Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131997	Channel 132322	Channel 132647
5MHz	QPSK	1	0	0	23.58	22.37	22.69
			12	0	23.69	22.68	22.67
			24	0	23.58	22.47	22.48
		12	0	1	22.69	21.57	21.72
			6	1	22.68	21.68	21.69
			11	1	22.72	21.53	21.67
		25	0	1	22.54	21.59	21.65
	16QAM	1	0	1	22.55	21.41	21.54
			12	1	22.66	21.24	21.84
			24	1	22.60	21.13	21.61
		12	0	2	21.47	20.52	20.71
			6	2	21.81	20.76	20.71
			11	2	21.45	20.75	20.82
		25	0	2	21.62	20.86	20.71
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132022	Channel 132322	Channel 132622
10MHz	QPSK	1	0	0	23.51	22.36	23.07
			24	0	23.47	23.15	22.32
			49	0	23.01	22.78	22.88
		25	0	1	22.47	21.88	21.89
			12	1	22.53	21.81	21.65
			25	1	22.36	21.71	21.92
		50	0	1	22.30	21.57	21.74
	16QAM	1	0	1	22.67	21.65	21.88
			24	1	22.49	22.12	21.49
			49	1	22.73	21.59	22.09
		25	0	2	21.53	20.58	20.77
			12	2	21.64	21.09	21.02
			25	2	21.31	20.93	21.03
		50	0	2	21.54	20.70	20.85

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132047	Channel 132322	Channel 132597
15MHz	QPSK	1	0	0	22.92	22.47	22.37
			37	0	23.59	22.77	22.87
			74	0	23.24	23.22	23.10
		38	0	1	22.25	22.08	21.75
			16	1	22.96	21.26	21.79
			35	1	22.79	21.71	21.31
		75	0	1	22.49	21.80	21.77
	16QAM	1	0	1	22.67	21.73	21.62
			37	1	22.30	21.67	22.37
			74	1	22.36	22.21	21.91
		38	0	2	22.80	21.53	22.04
			16	2	22.34	22.06	21.32
			35	2	22.96	21.26	21.74
		75	0	2	21.64	20.93	20.89
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132072	Channel 132322	Channel 132572
20MHz	QPSK	1	0	0	23.08	22.92	22.98
			49	0	23.37	23.11	23.03
			99	0	23.34	23.21	22.52
		50	0	1	22.52	22.12	22.05
			25	1	22.37	22.13	21.96
			49	1	22.27	21.82	21.77
		100	0	1	22.41	21.87	21.92
	16QAM	1	0	1	22.48	22.25	22.47
			49	1	22.14	22.12	21.93
			99	1	22.34	21.83	22.51
		50	0	2	21.41	21.20	21.10
			25	2	21.33	20.90	21.19
			49	2	21.46	21.19	20.88
		100	0	2	21.56	20.94	20.94

Conducted Power of LTE Band 71(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 133147	Channel 133297	Channel 133447
5MHz	QPSK	1	0	0	22.10	22.74	**24.72**
			12	0	22.30	23.31	23.92
			24	0	22.40	23.27	24.40
		12	0	1	21.19	21.94	23.28
			6	1	21.28	21.94	23.28
			13	1	21.36	22.23	23.70
		25	0	1	21.16	22.00	23.44
	16QAM	1	0	1	20.90	21.83	23.68
			12	1	21.56	22.22	22.52
			24	1	21.10	22.29	23.95
		12	0	2	20.26	21.28	22.36
			6	2	20.27	21.08	22.17
			13	2	20.35	21.08	22.60
		25	0	2	20.26	21.14	22.61
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 133172	Channel 133297	Channel 133422
10MHz	QPSK	1	0	0	22.37	22.69	24.07
			24	0	22.59	23.12	23.51
			49	0	22.17	23.28	24.66
		25	0	1	21.50	22.30	22.87
			12	1	21.40	21.88	23.56
			25	1	21.46	21.98	22.87
		50	0	1	21.47	22.07	23.23
	16QAM	1	0	1	21.71	22.03	23.16
			24	1	21.17	21.62	22.80
			49	1	21.34	22.10	23.45
		25	0	2	20.71	21.38	21.92
			12	2	20.53	21.00	21.91
			25	2	20.54	21.05	22.42
		50	0	2	20.62	21.09	22.28

Conducted Power of LTE Band 71(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 133197	Channel 133297	Channel 133397
15MHz	QPSK	1	0	0	22.18	22.57	24.43
			37	0	22.48	23.23	23.49
			74	0	22.74	22.83	23.51
		38	0	1	21.21	21.23	22.45
			16	1	21.63	22.26	22.92
			35	1	21.91	21.84	23.86
		75	0	1	21.61	22.10	23.04
	16QAM	1	0	1	21.24	21.65	22.59
			37	1	21.70	22.07	22.54
			74	1	21.94	22.23	23.69
		38	0	2	21.63	21.83	22.45
			16	2	21.40	21.64	22.90
			35	2	21.90	22.07	23.86
		75	0	2	20.58	21.20	21.89
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 133222	Channel 133322	Channel 133372
20MHz	QPSK	1	0	0	23.10	22.74	23.67
			49	0	22.78	23.94	23.03
			99	0	22.16	23.78	24.52
		50	0	1	21.44	22.62	22.34
			25	1	21.42	22.23	23.04
			50	1	21.99	22.23	22.35
		100	0	1	21.73	22.45	22.79
	16QAM	1	0	1	22.15	22.90	23.27
			49	1	21.19	21.72	22.59
			99	1	22.12	22.58	24.20
		50	0	2	21.15	21.79	21.32
			25	2	20.60	21.28	21.32
			50	2	20.50	21.28	22.22
		100	0	2	20.89	21.59	21.76

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

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	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 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	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 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 6.6.3.3.11	28 28	5, 10	Table 5.4.2-1	N/A
			5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 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	-	-	-	-	-

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 according to IEEE 1528-2013, Body-worn SAR was performed with the device 10mm from the phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is ≤ 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 ≥0.8W/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 ≥0.8W/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 ≥1.45 W/Kg.
   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/Kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
3. Per KDB 648474 D04 v01r03,when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤1.2W/Kg, SAR testing with a headset connected is not required.
4. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
5. 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.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]
6. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
7. Per KDB 941225 D05v02r03, 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.
8. Per KDB 941125 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
9. Per KDB 941125 D05v02r03. 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.
10. Per KDB 941125 D05v02r03. 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 ≤1.45W/Kg, Per KDB 941225 D05v02r02, 16QAM SAR testing is not required.

11. Per KDB 941125 D05v02r03. 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 ≤1.45W/Kg. Per KDB 941125 D05v02r03, smaller bandwidth SAR testing is not required.

13.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15			Relative Humidity (%): 49.8						
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	**0.192**	24.60	24.49	**0.197**	1.6
Face up	RMC 12.2kbps	9400	1880	-0.08	**0.429**	24.60	24.49	**0.440**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15			Relative Humidity (%): 46.7						
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	0.13	**0.166**	23.10	23.04	**0.168**	1.6
Face up	RMC 12.2kbps	8662	1732.4	-0.04	**0.431**	23.10	23.04	**0.437**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15			Relative Humidity (%): 49.5						
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	-0.36	**0.409**	24.80	24.69	**0.419**	1.6
Face up	RMC 12.2kbps	4183	836.4	-0.21	**0.767**	24.80	24.69	**0.787**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 49.8							
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	0.22	**0.156**	23.10	22.38	**0.184**	1.6
		Face up	1	0	18900	1880	0.07	**0.351**	23.10	22.38	**0.414**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 46.7							
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. 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	20175	1732.5	-0.10	**0.186**	24.30	23.33	**0.233**	1.6
		Face up	1	0	20175	1732.5	-0.03	**0.428**	24.30	23.33	**0.535**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 49.5							
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	0.11	**0.326**	23.20	23.09	**0.334**	1.6
		Face up	1	0	20525	836.5	0.06	**0.733**	23.20	23.09	**0.752**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 47.6							
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	0.18	**0.028**	25.83	23.80	**0.045**	1.6
		Face up	1	0	23095	707.5	0.32	**0.118**	25.83	23.80	**0.188**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 47.6							
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	0.25	**0.155**	23.70	23.18	**0.175**	1.6
		Face up	1	0	23230	782	-0.33	**0.459**	23.70	23.18	**0.517**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 47.6							
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	0.10	**0.173**	24.80	24.56	**0.183**	1.6
		Face up	1	0	23330	793	-0.02	**0.425**	24.80	24.56	**0.449**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 46.7							
Product: POC Radio												
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	0.15	**0.191**	23.70	22.92	**0.229**	1.6
		Face up	1	0	132422	1755	-0.10	**0.483**	23.70	22.92	**0.578**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 47.6							
Product: POC Radio												
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	0.16	**0.015**	24.72	22.74	**0.024**	1.6
		Face up	1	0	133322	683	0.09	**0.067**	24.72	22.74	**0.106**	1.6

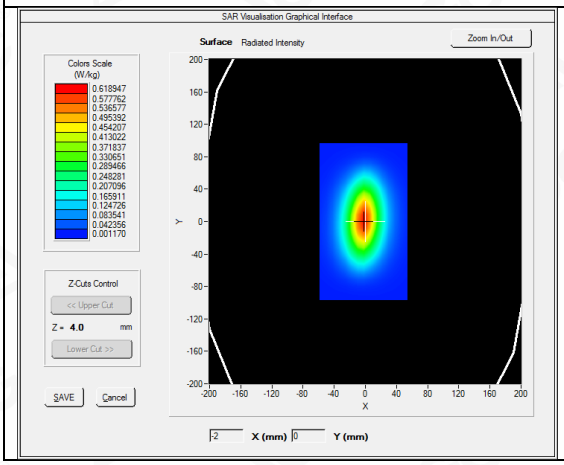
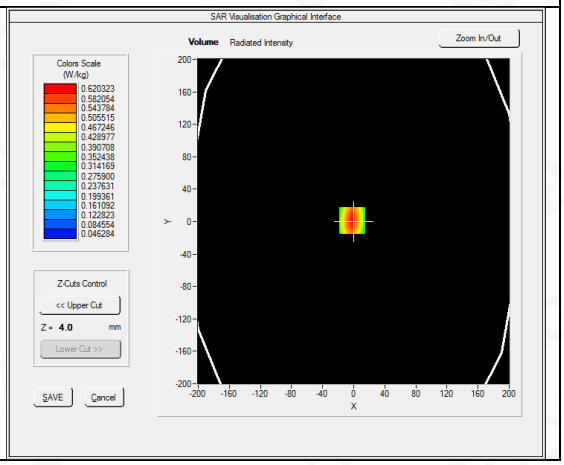
Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back and face up is 10mm of all above table.

APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Aug. 22,2020**
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=5.06
Frequency: 750 MHz; Medium parameters used: f = 750 MHz; σ=0.91 mho/m; εr =42.57; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

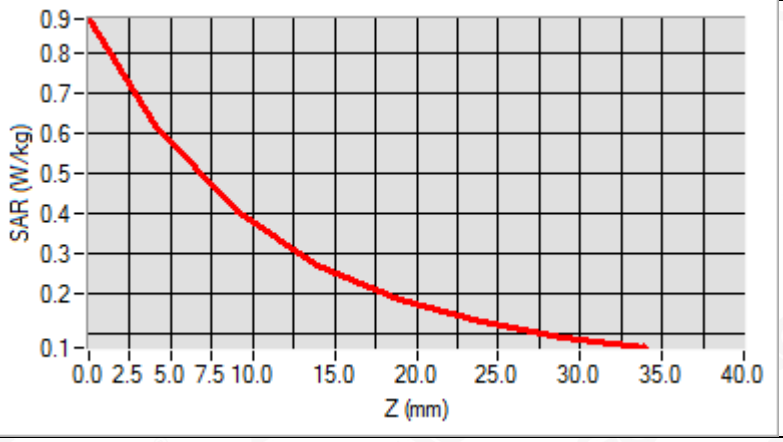
Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

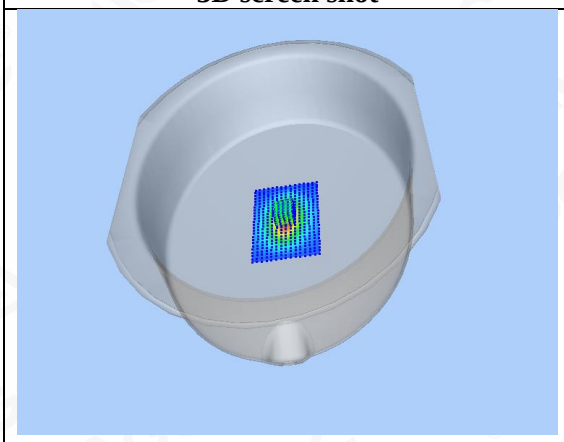
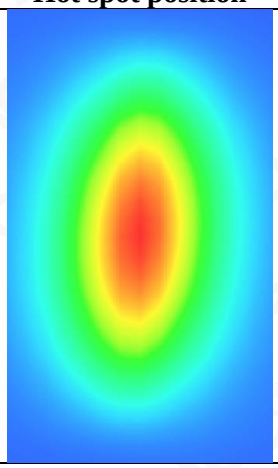
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=1.00
SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.343945
SAR 1g (W/Kg)	0.522875

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8993	0.6547	0.4017	0.2625	0.1831	0.1225	0.0818

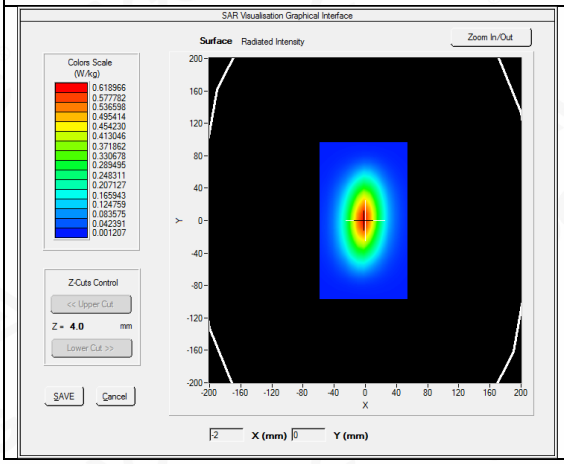
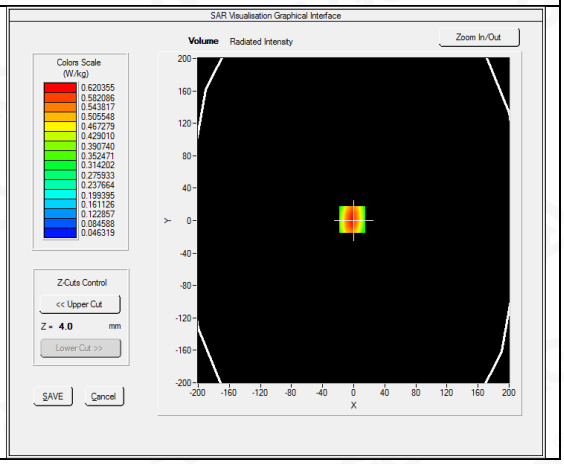


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Aug. 21,2020**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=5.26
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.88 mho/m; εr =40.21; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.6, Liquid temperature (℃): 21.3

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

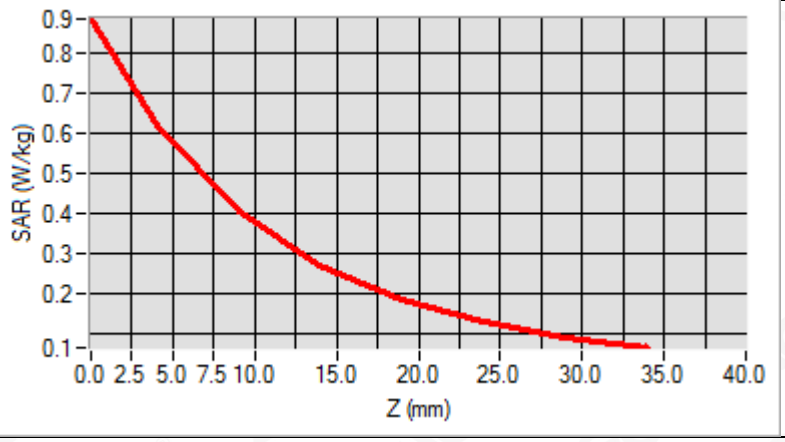
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

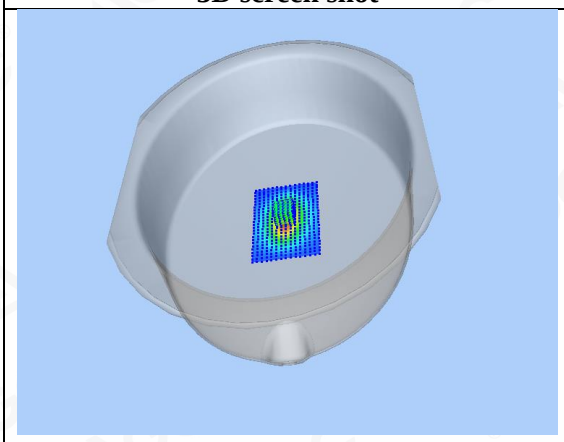
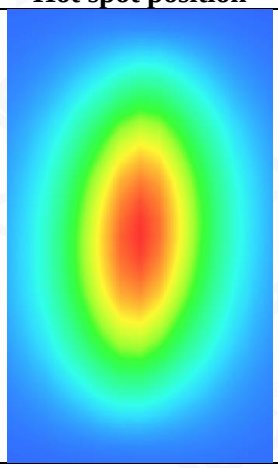
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=1.00
SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.373815
SAR 1g (W/Kg)	0.592974

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8831	0.6204	0.4013	0.2689	0.1836	0.1274	0.0893

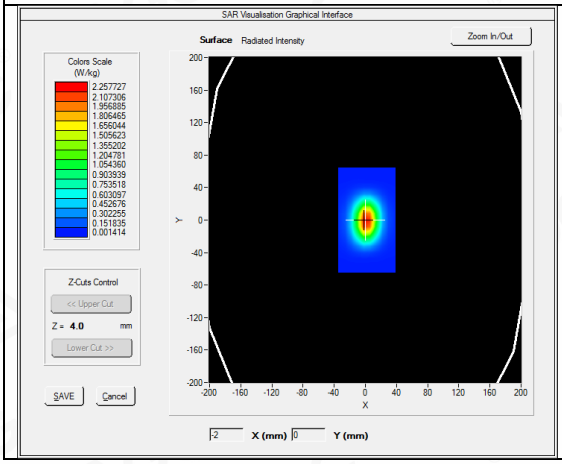
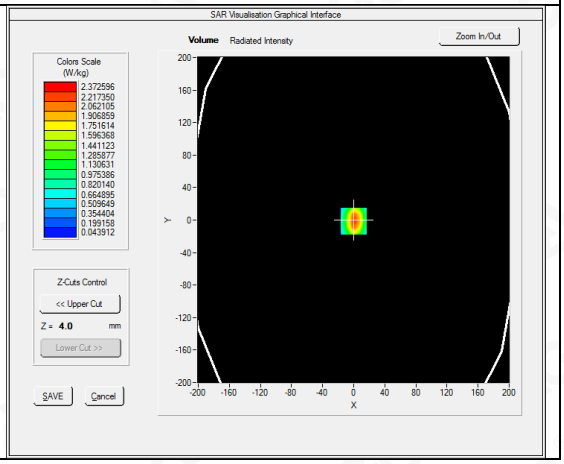


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Aug. 28,2020**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=4.48
Frequency: 1750 MHz; Medium parameters used: f = 1800MHz; σ=1.36 mho/m; εr =39.67; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

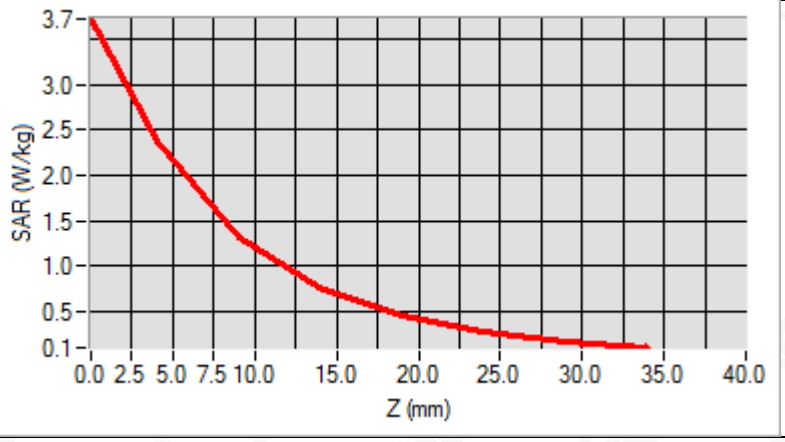
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

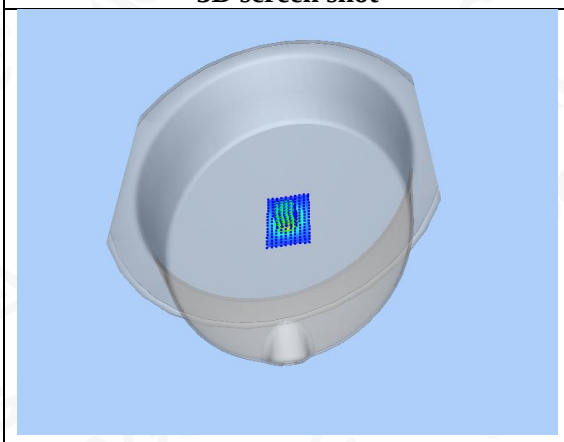
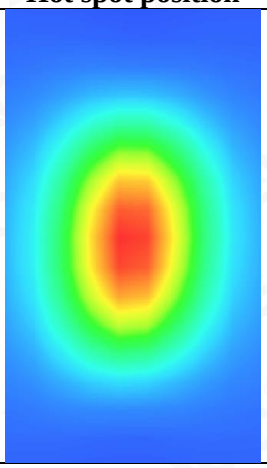
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-1.00
SAR Peak: 3.73 W/kg

SAR 10g (W/Kg)	1.187542
SAR 1g (W/Kg)	2.329865

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.7235	2.3785	1.3216	0.7702	0.4538	0.2746	0.1617

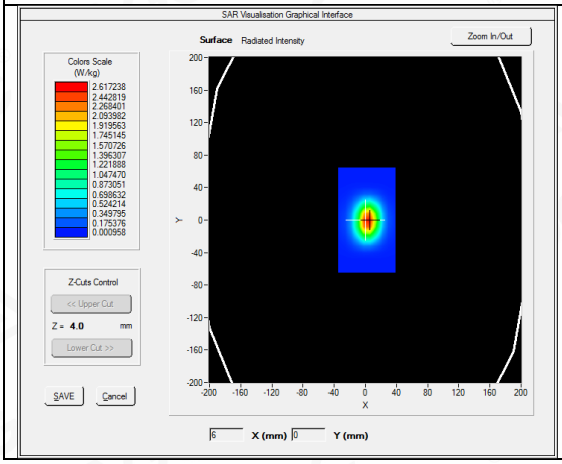
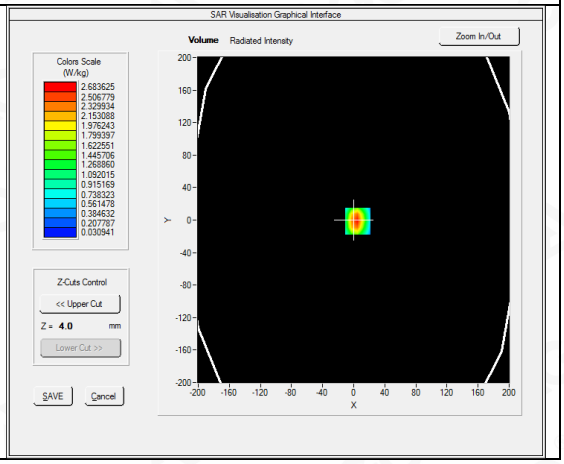


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Aug. 31,2020**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=4.72
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.43 mho/m; εr =39.18; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):21.4, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

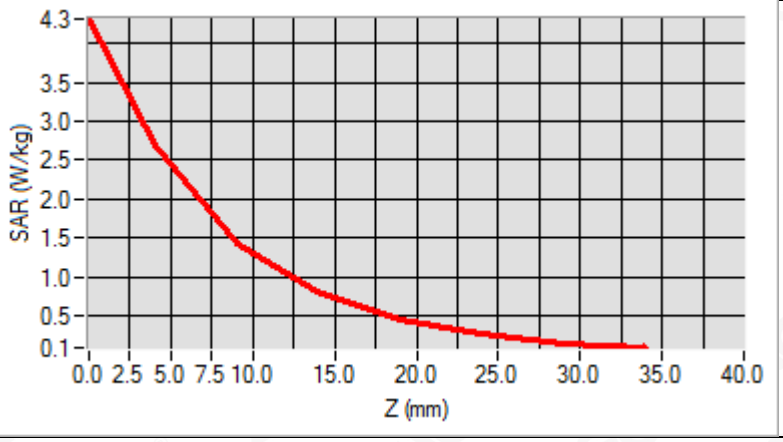
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

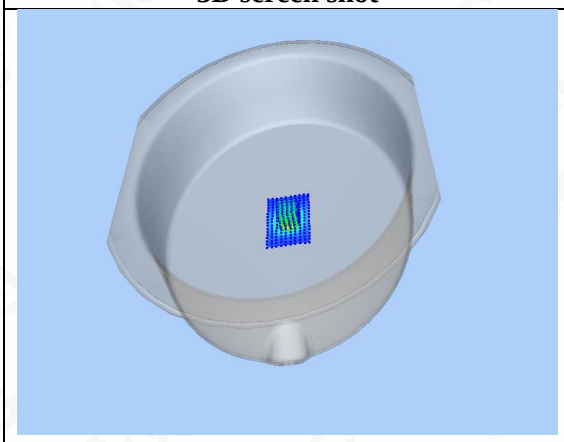
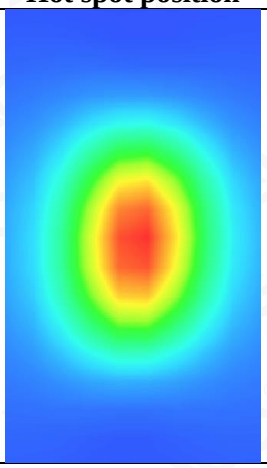
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-1.00
SAR Peak: 4.37 W/kg

SAR 10g (W/Kg)	1.270872
SAR 1g (W/Kg)	2.553977

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.3235	2.6828	1.4336	0.8054	0.4495	0.2538	0.1427



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

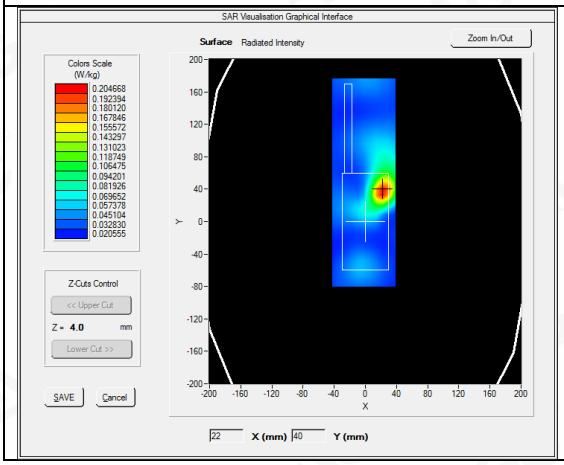
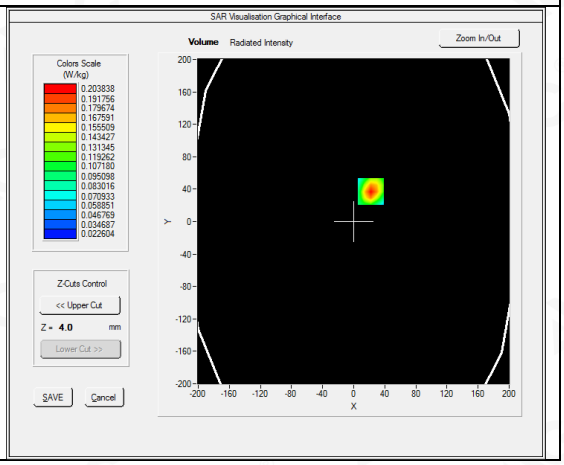
Test Laboratory: AGC Lab **Date: Aug. 31,2020**
WCDMA Band II Mid-Body-Towards Grounds (RMC 12.2kbps)
DUT: POC Radio; Type: IP-79

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.72;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; εr =40.36; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

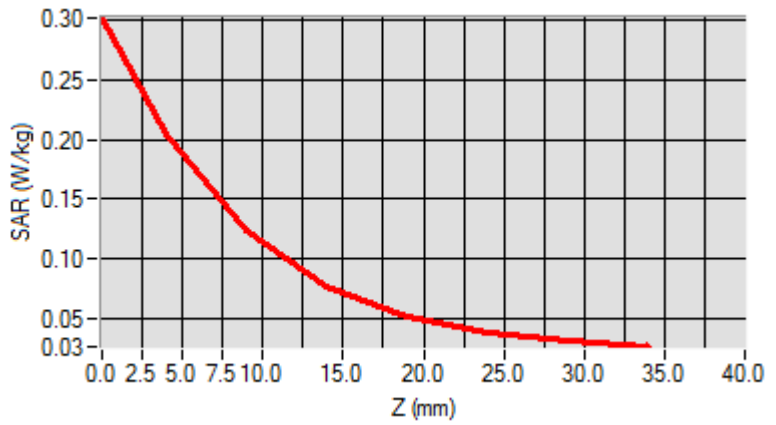
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

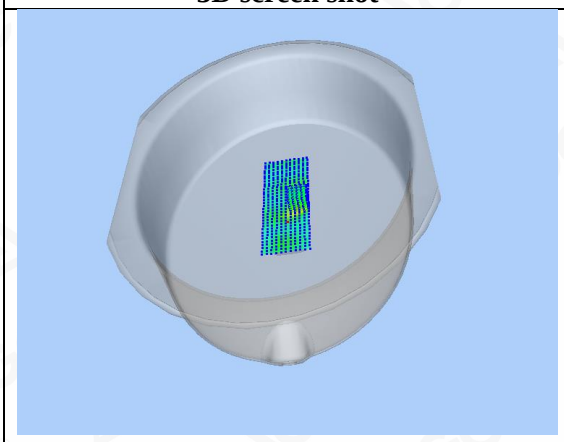
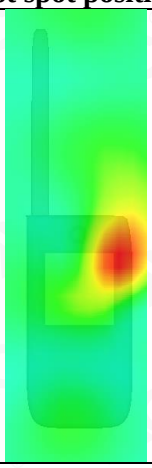
SURFACE SAR	VOLUME SAR
	

Maximum location: X=22.00, Y=37.00
SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.110524
SAR 1g (W/Kg)	0.192028

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3017	0.2038	0.1241	0.0773	0.0521	0.0381	0.0308



3D screen shot	Hot spot position
	

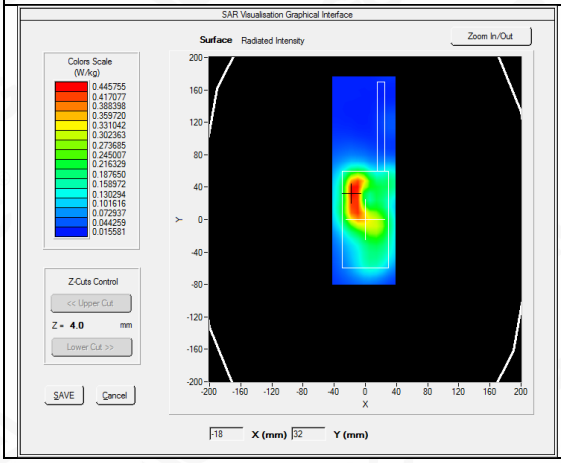
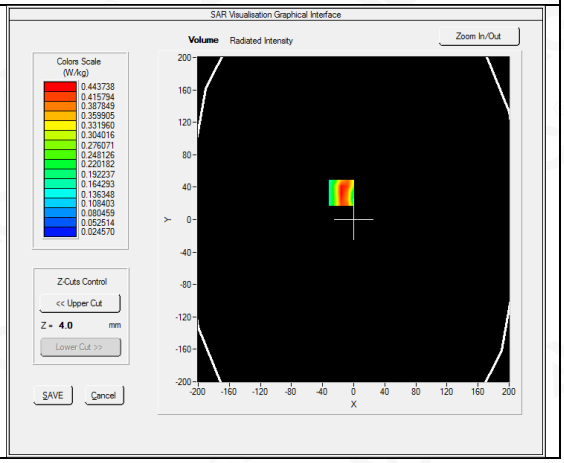
Test Laboratory: AGC Lab **Date: Aug. 31,2020**
WCDMA Band II Mid-Body-Towards Phantom (RMC 12.2kbps)
DUT: POC Radio; Type: IP-79

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.72;
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; εr =40.36; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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;

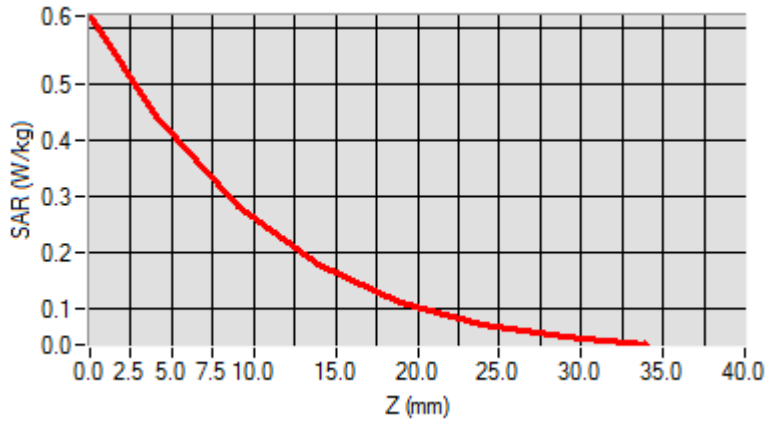
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Face up
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

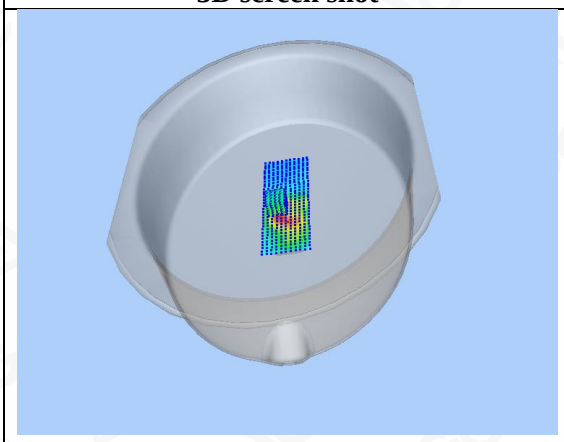
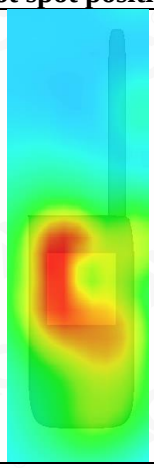
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-16.00, Y=33.00
SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.241773
SAR 1g (W/Kg)	0.428616

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6220	0.4437	0.2839	0.1777	0.1109	0.0717	0.0485



3D screen shot	Hot spot position
	

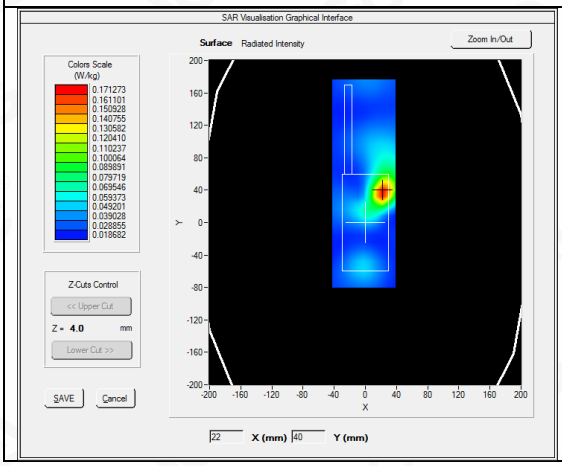
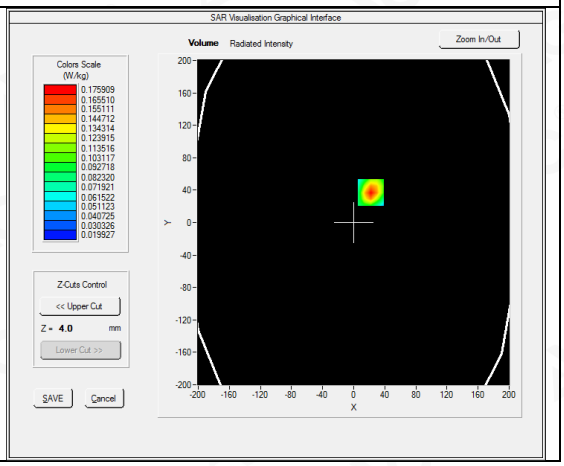
Test Laboratory: AGC Lab **Date: Aug. 28,2020**
WCDMA Band IV Mid-Body-Towards Grounds (RMC)
DUT: POC Radio; Type: IP-79

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 = 1800 MHz; σ=1.33 mho/m; εr =41.53; ρ= 1000 kg/m³;
Phantom section: Flat Section
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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;

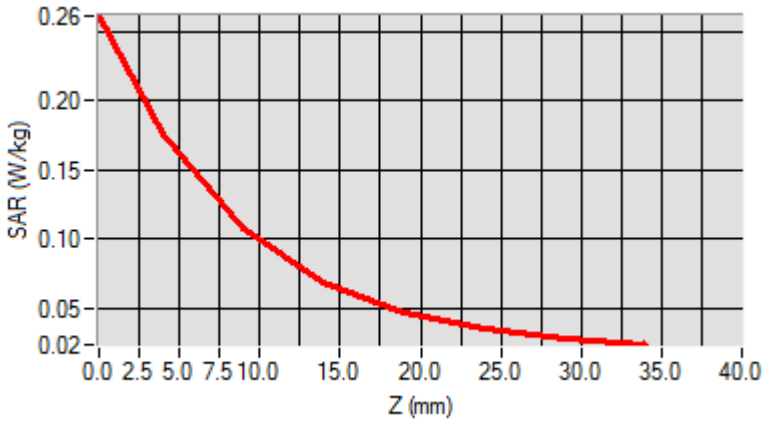
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

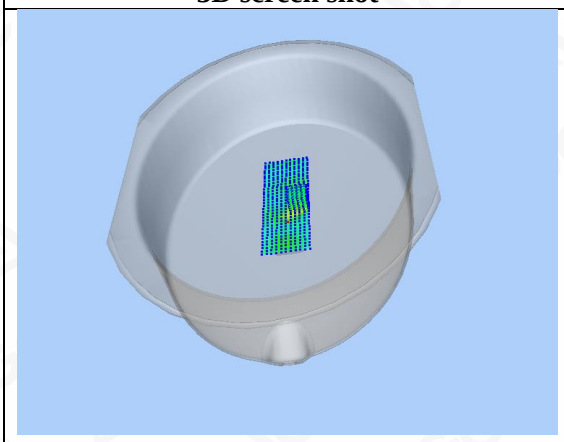
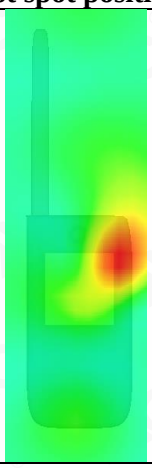
SURFACE SAR	VOLUME SAR
	

Maximum location: X=22.00, Y=37.00
SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.096293
SAR 1g (W/Kg)	0.166314

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2609	0.1759	0.1077	0.0687	0.0467	0.0346	0.0273



3D screen shot	Hot spot position
	

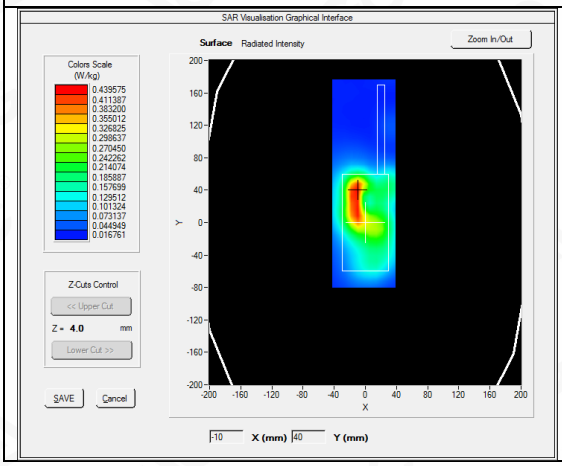
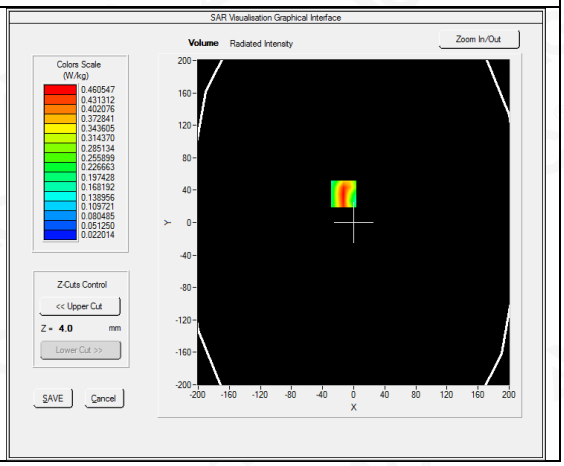
Test Laboratory: AGC Lab **Date: Aug. 28,2020**
WCDMA Band IV Mid- Body-Towards Phantom (RMC)
DUT: POC Radio; Type: IP-79

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 = 1800 MHz; σ=1.33 mho/m; εr =41.53; ρ= 1000 kg/m³;
Phantom section: Flat Section
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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;

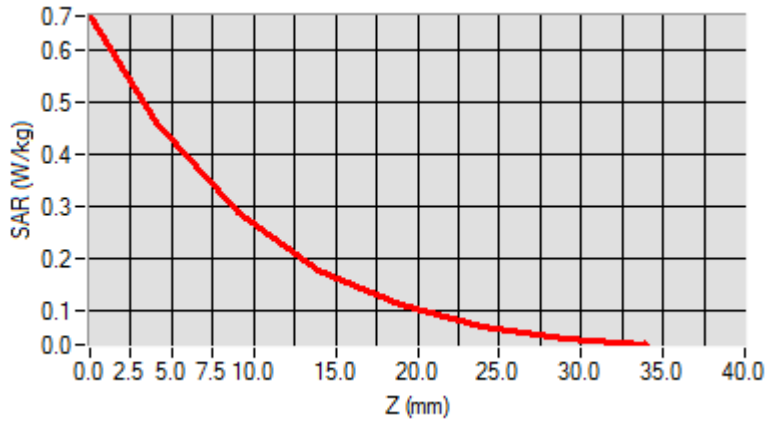
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Face up
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

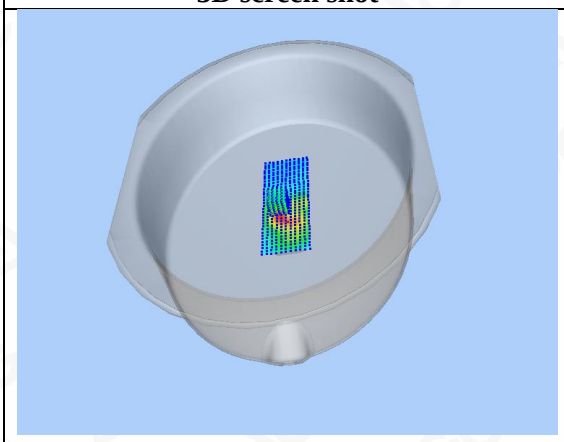
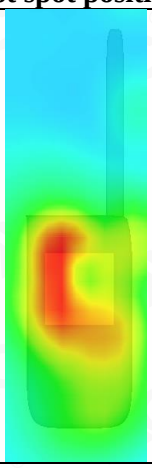
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-13.00, Y=35.00
SAR Peak: 0.69 W/kg

SAR 10g (W/Kg)	0.242625
SAR 1g (W/Kg)	0.431104

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6648	0.4605	0.2855	0.1752	0.1084	0.0691	0.0457



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Aug. 21,2020**

WCDMA Band Ⅴ Mid-Body-Towards Grounds (RMC)

DUT: POC Radio; Type: IP-79

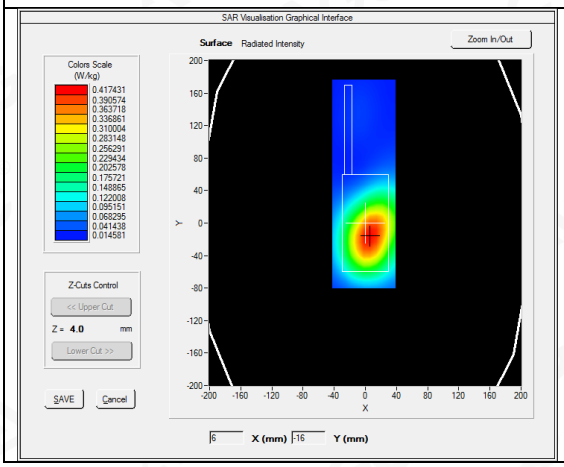
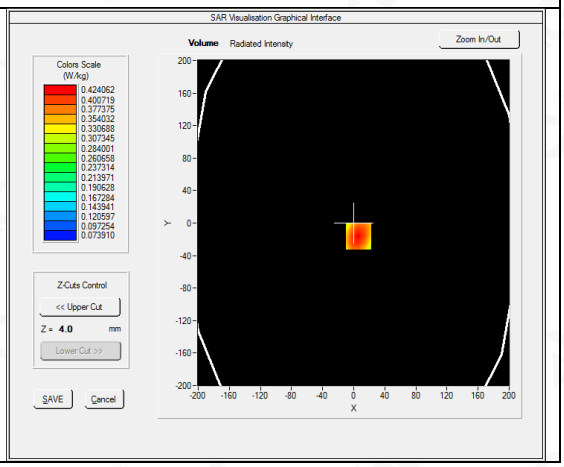
Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=5.26;
Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ= 0.90 mho/m; εr = 39.52; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.3

SATIMO Configuration:

Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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;

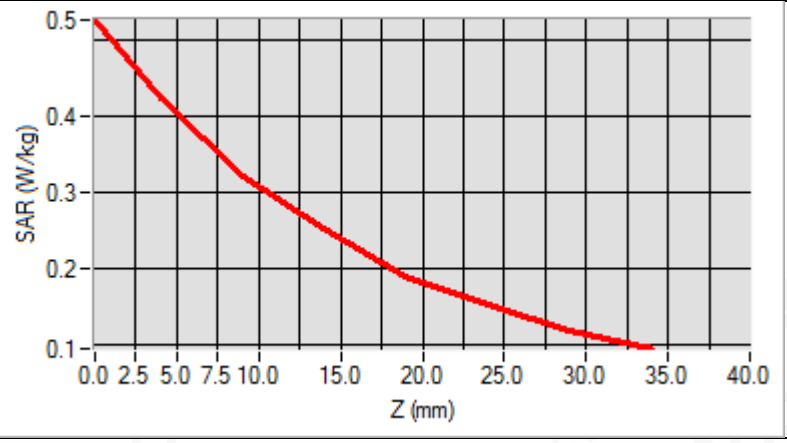
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

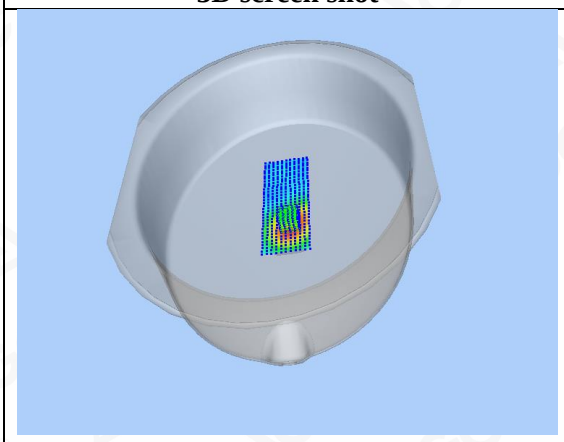
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=6.00, Y=-16.00
SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.301372
SAR 1g (W/Kg)	0.409296

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5266	0.4241	0.3216	0.2527	0.1898	0.1504	0.1181



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Aug. 21,2020**

WCDMA Band Ⅴ Mid-Body-Towards Phantom (RMC)

DUT: POC Radio; Type: IP-79

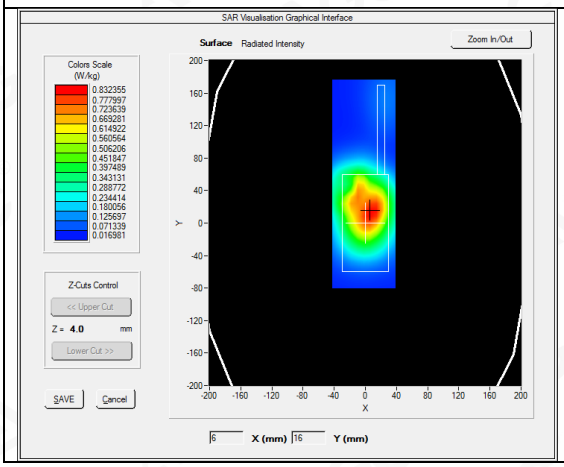
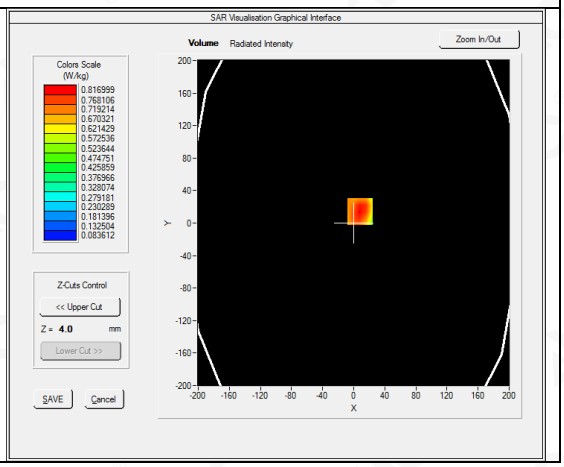
Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=5.26;
Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ= 0.90 mho/m; εr = 39.52; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.3

SATIMO Configuration:

Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

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

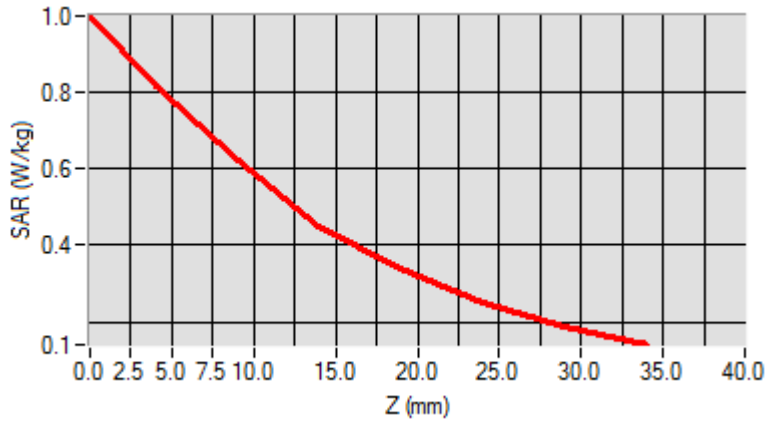
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Face up
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

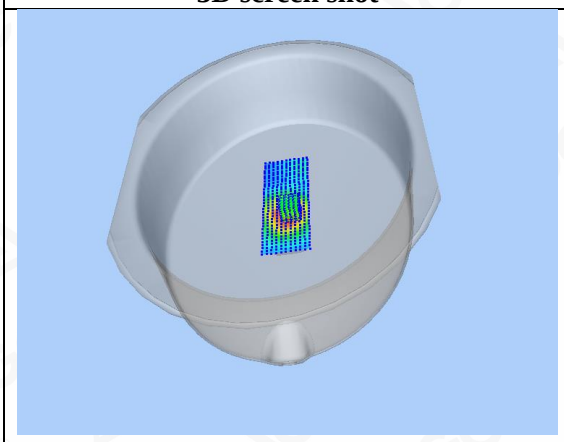
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=14.00
SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.560791
SAR 1g (W/Kg)	0.766509

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9991	0.8170	0.6243	0.4504	0.3408	0.2509	0.1874



3D screen shot	Hot spot position
	

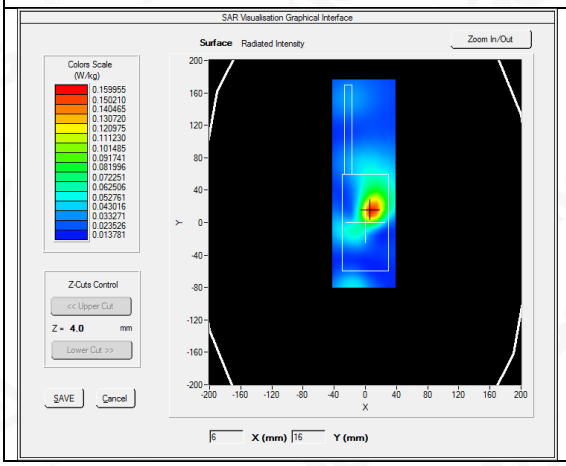
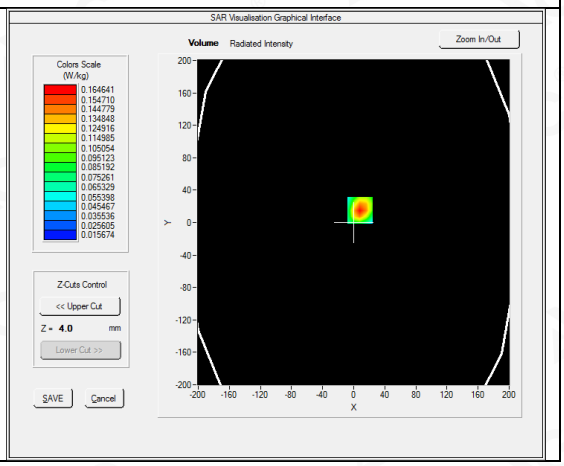
Test Laboratory: AGC Lab **Date: Aug. 31,2020**
LTE Band 2 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.72;
Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =40.36; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

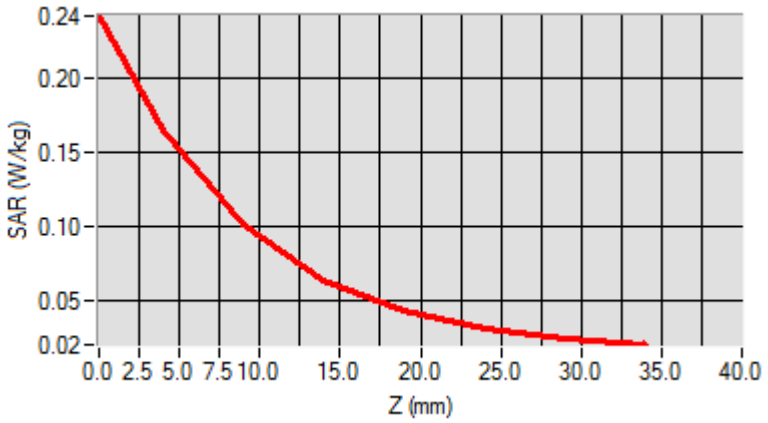
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

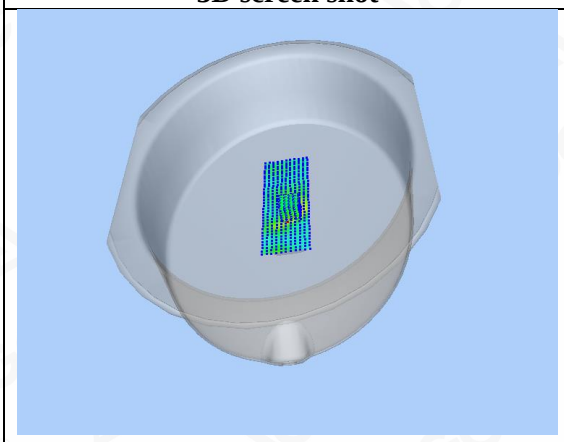
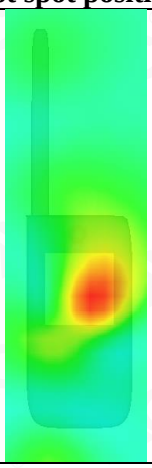
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=8.00, Y=15.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.089322
SAR 1g (W/Kg)	0.155694

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2427	0.1646	0.1011	0.0637	0.0434	0.0305	0.0244



3D screen shot	Hot spot position
	

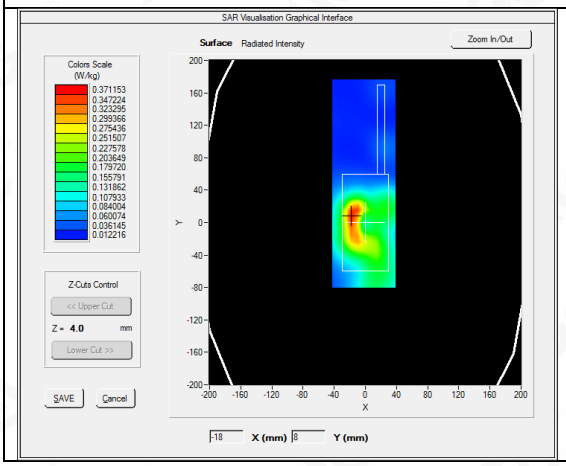
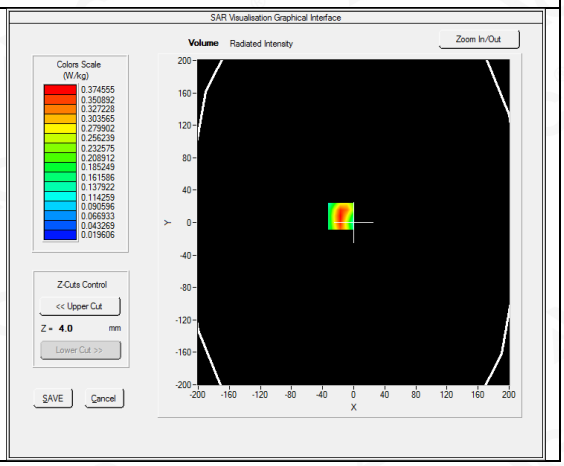
Test Laboratory: AGC Lab **Date: Aug. 31,2020**
LTE Band 2 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.72;
Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =40.36; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.4, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

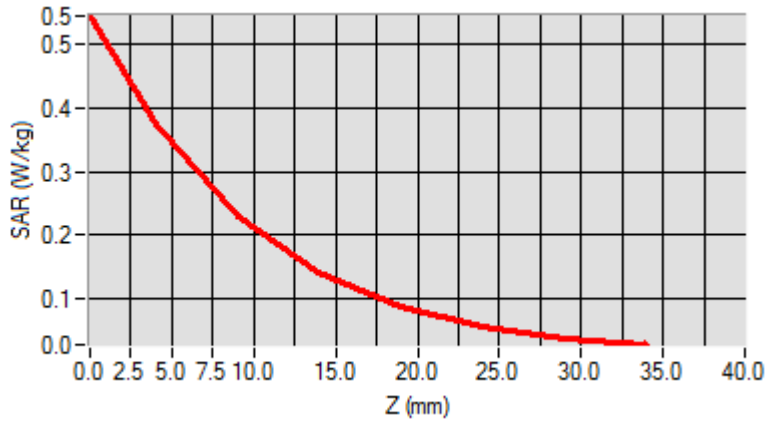
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Face up
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

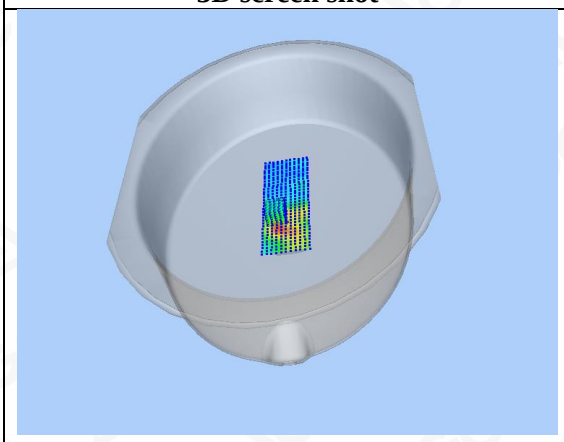
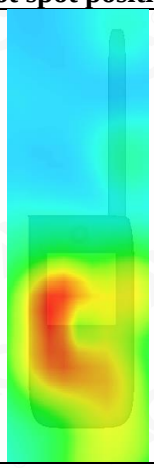
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-17.00, Y=8.00
SAR Peak: 0.56 W/kg

SAR 10g (W/Kg)	0.198857
SAR 1g (W/Kg)	0.351119

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5434	0.3746	0.2305	0.1423	0.0879	0.0569	0.0392



3D screen shot	Hot spot position
	

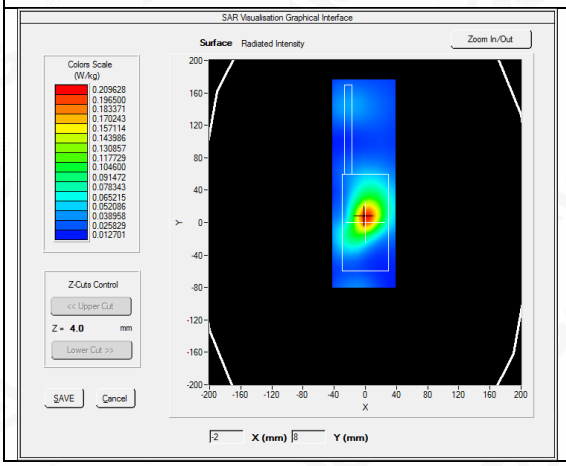
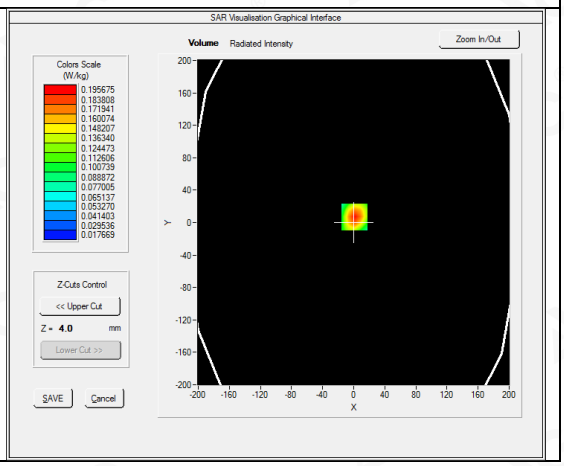
Test Laboratory: AGC Lab **Date: Aug. 28,2020**
LTE Band 4 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

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; σ= 1.33 mho/m; εr =41.53; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 Phantom
Measurement SW: OpenSAR V4_02_35

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

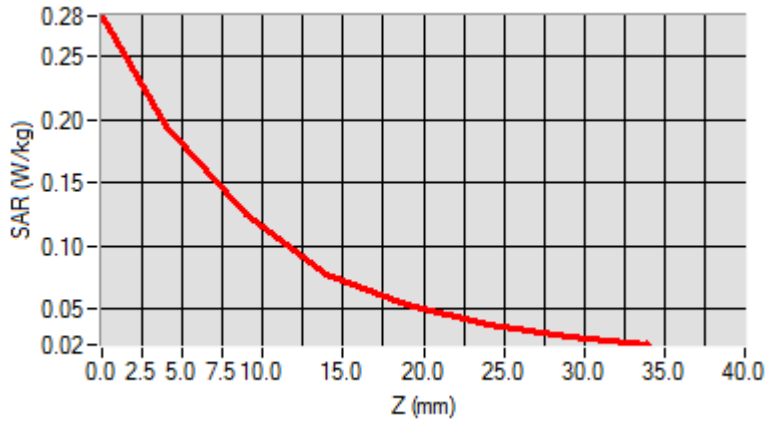
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

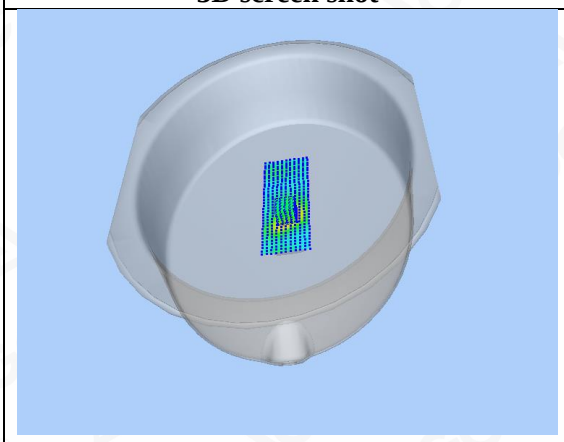
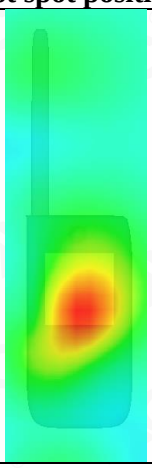
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=1.00, Y=7.00
SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.111275
SAR 1g (W/Kg)	0.185748

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2822	0.1957	0.1244	0.0777	0.0545	0.0373	0.0280



3D screen shot	Hot spot position
	

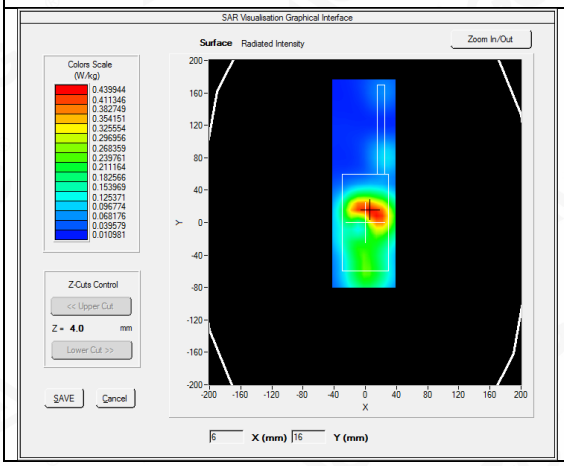
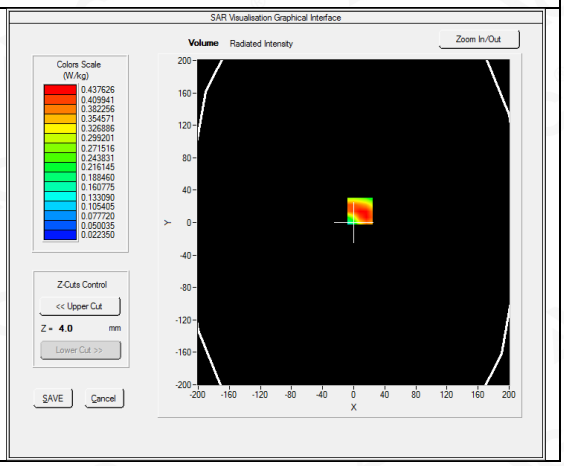
Test Laboratory: AGC Lab **Date: Aug. 28,2020**
LTE Band 4 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-79

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; σ= 1.33 mho/m; εr =41.53; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

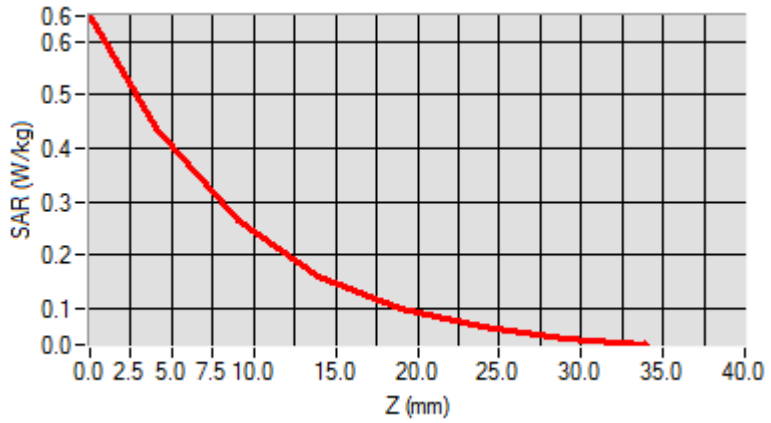
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Face up
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

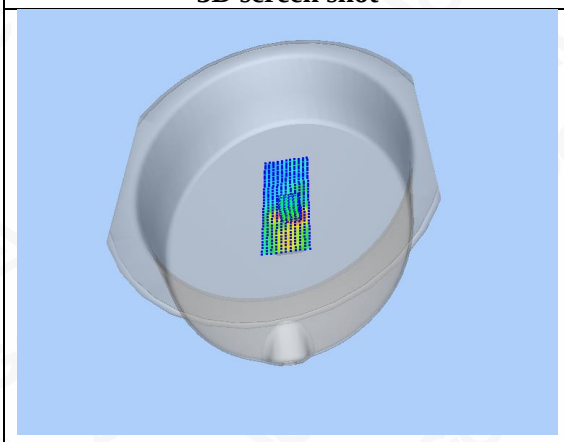
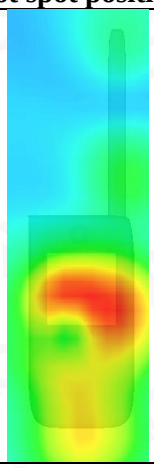
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=8.00, Y=14.00
SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.253968
SAR 1g (W/Kg)	0.427811

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6479	0.4376	0.2647	0.1619	0.1016	0.0658	0.0447



3D screen shot	Hot spot position
	

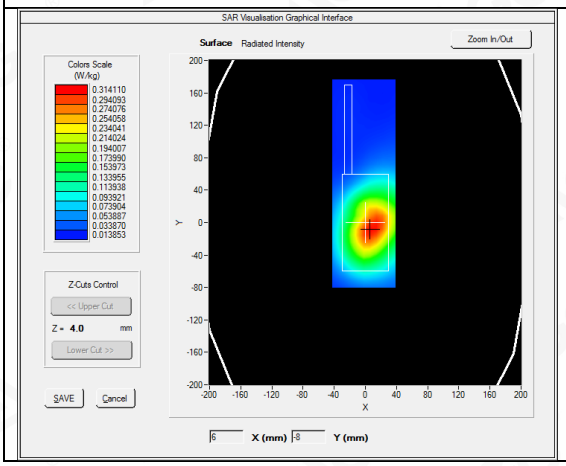
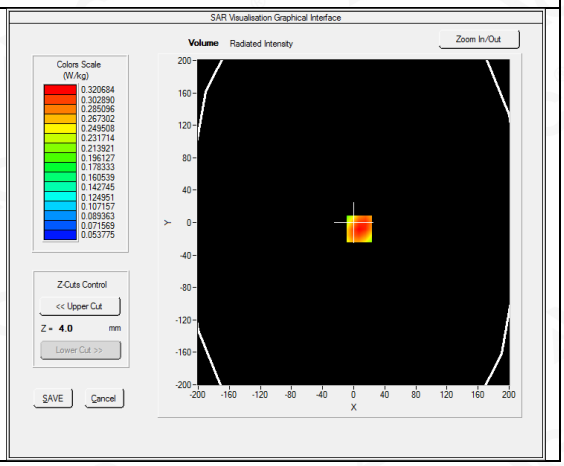
Test Laboratory: AGC Lab **Date: Aug. 21,2020**
LTE Band 5 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=5.26
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.90mho/m; εr =39.52; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.3

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

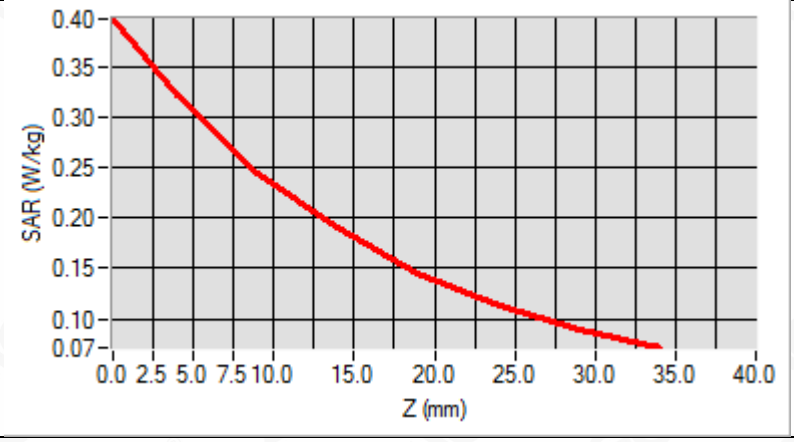
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

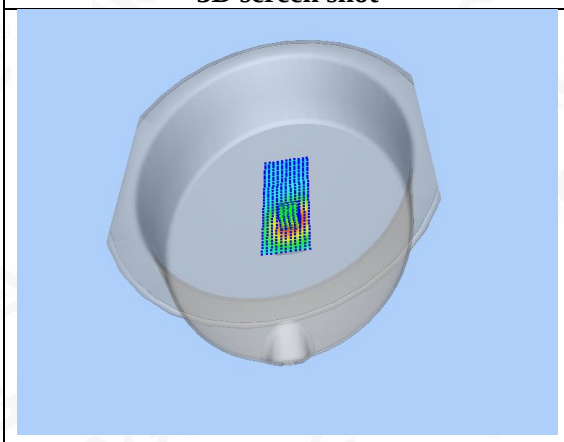
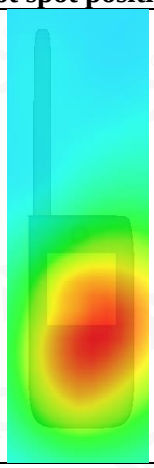
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=-8.00
SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)	0.237350
SAR 1g (W/Kg)	0.325761

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3970	0.3207	0.2443	0.1898	0.1440	0.1138	0.0897



3D screen shot	Hot spot position
	

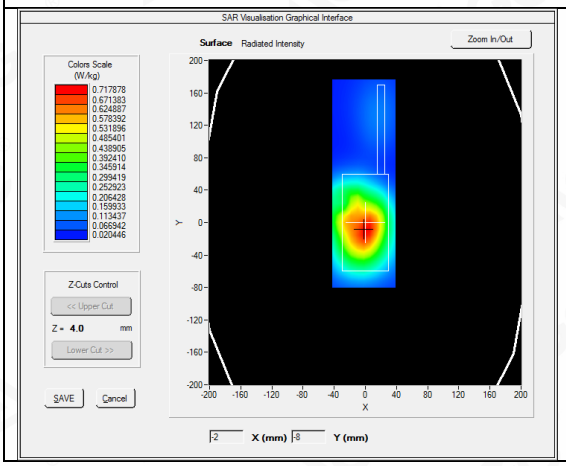
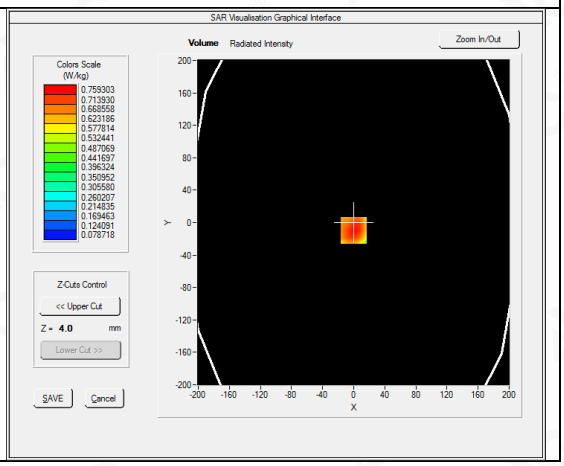
Test Laboratory: AGC Lab **Date: Aug. 21,2020**
LTE Band 5 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=5.26
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.90mho/m; εr =39.52; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section
Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.3

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

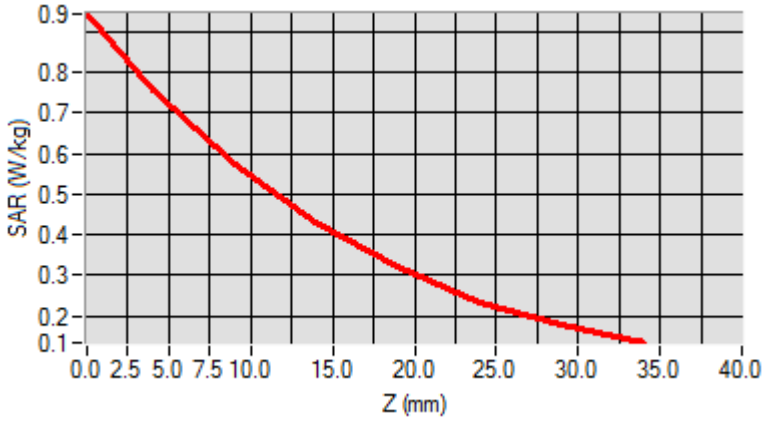
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Face up
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

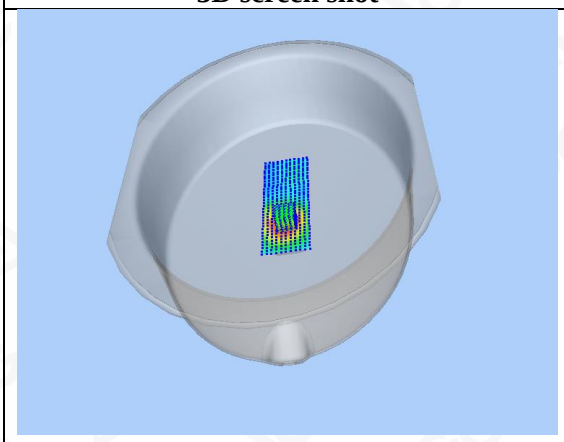
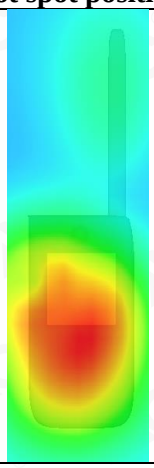
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=0.00, Y=-10.00
SAR Peak: 0.96 W/kg

SAR 10g (W/Kg)	0.528716
SAR 1g (W/Kg)	0.732761

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9449	0.7593	0.5721	0.4284	0.3194	0.2342	0.1770



3D screen shot	Hot spot position
	

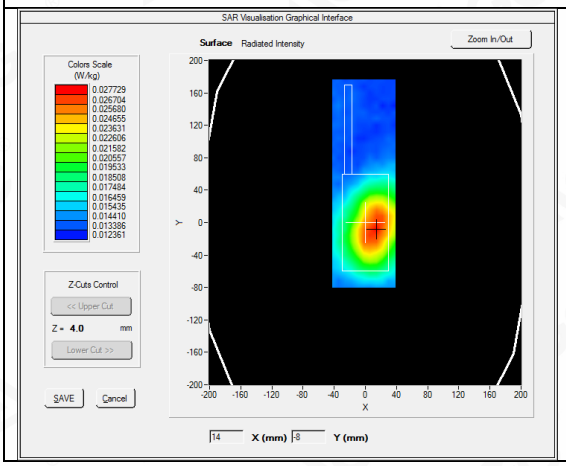
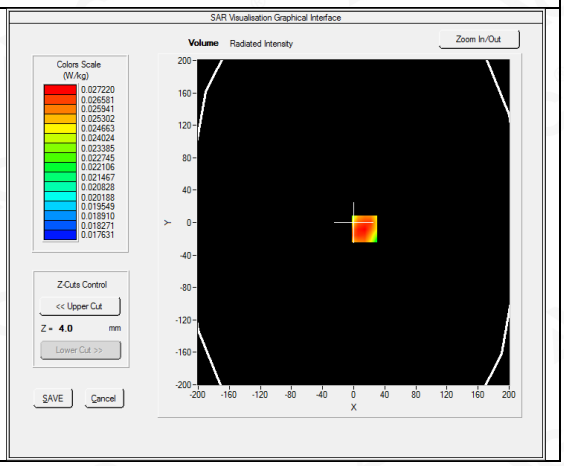
Test Laboratory: AGC Lab **Date: Aug. 22,2020**
LTE Band 12 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=5.06;
Frequency: 707.5 MHz; Medium parameters used: f = 750 MHz; σ=0.89 mho/m; εr =43.26; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

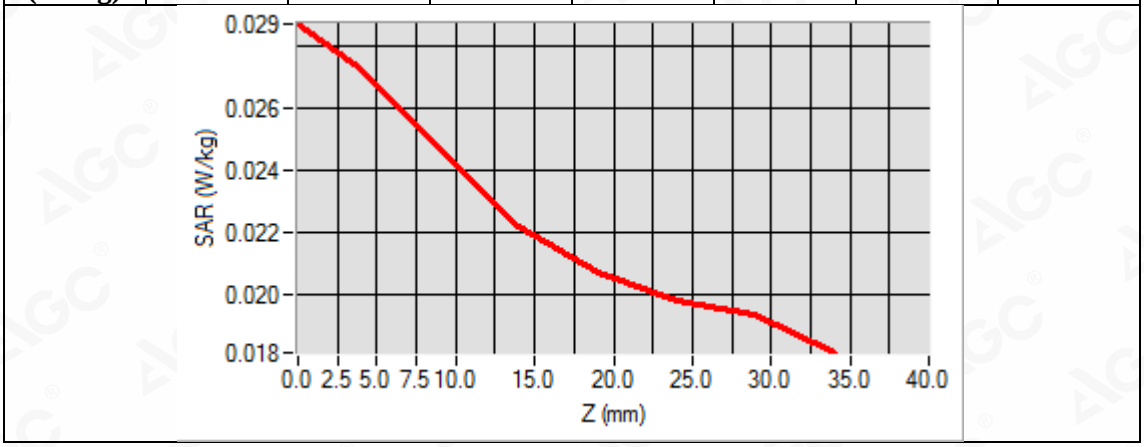
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

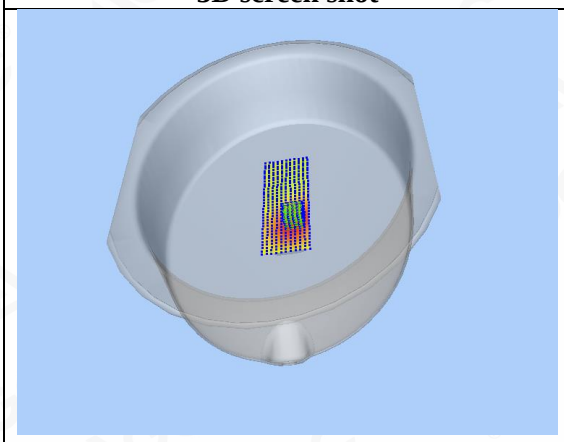
SURFACE SAR	VOLUME SAR
	

Maximum location: X=14.00, Y=-8.00
SAR Peak: 0.03 W/kg

SAR 10g (W/Kg)	0.024901
SAR 1g (W/Kg)	0.028078

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0287	0.0272	0.0247	0.0221	0.0207	0.0198	0.0194



3D screen shot	Hot spot position
	

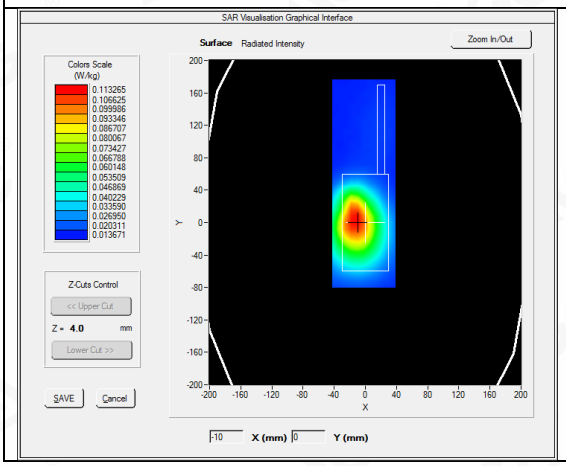
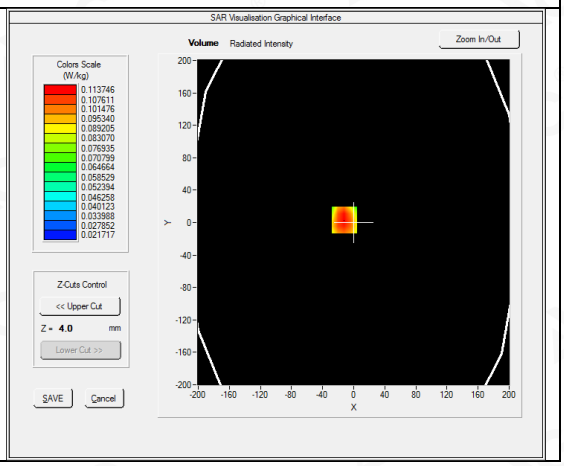
Test Laboratory: AGC Lab **Date: Aug. 22,2020**
LTE Band 12 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=5.06;
Frequency: 707.5 MHz; Medium parameters used: f = 750 MHz; σ=0.89 mho/m; εr =43.26; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 24,2020; Serial No.: SN 24/20 EP336
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

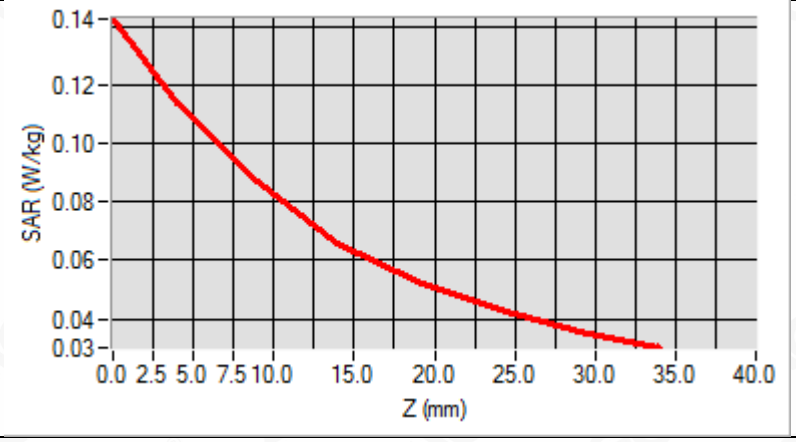
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Face up
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

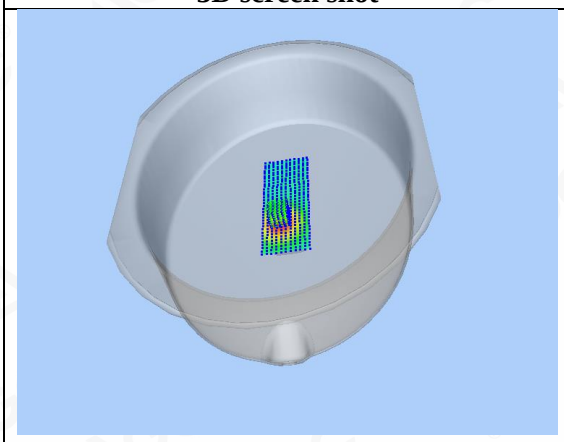
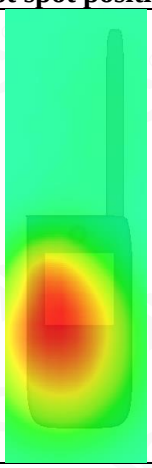
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-12.00, Y=3.00
SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.086307
SAR 1g (W/Kg)	0.117877

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1426	0.1137	0.0868	0.0659	0.0529	0.0432	0.0357



3D screen shot	Hot spot position
	

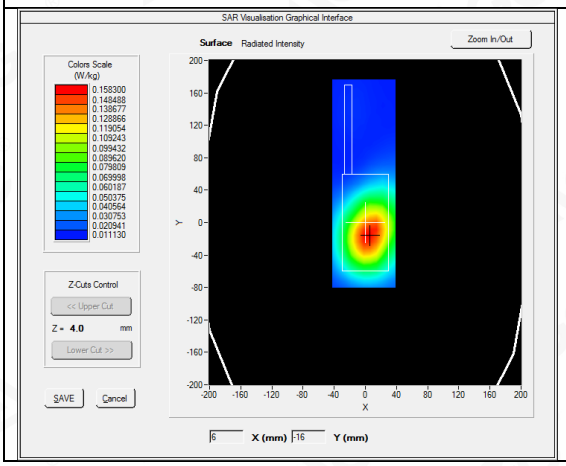
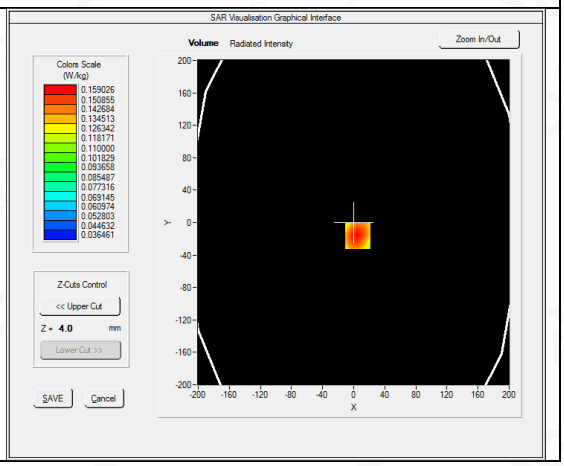
Test Laboratory: AGC Lab **Date: Aug. 22,2020**
LTE Band 13 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1; Conv.F=4.97;
Frequency: 782 MHz; Medium parameters used: f = 750 MHz; σ=0.93 mho/m; εr =41.92; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

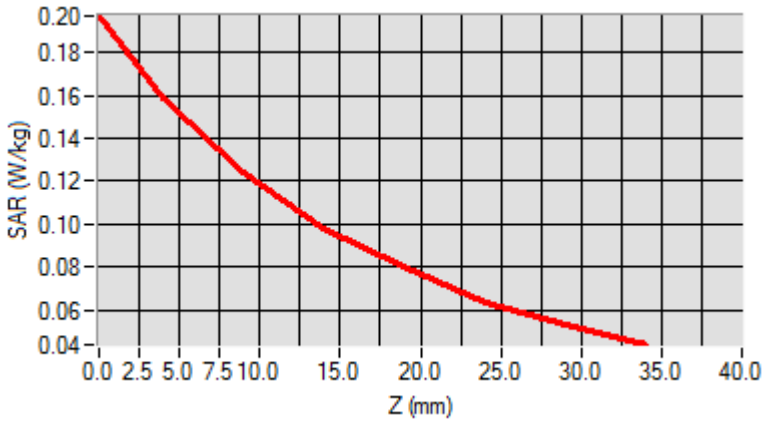
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 13
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

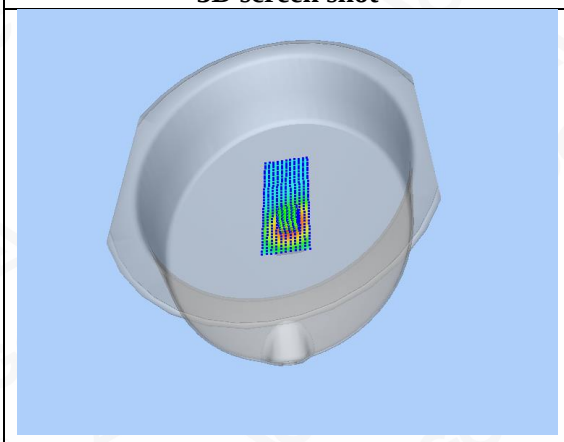
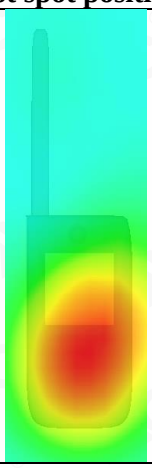
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=5.00, Y=-16.00
SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.115702
SAR 1g (W/Kg)	0.154507

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1969	0.1590	0.1238	0.0981	0.0800	0.0639	0.0533



3D screen shot	Hot spot position
	

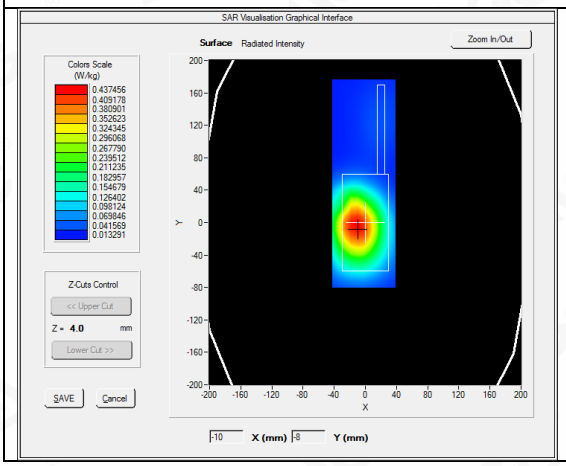
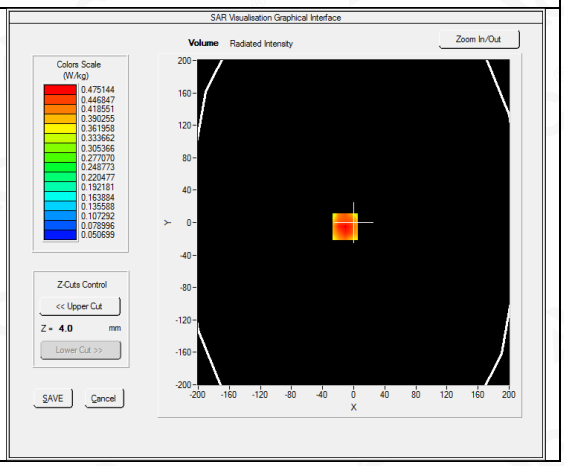
Test Laboratory: AGC Lab **Date: Aug. 22,2020**
LTE Band 13 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 13; Duty Cycle:1:1; Conv.F=4.97;
Frequency: 782 MHz; Medium parameters used: f = 750 MHz; σ=0.93 mho/m; εr =41.92; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

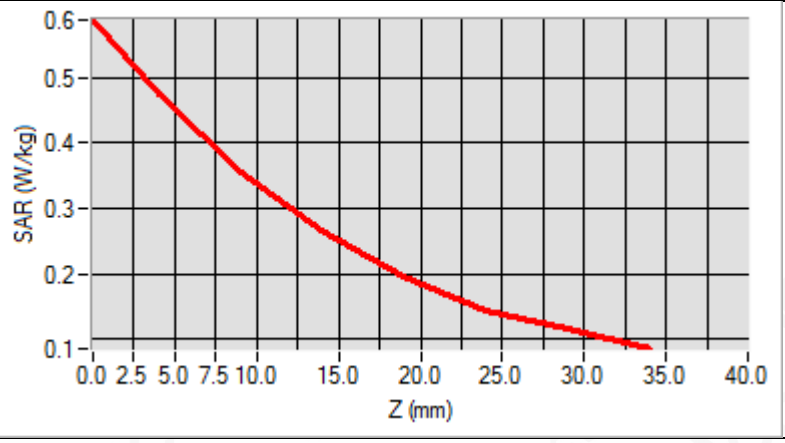
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Face up
Band	LTE Band 13
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

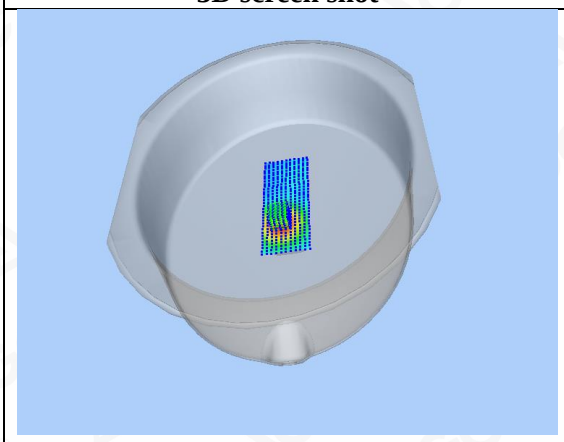
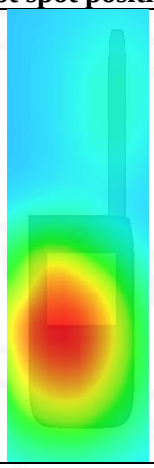
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-11.00, Y=-5.00
SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.320073
SAR 1g (W/Kg)	0.458641

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5882	0.4751	0.3542	0.2650	0.1965	0.1436	0.1162



3D screen shot	Hot spot position
	

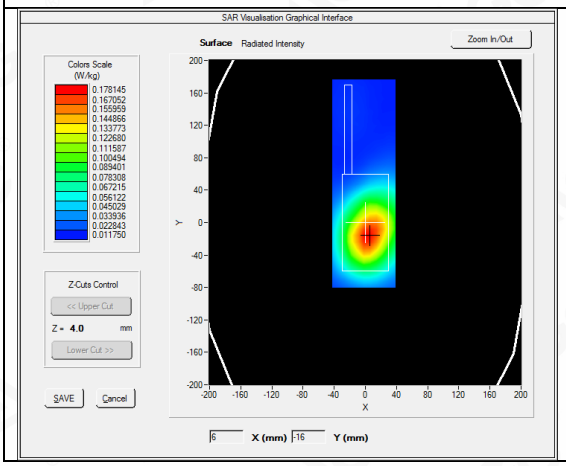
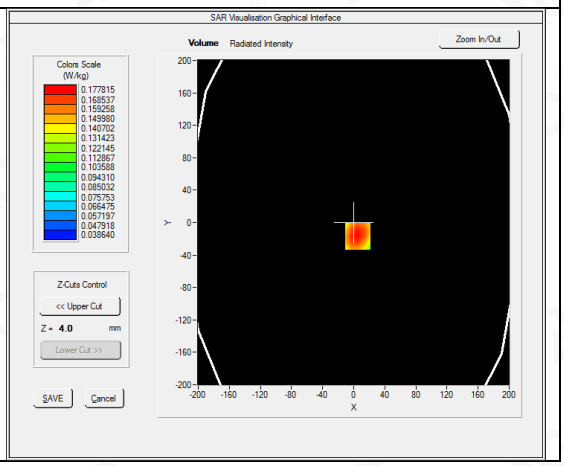
Test Laboratory: AGC Lab **Date: Aug. 22,2020**
LTE Band 14 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-79

Communication System: LTE; Communication System Band: LTE Band 14; Duty Cycle:1:1; Conv.F=4.97;
Frequency: 793 MHz; Medium parameters used: f = 750 MHz; σ=0.94 mho/m; εr =41.35; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
Sensor-Surface: 4mm (Mechanical Surface Detection)
Phantom: ELLI39 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=5m;

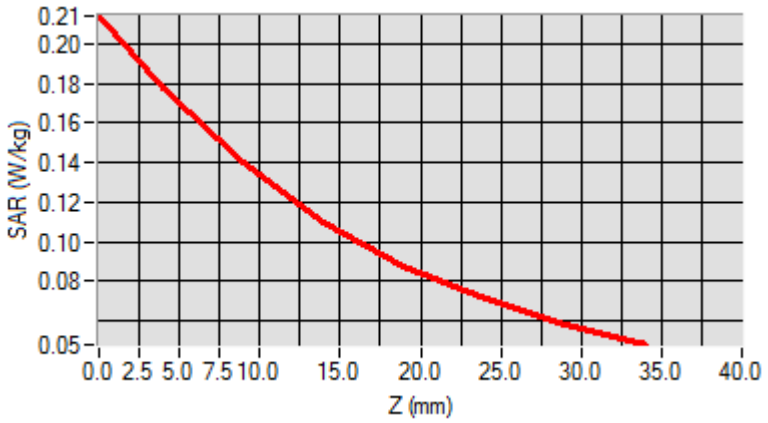
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Body Back
Band	LTE Band 14
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-17.00
SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.129363
SAR 1g (W/Kg)	0.172573

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2142	0.1778	0.1403	0.1096	0.0875	0.0710	0.0580



3D screen shot	Hot spot position