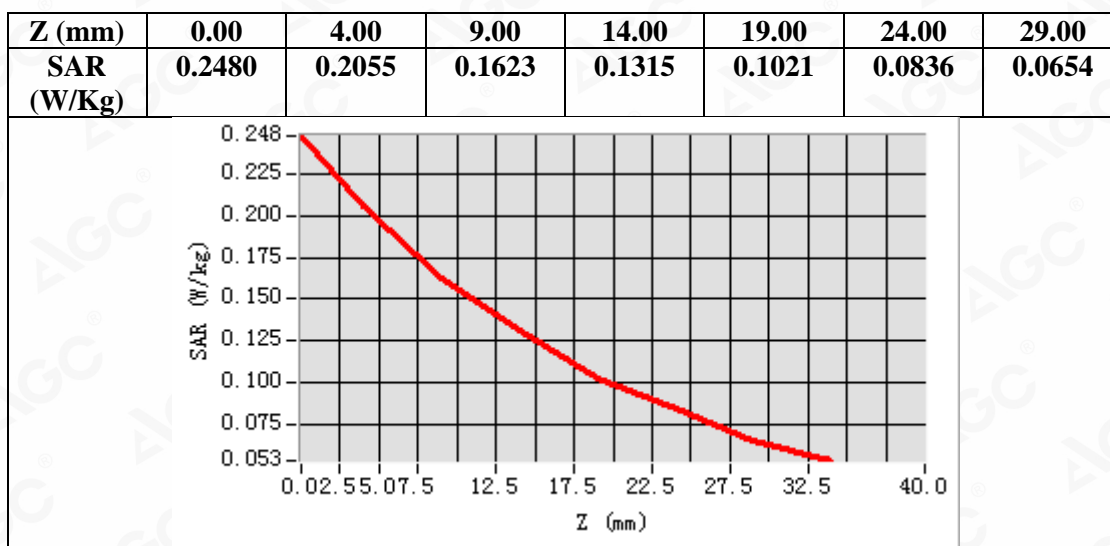
Maximum location: X=-5.00, Y=-3.00  
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.151775
SAR 1g (W/Kg)	0.199927

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Test Laboratory: AGC Lab  
LTE Band 12 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

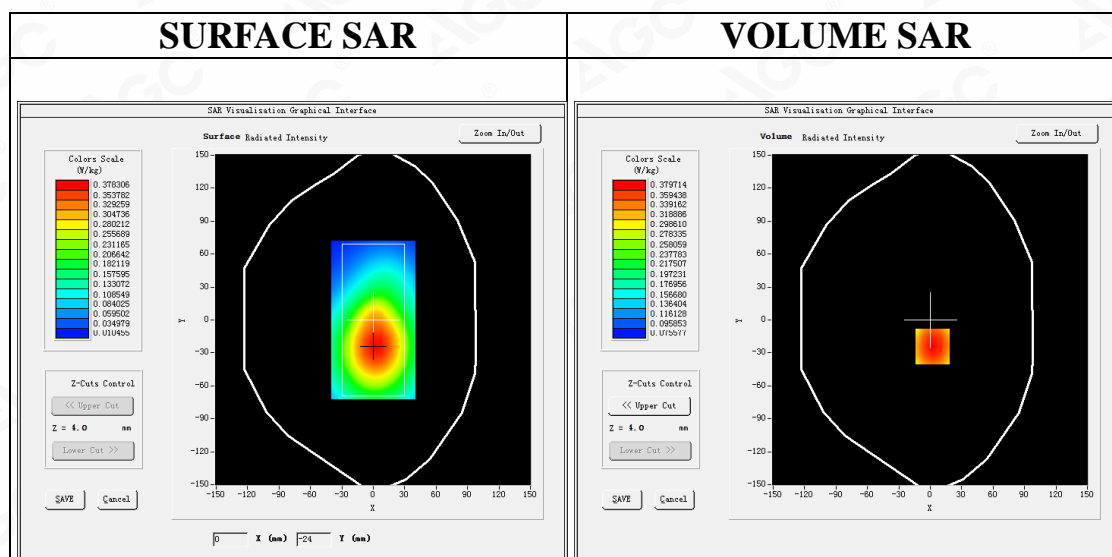
Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 707.5 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.90$  mho/m;  $\epsilon_r = 41.09$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 12 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 12 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=2.00, Y=-24.00  
SAR Peak: 0.46 W/kg

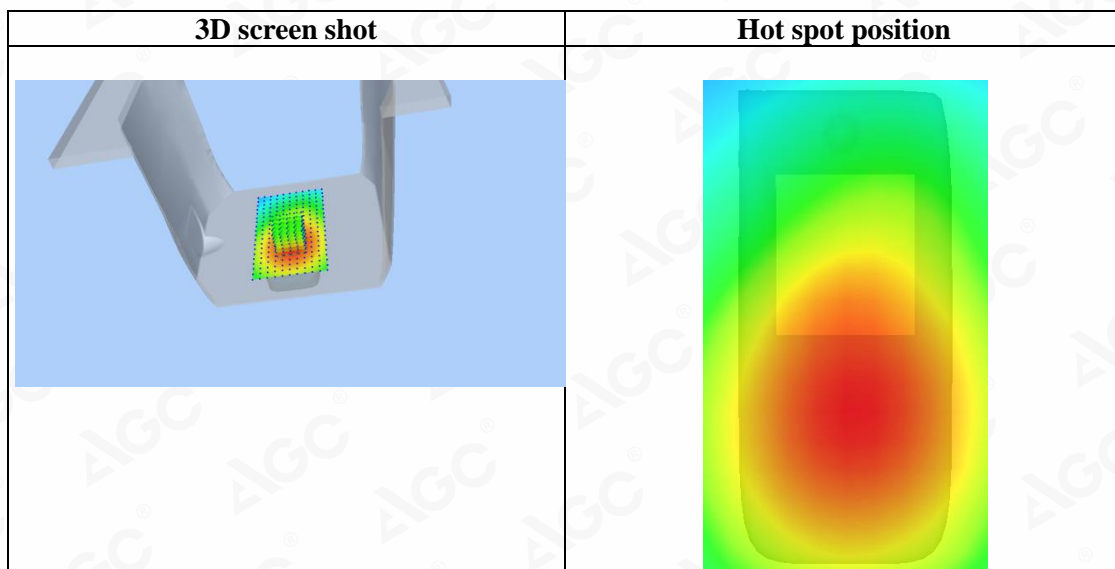
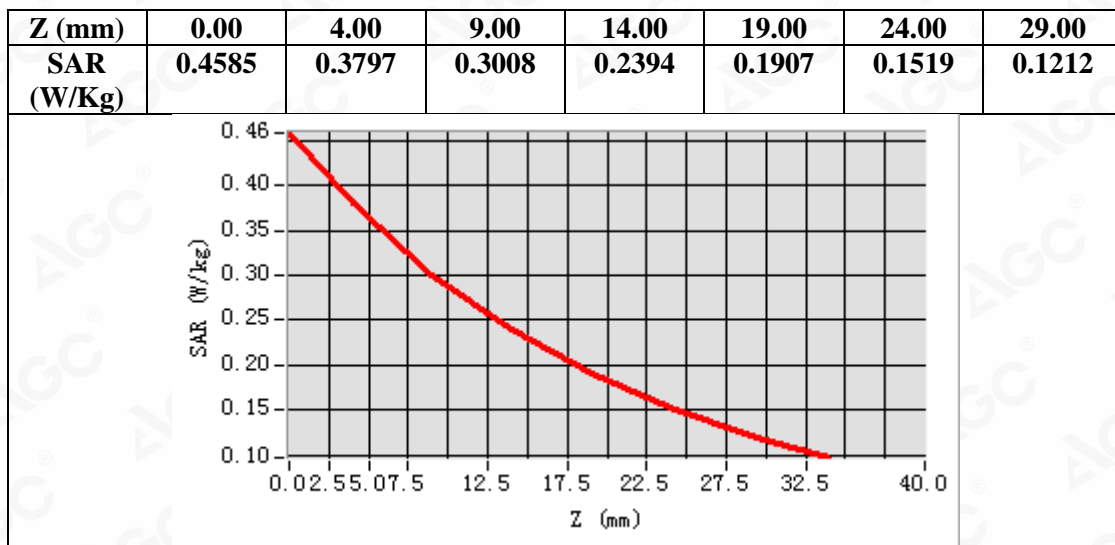
SAR 10g (W/Kg)	0.284394
SAR 1g (W/Kg)	0.375963

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Test Laboratory: AGC Lab  
LTE Band 12 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

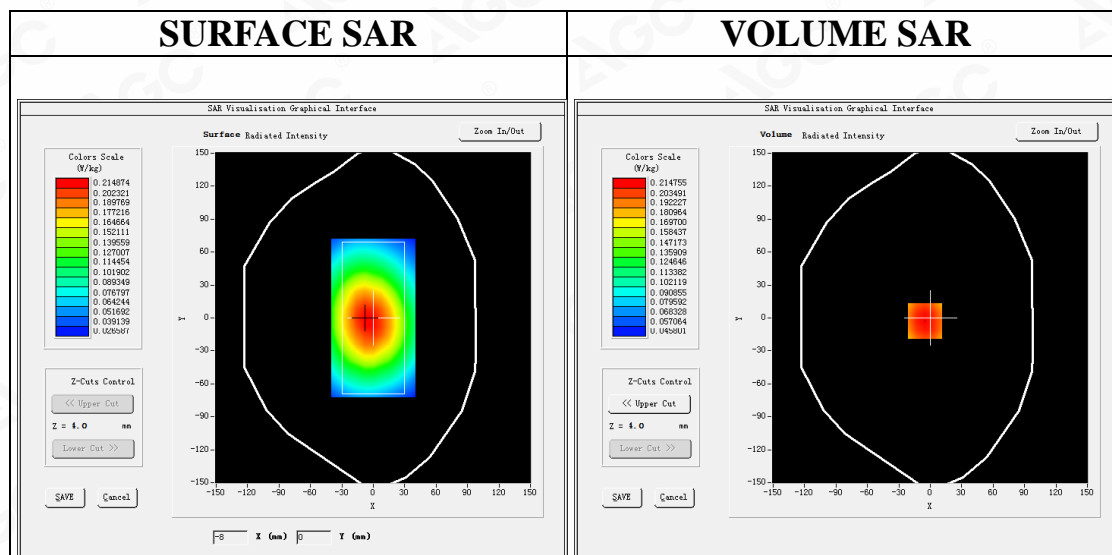
Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 707.5 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.90$  mho/m;  $\epsilon_r = 41.09$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 12 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 12 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



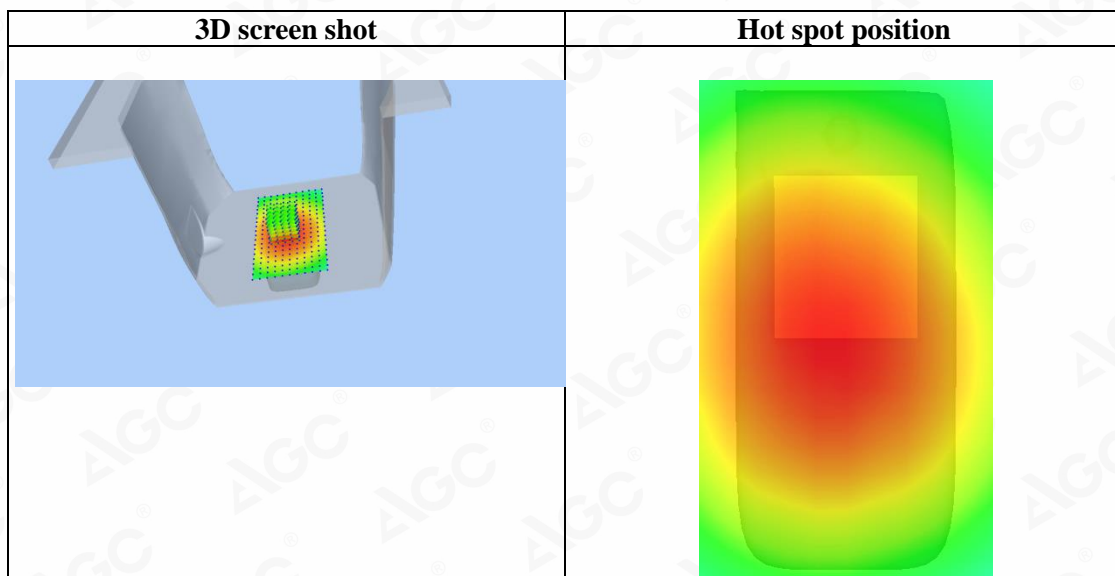
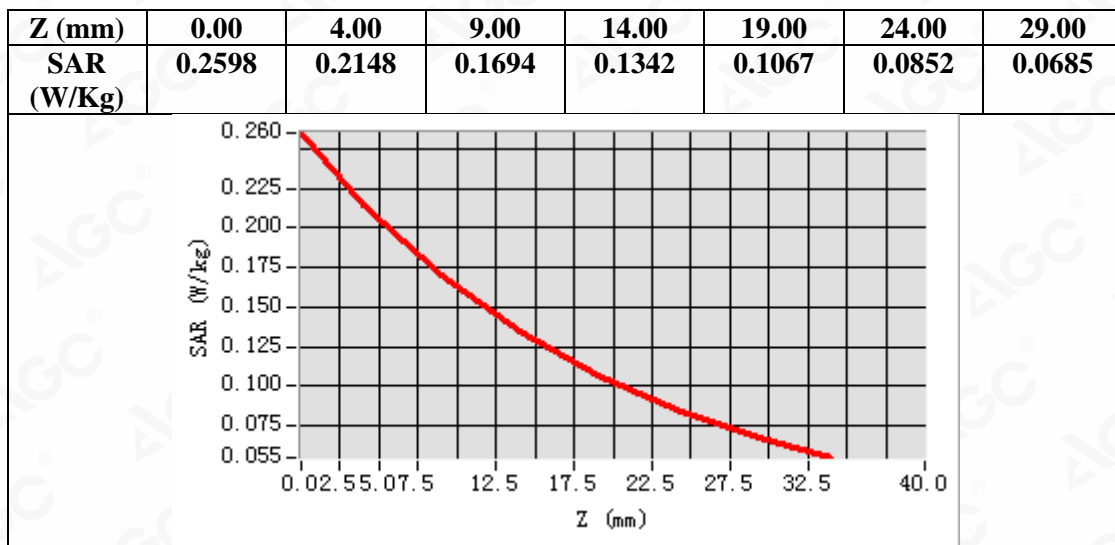
Maximum location: X=-5.00, Y=-3.00  
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.162162
SAR 1g (W/Kg)	0.212861

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Test Laboratory: AGC Lab  
LTE Band 13 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

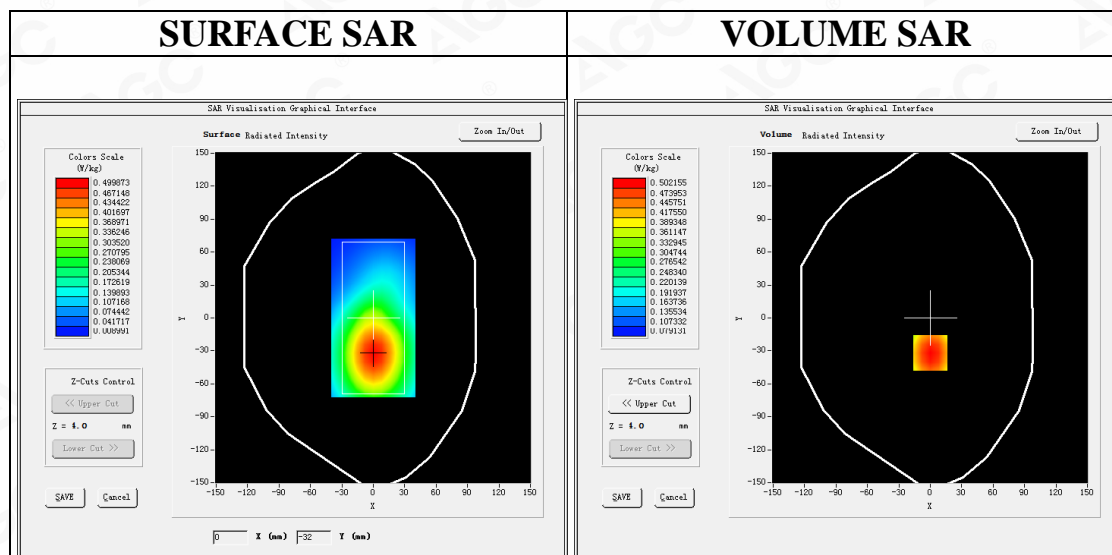
Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 782 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 40.64$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 13 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 13 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 13
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=0.00, Y=-32.00  
SAR Peak: 0.63 W/kg

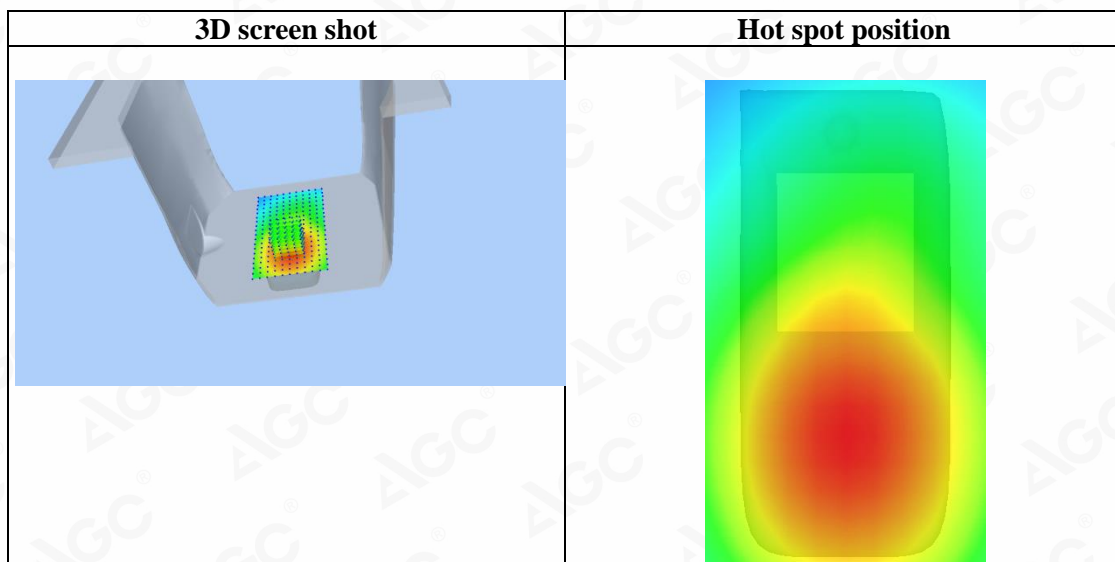
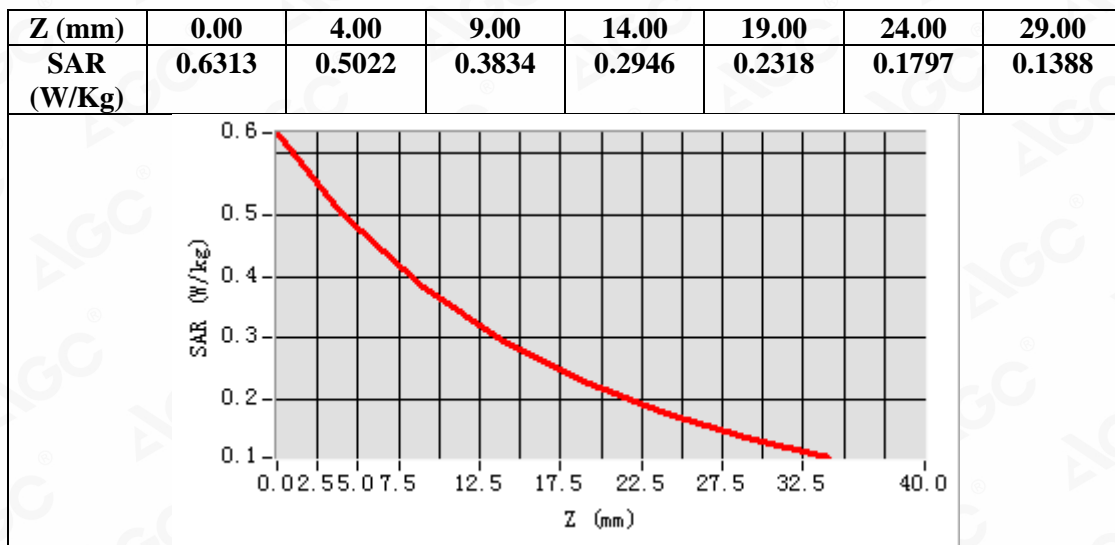
SAR 10g (W/Kg)	0.356110
SAR 1g (W/Kg)	0.486798

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Test Laboratory: AGC Lab  
LTE Band 13 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

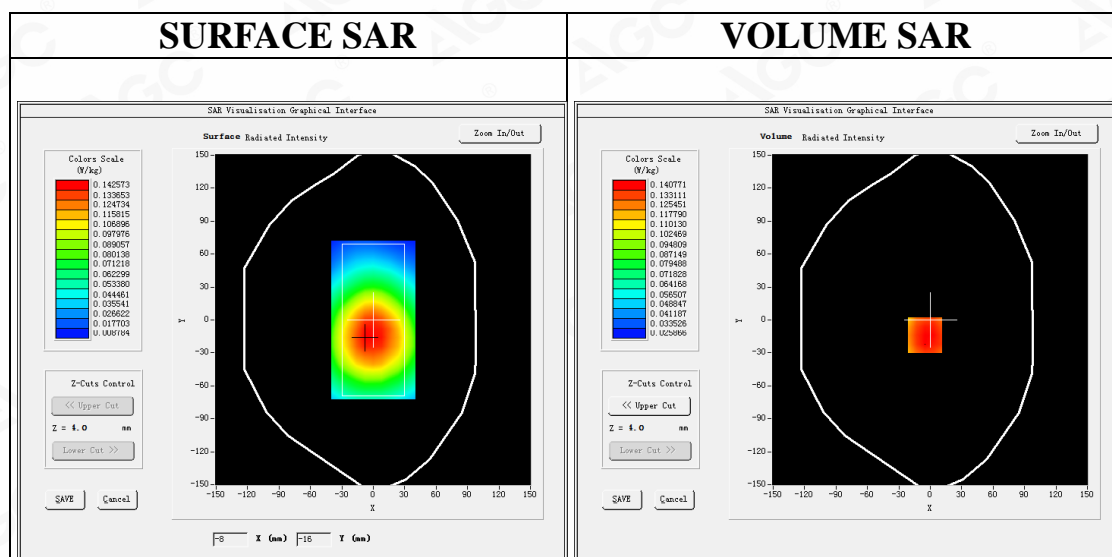
Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 782 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 40.64$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 13 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 13 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 13
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-5.00, Y=-14.00

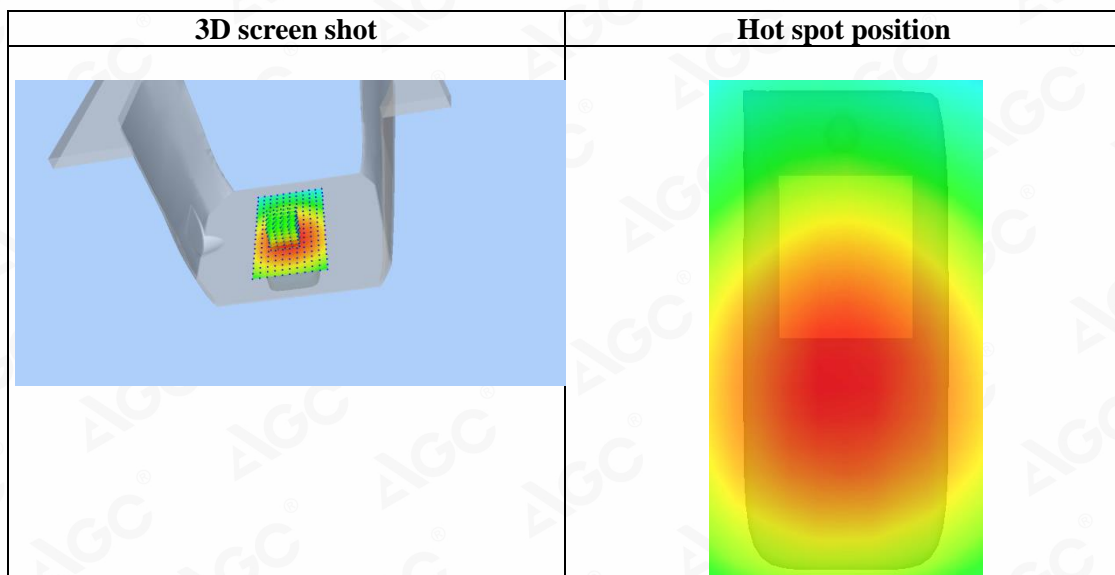
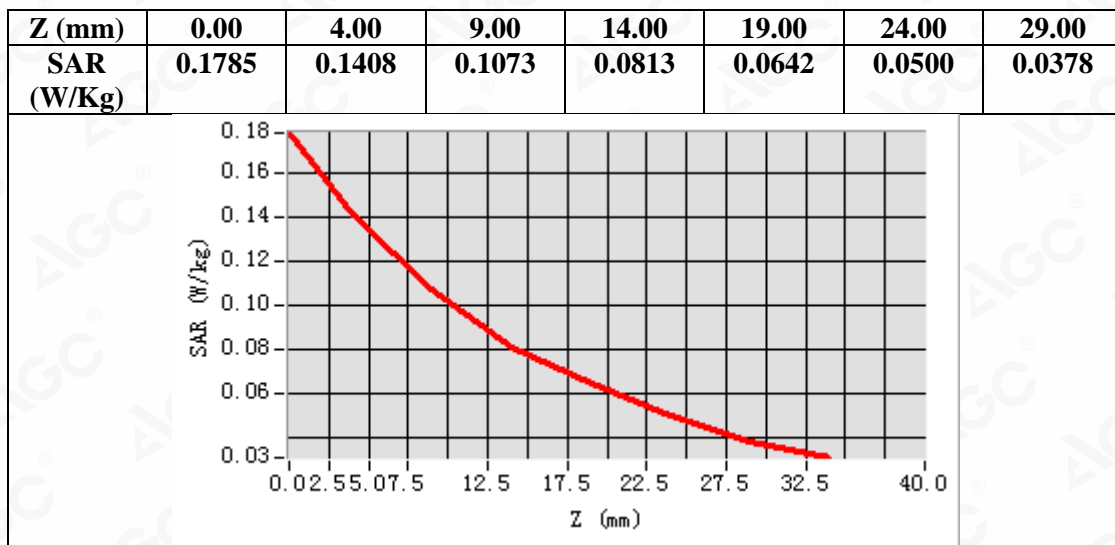
SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.102370
SAR 1g (W/Kg)	0.138104

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Test Laboratory: AGC Lab  
LTE Band 14 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

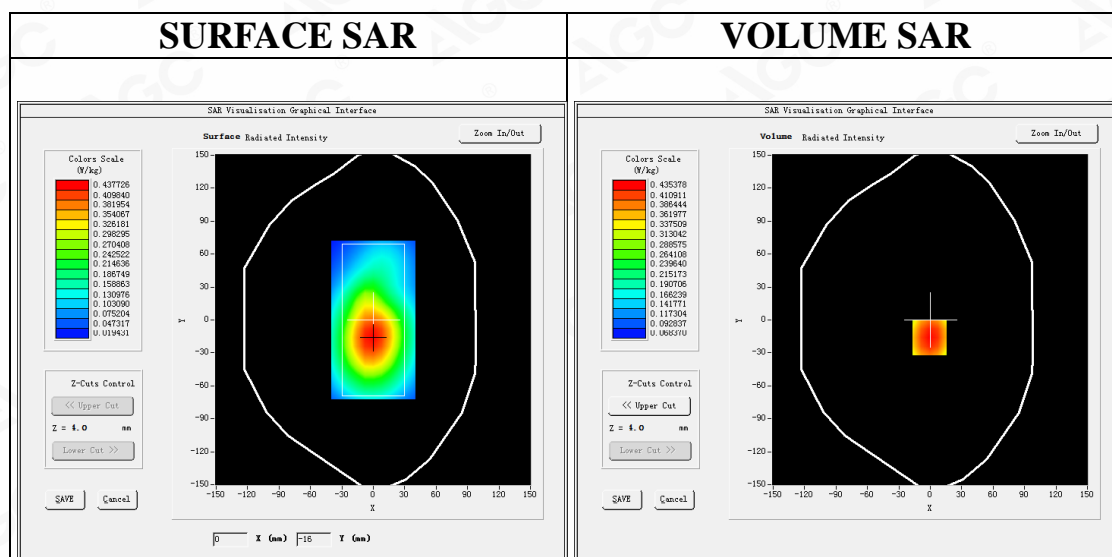
Communication System: LTE; Communication System Band: LTE Band 14; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 793 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma=0.93$  mho/m;  $\epsilon_r=40.23$ ;  $\rho=1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 14 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 14 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 14
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-1.00, Y=-16.00

SAR Peak: 0.55 W/kg

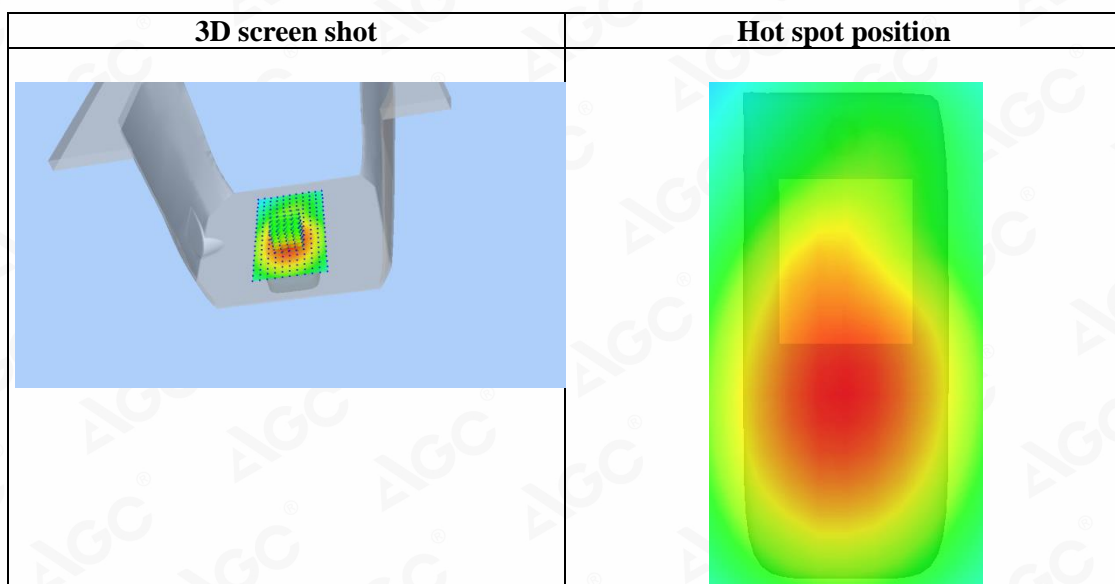
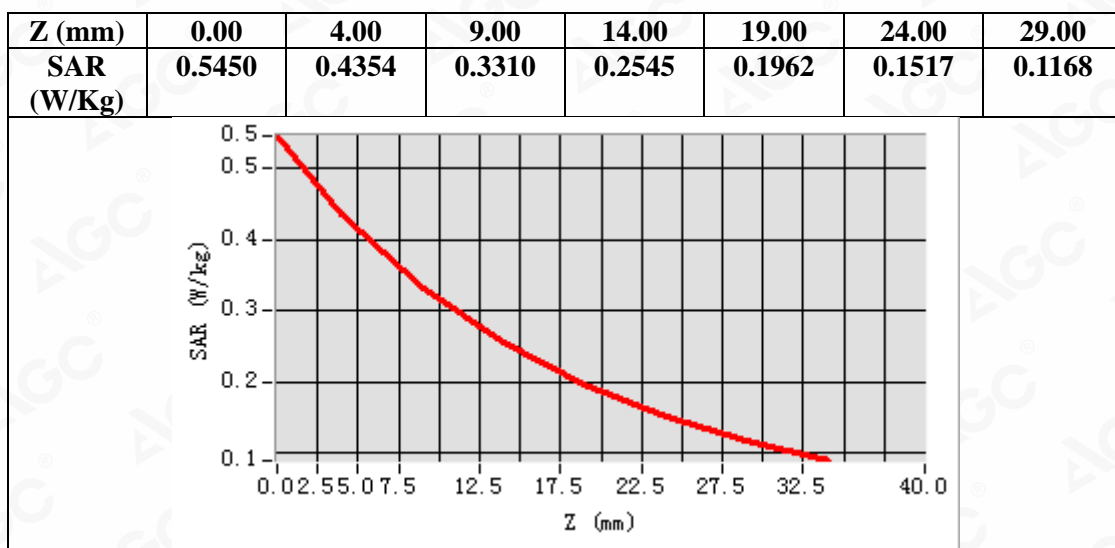
SAR 10g (W/Kg)	0.307526
SAR 1g (W/Kg)	0.421198

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Test Laboratory: AGC Lab  
LTE Band 14 Mid-Face up (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

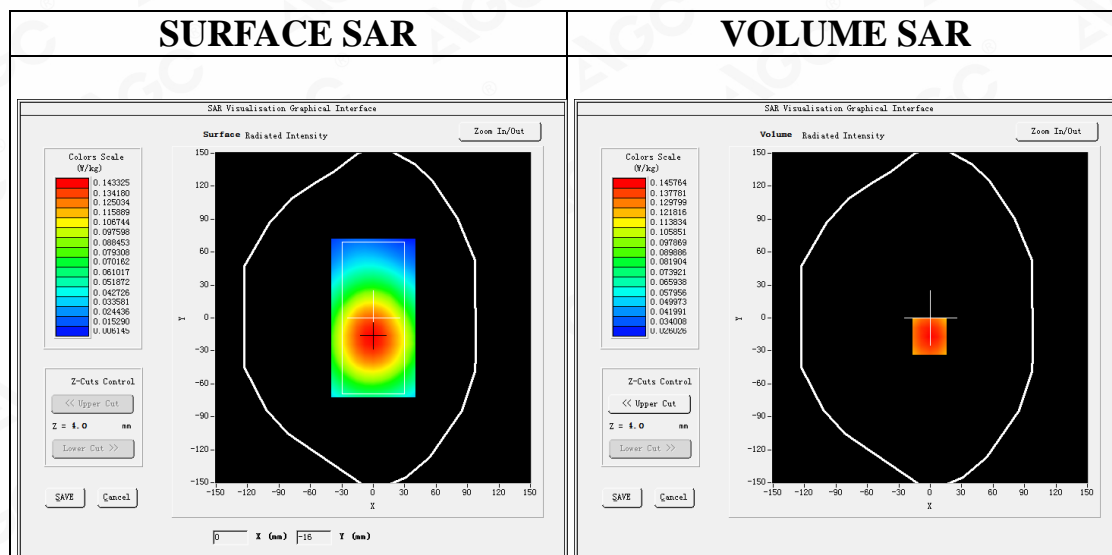
Communication System: LTE; Communication System Band: LTE Band 14; Duty Cycle:1:1; Conv.F=5.18;  
Frequency: 793 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 40.23$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 14 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 14 Mid-Face up/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up
Band	LTE Band 14
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-1.00, Y=-17.00

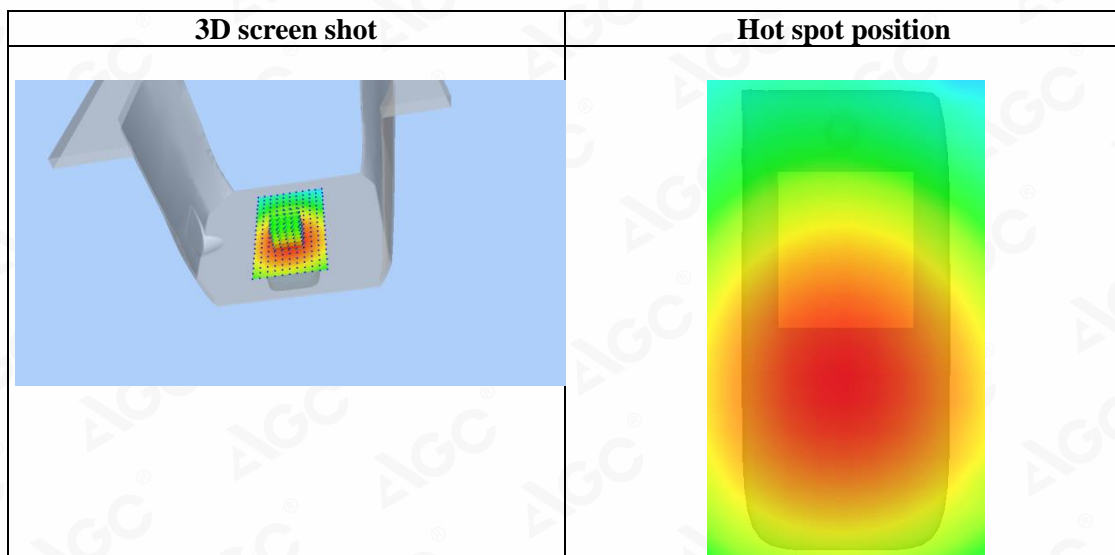
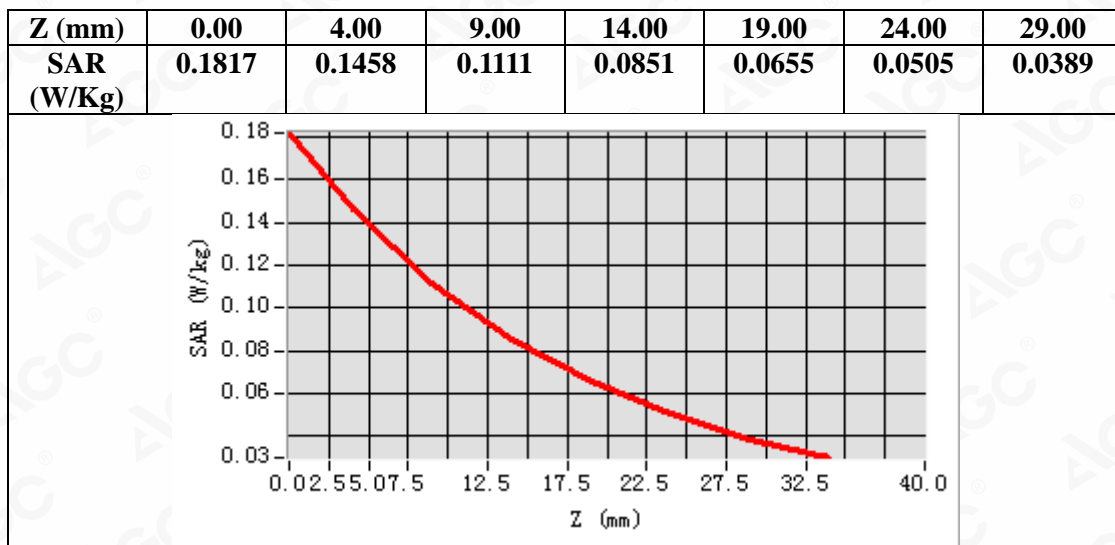
SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.104062
SAR 1g (W/Kg)	0.141156

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Test Laboratory: AGC Lab  
LTE Band 66 Mid-Body-Back (1 RB#0)  
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

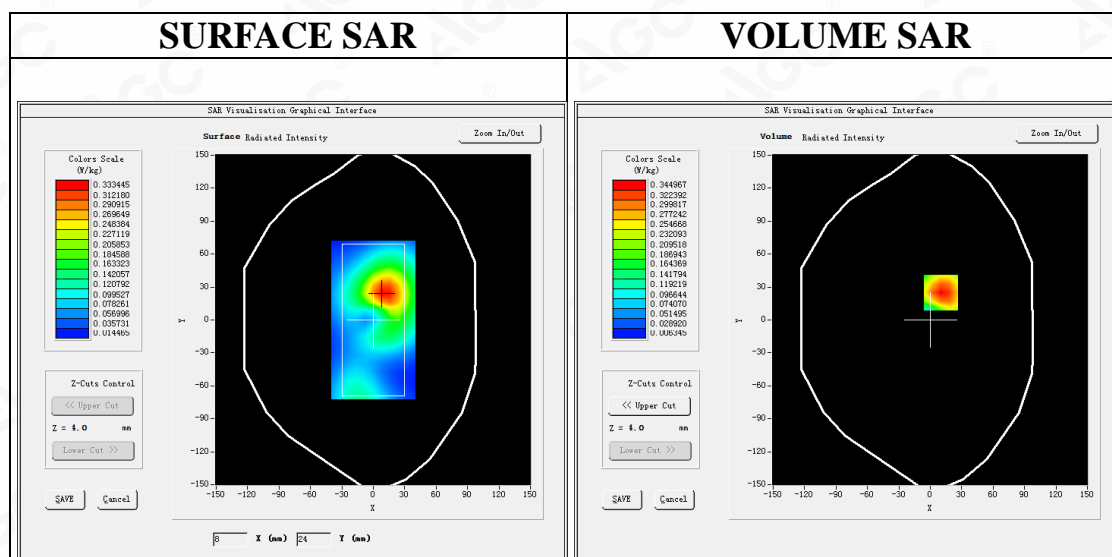
Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=4.48;  
Frequency:1755 MHz; Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.62$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Flat Section  
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ LTE Band 66 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm  
Configuration/ LTE Band 66 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 66
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=10.00, Y=25.00

SAR Peak: 0.52 W/kg

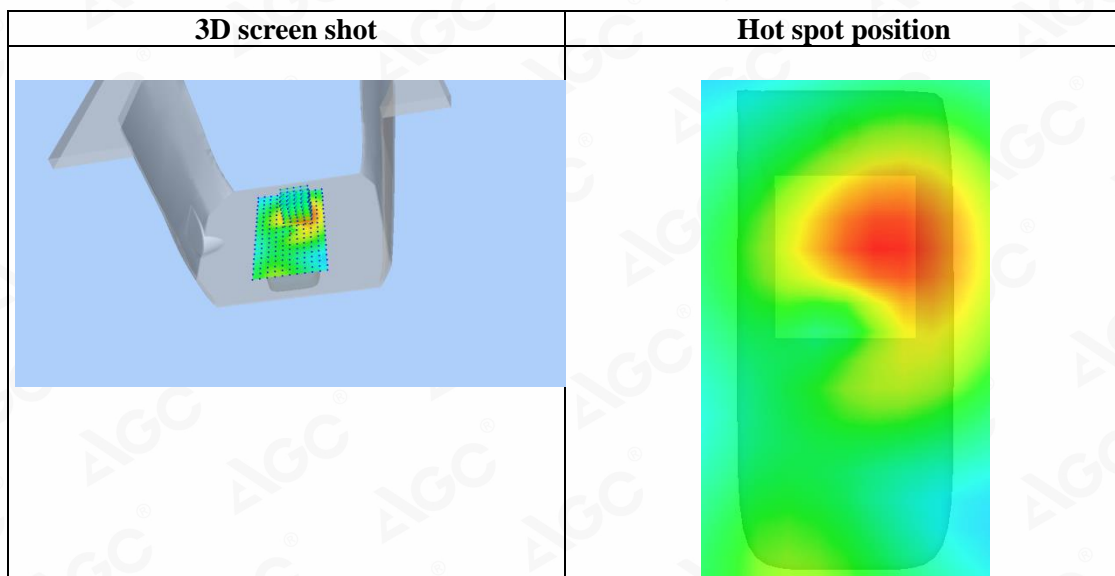
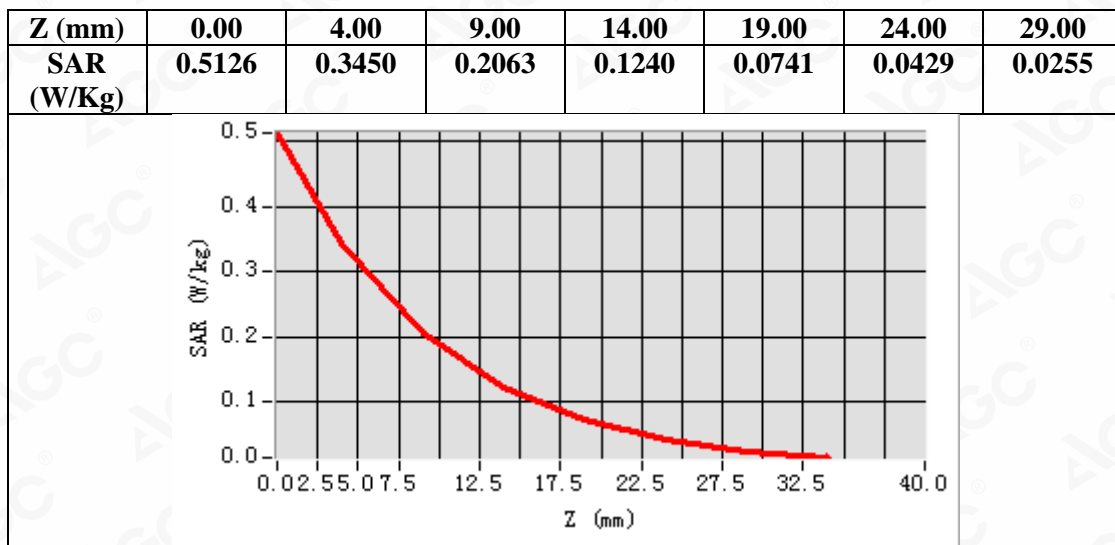
SAR 10g (W/Kg)	0.190671
SAR 1g (W/Kg)	0.330560

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