Table 13.84: SAR Values (NR n5 - Body) - Ant.1-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
167300	836.5	50@25	Front	**51**	23.79	25.2	**0.255**	**0.35**	-0.13
167300	836.5	50@25	Rear	/	23.79	25.2	0.082	**0.11**	0.06
167300	836.5	50@25	Left	/	23.79	25.2	0.158	**0.22**	0.13
167300	836.5	50@25	Top	/	23.79	25.2	0.020	**0.03**	-0.05
Body-Worn Test Data (15mm) - Power Level B1									
167300	836.5	50@25	Front	/	23.79	25.2	0.157	**0.22**	-0.07
167300	836.5	50@25	Rear	/	23.79	25.2	0.061	**0.08**	0.06
Hotspot Test Data (10mm) - Power Level B2									
167300	836.5	50@25	Front	/	23.31	24.7	0.230	**0.32**	-0.13
167300	836.5	50@25	Rear	/	23.31	24.7	0.074	**0.10**	0.12
167300	836.5	50@25	Left	/	23.31	24.7	0.143	**0.20**	-0.18
167300	836.5	50@25	Top	/	23.31	24.7	0.018	**0.02**	0.15
Body-Worn Test Data (15mm) - Power Level B2									
167300	836.5	50@25	Front	/	23.31	24.7	0.142	**0.20**	0.01
167300	836.5	50@25	Rear	/	23.31	24.7	0.055	**0.08**	-0.05
Hotspot Test Data (10mm) - Power Level B3(DC_7A_n5A)									
167300	836.5	50@25	Front	/	22.35	23.7	0.195	**0.27**	0.14
167300	836.5	50@25	Rear	/	22.35	23.7	0.063	**0.09**	0.10
167300	836.5	50@25	Left	/	22.35	23.7	0.121	**0.17**	0.07
167300	836.5	50@25	Top	/	22.35	23.7	0.015	**0.02**	-0.10
Body-Worn Test Data (15mm) - Power Level B3(DC_7A_n5A)									
167300	836.5	50@25	Front	/	22.35	23.7	0.120	**0.16**	0.07
167300	836.5	50@25	Rear	/	22.35	23.7	0.047	**0.06**	-0.14
Hotspot Test Data (10mm) - Power Level B4(DC_7A_n5A)									
167300	836.5	50@25	Front	/	19.25	20.7	0.092	**0.13**	0.16
167300	836.5	50@25	Rear	/	19.25	20.7	0.030	**0.04**	0.18
167300	836.5	50@25	Left	/	19.25	20.7	0.057	**0.08**	0.02
167300	836.5	50@25	Top	/	19.25	20.7	0.007	**0.01**	0.07
Body-Worn Test Data (15mm) - Power Level B4(DC_7A_n5A)									
167300	836.5	50@25	Front	/	19.25	20.7	0.057	**0.08**	0.12
167300	836.5	50@25	Rear	/	19.25	20.7	0.022	**0.03**	0.07

Table 13.85: SAR Values (NR n7 - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3(DC_2A_n7A, DC_5A_n7A, DC_66A_n7A)									
507000	2535.0	108@54	Left Cheek	/	16.54	17.8	0.488	**0.65**	0.04
507000	2535.0	108@54	Left Tilt	/	16.54	17.8	0.080	**0.11**	0.12
507000	2535.0	108@54	Right Cheek	/	16.54	17.8	0.536	**0.72**	0.03
507000	2535.0	108@54	Right Tilt	/	16.54	17.8	0.150	**0.20**	0.12
Power Level A4(DC_2A_n7A, DC_5A_n7A, DC_66A_n7A)									
507000	2535.0	108@54	Left Cheek	/	13.55	14.8	0.280	**0.37**	0.08
507000	2535.0	108@54	Left Tilt	/	13.55	14.8	0.046	**0.06**	0.16
507000	2535.0	108@54	Right Cheek	/	13.55	14.8	0.307	**0.41**	-0.10
507000	2535.0	108@54	Right Tilt	/	13.55	14.8	0.086	**0.11**	-0.08

Table 13.86: SAR Values (NR n7 - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A, DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.57	20.8	0.439	**0.58**	0.16
507000	2535.0	108@54	Rear	/	19.57	20.8	0.292	**0.39**	0.02
507000	2535.0	108@54	Left	/	19.57	20.8	0.377	**0.50**	0.14
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A, DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.57	20.8	0.230	**0.31**	0.15
507000	2535.0	108@54	Rear	/	19.57	20.8	0.156	**0.21**	0.06
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.60	19.8	0.407	**0.54**	0.15
507000	2535.0	108@54	Rear	/	18.60	19.8	0.271	**0.36**	0.15
507000	2535.0	108@54	Left	/	18.60	19.8	0.349	**0.46**	0.15
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.60	19.8	0.213	**0.28**	0.11
507000	2535.0	108@54	Rear	/	18.60	19.8	0.144	**0.19**	0.09
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.59	18.8	0.331	**0.44**	-0.01
507000	2535.0	108@54	Rear	/	17.59	18.8	0.221	**0.29**	-0.04
507000	2535.0	108@54	Left	/	17.59	18.8	0.284	**0.38**	0.19
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.59	18.8	0.145	**0.19**	0.02
507000	2535.0	108@54	Rear	/	17.59	18.8	0.094	**0.12**	-0.13

Table 13.87: SAR Values (NR n7 - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	20.56	21.8	0.095	**0.13**	-0.07
507000	2535.0	108@54	Rear	/	20.56	21.8	0.227	**0.30**	0.07
507000	2535.0	108@54	Left	/	20.56	21.8	0.525	**0.70**	0.02
507000	2535.0	108@54	Bottom	/	20.56	21.8	0.093	**0.12**	0.15
Body-Worn Test Data (15mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	20.56	21.8	0.060	**0.08**	0.02
507000	2535.0	108@54	Rear	/	20.56	21.8	0.138	**0.18**	-0.18
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	19.09	20.3	0.065	**0.09**	-0.06
507000	2535.0	108@54	Rear	/	19.09	20.3	0.155	**0.20**	0.09
507000	2535.0	108@54	Left	/	19.09	20.3	0.359	**0.47**	-0.06
507000	2535.0	108@54	Bottom	/	19.09	20.3	0.063	**0.08**	0.10
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	19.09	20.3	0.038	**0.05**	0.07
507000	2535.0	108@54	Rear	/	19.09	20.3	0.087	**0.12**	-0.03
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.60	19.8	0.064	**0.08**	-0.11
507000	2535.0	108@54	Rear	/	18.60	19.8	0.153	**0.20**	-0.18
507000	2535.0	108@54	Left	/	18.60	19.8	0.356	**0.47**	0.06
507000	2535.0	108@54	Bottom	/	18.60	19.8	0.063	**0.08**	0.06
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.60	19.8	0.033	**0.04**	0.04
507000	2535.0	108@54	Rear	/	18.60	19.8	0.076	**0.10**	0.02
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.07	18.3	0.044	**0.06**	-0.16
507000	2535.0	108@54	Rear	/	17.07	18.3	0.105	**0.14**	-0.12
507000	2535.0	108@54	Left	/	17.07	18.3	0.241	**0.32**	0.02
507000	2535.0	108@54	Bottom	/	17.07	18.3	0.043	**0.06**	0.17
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.07	18.3	0.023	**0.03**	0.04
507000	2535.0	108@54	Rear	/	17.07	18.3	0.056	**0.07**	0.09

Table 13.88: SAR Values (NR n7 - Head) - Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
507000	2535.0	108@54	Left Cheek	/	15.72	16.7	0.243	**0.30**	-0.03
507000	2535.0	108@54	Left Tilt	/	15.72	16.7	0.312	**0.39**	-0.06
507000	2535.0	108@54	Right Cheek	**52**	15.72	16.7	**0.789**	**0.99**	-0.09
507000	2535.0	108@54	Right Tilt	/	15.72	16.7	0.645	**0.81**	-0.03
510000	2550.0	108@54	Right Cheek	/	15.66	16.7	0.690	**0.88**	0.04
504000	2520.0	108@54	Right Cheek	/	15.64	16.7	0.787	**1.00**	0.12
510000	2550.0	108@54	Right Tilt	/	15.66	16.7	0.563	**0.72**	0.07
504000	2520.0	108@54	Right Tilt	/	15.64	16.7	0.643	**0.82**	-0.07
Power Level A2 / A3(DC_66A_n7A) / A4(DC_66A_n7A)									
507000	2535.0	108@54	Left Cheek	/	14.23	15.2	0.174	**0.22**	0.13
507000	2535.0	108@54	Left Tilt	/	14.23	15.2	0.224	**0.28**	-0.03
507000	2535.0	108@54	Right Cheek	/	14.23	15.2	0.566	**0.71**	0.08
507000	2535.0	108@54	Right Tilt	/	14.23	15.2	0.463	**0.58**	0.09

Table 13.89: SAR Values (NR n7 - Body) - Ant.4-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.77	21.7	0.509	**0.63**	0.04
507000	2535.0	108@54	Rear	/	20.77	21.7	0.274	**0.34**	0.07
507000	2535.0	108@54	Left	/	20.77	21.7	0.166	**0.21**	0.12
507000	2535.0	108@54	Top	**53**	20.77	21.7	**0.567**	**0.70**	0.03
Body-Worn Test Data (15mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.77	21.7	0.233	**0.29**	0.01
507000	2535.0	108@54	Rear	/	20.77	21.7	0.136	**0.17**	0.03
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.24	20.2	0.356	**0.44**	-0.01
507000	2535.0	108@54	Rear	/	19.24	20.2	0.192	**0.24**	-0.01
507000	2535.0	108@54	Left	/	19.24	20.2	0.116	**0.14**	0.00
507000	2535.0	108@54	Top	/	19.24	20.2	0.397	**0.50**	0.19
Body-Worn Test Data (15mm) - Power Level B2 / B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.24	20.2	0.153	**0.19**	-0.16
507000	2535.0	108@54	Rear	/	19.24	20.2	0.089	**0.11**	0.12
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	17.28	18.2	0.190	**0.23**	0.16
507000	2535.0	108@54	Rear	/	17.28	18.2	0.103	**0.13**	-0.01
507000	2535.0	108@54	Left	/	17.28	18.2	0.062	**0.08**	-0.07

507000	2535.0	108@54	Top	/	17.28	18.2	0.212	**0.26**	0.02
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	17.28	18.2	0.054	**0.07**	0.19
507000	2535.0	108@54	Rear	/	17.28	18.2	0.032	**0.04**	-0.17

Table 13.90: SAR Values (NR n7 - Body) - Ant.4-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.77	21.7	0.088	**0.11**	0.12
507000	2535.0	108@54	Rear	/	20.77	21.7	0.191	**0.24**	0.30
507000	2535.0	108@54	Left	/	20.77	21.7	0.112	**0.14**	0.12
507000	2535.0	108@54	Top	/	20.77	21.7	0.226	**0.28**	0.04
Body-Worn Test Data (15mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.77	21.7	0.054	**0.07**	0.04
507000	2535.0	108@54	Rear	/	20.77	21.7	0.069	**0.09**	0.12
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.24	20.2	0.058	**0.07**	0.08
507000	2535.0	108@54	Rear	/	19.24	20.2	0.125	**0.16**	0.02
507000	2535.0	108@54	Left	/	19.24	20.2	0.073	**0.09**	-0.04
507000	2535.0	108@54	Top	/	19.24	20.2	0.148	**0.18**	0.17
Body-Worn Test Data (15mm) - Power Level B2 / B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.24	20.2	0.035	**0.04**	0.08
507000	2535.0	108@54	Rear	/	19.24	20.2	0.057	**0.07**	0.04
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	17.28	18.2	0.033	**0.04**	-0.07
507000	2535.0	108@54	Rear	/	17.28	18.2	0.070	**0.09**	-0.15
507000	2535.0	108@54	Left	/	17.28	18.2	0.041	**0.05**	0.16
507000	2535.0	108@54	Top	/	17.28	18.2	0.083	**0.10**	0.02
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	17.28	18.2	0.023	**0.03**	0.10
507000	2535.0	108@54	Rear	/	17.28	18.2	0.037	**0.05**	0.04

Table 13.91: SAR Values (NR n7 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
507000	2535.0	108@54	Left Cheek	/	18.05	19.0	0.437	**0.54**	-0.10
507000	2535.0	108@54	Left Tilt	/	18.05	19.0	0.144	**0.18**	0.00
507000	2535.0	108@54	Right Cheek	/	18.05	19.0	0.520	**0.65**	0.14
507000	2535.0	108@54	Right Tilt	/	18.05	19.0	0.067	**0.08**	-0.13
Power Level A2 / A3(DC_5A_n7A)									
507000	2535.0	108@54	Left Cheek	/	16.61	17.5	0.268	**0.33**	0.01
507000	2535.0	108@54	Left Tilt	/	16.61	17.5	0.096	**0.12**	-0.06
507000	2535.0	108@54	Right Cheek	/	16.61	17.5	0.345	**0.42**	-0.16
507000	2535.0	108@54	Right Tilt	/	16.61	17.5	0.044	**0.05**	0.01
Power Level A3(DC_66A_n7A)									
507000	2535.0	108@54	Left Cheek	/	15.59	16.5	0.219	**0.27**	-0.02
507000	2535.0	108@54	Left Tilt	/	15.59	16.5	0.078	**0.10**	-0.05
507000	2535.0	108@54	Right Cheek	/	15.59	16.5	0.282	**0.35**	-0.09
507000	2535.0	108@54	Right Tilt	/	15.59	16.5	0.036	**0.04**	-0.01
Power Level A4(DC_5A_n7A)									
507000	2535.0	108@54	Left Cheek	/	13.53	14.5	0.133	**0.17**	0.06
507000	2535.0	108@54	Left Tilt	/	13.53	14.5	0.047	**0.06**	-0.16
507000	2535.0	108@54	Right Cheek	/	13.53	14.5	0.171	**0.21**	0.15
507000	2535.0	108@54	Right Tilt	/	13.53	14.5	0.022	**0.03**	-0.16
Power Level A4(DC_66A_n7A)									
507000	2535.0	108@54	Left Cheek	/	12.49	13.5	0.112	**0.14**	-0.11
507000	2535.0	108@54	Left Tilt	/	12.49	13.5	0.040	**0.05**	0.16
507000	2535.0	108@54	Right Cheek	/	12.49	13.5	0.144	**0.18**	-0.11
507000	2535.0	108@54	Right Tilt	/	12.49	13.5	0.019	**0.02**	0.11

Table 13.92: SAR Values (NR n7 - Body) - Ant.5-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.14	21.0	0.180	**0.22**	0.06
507000	2535.0	108@54	Rear	/	20.14	21.0	0.257	**0.31**	0.12
507000	2535.0	108@54	Right	/	20.14	21.0	0.336	**0.41**	0.01
Body-Worn Test Data (15mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.14	21.0	0.096	**0.12**	0.04
507000	2535.0	108@54	Rear	/	20.14	21.0	0.141	**0.17**	0.03
Hotspot Test Data (10mm) - Power Level B2									
507000	2535.0	108@54	Front	/	18.05	19.0	0.117	**0.15**	0.01

507000	2535.0	108@54	Rear	/	18.05	19.0	0.167	**0.21**	0.08
507000	2535.0	108@54	Right	/	18.05	19.0	0.218	**0.27**	-0.02
Body-Worn Test Data (15mm) - Power Level B2									
507000	2535.0	108@54	Front	/	18.05	19.0	0.054	**0.07**	0.15
507000	2535.0	108@54	Rear	/	18.05	19.0	0.079	**0.10**	0.05
Hotspot Test Data (10mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.64	20.5	0.162	**0.20**	-0.13
507000	2535.0	108@54	Rear	/	19.64	20.5	0.231	**0.28**	0.15
507000	2535.0	108@54	Right	/	19.64	20.5	0.302	**0.37**	0.04
Body-Worn Test Data (15mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	19.64	20.5	0.087	**0.11**	-0.11
507000	2535.0	108@54	Rear	/	19.64	20.5	0.109	**0.13**	-0.09
Hotspot Test Data (10mm) - Power Level B3(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.62	18.5	0.108	**0.13**	-0.04
507000	2535.0	108@54	Rear	/	17.62	18.5	0.155	**0.19**	-0.09
507000	2535.0	108@54	Right	/	17.62	18.5	0.202	**0.25**	0.12
Body-Worn Test Data (15mm) - Power Level B3(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.62	18.5	0.037	**0.04**	-0.19
507000	2535.0	108@54	Rear	/	17.62	18.5	0.054	**0.07**	0.04
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	16.69	17.5	0.079	**0.10**	-0.02
507000	2535.0	108@54	Rear	/	16.69	17.5	0.114	**0.14**	-0.06
507000	2535.0	108@54	Right	/	16.69	17.5	0.148	**0.18**	0.10
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	16.69	17.5	0.027	**0.03**	0.17
507000	2535.0	108@54	Rear	/	16.69	17.5	0.048	**0.06**	0.15
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	15.59	16.5	0.060	**0.07**	0.16
507000	2535.0	108@54	Rear	/	15.59	16.5	0.086	**0.11**	0.02
507000	2535.0	108@54	Right	/	15.59	16.5	0.112	**0.14**	0.18
Body-Worn Test Data (15mm) - Power Level B4(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	15.59	16.5	0.021	**0.03**	-0.04
507000	2535.0	108@54	Rear	/	15.59	16.5	0.030	**0.04**	-0.08

Table 13.93: SAR Values (NR n7 - Body) - Ant.5-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.14	21.0	0.038	**0.05**	0.08
507000	2535.0	108@54	Rear	/	20.14	21.0	0.205	**0.25**	0.08
507000	2535.0	108@54	Right	**54**	20.14	21.0	**0.253**	**0.31**	0.16
507000	2535.0	108@54	Bottom	/	20.14	21.0	0.039	**0.05**	0.02

Body-Worn Test Data (15mm) - Power Level B1									
507000	2535.0	108@54	Front	/	20.14	21.0	0.027	**0.03**	0.07
507000	2535.0	108@54	Rear	/	20.14	21.0	0.106	**0.13**	0.01
Hotspot Test Data (10mm) - Power Level B2									
507000	2535.0	108@54	Front	/	18.05	19.0	0.026	**0.03**	-0.13
507000	2535.0	108@54	Rear	/	18.05	19.0	0.139	**0.17**	0.07
507000	2535.0	108@54	Right	/	18.05	19.0	0.172	**0.21**	0.04
507000	2535.0	108@54	Bottom	/	18.05	19.0	0.026	**0.03**	-0.10
Body-Worn Test Data (15mm) - Power Level B2									
507000	2535.0	108@54	Front	/	18.05	19.0	0.014	**0.02**	-0.19
507000	2535.0	108@54	Rear	/	18.05	19.0	0.056	**0.07**	-0.03
Hotspot Test Data (10mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.55	19.5	0.023	**0.03**	-0.19
507000	2535.0	108@54	Rear	/	18.55	19.5	0.126	**0.16**	-0.09
507000	2535.0	108@54	Right	/	18.55	19.5	0.186	**0.23**	-0.11
507000	2535.0	108@54	Bottom	/	18.55	19.5	0.024	**0.03**	-0.20
Body-Worn Test Data (15mm) - Power Level B3(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	18.55	19.5	0.016	**0.02**	0.14
507000	2535.0	108@54	Rear	/	18.55	19.5	0.077	**0.10**	0.03
Hotspot Test Data (10mm) - Power Level B3(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.62	18.5	0.023	**0.03**	-0.07
507000	2535.0	108@54	Rear	/	17.62	18.5	0.124	**0.15**	0.14
507000	2535.0	108@54	Right	/	17.62	18.5	0.153	**0.19**	0.15
507000	2535.0	108@54	Bottom	/	17.62	18.5	0.024	**0.03**	0.18
Body-Worn Test Data (15mm) - Power Level B3(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	17.62	18.5	0.012	**0.01**	-0.15
507000	2535.0	108@54	Rear	/	17.62	18.5	0.049	**0.06**	0.02
Hotspot Test Data (10mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	16.69	17.5	0.018	**0.02**	0.15
507000	2535.0	108@54	Rear	/	16.69	17.5	0.095	**0.11**	0.10
507000	2535.0	108@54	Right	/	16.69	17.5	0.117	**0.14**	-0.19
507000	2535.0	108@54	Bottom	/	16.69	17.5	0.018	**0.02**	-0.02
Body-Worn Test Data (15mm) - Power Level B4(DC_66A_n7A)									
507000	2535.0	108@54	Front	/	16.69	17.5	0.009	**0.01**	-0.06
507000	2535.0	108@54	Rear	/	16.69	17.5	0.048	**0.06**	-0.15
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	15.59	16.5	0.014	**0.02**	-0.11
507000	2535.0	108@54	Rear	/	15.59	16.5	0.075	**0.09**	-0.13
507000	2535.0	108@54	Right	/	15.59	16.5	0.093	**0.11**	-0.05
507000	2535.0	108@54	Bottom	/	15.59	16.5	0.014	**0.02**	-0.05
Body-Worn Test Data (15mm) - Power Level B4(DC_5A_n7A)									
507000	2535.0	108@54	Front	/	15.59	16.5	0.007	**0.01**	0.07
507000	2535.0	108@54	Rear	/	15.59	16.5	0.027	**0.03**	0.08

Table 13.94: SAR Values (NR n7 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3/A4									
507000	2535.0	108@54	Left Cheek	/	23.75	24.4	0.066	**0.08**	-0.10
507000	2535.0	108@54	Left Tilt	/	23.75	24.4	0.017	**0.02**	-0.17
507000	2535.0	108@54	Right Cheek	/	23.75	24.4	0.020	**0.02**	-0.03
507000	2535.0	108@54	Right Tilt	/	23.75	24.4	0.004	**<0.01**	-0.03

Table 13.95: SAR Values (NR n7 - Body) - Ant.6-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	20.11	20.9	0.086	**0.10**	0.02
507000	2535.0	108@54	Rear	/	20.11	20.9	0.077	**0.09**	0.04
507000	2535.0	108@54	Right	/	20.11	20.9	0.029	**0.04**	0.01
507000	2535.0	108@54	Bottom	/	20.11	20.9	0.058	**0.07**	0.19
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	20.11	20.9	0.041	**0.05**	0.04
507000	2535.0	108@54	Rear	/	20.11	20.9	0.032	**0.04**	0.17
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	18.09	18.9	0.046	**0.05**	0.03
507000	2535.0	108@54	Rear	/	18.09	18.9	0.041	**0.05**	0.03
507000	2535.0	108@54	Right	/	18.09	18.9	0.015	**0.02**	-0.05
507000	2535.0	108@54	Bottom	/	18.09	18.9	0.031	**0.04**	-0.19
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	18.09	18.9	0.023	**0.03**	0.17
507000	2535.0	108@54	Rear	/	18.09	18.9	0.018	**0.02**	-0.04

Table 13.96: SAR Values (NR n7 - Body) - Ant.6-OClose

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	20.11	20.9	0.054	**0.07**	0.05
507000	2535.0	108@54	Rear	/	20.11	20.9	0.018	**0.02**	0.08
507000	2535.0	108@54	Right	/	20.11	20.9	0.025	**0.03**	0.03
507000	2535.0	108@54	Top	/	20.11	20.9	0.058	**0.07**	0.15
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	20.11	20.9	0.027	**0.03**	0.19
507000	2535.0	108@54	Rear	/	20.11	20.9	0.001	**<0.01**	0.17
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	18.09	18.9	0.032	**0.04**	0.05
507000	2535.0	108@54	Rear	/	18.09	18.9	0.011	**0.01**	-0.11
507000	2535.0	108@54	Right	/	18.09	18.9	0.014	**0.02**	-0.18
507000	2535.0	108@54	Top	/	18.09	18.9	0.034	**0.04**	0.11
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n7A, DC_5A_n7A)									
507000	2535.0	108@54	Front	/	18.09	18.9	0.017	**0.02**	-0.17
507000	2535.0	108@54	Rear	/	18.09	18.9	0.001	**<0.01**	0.04

Table 13.97: SAR Values (NR n12 - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
141500	707.5	36@18	Left Cheek	/	22.73	24.1	0.052	**0.07**	0.02
141500	707.5	36@18	Left Tilt	/	22.73	24.1	0.006	**0.01**	0.09
141500	707.5	36@18	Right Cheek	**55**	22.73	24.1	**0.052**	0.07	0.02
141500	707.5	36@18	Right Tilt	/	22.73	24.1	0.016	**0.02**	0.08

Table 13.98: SAR Values (NR n12 - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	22.73	24.1	0.013	**0.02**	0.19
141500	707.5	36@18	Rear	/	22.73	24.1	0.008	**0.01**	-0.02
141500	707.5	36@18	Left	/	22.73	24.1	0.021	**0.03**	0.03
Body-Worn Test Data (15mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	22.73	24.1	0.004	**0.01**	0.04
141500	707.5	36@18	Rear	/	22.73	24.1	0.004	**0.01**	0.17

Table 13.99: SAR Values (NR n12 - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	22.73	24.1	<0.01	**<0.01**	0.00
141500	707.5	36@18	Rear	/	22.73	24.1	0.003	**<0.01**	0.17
141500	707.5	36@18	Left	/	22.73	24.1	0.001	**<0.01**	0.19
141500	707.5	36@18	Bottom	/	22.73	24.1	<0.01	**<0.01**	0.00
Body-Worn Test Data (15mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	22.73	24.1	<0.01	**<0.01**	0.00
141500	707.5	36@18	Rear	/	22.73	24.1	<0.01	**<0.01**	0.00

Table 13.100: SAR Values (NR n12 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
141500	707.5	36@18	Left Cheek	/	23.04	24.7	0.004	**0.01**	-0.18
141500	707.5	36@18	Left Tilt	/	23.04	24.7	0.003	**0.01**	-0.08
141500	707.5	36@18	Right Cheek	/	23.04	24.7	0.003	**0.00**	-0.03
141500	707.5	36@18	Right Tilt	/	23.04	24.7	0.003	**0.00**	0.11

Table 13.101: SAR Values (NR n12 - Body) - Ant.1-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	23.04	24.7	0.250	**0.37**	0.04
141500	707.5	36@18	Rear	**56**	23.04	24.7	**0.281**	0.41	0.12
141500	707.5	36@18	Left	/	23.04	24.7	0.187	**0.27**	0.03
141500	707.5	36@18	Bottom	/	23.04	24.7	0.172	**0.25**	0.12
Body-Worn Test Data (15mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	23.04	24.7	0.155	**0.23**	0.04
141500	707.5	36@18	Rear	/	23.04	24.7	0.161	0.24	0.05

Table 13.102: SAR Values (NR n12 - Body) - Ant.1-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
141500	707.5	36@18	Front	**57**	23.04	24.7	**0.236**	**0.35**	-0.01
141500	707.5	36@18	Rear	/	23.04	24.7	0.031	**0.05**	0.02
141500	707.5	36@18	Left	/	23.04	24.7	0.200	**0.29**	-0.11
141500	707.5	36@18	Top	/	23.04	24.7	0.164	**0.24**	0.01
Body-Worn Test Data (15mm) - Power Level B1/B2									
141500	707.5	36@18	Front	/	23.04	24.7	0.128	**0.19**	0.09
141500	707.5	36@18	Rear	/	23.04	24.7	0.033	**0.05**	0.08

Table 13.103: SAR Values (NR n25 - Head) - Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
376500	1882.5	50@25	Left Cheek	/	18.00	19.0	0.294	**0.37**	-0.05
376500	1882.5	50@25	Left Tilt	/	18.00	19.0	0.391	**0.49**	-0.03
376500	1882.5	50@25	Right Cheek	/	18.00	19.0	0.690	**0.87**	-0.12
376500	1882.5	50@25	Right Tilt	/	18.00	19.0	0.599	**0.75**	0.01
381000	1905.0	50@25	Right Cheek	**58**	17.95	19.0	**0.782**	1.00	-0.09
372000	1860.0	50@25	Right Cheek	/	17.91	19.0	0.678	**0.87**	-0.07
Power Level A2									
376500	1882.5	50@25	Left Cheek	/	15.99	17.0	0.199	**0.25**	0.05
376500	1882.5	50@25	Left Tilt	/	15.99	17.0	0.264	**0.33**	-0.09
376500	1882.5	50@25	Right Cheek	/	15.99	17.0	0.466	**0.59**	-0.14
376500	1882.5	50@25	Right Tilt	/	15.99	17.0	0.405	**0.51**	0.01

Table 13.104: SAR Values (NR n25 - Body) - Ant.4-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
376500	1882.5	50@25	Front	/	20.92	22.0	0.253	**0.32**	0.03
376500	1882.5	50@25	Rear	/	20.92	22.0	0.234	**0.30**	0.01
376500	1882.5	50@25	Left	/	20.92	22.0	0.247	**0.32**	0.05
376500	1882.5	50@25	Top	/	20.92	22.0	0.479	**0.61**	0.04
Body-Worn Test Data (15mm) - Power Level B1									
376500	1882.5	50@25	Front	/	20.92	22.0	0.148	**0.19**	0.04
376500	1882.5	50@25	Rear	/	20.92	22.0	0.133	**0.17**	0.12
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	50@25	Front	/	19.47	20.5	0.183	**0.23**	0.14
376500	1882.5	50@25	Rear	/	19.47	20.5	0.169	**0.21**	0.18
376500	1882.5	50@25	Left	/	19.47	20.5	0.178	**0.23**	-0.14
376500	1882.5	50@25	Top	/	19.47	20.5	0.346	**0.44**	-0.06
Body-Worn Test Data (15mm) - Power Level B2									
376500	1882.5	50@25	Front	/	19.47	20.5	0.111	**0.14**	-0.07
376500	1882.5	50@25	Rear	/	19.47	20.5	0.096	**0.12**	-0.07

Table 13.105: SAR Values (NR n25 - Body) - Ant.4-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
376500	1882.5	50@25	Front	/	20.92	22.0	0.070	**0.09**	0.04
376500	1882.5	50@25	Rear	/	20.92	22.0	0.262	**0.34**	0.12
376500	1882.5	50@25	Left	/	20.92	22.0	0.094	**0.12**	0.03
376500	1882.5	50@25	Top	/	20.92	22.0	0.373	**0.48**	0.04
Body-Worn Test Data (15mm) - Power Level B1									
376500	1882.5	50@25	Front	/	20.92	22.0	0.048	**0.06**	0.12
376500	1882.5	50@25	Rear	/	20.92	22.0	0.171	**0.22**	0.07
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	50@25	Front	/	19.47	20.5	0.054	**0.07**	-0.11
376500	1882.5	50@25	Rear	/	19.47	20.5	0.203	**0.26**	0.18
376500	1882.5	50@25	Left	/	19.47	20.5	0.073	**0.09**	0.17
376500	1882.5	50@25	Top	/	19.47	20.5	0.289	**0.37**	-0.15
Body-Worn Test Data (15mm) - Power Level B2									
376500	1882.5	50@25	Front	/	19.47	20.5	0.048	**0.06**	0.12
376500	1882.5	50@25	Rear	/	19.47	20.5	0.116	**0.15**	0.04

Table 13.106: SAR Values (NR n25 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
376500	1882.5	50@25	Left Cheek	/	18.33	19.1	0.277	**0.33**	0.01
376500	1882.5	50@25	Left Tilt	/	18.33	19.1	0.060	**0.07**	-0.02
376500	1882.5	50@25	Right Cheek	/	18.33	19.1	0.633	**0.76**	-0.06
376500	1882.5	50@25	Right Tilt	/	18.33	19.1	0.080	**0.10**	0.10
372000	1905.0	50@25	Right Cheek	/	18.28	19.1	0.765	**0.92**	0.07
372000	1860.0	50@25	Right Cheek	/	18.26	19.1	0.714	**0.87**	0.05

Table 13.107: SAR Values (NR n25 - Body) - Ant.5-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
376500	1882.5	50@25	Front	/	21.90	22.6	0.329	**0.39**	0.02
376500	1882.5	50@25	Rear	/	21.90	22.6	0.416	**0.49**	-0.13
376500	1882.5	50@25	Right	**59**	21.90	22.6	**0.533**	0.63	0.14
Body-Worn Test Data (15mm) - Power Level B1									
376500	1882.5	50@25	Front	/	21.90	22.6	0.152	**0.18**	0.15
376500	1882.5	50@25	Rear	/	21.90	22.6	0.200	0.23	0.09
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	50@25	Front	/	20.83	21.6	0.269	**0.32**	0.08
376500	1882.5	50@25	Rear	/	20.83	21.6	0.340	**0.41**	-0.06
376500	1882.5	50@25	Right	/	20.83	21.6	0.436	**0.52**	-0.14
Body-Worn Test Data (15mm) - Power Level B2									
376500	1882.5	50@25	Front	/	20.83	21.6	0.117	**0.14**	0.16
376500	1882.5	50@25	Rear	/	20.83	21.6	0.154	**0.18**	-0.01

Table 13.108: SAR Values (NR n25 - Body) - Ant.5-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
376500	1882.5	50@25	Front	/	21.90	22.6	0.057	**0.07**	-0.09
376500	1882.5	50@25	Rear	/	21.90	22.6	0.279	**0.33**	-0.10
376500	1882.5	50@25	Right	**60**	21.90	22.6	**0.462**	**0.54**	0.13
376500	1882.5	50@25	Bottom	/	21.90	22.6	0.059	**0.07**	0.02
Body-Worn Test Data (15mm) - Power Level B1									
376500	1882.5	50@25	Front	/	21.90	22.6	0.037	**0.04**	0.13
376500	1882.5	50@25	Rear	/	21.90	22.6	0.132	**0.16**	0.05
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	50@25	Front	/	20.31	21.1	0.040	**0.05**	-0.05
376500	1882.5	50@25	Rear	/	20.31	21.1	0.197	**0.24**	-0.18
376500	1882.5	50@25	Right	/	20.31	21.1	0.326	**0.39**	0.08
376500	1882.5	50@25	Bottom	/	20.31	21.1	0.042	**0.05**	0.05
Body-Worn Test Data (15mm) - Power Level B2									
376500	1882.5	50@25	Front	/	20.31	21.1	0.027	**0.03**	0.12
376500	1882.5	50@25	Rear	/	20.31	21.1	0.096	**0.11**	0.03

Table 13.109: SAR Values (NR n38 - Head) - Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
519000	2595.0	50@25	Left Cheek	/	14.92	16.2	0.246	**0.33**	-0.06
519000	2595.0	50@25	Left Tilt	/	14.92	16.2	0.326	**0.44**	-0.08
519000	2595.0	50@25	Right Cheek	/	14.92	16.2	0.729	**0.98**	-0.16
519000	2595.0	50@25	Right Tilt	/	14.92	16.2	0.644	**0.86**	-0.03
520000	2600.0	50@25	Right Cheek	**61**	14.87	16.2	**0.788**	1.07	0.13
518000	2590.0	50@25	Right Cheek	/	14.84	16.2	0.687	**0.94**	-0.10
520000	2600.0	50@25	Right Tilt	/	14.87	16.2	0.696	**0.95**	0.05
518000	2590.0	50@25	Right Tilt	/	14.84	16.2	0.607	**0.83**	-0.05
Power Level A2									
519000	2595.0	50@25	Left Cheek	/	13.38	14.7	0.164	**0.22**	0.05
519000	2595.0	50@25	Left Tilt	/	13.38	14.7	0.217	**0.29**	0.09
519000	2595.0	50@25	Right Cheek	/	13.38	14.7	0.485	**0.66**	-0.12
519000	2595.0	50@25	Right Tilt	/	13.38	14.7	0.428	**0.58**	0.11

Table 13.110: SAR Values (NR n38 - Body) - Ant.4-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.89	21.2	0.401	**0.54**	-0.16
519000	2595.0	50@25	Rear	/	19.89	21.2	0.262	**0.35**	0.06
519000	2595.0	50@25	Left	/	19.89	21.2	0.301	**0.41**	-0.12
519000	2595.0	50@25	Top	**62**	19.89	21.2	**0.480**	0.65	0.04
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.89	21.2	0.235	0.32	0.11
519000	2595.0	50@25	Rear	/	19.89	21.2	0.130	**0.18**	0.09
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.43	19.7	0.277	**0.37**	0.09
519000	2595.0	50@25	Rear	/	18.43	19.7	0.181	**0.24**	-0.04
519000	2595.0	50@25	Left	/	18.43	19.7	0.208	**0.28**	-0.02
519000	2595.0	50@25	Top	/	18.43	19.7	0.332	**0.44**	0.17
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.43	19.7	0.119	**0.16**	0.18
519000	2595.0	50@25	Rear	/	18.43	19.7	0.066	**0.09**	0.15

Table 13.111: SAR Values (NR n38 - Body) - Ant.4-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.89	21.2	0.084	**0.11**	0.05
519000	2595.0	50@25	Rear	/	19.89	21.2	0.164	**0.22**	-0.16
519000	2595.0	50@25	Left	/	19.89	21.2	0.150	**0.20**	0.14
519000	2595.0	50@25	Top	**63**	19.89	21.2	**0.171**	**0.23**	0.17
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.89	21.2	0.050	**0.07**	0.08
519000	2595.0	50@25	Rear	/	19.89	21.2	0.083	**0.11**	-0.05
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.43	19.7	0.058	**0.08**	-0.15
519000	2595.0	50@25	Rear	/	18.43	19.7	0.113	**0.15**	-0.06
519000	2595.0	50@25	Left	/	18.43	19.7	0.103	**0.14**	0.12
519000	2595.0	50@25	Top	/	18.43	19.7	0.118	**0.16**	0.14
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.43	19.7	0.036	**0.05**	0.10
519000	2595.0	50@25	Rear	/	18.43	19.7	0.059	**0.08**	-0.19

Table 13.112: SAR Values (NR n38 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
519000	2595.0	50@25	Left Cheek	/	19.33	20.2	0.383	**0.47**	0.19
519000	2595.0	50@25	Left Tilt	/	19.33	20.2	0.070	**0.09**	-0.14
519000	2595.0	50@25	Right Cheek	/	19.33	20.2	0.619	**0.76**	-0.06
519000	2595.0	50@25	Right Tilt	/	19.33	20.2	0.039	**0.05**	0.01
Power Level A2									
519000	2595.0	50@25	Left Cheek	/	17.76	18.7	0.248	**0.31**	-0.13
519000	2595.0	50@25	Left Tilt	/	17.76	18.7	0.045	**0.06**	0.07
519000	2595.0	50@25	Right Cheek	/	17.76	18.7	0.401	**0.50**	-0.08
519000	2595.0	50@25	Right Tilt	/	17.76	18.7	0.025	**0.03**	0.19

Table 13.113: SAR Values (NR n38 - Body) - Ant.5-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.82	20.7	0.123	**0.15**	0.04
519000	2595.0	50@25	Rear	/	19.82	20.7	0.149	**0.18**	-0.06
519000	2595.0	50@25	Right	/	19.82	20.7	0.185	**0.23**	0.16
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.82	20.7	0.057	**0.07**	0.14
519000	2595.0	50@25	Rear	/	19.82	20.7	0.066	**0.08**	0.05
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.30	19.2	0.090	**0.11**	0.05
519000	2595.0	50@25	Rear	/	18.30	19.2	0.109	**0.13**	0.01
519000	2595.0	50@25	Right	/	18.30	19.2	0.136	**0.17**	0.05
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.30	19.2	0.041	**0.05**	-0.02
519000	2595.0	50@25	Rear	/	18.30	19.2	0.047	**0.06**	0.07

Table 13.114: SAR Values (NR n38 - Body) - Ant.5-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.82	20.7	0.032	**0.04**	-0.08
519000	2595.0	50@25	Rear	/	19.82	20.7	0.160	**0.20**	0.08
519000	2595.0	50@25	Right	/	19.82	20.7	0.154	**0.19**	0.16
519000	2595.0	50@25	Bottom	/	19.82	20.7	0.089	**0.11**	0.01
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	50@25	Front	/	19.82	20.7	0.023	**0.03**	0.05
519000	2595.0	50@25	Rear	/	19.82	20.7	0.069	**0.08**	0.06
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.30	19.2	0.022	**0.03**	0.02
519000	2595.0	50@25	Rear	/	18.30	19.2	0.111	**0.14**	0.03
519000	2595.0	50@25	Right	/	18.30	19.2	0.107	**0.13**	0.05
519000	2595.0	50@25	Bottom	/	18.30	19.2	0.062	**0.08**	0.01
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	50@25	Front	/	18.30	19.2	0.017	**0.02**	0.04
519000	2595.0	50@25	Rear	/	18.30	19.2	0.052	**0.06**	-0.10

Table 13.115: SAR Values (NR n41 - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Left Cheek	/	14.43	15.1	0.511	**0.60**	-0.08
518598	2593.0	135@67	Left Tilt	/	14.43	15.1	0.043	**0.05**	0.18
518598	2593.0	135@67	Right Cheek	/	14.43	15.1	0.360	**0.42**	-0.11
518598	2593.0	135@67	Right Tilt	/	14.43	15.1	0.076	**0.09**	0.12
Power Level A4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Left Cheek	/	12.41	13.1	0.369	**0.43**	-0.15
518598	2593.0	135@67	Left Tilt	/	12.41	13.1	0.032	**0.04**	0.08
518598	2593.0	135@67	Right Cheek	/	12.41	13.1	0.260	**0.30**	-0.10
518598	2593.0	135@67	Right Tilt	/	12.41	13.1	0.054	**0.06**	0.19

Table 13.116: SAR Values (NR n41 - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.95	19.6	0.251	**0.29**	0.05
518598	2593.0	135@67	Rear	/	18.95	19.6	0.134	**0.16**	-0.15
518598	2593.0	135@67	Left	/	18.95	19.6	0.627	**0.73**	-0.06
Body-Worn Test Data (15mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.95	19.6	0.113	**0.13**	0.03
518598	2593.0	135@67	Rear	/	18.95	19.6	0.063	**0.07**	-0.19
Hotspot Test Data (10mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	16.41	17.1	0.144	**0.17**	-0.14
518598	2593.0	135@67	Rear	/	16.41	17.1	0.077	**0.09**	0.18
518598	2593.0	135@67	Left	/	16.41	17.1	0.359	**0.42**	0.03
Body-Worn Test Data (15mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	16.41	17.1	0.061	**0.07**	0.02
518598	2593.0	135@67	Rear	/	16.41	17.1	0.034	**0.04**	-0.06

Table 13.117: SAR Values (NR n41 - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.95	19.6	0.085	**0.10**	-0.08
518598	2593.0	135@67	Rear	/	18.95	19.6	0.213	**0.25**	-0.02
518598	2593.0	135@67	Left	/	18.95	19.6	0.468	**0.54**	0.12
518598	2593.0	135@67	Bottom	/	18.95	19.6	0.066	**0.08**	0.03
Body-Worn Test Data (15mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.95	19.6	0.050	**0.06**	-0.10
518598	2593.0	135@67	Rear	/	18.95	19.6	0.097	**0.11**	-0.05
Hotspot Test Data (10mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	16.41	17.1	0.048	**0.06**	-0.11
518598	2593.0	135@67	Rear	/	16.41	17.1	0.121	**0.14**	-0.06
518598	2593.0	135@67	Left	/	16.41	17.1	0.264	**0.31**	-0.12
518598	2593.0	135@67	Bottom	/	16.41	17.1	0.037	**0.04**	0.10
Body-Worn Test Data (15mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	16.41	17.1	0.029	**0.03**	-0.19
518598	2593.0	135@67	Rear	/	16.41	17.1	0.057	**0.07**	-0.10

Table 13.118: SAR Values (NR n41 - Head) - Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
518598	2593.0	135@67	Left Cheek	/	14.92	16.2	0.275	**0.37**	0.07
518598	2593.0	135@67	Left Tilt	/	14.92	16.2	0.376	**0.50**	-0.05
518598	2593.0	135@67	Right Cheek	/	14.92	16.2	0.742	**1.00**	0.04
518598	2593.0	135@67	Right Tilt	/	14.92	16.2	0.565	**0.76**	0.12
528000	2640.0	135@67	Right Cheek	**64**	14.86	16.2	**0.778**	1.06	0.04
509202	2546.0	135@67	Right Cheek	/	14.88	16.2	0.706	**0.96**	-0.08
Power Level A2									
518598	2593.0	135@67	Left Cheek	/	13.38	14.7	0.181	**0.25**	0.13
518598	2593.0	135@67	Left Tilt	/	13.38	14.7	0.248	**0.34**	0.02
518598	2593.0	135@67	Right Cheek	/	13.38	14.7	0.489	**0.66**	0.05
518598	2593.0	135@67	Right Tilt	/	13.38	14.7	0.372	**0.50**	0.12

Table 13.119: SAR Values (NR n41 - Body) - Ant.4-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
518598	2593.0	135@67	Front	/	20.46	21.7	0.509	**0.68**	0.17
518598	2593.0	135@67	Rear	/	20.46	21.7	0.298	**0.40**	0.12
518598	2593.0	135@67	Left	/	20.46	21.7	0.318	**0.42**	0.03
518598	2593.0	135@67	Top	**65**	20.46	21.7	**0.541**	0.72	0.06
Body-Worn Test Data (15mm) - Power Level B1									
518598	2593.0	135@67	Front	/	20.46	21.7	0.218	0.29	0.02
518598	2593.0	135@67	Rear	/	20.46	21.7	0.156	**0.21**	0.03
Hotspot Test Data (10mm) - Power Level B2									
518598	2593.0	135@67	Front	/	18.91	20.2	0.353	**0.48**	-0.02
518598	2593.0	135@67	Rear	/	18.91	20.2	0.207	**0.28**	0.15
518598	2593.0	135@67	Left	/	18.91	20.2	0.220	**0.30**	0.14
518598	2593.0	135@67	Top	/	18.91	20.2	0.375	**0.50**	0.02
Body-Worn Test Data (15mm) - Power Level B2									
518598	2593.0	135@67	Front	/	18.91	20.2	0.161	**0.22**	0.16
518598	2593.0	135@67	Rear	/	18.91	20.2	0.108	**0.15**	0.01

Table 13.120: SAR Values (NR n41 - Body) - Ant.4-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
518598	2593.0	135@67	Front	/	20.46	21.7	0.087	**0.12**	0.04
518598	2593.0	135@67	Rear	**66**	20.46	21.7	**0.202**	**0.27**	-0.11
518598	2593.0	135@67	Left	/	20.46	21.7	0.177	**0.24**	0.03
518598	2593.0	135@67	Top	/	20.46	21.7	0.186	**0.25**	0.10
Body-Worn Test Data (15mm) - Power Level B1									
518598	2593.0	135@67	Front	/	20.46	21.7	0.059	**0.08**	0.04
518598	2593.0	135@67	Rear	/	20.46	21.7	0.081	**0.11**	0.03
Hotspot Test Data (10mm) - Power Level B2									
518598	2593.0	135@67	Front	/	18.91	20.2	0.050	**0.07**	0.04
518598	2593.0	135@67	Rear	/	18.91	20.2	0.117	**0.16**	0.11
518598	2593.0	135@67	Left	/	18.91	20.2	0.103	**0.14**	0.10
518598	2593.0	135@67	Top	/	18.91	20.2	0.108	**0.15**	0.08
Body-Worn Test Data (15mm) - Power Level B2									
518598	2593.0	135@67	Front	/	18.91	20.2	0.045	**0.06**	-0.18
518598	2593.0	135@67	Rear	/	18.91	20.2	0.062	**0.08**	-0.15

Table 13.121: SAR Values (NR n41 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
519000	2595.0	135@67	Left Cheek	/	18.33	19.2	0.313	**0.38**	-0.07
519000	2595.0	135@67	Left Tilt	/	18.33	19.2	0.063	**0.08**	-0.16
519000	2595.0	135@67	Right Cheek	/	18.33	19.2	0.505	**0.62**	-0.13
519000	2595.0	135@67	Right Tilt	/	18.33	19.2	0.024	**0.03**	0.01
Power Level A2 / A3(DC_26A_n41A)									
519000	2595.0	135@67	Left Cheek	/	16.33	17.2	0.175	**0.21**	0.19
519000	2595.0	135@67	Left Tilt	/	16.33	17.2	0.035	**0.04**	0.04
519000	2595.0	135@67	Right Cheek	/	16.33	17.2	0.283	**0.35**	-0.12
519000	2595.0	135@67	Right Tilt	/	16.33	17.2	0.014	**0.02**	-0.14
Power Level A4(DC_26A_n41A)									
519000	2595.0	135@67	Left Cheek	/	13.33	14.2	0.085	**0.10**	-0.10
519000	2595.0	135@67	Left Tilt	/	13.33	14.2	0.017	**0.02**	-0.14
519000	2595.0	135@67	Right Cheek	/	13.33	14.2	0.137	**0.17**	-0.09
519000	2595.0	135@67	Right Tilt	/	13.33	14.2	0.007	**0.01**	-0.09

Table 13.122: SAR Values (NR n41 - Body) - Ant.5-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	135@67	Front	/	19.36	20.2	0.118	**0.14**	0.06
519000	2595.0	135@67	Rear	/	19.36	20.2	0.158	**0.19**	0.08
519000	2595.0	135@67	Right	/	19.36	20.2	0.179	**0.22**	-0.08
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	135@67	Front	/	19.36	20.2	0.047	**0.06**	0.03
519000	2595.0	135@67	Rear	/	19.36	20.2	0.058	**0.07**	0.05
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	135@67	Front	/	17.29	18.2	0.068	**0.08**	0.19
519000	2595.0	135@67	Rear	/	17.29	18.2	0.091	**0.11**	-0.07
519000	2595.0	135@67	Right	/	17.29	18.2	0.103	**0.13**	0.12
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	135@67	Front	/	17.29	18.2	0.032	**0.04**	-0.12
519000	2595.0	135@67	Rear	/	17.29	18.2	0.039	**0.05**	-0.02
Hotspot Test Data (10mm) - Power Level B3(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	16.83	17.7	0.059	**0.07**	-0.05
519000	2595.0	135@67	Rear	/	16.83	17.7	0.079	**0.10**	0.17
519000	2595.0	135@67	Right	/	16.83	17.7	0.090	**0.11**	0.19
Body-Worn Test Data (15mm) - Power Level B3(DC_26A_n41A)									

519000	2595.0	135@67	Front	/	16.83	17.7	0.027	**0.03**	0.01
519000	2595.0	135@67	Rear	/	16.83	17.7	0.033	**0.04**	-0.04
Hotspot Test Data (10mm) - Power Level B4(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	14.86	15.7	0.038	**0.05**	0.13
519000	2595.0	135@67	Rear	/	14.86	15.7	0.051	**0.06**	-0.17
519000	2595.0	135@67	Right	/	14.86	15.7	0.058	**0.07**	0.14
Body-Worn Test Data (15mm) - Power Level B4(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	14.86	15.7	0.025	**0.03**	-0.10
519000	2595.0	135@67	Rear	/	14.86	15.7	0.030	**0.04**	0.19

Table 13.123: SAR Values (NR n41 - Body) - Ant.5-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
519000	2595.0	135@67	Front	/	19.36	20.2	0.026	**0.03**	0.09
519000	2595.0	135@67	Rear	/	19.36	20.2	0.124	**0.15**	-0.19
519000	2595.0	135@67	Right	/	19.36	20.2	0.131	**0.16**	0.10
519000	2595.0	135@67	Bottom	/	19.36	20.2	0.019	**0.02**	0.13
Body-Worn Test Data (15mm) - Power Level B1									
519000	2595.0	135@67	Front	/	19.36	20.2	0.024	**0.03**	0.02
519000	2595.0	135@67	Rear	/	19.36	20.2	0.050	**0.06**	-0.02
Hotspot Test Data (10mm) - Power Level B2									
519000	2595.0	135@67	Front	/	17.29	18.2	0.018	**0.02**	0.06
519000	2595.0	135@67	Rear	/	17.29	18.2	0.087	**0.11**	-0.05
519000	2595.0	135@67	Right	/	17.29	18.2	0.092	**0.11**	-0.17
519000	2595.0	135@67	Bottom	/	17.29	18.2	0.013	**0.02**	-0.19
Body-Worn Test Data (15mm) - Power Level B2									
519000	2595.0	135@67	Front	/	17.29	18.2	0.019	**0.02**	0.14
519000	2595.0	135@67	Rear	/	17.29	18.2	0.039	**0.05**	0.07
Hotspot Test Data (10mm) - Power Level B3(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	16.83	17.7	0.015	**0.02**	0.14
519000	2595.0	135@67	Rear	/	16.83	17.7	0.072	**0.09**	-0.15
519000	2595.0	135@67	Right	/	16.83	17.7	0.076	**0.09**	0.04
519000	2595.0	135@67	Bottom	/	16.83	17.7	0.011	**0.01**	0.01
Body-Worn Test Data (15mm) - Power Level B3(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	16.83	17.7	0.018	**0.02**	-0.08
519000	2595.0	135@67	Rear	/	16.83	17.7	0.039	**0.05**	0.15
Hotspot Test Data (10mm) - Power Level B4(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	14.86	15.7	0.009	**0.01**	0.15
519000	2595.0	135@67	Rear	/	14.86	15.7	0.044	**0.05**	-0.19
519000	2595.0	135@67	Right	/	14.86	15.7	0.047	**0.06**	0.09
519000	2595.0	135@67	Bottom	/	14.86	15.7	0.007	**0.01**	0.04

Body-Worn Test Data (15mm) - Power Level B4(DC_26A_n41A)									
519000	2595.0	135@67	Front	/	14.86	15.7	0.013	**0.02**	-0.11
519000	2595.0	135@67	Rear	/	14.86	15.7	0.021	**0.03**	-0.09

Table 13.124: SAR Values (NR n41 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3/A4									
518598	2593.0	135@67	Left Cheek	/	24.43	25.2	0.066	**0.08**	-0.03
518598	2593.0	135@67	Left Tilt	/	24.43	25.2	0.054	**0.06**	-0.01
518598	2593.0	135@67	Right Cheek	/	24.43	25.2	0.044	**0.05**	0.12
518598	2593.0	135@67	Right Tilt	/	24.43	25.2	0.003	**<0.01**	-0.15

Table 13.125: SAR Values (NR n41 - Body) - Ant.6-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	20.28	21.2	0.075	**0.09**	0.09
518598	2593.0	135@67	Rear	/	20.28	21.2	0.078	**0.10**	-0.07
518598	2593.0	135@67	Right	/	20.28	21.2	0.041	**0.05**	0.00
518598	2593.0	135@67	Bottom	/	20.28	21.2	0.150	**0.19**	0.19
Body-Worn Test Data (15mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	20.28	21.2	0.031	**0.04**	-0.18
518598	2593.0	135@67	Rear	/	20.28	21.2	0.032	**0.04**	0.10
Hotspot Test Data (10mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.32	19.2	0.053	**0.07**	0.02
518598	2593.0	135@67	Rear	/	18.32	19.2	0.054	**0.07**	-0.08
518598	2593.0	135@67	Right	/	18.32	19.2	0.028	**0.03**	0.13
518598	2593.0	135@67	Bottom	/	18.32	19.2	0.103	**0.13**	0.19
Body-Worn Test Data (15mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.32	19.2	0.021	**0.03**	-0.06
518598	2593.0	135@67	Rear	/	18.32	19.2	0.022	**0.03**	-0.17

Table 13.126: SAR Values (NR n41 - Body) - Ant.6-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	20.28	21.2	0.068	**0.08**	-0.10
518598	2593.0	135@67	Rear	/	20.28	21.2	0.009	**0.01**	-0.14
518598	2593.0	135@67	Right	/	20.28	21.2	0.009	**0.01**	0.14
518598	2593.0	135@67	Top	/	20.28	21.2	0.095	**0.12**	0.02
Body-Worn Test Data (15mm) - Power Level B3(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	20.28	21.2	0.020	**0.02**	0.10
518598	2593.0	135@67	Rear	/	20.28	21.2	0.001	**<0.01**	0.06
Hotspot Test Data (10mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.32	19.2	0.041	**0.05**	0.19
518598	2593.0	135@67	Rear	/	18.32	19.2	0.005	**0.01**	0.13
518598	2593.0	135@67	Right	/	18.32	19.2	0.006	**0.01**	0.18
518598	2593.0	135@67	Top	/	18.32	19.2	0.057	**0.07**	0.18
Body-Worn Test Data (15mm) - Power Level B4(DC_25A_n41A, DC_26A_n41A)									
518598	2593.0	135@67	Front	/	18.32	19.2	0.015	**0.02**	0.11
518598	2593.0	135@67	Rear	/	18.32	19.2	0.001	**<0.01**	0.03

Table 13.127: SAR Values (NR n66 - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Left Cheek	/	19.66	21.2	0.210	**0.30**	0.02
349000	1745.0	50@25	Left Tilt	/	19.66	21.2	0.058	**0.08**	0.09
349000	1745.0	50@25	Right Cheek	/	19.66	21.2	0.516	**0.74**	0.02
349000	1745.0	50@25	Right Tilt	/	19.66	21.2	0.093	**0.13**	0.08
Power Level A4(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Left Cheek	/	16.14	17.7	0.095	**0.14**	0.02
349000	1745.0	50@25	Left Tilt	/	16.14	17.7	0.026	**0.04**	-0.18
349000	1745.0	50@25	Right Cheek	/	16.14	17.7	0.233	**0.33**	0.01
349000	1745.0	50@25	Right Tilt	/	16.14	17.7	0.042	**0.06**	0.02

Table 13.128: SAR Values (NR n66 - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	19.16	20.7	0.090	**0.13**	0.09
349000	1745.0	50@25	Rear	/	19.16	20.7	0.076	**0.11**	0.02
349000	1745.0	50@25	Left	/	19.16	20.7	0.199	**0.28**	0.13
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	19.16	20.7	0.039	**0.06**	0.15
349000	1745.0	50@25	Rear	/	19.16	20.7	0.038	**0.05**	0.02
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.17	18.7	0.054	**0.08**	0.15
349000	1745.0	50@25	Rear	/	17.17	18.7	0.045	**0.06**	0.01
349000	1745.0	50@25	Left	/	17.17	18.7	0.119	**0.17**	0.14
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.17	18.7	0.022	**0.03**	0.08
349000	1745.0	50@25	Rear	/	17.17	18.7	0.021	**0.03**	0.12

Table 13.129: SAR Values (NR n66 - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	19.16	20.7	0.038	**0.05**	0.12
349000	1745.0	50@25	Rear	/	19.16	20.7	0.074	**0.11**	0.15
349000	1745.0	50@25	Left	/	19.16	20.7	0.236	**0.34**	-0.07
349000	1745.0	50@25	Bottom	/	19.16	20.7	0.040	**0.06**	0.07
Body-Worn Test Data (15mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	19.16	20.7	0.023	**0.03**	0.09
349000	1745.0	50@25	Rear	/	19.16	20.7	0.039	**0.05**	0.04
Hotspot Test Data (10mm) - Power Level B4(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.17	18.7	0.025	**0.04**	0.04
349000	1745.0	50@25	Rear	/	17.17	18.7	0.048	**0.07**	0.11
349000	1745.0	50@25	Left	/	17.17	18.7	0.153	**0.22**	0.01
349000	1745.0	50@25	Bottom	/	17.17	18.7	0.026	**0.04**	-0.10
Body-Worn Test Data (15mm) - Power Level B4(DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.17	18.7	0.014	**0.02**	0.03
349000	1745.0	50@25	Rear	/	17.17	18.7	0.024	**0.03**	0.19

Table 13.130: SAR Values (NR n66 - Head) - Ant.4

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
349000	1745.0	50@25	Left Cheek	/	21.13	22.2	0.263	**0.34**	-0.11
349000	1745.0	50@25	Left Tilt	/	21.13	22.2	0.396	**0.51**	0.11
349000	1745.0	50@25	Right Cheek	/	21.13	22.2	0.621	**0.79**	-0.18
349000	1745.0	50@25	Right Tilt	/	21.13	22.2	0.525	**0.67**	0.09
Power Level A2 / A3(DC_7A_n66A)									
349000	1745.0	50@25	Left Cheek	/	19.93	21.2	0.194	**0.26**	-0.04
349000	1745.0	50@25	Left Tilt	/	19.93	21.2	0.292	**0.39**	-0.09
349000	1745.0	50@25	Right Cheek	/	19.93	21.2	0.458	**0.61**	0.09
349000	1745.0	50@25	Right Tilt	/	19.93	21.2	0.387	**0.52**	0.19
Power Level A4(DC_7A_n66A)									
349000	1745.0	50@25	Left Cheek	/	16.93	18.2	0.102	**0.14**	0.04
349000	1745.0	50@25	Left Tilt	/	16.93	18.2	0.153	**0.20**	0.02
349000	1745.0	50@25	Right Cheek	/	16.93	18.2	0.240	**0.32**	-0.02
349000	1745.0	50@25	Right Tilt	/	16.93	18.2	0.203	**0.27**	0.20

Table 13.131: SAR Values (NR n66 - Body) - Ant.4-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.51	22.7	0.086	**0.11**	0.11
349000	1745.0	50@25	Rear	/	21.51	22.7	0.085	**0.11**	0.07
349000	1745.0	50@25	Left	/	21.51	22.7	0.061	**0.08**	0.15
349000	1745.0	50@25	Top	/	21.51	22.7	0.195	**0.26**	0.05
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.51	22.7	0.057	**0.08**	-0.12
349000	1745.0	50@25	Rear	/	21.51	22.7	0.052	**0.07**	0.16
Hotspot Test Data (10mm) - Power Level B2									
349000	1745.0	50@25	Front	/	19.93	21.2	0.057	**0.08**	0.18
349000	1745.0	50@25	Rear	/	19.93	21.2	0.056	**0.07**	-0.06
349000	1745.0	50@25	Left	/	19.93	21.2	0.040	**0.05**	0.05
349000	1745.0	50@25	Top	/	19.93	21.2	0.128	**0.17**	0.05
Hotspot Test Data (10mm) - Power Level B2									
349000	1745.0	50@25	Front	/	19.93	21.2	0.039	**0.05**	0.07
349000	1745.0	50@25	Rear	/	19.93	21.2	0.035	**0.05**	0.08
Hotspot Test Data (10mm) - Power Level B3(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	18.93	20.2	0.047	**0.06**	-0.15
349000	1745.0	50@25	Rear	/	18.93	20.2	0.047	**0.06**	0.09

349000	1745.0	50@25	Left	/	18.93	20.2	0.033	**0.04**	-0.06
349000	1745.0	50@25	Top	/	18.93	20.2	0.107	**0.14**	0.03
Hotspot Test Data (10mm) - Power Level B3(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	18.93	20.2	0.030	**0.04**	0.06
349000	1745.0	50@25	Rear	/	18.93	20.2	0.027	**0.04**	0.02
Hotspot Test Data (10mm) - Power Level B4(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	16.93	18.2	0.028	**0.04**	0.06
349000	1745.0	50@25	Rear	/	16.93	18.2	0.028	**0.04**	0.20
349000	1745.0	50@25	Left	/	16.93	18.2	0.020	**0.03**	-0.03
349000	1745.0	50@25	Top	/	16.93	18.2	0.064	**0.09**	0.06
Hotspot Test Data (10mm) - Power Level B4(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	16.93	18.2	0.018	**0.02**	0.11
349000	1745.0	50@25	Rear	/	16.93	18.2	0.016	**0.02**	0.15

Table 13.132: SAR Values (NR n66 - Body) - Ant.4-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.51	22.7	0.078	**0.10**	0.12
349000	1745.0	50@25	Rear	/	21.51	22.7	0.129	**0.17**	0.19
349000	1745.0	50@25	Left	/	21.51	22.7	0.077	**0.10**	-0.11
349000	1745.0	50@25	Top	/	21.51	22.7	0.191	**0.25**	0.09
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.51	22.7	0.048	**0.06**	0.07
349000	1745.0	50@25	Rear	/	21.51	22.7	0.087	**0.11**	-0.02
Hotspot Test Data (10mm) - Power Level B2									
349000	1745.0	50@25	Front	/	19.93	21.2	0.053	**0.07**	0.04
349000	1745.0	50@25	Rear	/	19.93	21.2	0.087	**0.12**	0.11
349000	1745.0	50@25	Left	/	19.93	21.2	0.052	**0.07**	0.15
349000	1745.0	50@25	Top	/	19.93	21.2	0.129	**0.17**	-0.15
Hotspot Test Data (10mm) - Power Level B2									
349000	1745.0	50@25	Front	/	19.93	21.2	0.034	**0.05**	0.08
349000	1745.0	50@25	Rear	/	19.93	21.2	0.062	**0.08**	-0.15
Hotspot Test Data (10mm) - Power Level B3(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	18.93	20.2	0.041	**0.06**	0.16
349000	1745.0	50@25	Rear	/	18.93	20.2	0.068	**0.09**	0.12
349000	1745.0	50@25	Left	/	18.93	20.2	0.041	**0.05**	-0.11
349000	1745.0	50@25	Top	/	18.93	20.2	0.101	**0.14**	-0.09
Hotspot Test Data (10mm) - Power Level B3(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	18.93	20.2	0.024	**0.03**	-0.17
349000	1745.0	50@25	Rear	/	18.93	20.2	0.044	**0.06**	-0.11
Hotspot Test Data (10mm) - Power Level B4(DC_7A_n66A)									

349000	1745.0	50@25	Front	/	16.93	18.2	0.026	**0.03**	0.08
349000	1745.0	50@25	Rear	/	16.93	18.2	0.043	**0.06**	0.18
349000	1745.0	50@25	Left	/	16.93	18.2	0.026	**0.03**	-0.17
349000	1745.0	50@25	Top	/	16.93	18.2	0.063	**0.08**	0.09
Hotspot Test Data (10mm) - Power Level B4(DC_7A_n66A)									
349000	1745.0	50@25	Front	/	16.93	18.2	0.008	**0.01**	0.07
349000	1745.0	50@25	Rear	/	16.93	18.2	0.014	**0.02**	-0.01

Table 13.133: SAR Values (NR n66 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
349000	1745.0	50@25	Left Cheek	/	17.62	18.8	0.371	**0.49**	0.14
349000	1745.0	50@25	Left Tilt	/	17.62	18.8	0.073	**0.10**	0.16
349000	1745.0	50@25	Right Cheek	**67**	17.62	18.8	**0.831**	1.09	0.05
349000	1745.0	50@25	Right Tilt	/	17.62	18.8	0.064	**0.08**	-0.15
354000	1770.0	50@25	Right Cheek	/	17.52	18.8	0.729	**0.98**	0.04
344000	1720.0	50@25	Right Cheek	/	17.55	18.8	0.778	**1.04**	0.12
Power Level A2 / A3(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Left Cheek	/	16.11	17.3	0.254	**0.33**	0.08
349000	1745.0	50@25	Left Tilt	/	16.11	17.3	0.050	**0.07**	0.17
349000	1745.0	50@25	Right Cheek	/	16.11	17.3	0.570	**0.75**	-0.19
349000	1745.0	50@25	Right Tilt	/	16.11	17.3	0.044	**0.06**	0.15
Power Level A4(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Left Cheek	/	13.09	14.3	0.126	**0.17**	0.08
349000	1745.0	50@25	Left Tilt	/	13.09	14.3	0.025	**0.03**	-0.19
349000	1745.0	50@25	Right Cheek	/	13.09	14.3	0.283	**0.37**	0.16
349000	1745.0	50@25	Right Tilt	/	13.09	14.3	0.022	**0.03**	-0.14

Table 13.134: SAR Values (NR n66 - Body) - Ant.5-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.68	22.8	0.431	**0.56**	-0.08
349000	1745.0	50@25	Rear	/	21.68	22.8	0.494	**0.64**	0.01
349000	1745.0	50@25	Right	**68**	21.68	22.8	**0.844**	1.09	0.10
354000	1770.0	50@25	Right	/	21.68	22.8	0.738	**0.96**	0.15
344000	1720.0	50@25	Right	/	21.68	22.8	0.725	**0.94**	0.07
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.68	22.8	0.178	**0.23**	0.13
349000	1745.0	50@25	Rear	/	21.68	22.8	0.234	0.30	0.10
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	20.14	21.3	0.298	**0.39**	0.16
349000	1745.0	50@25	Rear	/	20.14	21.3	0.342	**0.45**	-0.02
349000	1745.0	50@25	Right	/	20.14	21.3	0.585	**0.76**	-0.07
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	20.14	21.3	0.129	**0.17**	-0.06
349000	1745.0	50@25	Rear	/	20.14	21.3	0.170	**0.22**	0.02
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									

349000	1745.0	50@25	Front	/	17.11	18.3	0.149	**0.20**	-0.10
349000	1745.0	50@25	Rear	/	17.11	18.3	0.171	**0.22**	0.14
349000	1745.0	50@25	Right	/	17.11	18.3	0.293	**0.39**	0.04
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.11	18.3	0.062	**0.08**	0.09
349000	1745.0	50@25	Rear	/	17.11	18.3	0.082	**0.11**	-0.18

Table 13.135: SAR Values (NR n66 - Body) - Ant.5-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.68	22.8	0.118	**0.15**	0.12
349000	1745.0	50@25	Rear	/	21.68	22.8	0.411	**0.53**	0.05
349000	1745.0	50@25	Right	**69**	21.68	22.8	**0.778**	**1.01**	0.10
349000	1745.0	50@25	Bottom	/	21.68	22.8	0.119	**0.15**	0.04
354000	1770.0	50@25	Right	/	21.68	22.8	0.703	**0.91**	0.02
344000	1720.0	50@25	Right	/	21.68	22.8	0.652	**0.84**	0.07
Hotspot Test Data (10mm) - Power Level B1									
349000	1745.0	50@25	Front	/	21.68	22.8	0.067	**0.09**	0.16
349000	1745.0	50@25	Rear	/	21.68	22.8	0.196	**0.25**	0.09
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	20.14	21.3	0.081	**0.11**	-0.13
349000	1745.0	50@25	Rear	/	20.14	21.3	0.281	**0.37**	-0.19
349000	1745.0	50@25	Right	/	20.14	21.3	0.533	**0.70**	0.17
349000	1745.0	50@25	Bottom	/	20.14	21.3	0.082	**0.11**	0.07
Hotspot Test Data (10mm) - Power Level B2 / B3(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	20.14	21.3	0.045	**0.06**	-0.09
349000	1745.0	50@25	Rear	/	20.14	21.3	0.133	**0.17**	-0.09
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.11	18.3	0.039	**0.05**	-0.16
349000	1745.0	50@25	Rear	/	17.11	18.3	0.136	**0.18**	-0.11
349000	1745.0	50@25	Right	/	17.11	18.3	0.258	**0.34**	0.00
349000	1745.0	50@25	Bottom	/	17.11	18.3	0.039	**0.05**	0.08
Hotspot Test Data (10mm) - Power Level B4(DC_5A_n66A, DC_7A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	17.11	18.3	0.023	**0.03**	0.09
349000	1745.0	50@25	Rear	/	17.11	18.3	0.068	**0.09**	-0.13

Table 13.136: SAR Values (NR n66 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A3/A4									
349000	1745.0	50@25	Left Cheek	/	23.05	24.2	0.068	**0.09**	-0.18
349000	1745.0	50@25	Left Tilt	/	23.05	24.2	0.029	**0.04**	0.05
349000	1745.0	50@25	Right Cheek	/	23.05	24.2	0.031	**0.04**	-0.19
349000	1745.0	50@25	Right Tilt	/	23.05	24.2	0.004	**<0.01**	0.03

Table 13.137: SAR Values (NR n66 - Body) - Ant.6-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A) / B4(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	23.05	24.2	0.006	**0.01**	0.12
349000	1745.0	50@25	Rear	/	23.05	24.2	0.007	**0.01**	0.05
349000	1745.0	50@25	Right	/	23.05	24.2	0.001	**<0.01**	-0.04
349000	1745.0	50@25	Bottom	/	23.05	24.2	0.008	**0.01**	0.03
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A) / B4(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	23.05	24.2	0.003	**<0.01**	0.09
349000	1745.0	50@25	Rear	/	23.05	24.2	0.003	**<0.01**	0.03

Table 13.138: SAR Values (NR n66 - Body) - Ant.6-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A) / B4(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	23.05	24.2	0.004	**<0.01**	0.09
349000	1745.0	50@25	Rear	/	23.05	24.2	<0.01	**<0.01**	-0.02
349000	1745.0	50@25	Right	/	23.05	24.2	<0.01	**<0.01**	0.08
349000	1745.0	50@25	Top	/	23.05	24.2	<0.01	**<0.01**	0.06
Hotspot Test Data (10mm) - Power Level B3(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A) / B4(DC_2A_n66A, DC_5A_n66A, DC_12A_n66A)									
349000	1745.0	50@25	Front	/	23.05	24.2	<0.01	**<0.01**	0.05
349000	1745.0	50@25	Rear	/	23.05	24.2	<0.01	**<0.01**	0.13

13.3. Test Results for Bluetooth

Table 13.139: SAR Values (Bluetooth - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level C1/C2									
39	2441.0	GFSK	Left Cheek	/	9.39	11.0	0.147	**0.21**	0.09
39	2441.0	GFSK	Left Tilt	/	9.39	11.0	0.014	**0.02**	0.01
39	2441.0	GFSK	Right Cheek	/	9.39	11.0	0.135	**0.20**	0.01
39	2441.0	GFSK	Right Tilt	/	9.39	11.0	0.036	**0.05**	0.30

Table 13.140: SAR Values (Bluetooth - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	**71**	9.39	11.0	**0.036**	0.05	-0.02
39	2441.0	GFSK	Rear	/	9.39	11.0	0.032	**0.05**	0.04
39	2441.0	GFSK	Left	/	9.39	11.0	0.004	**0.01**	-0.18
39	2441.0	GFSK	Top	/	9.39	11.0	0.029	**0.04**	-0.03
Test Data (15mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	9.39	11.0	0.012	**0.02**	0.12
39	2441.0	GFSK	Rear	/	9.39	11.0	0.014	0.02	0.03

Table 13.141: SAR Values (Bluetooth - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	9.39	11.0	0.003	**<0.01**	-0.07
39	2441.0	GFSK	Rear	/	9.39	11.0	0.011	**0.02**	0.11
39	2441.0	GFSK	Left	**72**	9.39	11.0	**0.021**	**0.03**	0.04
39	2441.0	GFSK	Bottom	/	9.39	11.0	<0.01	**<0.01**	0.13
Test Data (15mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	9.39	11.0	<0.01	**<0.01**	-0.19
39	2441.0	GFSK	Rear	/	9.39	11.0	0.004	**0.01**	-0.17

Table 13.142: SAR Values (Bluetooth - Head) - Ant.12

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level C1									
39	2441.0	GFSK	Left Cheek	**70**	12.54	14.0	**0.154**	**0.22**	0.07
39	2441.0	GFSK	Left Tilt	/	12.54	14.0	0.099	**0.14**	0.08
39	2441.0	GFSK	Right Cheek	/	12.54	14.0	0.061	**0.08**	0.12
39	2441.0	GFSK	Right Tilt	/	12.54	14.0	0.070	**0.10**	0.07
Power Level C2(Bluetooth+ WWAN)									
39	2441.0	GFSK	Left Cheek	/	11.44	13.0	0.119	**0.17**	0.03
39	2441.0	GFSK	Left Tilt	/	11.44	13.0	0.076	**0.11**	0.04
39	2441.0	GFSK	Right Cheek	/	11.44	13.0	0.047	**0.07**	0.09
39	2441.0	GFSK	Right Tilt	/	11.44	13.0	0.054	**0.08**	-0.02
Power Level C2(Bluetooth+ WLAN 2.4GHz + WLAN 5GHz)									
39	2441.0	GFSK	Left Cheek	/	9.01	10.5	0.065	**0.09**	0.04
39	2441.0	GFSK	Left Tilt	/	9.01	10.5	0.042	**0.06**	0.16
39	2441.0	GFSK	Right Cheek	/	9.01	10.5	0.026	**0.04**	-0.18
39	2441.0	GFSK	Right Tilt	/	9.01	10.5	0.029	**0.04**	0.05
Power Level C2(Bluetooth+ WLAN 2.4GHz + WLAN 5GHz + WWAN)									
39	2441.0	GFSK	Left Cheek	/	7.42	9.0	0.043	**0.06**	-0.01
39	2441.0	GFSK	Left Tilt	/	7.42	9.0	0.027	**0.04**	0.10
39	2441.0	GFSK	Right Cheek	/	7.42	9.0	0.017	**0.02**	0.05
39	2441.0	GFSK	Right Tilt	/	7.42	9.0	0.019	**0.03**	-0.07

Table 13.143: SAR Values (Bluetooth - Body) - Ant.12-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	12.54	14.0	0.025	**0.03**	0.09
39	2441.0	GFSK	Rear	/	12.54	14.0	0.025	**0.03**	0.09
39	2441.0	GFSK	Right	/	12.54	14.0	0.029	**0.04**	0.07
39	2441.0	GFSK	Top	/	12.54	14.0	0.025	**0.04**	0.02
Test Data (15mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	12.54	14.0	0.011	**0.01**	0.07
39	2441.0	GFSK	Rear	/	12.54	14.0	0.008	**0.01**	0.04

Table 13.144: SAR Values (Bluetooth - Body) - Ant.12-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	12.54	14.0	0.001	**<0.01**	0.09
39	2441.0	GFSK	Rear	/	12.54	14.0	0.014	**0.02**	0.05
39	2441.0	GFSK	Right	/	12.54	14.0	0.008	**0.01**	0.12
39	2441.0	GFSK	Top	/	12.54	14.0	0.006	**0.01**	0.13
Test Data (15mm) - Power Level D1/D2									
39	2441.0	GFSK	Front	/	12.54	14.0	<0.01	**<0.01**	0.09
39	2441.0	GFSK	Rear	/	12.54	14.0	0.006	**0.01**	0.18

13.4. WLAN Evaluation for 2.4GHz

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

Table 13.145: SAR Values (WLAN 2.4GHz - Head) - Ant.0

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level C1/C2									
1	2412.0	802.11b	Left Cheek	/	14.97	16.0	0.117	**0.15**	0.03
1	2412.0	802.11b	Left Tilt	/	14.97	16.0	0.049	**0.06**	0.09
1	2412.0	802.11b	Right Cheek	/	14.97	16.0	0.202	**0.26**	0.19
1	2412.0	802.11b	Right Tilt	/	14.97	16.0	0.065	**0.08**	-0.11

Table 13.146: SAR Values (WLAN 2.4GHz - Body) - Ant.0-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
1	2412.0	802.11b	Front	/	16.37	17.5	0.074	**0.10**	-0.04
1	2412.0	802.11b	Rear	/	16.37	17.5	0.047	**0.06**	0.13
1	2412.0	802.11b	Left	/	16.37	17.5	0.112	**0.15**	0.02
1	2412.0	802.11b	Top	/	16.37	17.5	0.030	**0.04**	0.06
Body-Worn Test Data (15mm) - Power Level D1/D2									
1	2412.0	802.11b	Front	/	16.37	17.5	0.056	**0.07**	-0.17
1	2412.0	802.11b	Rear	/	16.37	17.5	0.036	**0.05**	0.02

Table 13.147: SAR Values (WLAN 2.4GHz - Body) - Ant.0-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
1	2412.0	802.11b	Front	/	18.57	19.5	0.002	**<0.01**	0.06
1	2412.0	802.11b	Rear	/	18.57	19.5	0.066	**0.08**	-0.14
1	2412.0	802.11b	Left	**75**	18.57	19.5	**0.134**	**0.17**	0.03
1	2412.0	802.11b	Bottom	/	18.57	19.5	0.006	**0.01**	0.11
Body-Worn Test Data (15mm) - Power Level D1/D2									
1	2412.0	802.11b	Front	/	18.57	19.5	**<0.01**	**<0.01**	0.02
1	2412.0	802.11b	Rear	/	18.57	19.5	0.025	**0.03**	0.01

Table 13.148: SAR Values (WLAN 2.4GHz - Head) - Ant.12

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level C1									
11	2462.0	802.11b	Left Cheek	**73**	15.42	16.0	**0.625**	**0.71**	-0.08
11	2462.0	802.11b	Left Tilt	/	15.42	16.0	0.441	**0.50**	-0.06
11	2462.0	802.11b	Right Cheek	/	15.42	16.0	0.212	**0.24**	-0.02
11	2462.0	802.11b	Right Tilt	/	15.42	16.0	0.245	**0.28**	0.15
Power Level C2(WLAN 2.4GHz +BT, WLAN 2.4GHz + WLAN 5GHz +BT, WLAN 2.4GHz + WLAN 5GHz)									
11	2462.0	802.11b	Left Cheek	/	12.91	13.5	0.316	**0.36**	0.12
11	2462.0	802.11b	Left Tilt	/	12.91	13.5	0.223	**0.26**	-0.10
11	2462.0	802.11b	Right Cheek	/	12.91	13.5	0.107	**0.12**	0.08
11	2462.0	802.11b	Right Tilt	/	12.91	13.5	0.124	**0.14**	-0.14
Power Level C2(WWAN + WLAN 2.4GHz/5GHz, WWAN+BT)									
11	2462.0	802.11b	Left Cheek	/	12.44	13.0	0.286	**0.33**	-0.08
11	2462.0	802.11b	Left Tilt	/	12.44	13.0	0.202	**0.23**	0.08
11	2462.0	802.11b	Right Cheek	/	12.44	13.0	0.097	**0.11**	-0.16
11	2462.0	802.11b	Right Tilt	/	12.44	13.0	0.112	**0.13**	-0.17
Power Level C2(WWAN + WALN 2.4GHz + WALN 5GHz, WWAN + WALN 2.4GHz + BT, WWAN + WALN 5GHz + BT, WWAN+ WALN 2.4GHz + WALN 5GHz + BT)									
11	2462.0	802.11b	Left Cheek	/	8.44	9.0	0.121	**0.14**	-0.04
11	2462.0	802.11b	Left Tilt	/	8.44	9.0	0.085	**0.10**	0.04
11	2462.0	802.11b	Right Cheek	/	8.44	9.0	0.041	**0.05**	0.18
11	2462.0	802.11b	Right Tilt	/	8.44	9.0	0.047	**0.05**	-0.03

Table 13.149: SAR Values (WLAN 2.4GHz - Body) - Ant.12-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
11	2462.0	802.11b	Front	/	16.89	17.5	0.154	**0.18**	-0.09
11	2462.0	802.11b	Rear	/	16.89	17.5	0.122	**0.14**	0.09
11	2462.0	802.11b	Right	/	16.89	17.5	0.154	**0.18**	-0.13
11	2462.0	802.11b	Top	**74**	16.89	17.5	**0.212**	**0.24**	0.05
Body-Worn Test Data (15mm) - Power Level D1/D2									
11	2462.0	802.11b	Front	/	16.89	17.5	0.065	**0.07**	0.11
11	2462.0	802.11b	Rear	/	16.89	17.5	0.059	**0.07**	0.15

Table 13.150: SAR Values (WLAN 2.4GHz - Body) - Ant.12-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
11	2462.0	802.11b	Front	/	19.13	19.5	0.029	**0.03**	-0.06
11	2462.0	802.11b	Rear	/	19.13	19.5	0.118	**0.13**	0.03
11	2462.0	802.11b	Right	/	19.13	19.5	0.110	**0.12**	0.07
11	2462.0	802.11b	Top	/	19.13	19.5	0.122	**0.13**	0.04
Body-Worn Test Data (15mm) - Power Level D1/D2									
11	2462.0	802.11b	Front	/	19.13	19.5	0.011	**0.01**	0.09
11	2462.0	802.11b	Rear	/	19.13	19.5	0.060	**0.07**	0.14

Table 13.151: SAR Values (WLAN 2.4GHz - Head) - MIMO

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level C1/C2									
3	2422.0	802.11n-40	Left Cheek	/	17.73	19.0	0.154	**0.21**	0.07
3	2422.0	802.11n-40	Left Tilt	/	17.73	19.0	0.137	**0.18**	0.03
3	2422.0	802.11n-40	Right Cheek	/	17.73	19.0	0.045	**0.06**	-0.11
3	2422.0	802.11n-40	Right Tilt	/	17.73	19.0	0.082	**0.11**	0.14

Table 13.152: SAR Values (WLAN 2.4GHz - Body) - MIMO-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
3	2422.0	802.11n-40	Front	/	21.34	22.5	0.039	**0.05**	-0.07
3	2422.0	802.11n-40	Rear	/	21.34	22.5	0.040	**0.05**	0.06
3	2422.0	802.11n-40	Left	/	21.34	22.5	0.041	**0.05**	0.04
3	2422.0	802.11n-40	Right	/	21.34	22.5	0.034	**0.04**	-0.11
3	2422.0	802.11n-40	Top	/	21.34	22.5	0.052	**0.07**	0.03
Body-Worn Test Data (15mm) - Power Level D1/D2									
3	2422.0	802.11n-40	Front	/	21.34	22.5	0.028	**0.04**	0.04
3	2422.0	802.11n-40	Rear	/	21.34	22.5	0.029	**0.04**	0.09

Table 13.153: SAR Values (WLAN 2.4GHz - Body) - MIMO-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level D1/D2									
3	2422.0	802.11n-40	Front	/	21.34	22.5	0.014	**0.02**	0.07
3	2422.0	802.11n-40	Rear	/	21.34	22.5	0.040	**0.05**	0.18
3	2422.0	802.11n-40	Left	/	21.34	22.5	0.041	**0.05**	-0.12
3	2422.0	802.11n-40	Right	/	21.34	22.5	0.022	**0.03**	-0.06
3	2422.0	802.11n-40	Top	/	21.34	22.5	0.020	**0.03**	0.07
3	2422.0	802.11n-40	Bottom	/	21.34	22.5	0.012	**0.02**	0.18
Body-Worn Test Data (15mm) - Power Level D1/D2									
3	2422.0	802.11n-40	Front	/	21.34	22.5	0.005	**0.01**	0.04
3	2422.0	802.11n-40	Rear	/	21.34	22.5	0.018	**0.02**	0.08

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.154: SAR Values (WLAN - Body) - 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Left Cheek	100%	100%	0.71	**0.71**

Table 13.155: SAR Values (WLAN - Body) - 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Top	100%	100%	0.24	**0.24**

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

13.5. WLAN Evaluation for 5GHz

Table 13.156: SAR Values (WLAN 5GHz - Head) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level C1									
64	5320.0	802.11a	Left Cheek	/	14.40	15.1	0.426	**0.50**	0.04
64	5320.0	802.11a	Left Tilt	/	14.40	15.1	0.467	**0.55**	0.12
64	5320.0	802.11a	Right Cheek	/	14.40	15.1	0.215	**0.25**	0.03
64	5320.0	802.11a	Right Tilt	/	14.40	15.1	0.235	**0.28**	0.03
<U-NII-2A> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
64	5320.0	802.11a	Left Cheek	/	12.82	13.6	0.311	**0.37**	0.02
64	5320.0	802.11a	Left Tilt	/	12.82	13.6	0.341	**0.41**	-0.07
64	5320.0	802.11a	Right Cheek	/	12.82	13.6	0.157	**0.19**	-0.18
64	5320.0	802.11a	Right Tilt	/	12.82	13.6	0.172	**0.21**	-0.02
<U-NII-2A> - Power Level C2(WWAN + WLAN 5GHz)									
64	5320.0	802.11a	Left Cheek	/	11.79	12.6	0.274	**0.33**	-0.11
64	5320.0	802.11a	Left Tilt	/	11.79	12.6	0.300	**0.36**	-0.16
64	5320.0	802.11a	Right Cheek	/	11.79	12.6	0.138	**0.17**	-0.06
64	5320.0	802.11a	Right Tilt	/	11.79	12.6	0.151	**0.18**	-0.18
<U-NII-2A> - Power Level C2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
64	5320.0	802.11a	Left Cheek	/	9.42	10.1	0.109	**0.13**	0.00
64	5320.0	802.11a	Left Tilt	/	9.42	10.1	0.120	**0.14**	0.14
64	5320.0	802.11a	Right Cheek	/	9.42	10.1	0.055	**0.06**	0.13
64	5320.0	802.11a	Right Tilt	/	9.42	10.1	0.060	**0.07**	-0.03
<U-NII-2C> - Power Level C1									
124	5620.0	802.11a	Left Cheek	**76**	14.99	15.6	**0.845**	**0.97**	0.03
124	5620.0	802.11a	Left Tilt	/	14.99	15.6	0.627	**0.72**	0.04
124	5620.0	802.11a	Right Cheek	/	14.99	15.6	0.325	**0.37**	0.12
124	5620.0	802.11a	Right Tilt	/	14.99	15.6	0.374	**0.43**	0.03
140	5700.0	802.11a	Left Cheek	/	14.98	15.6	0.589	**0.68**	0.03
<U-NII-2C> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
124	5620.0	802.11a	Left Cheek	/	13.95	14.6	0.458	**0.53**	0.03
124	5620.0	802.11a	Left Tilt	/	13.95	14.6	0.340	**0.39**	-0.15
124	5620.0	802.11a	Right Cheek	/	13.95	14.6	0.176	**0.20**	0.02
124	5620.0	802.11a	Right Tilt	/	13.95	14.6	0.203	**0.24**	-0.13
<U-NII-2C> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
124	5620.0	802.11a	Left Cheek	/	11.86	12.6	0.280	**0.33**	0.18

124	5620.0	802.11a	Left Tilt	/	11.86	12.6	0.208	**0.25**	0.09
124	5620.0	802.11a	Right Cheek	/	11.86	12.6	0.108	**0.13**	0.16
124	5620.0	802.11a	Right Tilt	/	11.86	12.6	0.124	**0.15**	0.07
<U-NII-2C> - Power Level C2(WWAN + WLAN 5GHz)									
124	5620.0	802.11a	Left Cheek	/	10.87	11.6	0.206	**0.24**	-0.03
124	5620.0	802.11a	Left Tilt	/	10.87	11.6	0.153	**0.18**	0.03
124	5620.0	802.11a	Right Cheek	/	10.87	11.6	0.079	**0.09**	-0.07
124	5620.0	802.11a	Right Tilt	/	10.87	11.6	0.091	**0.11**	-0.17
<U-NII-2C> - Power Level C2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
124	5620.0	802.11a	Left Cheek	/	8.39	9.1	0.107	**0.13**	-0.17
124	5620.0	802.11a	Left Tilt	/	8.39	9.1	0.079	**0.09**	0.15
124	5620.0	802.11a	Right Cheek	/	8.39	9.1	0.041	**0.05**	0.11
124	5620.0	802.11a	Right Tilt	/	8.39	9.1	0.047	**0.06**	0.12
<U-NII-3> - Power Level C1									
165	5825.0	802.11a	Left Cheek	/	14.92	15.1	0.595	**0.62**	0.12
165	5825.0	802.11a	Left Tilt	/	14.92	15.1	0.570	**0.59**	0.03
165	5825.0	802.11a	Right Cheek	/	14.92	15.1	0.287	**0.30**	0.12
165	5825.0	802.11a	Right Tilt	/	14.92	15.1	0.350	**0.36**	0.04
<U-NII-3> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Left Cheek	/	12.91	13.1	0.554	**0.58**	0.19
165	5825.0	802.11a	Left Tilt	/	12.91	13.1	0.531	**0.55**	-0.02
165	5825.0	802.11a	Right Cheek	/	12.91	13.1	0.267	**0.28**	0.10
165	5825.0	802.11a	Right Tilt	/	12.91	13.1	0.326	**0.34**	-0.09
<U-NII-3> - Power Level C2(WWAN + WLAN 5GHz)									
165	5825.0	802.11a	Left Cheek	/	11.95	12.1	0.356	**0.37**	-0.11
165	5825.0	802.11a	Left Tilt	/	11.95	12.1	0.341	**0.35**	-0.04
165	5825.0	802.11a	Right Cheek	/	11.95	12.1	0.172	**0.18**	-0.06
165	5825.0	802.11a	Right Tilt	/	11.95	12.1	0.209	**0.22**	0.04
<U-NII-3> - Power Level C2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
165	5825.0	802.11a	Left Cheek	/	9.38	9.6	0.128	**0.13**	0.02
165	5825.0	802.11a	Left Tilt	/	9.38	9.6	0.123	**0.13**	-0.11
165	5825.0	802.11a	Right Cheek	/	9.38	9.6	0.062	**0.07**	0.16
165	5825.0	802.11a	Right Tilt	/	9.38	9.6	0.075	**0.08**	-0.07

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.157: SAR Values (WLAN 5GHz - Body) - Ant.9-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
48	5240.0	802.11a	Front	/	11.89	12.6	0.028	**0.03**	0.00
48	5240.0	802.11a	Rear	/	11.89	12.6	0.014	**0.02**	0.08
48	5240.0	802.11a	Right	/	11.89	12.6	0.024	**0.03**	0.04
48	5240.0	802.11a	Top	/	11.89	12.6	0.032	**0.04**	0.08
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1/D2									
165	5825.0	802.11a	Front	/	15.44	15.6	0.090	**0.09**	0.01
165	5825.0	802.11a	Rear	/	15.44	15.6	0.029	**0.03**	0.02
165	5825.0	802.11a	Right	/	15.44	15.6	0.053	**0.06**	-0.02
165	5825.0	802.11a	Top	/	15.44	15.6	0.133	**0.14**	-0.05
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
64	5320.0	802.11a	Front	/	14.40	15.1	0.021	**0.02**	0.01
64	5320.0	802.11a	Rear	/	14.40	15.1	0.020	**0.02**	0.03
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
124	5620.0	802.11a	Front	/	14.99	15.6	0.042	**0.05**	0.02
124	5620.0	802.11a	Rear	/	14.99	15.6	0.039	**0.04**	-0.05
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1/D2									
165	5825.0	802.11a	Front	/	15.44	15.6	0.048	**0.05**	0.03
165	5825.0	802.11a	Rear	/	15.44	15.6	0.016	**0.02**	0.12

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.158: SAR Values (WLAN 5GHz - Body) - Ant.9-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
48	5240.0	802.11a	Front	/	13.45	14.1	0.003	**<0.01**	0.04
48	5240.0	802.11a	Rear	/	13.45	14.1	0.021	**0.02**	0.12
48	5240.0	802.11a	Right	/	13.45	14.1	0.010	**0.01**	0.03
48	5240.0	802.11a	Top	/	13.45	14.1	0.033	**0.04**	0.12
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1/D2									
165	5825.0	802.11a	Front	/	16.41	16.6	0.019	**0.02**	0.03
165	5825.0	802.11a	Rear	/	16.41	16.6	0.024	**0.03**	-0.09
165	5825.0	802.11a	Right	/	16.41	16.6	0.040	**0.04**	0.05
165	5825.0	802.11a	Top	/	16.41	16.6	0.076	**0.08**	-0.06
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
64	5320.0	802.11a	Front	/	14.40	15.1	0.016	**0.02**	0.01
64	5320.0	802.11a	Rear	/	14.40	15.1	0.012	**0.01**	0.02
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
124	5620.0	802.11a	Front	/	14.99	15.6	0.009	**0.01**	0.01
124	5620.0	802.11a	Rear	/	14.99	15.6	0.022	**0.03**	0.06
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1/D2									
165	5825.0	802.11a	Front	/	16.41	16.6	0.008	**0.01**	0.14
165	5825.0	802.11a	Rear	/	16.41	16.6	0.010	**0.01**	0.02

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.159: SAR Values (WLAN 5GHz - Head) - Ant.13

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level C1/C2									
64	5320.0	802.11a	Left Cheek	/	14.40	15.1	<0.01	**<0.01**	0.00
64	5320.0	802.11a	Left Tilt	/	14.40	15.1	<0.01	**<0.01**	0.00
64	5320.0	802.11a	Right Cheek	/	14.40	15.1	<0.01	**<0.01**	0.00
64	5320.0	802.11a	Right Tilt	/	14.40	15.1	<0.01	**<0.01**	0.00
<U-NII-2C> - Power Level C1/C2									
124	5620.0	802.11a	Left Cheek	/	14.99	15.6	<0.01	**<0.01**	0.00
124	5620.0	802.11a	Left Tilt	/	14.99	15.6	<0.01	**<0.01**	0.00
124	5620.0	802.11a	Right Cheek	/	14.99	15.6	<0.01	**<0.01**	0.00
124	5620.0	802.11a	Right Tilt	/	14.99	15.6	<0.01	**<0.01**	0.00
<U-NII-3> - Power Level C1/C2									
165	5825.0	802.11a	Left Cheek	/	14.95	15.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Left Tilt	/	14.95	15.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Right Cheek	/	14.95	15.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Right Tilt	/	14.95	15.1	<0.01	**<0.01**	0.00

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.160: SAR Values (WLAN 5GHz - Body) - Ant.13-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
48	5240.0	802.11a	Front	/	11.89	12.6	<0.01	**<0.01**	0.14
48	5240.0	802.11a	Rear	/	11.89	12.6	0.025	**0.03**	0.09
48	5240.0	802.11a	Right	/	11.89	12.6	<0.01	**<0.01**	0.08
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1									
165	5825.0	802.11a	Front	/	15.47	15.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	**77**	15.47	15.6	**0.369**	**0.38**	-0.01
165	5825.0	802.11a	Right	/	15.47	15.6	0.108	**0.11**	-0.19
<U-NII-3> - Hotspot Test Data (10mm) - D2((WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	13.94	14.1	0.101	**0.10**	0.08
165	5825.0	802.11a	Rear	/	13.94	14.1	0.353	**0.37**	-0.11
165	5825.0	802.11a	Right	/	13.94	14.1	0.103	**0.11**	0.17
<U-NII-3> - Hotspot Test Data (10mm) - D2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	12.98	13.1	0.081	**0.08**	-0.06
165	5825.0	802.11a	Rear	/	12.98	13.1	0.284	**0.29**	-0.12
165	5825.0	802.11a	Right	/	12.98	13.1	0.083	**0.09**	0.12
<U-NII-3> - Hotspot Test Data (10mm) - D2(WWAN + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	10.45	10.6	0.027	**0.03**	-0.13
165	5825.0	802.11a	Rear	/	10.45	10.6	0.094	**0.10**	-0.04
165	5825.0	802.11a	Right	/	10.45	10.6	0.028	**0.03**	0.08
<U-NII-3> - Hotspot Test Data (10mm) - D2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
165	5825.0	802.11a	Front	/	8.44	8.6	0.023	**0.02**	0.07
165	5825.0	802.11a	Rear	/	8.44	8.6	0.081	**0.08**	-0.15
165	5825.0	802.11a	Right	/	8.44	8.6	0.024	**0.02**	0.14
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
64	5320.0	802.11a	Front	/	14.40	15.1	<0.01	**<0.01**	0.00
64	5320.0	802.11a	Rear	/	14.40	15.1	0.007	**0.01**	0.00
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
124	5620.0	802.11a	Front	/	14.99	15.6	0.057	**0.07**	-0.08
124	5620.0	802.11a	Rear	/	14.99	15.6	0.101	**0.12**	0.03
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1									
165	5825.0	802.11a	Front	/	15.47	15.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	15.47	15.6	0.185	**0.19**	0.02
< U-NII-3> - Body-Worn Test Data (15mm) - D2((WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	13.94	14.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	13.94	14.1	0.177	**0.18**	0.08

< U-NII-3> - Body-Worn Test Data (15mm) - D2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	12.98	13.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	12.98	13.1	0.142	**0.15**	-0.11
< U-NII-3> - Body-Worn Test Data (15mm) - D2(WWAN + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	10.45	10.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	10.45	10.6	0.047	**0.05**	0.12
< U-NII-3> - Body-Worn Test Data (15mm) - D2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
165	5825.0	802.11a	Front	/	8.44	8.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	8.44	8.6	0.041	**0.04**	0.13

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.161: SAR Values (WLAN 5GHz - Body) - Ant.13-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
48	5240.0	802.11a	Front	/	13.45	14.1	<0.01	**<0.01**	0.02
48	5240.0	802.11a	Rear	/	13.45	14.1	0.026	**0.03**	0.05
48	5240.0	802.11a	Right	/	13.45	14.1	<0.01	**<0.01**	0.15
48	5240.0	802.11a	Bottom	/	13.45	14.1	<0.01	**<0.01**	0.18
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1									
165	5825.0	802.11a	Front	/	16.48	16.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	**78**	16.48	16.6	**0.513**	0.53	-0.04
165	5825.0	802.11a	Right	/	16.48	16.6	0.144	**0.15**	0.12
165	5825.0	802.11a	Bottom	/	16.48	16.6	0.091	**0.09**	0.16
<U-NII-3> - Hotspot Test Data (10mm) - D2((WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	14.95	15.1	0.054	**0.06**	-0.14
165	5825.0	802.11a	Rear	/	14.95	15.1	0.363	**0.38**	-0.05
165	5825.0	802.11a	Right	/	14.95	15.1	0.101	**0.10**	-0.05
165	5825.0	802.11a	Bottom	/	14.95	15.1	0.064	**0.07**	-0.01
<U-NII-3> - Hotspot Test Data (10mm) - D2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	13.94	14.1	0.042	**0.04**	0.07
165	5825.0	802.11a	Rear	/	13.94	14.1	0.280	**0.29**	0.17
165	5825.0	802.11a	Right	/	13.94	14.1	0.079	**0.08**	0.05
165	5825.0	802.11a	Bottom	/	13.94	14.1	0.049	**0.05**	-0.16
<U-NII-3> - Hotspot Test Data (10mm) - D2(WWAN + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	11.49	11.6	0.025	**0.03**	-0.15
165	5825.0	802.11a	Rear	/	11.49	11.6	0.168	**0.17**	0.13
165	5825.0	802.11a	Right	/	11.49	11.6	0.047	**0.05**	0.16
165	5825.0	802.11a	Bottom	/	11.49	11.6	0.030	**0.03**	-0.04
<U-NII-3> - Hotspot Test Data (10mm) - D2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
165	5825.0	802.11a	Front	/	9.41	9.6	0.011	**0.01**	0.04
165	5825.0	802.11a	Rear	/	9.41	9.6	0.076	**0.08**	0.11
165	5825.0	802.11a	Right	/	9.41	9.6	0.021	**0.02**	-0.04
165	5825.0	802.11a	Bottom	/	9.41	9.6	0.013	**0.01**	0.05
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
64	5320.0	802.11a	Front	/	14.40	15.1	<0.01	**<0.01**	0.00
64	5320.0	802.11a	Rear	/	14.40	15.1	0.038	**0.04**	0.02
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
124	5620.0	802.11a	Front	/	14.99	15.6	0.048	**0.05**	0.03
124	5620.0	802.11a	Rear	/	14.99	15.6	0.103	**0.12**	0.02

< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1									
165	5825.0	802.11a	Front	/	16.48	16.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	16.48	16.6	0.229	**0.24**	0.04
< U-NII-3> - Body-Worn Test Data (15mm) - D2((WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	14.95	15.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	14.95	15.1	0.191	**0.20**	0.17
< U-NII-3> - Body-Worn Test Data (15mm) - D2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	13.94	14.1	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	13.94	14.1	0.146	**0.15**	-0.09
< U-NII-3> - Body-Worn Test Data (15mm) - D2(WWAN + WLAN 5GHz)									
165	5825.0	802.11a	Front	/	11.49	11.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	11.49	11.6	0.088	**0.09**	-0.10
< U-NII-3> - Body-Worn Test Data (15mm) - D2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz +BT)									
165	5825.0	802.11a	Front	/	9.41	9.6	<0.01	**<0.01**	0.00
165	5825.0	802.11a	Rear	/	9.41	9.6	0.040	**0.04**	0.07

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.162: SAR Values (WLAN 5GHz - Head) -MIMO

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level C1/C2									
58	5290.0	11ac80	Left Cheek	/	17.29	18.0	0.184	**0.22**	0.01
58	5290.0	11ac80	Left Tilt	/	17.29	18.0	0.202	**0.24**	0.06
58	5290.0	11ac80	Right Cheek	/	17.29	18.0	0.093	**0.11**	0.04
58	5290.0	11ac80	Right Tilt	/	17.29	18.0	0.095	**0.11**	0.12
<U-NII-2C> - Power Level C1 / C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
122	5610.0	11ac80	Left Cheek	/	17.81	18.5	0.322	**0.38**	0.04
122	5610.0	11ac80	Left Tilt	/	17.81	18.5	0.324	**0.38**	0.12
122	5610.0	11ac80	Right Cheek	/	17.81	18.5	0.161	**0.19**	0.04
122	5610.0	11ac80	Right Tilt	/	17.81	18.5	0.201	**0.24**	0.12
<U-NII-2C> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
122	5610.0	11ac80	Left Cheek	/	16.76	17.5	0.252	**0.30**	-0.06
122	5610.0	11ac80	Left Tilt	/	16.76	17.5	0.254	**0.30**	0.05
122	5610.0	11ac80	Right Cheek	/	16.76	17.5	0.126	**0.15**	-0.07
122	5610.0	11ac80	Right Tilt	/	16.76	17.5	0.158	**0.19**	-0.17
<U-NII-2C> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
122	5610.0	11ac80	Left Cheek	/	14.73	15.5	0.147	**0.18**	-0.14
122	5610.0	11ac80	Left Tilt	/	14.73	15.5	0.148	**0.18**	-0.11
122	5610.0	11ac80	Right Cheek	/	14.73	15.5	0.074	**0.09**	-0.10
122	5610.0	11ac80	Right Tilt	/	14.73	15.5	0.092	**0.11**	-0.09
<U-NII-3> - Power Level C1 / C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
155	5775.0	11ac80	Left Cheek	/	17.65	18.0	0.258	**0.28**	0.04
155	5775.0	11ac80	Left Tilt	/	17.65	18.0	0.285	**0.31**	0.06
155	5775.0	11ac80	Right Cheek	/	17.65	18.0	0.178	**0.19**	0.06
155	5775.0	11ac80	Right Tilt	/	17.65	18.0	0.205	**0.22**	0.12
<U-NII-3> - Power Level C2(WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz + BT, WLAN 2.4GHz + WLAN 5GHz)									
155	5775.0	11ac80	Left Cheek	/	15.58	16.0	0.152	**0.17**	-0.16
155	5775.0	11ac80	Left Tilt	/	15.58	16.0	0.168	**0.19**	0.06
155	5775.0	11ac80	Right Cheek	/	15.58	16.0	0.105	**0.12**	0.11
155	5775.0	11ac80	Right Tilt	/	15.58	16.0	0.121	**0.13**	-0.16
<U-NII-3> - Power Level C2(WWAN + WLAN 5GHz)									
155	5775.0	11ac80	Left Cheek	/	14.49	15.0	0.100	**0.11**	0.09

155	5775.0	11ac80	Left Tilt	/	14.49	15.0	0.110	**0.12**	0.13
155	5775.0	11ac80	Right Cheek	/	14.49	15.0	0.069	**0.08**	0.16
155	5775.0	11ac80	Right Tilt	/	14.49	15.0	0.079	**0.09**	-0.11
<U-NII-3> - Power Level C2(WWAN + WLAN 2.4GHz + WLAN 5GHz, WWAN + WLAN 5GHz + BT, WWAN + WLAN 2.4GHz + WLAN 5GHz +BT)									
155	5775.0	11ac80	Left Cheek	/	12.15	12.5	0.048	**0.05**	0.17
155	5775.0	11ac80	Left Tilt	/	12.15	12.5	0.053	**0.06**	0.16
155	5775.0	11ac80	Right Cheek	/	12.15	12.5	0.033	**0.04**	-0.08
155	5775.0	11ac80	Right Tilt	/	12.15	12.5	0.038	**0.04**	-0.01

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.163: SAR Values (WLAN 5GHz - Body) - MIMO-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
42	5210.0	11ac80	Front	/	14.61	15.5	0.008	**0.01**	0.04
42	5210.0	11ac80	Rear	/	14.61	15.5	0.020	**0.03**	0.12
42	5210.0	11ac80	Right	/	14.61	15.5	0.014	**0.02**	0.04
42	5210.0	11ac80	Top	/	14.61	15.5	0.020	**0.02**	-0.06
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1/D2									
155	5775.0	11ac80	Front	/	18.18	18.5	0.070	**0.08**	-0.15
155	5775.0	11ac80	Rear	/	18.18	18.5	0.150	**0.16**	0.04
155	5775.0	11ac80	Right	/	18.18	18.5	0.046	**0.05**	0.02
155	5775.0	11ac80	Top	/	18.18	18.5	0.069	**0.07**	-0.03
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
58	5290.0	11ac80	Front	/	17.29	18.0	0.008	**0.01**	0.04
58	5290.0	11ac80	Rear	/	17.29	18.0	0.007	**0.01**	0.12
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
122	5610.0	11ac80	Front	/	17.81	18.5	0.049	**0.06**	0.02
122	5610.0	11ac80	Rear	/	17.81	18.5	0.051	**0.06**	0.05
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1/D2									
155	5775.0	11ac80	Front	/	18.18	18.5	0.036	**0.04**	0.08
155	5775.0	11ac80	Rear	/	18.18	18.5	0.078	**0.08**	-0.03

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Table 13.164: SAR Values (WLAN 5GHz - Body) - MIMO-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level D1/D2									
42	5210.0	11ac80	Front	/	16.14	17.0	0.002	**<0.01**	0.00
42	5210.0	11ac80	Rear	/	16.14	17.0	0.016	**0.02**	0.04
42	5210.0	11ac80	Right	/	16.14	17.0	0.008	**0.01**	0.04
42	5210.0	11ac80	Top	/	16.14	17.0	0.015	**0.02**	0.04
42	5210.0	11ac80	Bottom	/	16.14	17.0	0.004	**0.01**	0.12
<U-NII-3> - Hotspot Test Data (10mm) - Power Level D1/D2									
155	5775.0	11ac80	Front	/	19.14	19.5	0.104	**0.11**	-0.01
155	5775.0	11ac80	Rear	/	19.14	19.5	0.209	**0.23**	0.03
155	5775.0	11ac80	Right	/	19.14	19.5	0.061	**0.07**	0.14
155	5775.0	11ac80	Top	/	19.14	19.5	0.068	**0.07**	0.00
155	5775.0	11ac80	Bottom	/	19.14	19.5	0.070	**0.08**	0.09
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level D1/D2									
58	5290.0	11ac80	Front	/	17.29	18.0	0.003	**<0.01**	0.04
58	5290.0	11ac80	Rear	/	17.29	18.0	0.004	**<0.01**	12.00
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level D1/D2									
122	5610.0	11ac80	Front	/	17.81	18.5	0.073	**0.09**	0.01
122	5610.0	11ac80	Rear	/	17.81	18.5	0.107	**0.13**	0.04
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level D1/D2									
155	5775.0	11ac80	Front	/	19.14	19.5	0.052	**0.06**	0.06
155	5775.0	11ac80	Rear	/	19.14	19.5	0.105	**0.11**	-0.14

Note: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.165: SAR Values (WLAN - Head) - 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
124	5620.0	Left Cheek	100%	100%	0.97	**0.97**

Table 13.166: SAR Values (WLAN - Body) - 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
165	5825.0	Rear	100%	100%	0.53	**0.53**

13.6. Product specific 10g SAR

Table 13.167: SAR Values (WLAN 5GHz - Extremity) - Ant.9-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
64	5320.0	802.11a	Front	/	14.40	15.1	0.232	**0.27**	-0.11
64	5320.0	802.11a	Rear	/	14.40	15.1	0.085	**0.10**	0.09
64	5320.0	802.11a	Right	/	14.40	15.1	0.161	**0.19**	0.08
64	5320.0	802.11a	Top	/	14.40	15.1	0.403	**0.47**	0.16
<U-NII-2C> -Test Data (0mm) - Power Level D1									
124	5620.0	802.11a	Front	/	14.99	15.6	0.399	**0.46**	-0.04
124	5620.0	802.11a	Rear	/	14.99	15.6	0.091	**0.11**	0.06
124	5620.0	802.11a	Right	/	14.99	15.6	0.142	**0.16**	0.13
124	5620.0	802.11a	Top	**79**	14.99	15.6	**0.544**	0.63	0.08

Table 13.168: SAR Values (WLAN 5GHz - Extremity) - Ant.9-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
64	5320.0	802.11a	Front	/	14.40	15.1	0.024	**0.03**	0.07
64	5320.0	802.11a	Rear	/	14.40	15.1	0.066	**0.08**	0.09
64	5320.0	802.11a	Right	/	14.40	15.1	0.104	**0.12**	0.02
64	5320.0	802.11a	Top	/	14.40	15.1	0.288	**0.34**	0.04
<U-NII-2C> -Test Data (0mm) - Power Level D1									
124	5620.0	802.11a	Front	/	14.99	15.6	0.037	**0.04**	0.13
124	5620.0	802.11a	Rear	/	14.99	15.6	0.071	**0.08**	0.09
124	5620.0	802.11a	Right	/	14.99	15.6	0.125	**0.14**	0.08
124	5620.0	802.11a	Top	/	14.99	15.6	0.380	**0.44**	0.05

Table 13.169: SAR Values (WLAN 5GHz - Extremity) - Ant.13-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
64	5320.0	802.11a	Front	/	14.40	15.1	0.021	**0.03**	0.04
64	5320.0	802.11a	Rear	/	14.40	15.1	0.105	**0.12**	0.12
64	5320.0	802.11a	Right	/	14.40	15.1	0.093	**0.11**	0.03
<U-NII-2C> -Test Data (0mm) - Power Level D1									
124	5620.0	802.11a	Front	/	14.99	15.6	0.005	**0.01**	0.00
124	5620.0	802.11a	Rear	/	14.99	15.6	0.418	**0.48**	0.16
124	5620.0	802.11a	Right	/	14.99	15.6	0.114	**0.13**	0.03

Table 13.170: SAR Values (WLAN 5GHz - Extremity) - Ant.13-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
64	5320.0	802.11a	Front	/	14.40	15.1	0.015	**0.02**	0.03
64	5320.0	802.11a	Rear	/	14.40	15.1	0.097	**0.11**	0.08
64	5320.0	802.11a	Right	/	14.40	15.1	0.037	**0.04**	0.04
64	5320.0	802.11a	Bottom	/	14.40	15.1	0.016	**0.02**	0.12
<U-NII-2C> -Test Data (0mm) - Power Level D1									
124	5620.0	802.11a	Front	/	14.99	15.6	0.021	**0.02**	0.04
124	5620.0	802.11a	Rear	**80**	14.99	15.6	**0.500**	**0.58**	0.12
124	5620.0	802.11a	Right	/	14.99	15.6	0.127	**0.15**	0.03
124	5620.0	802.11a	Bottom	/	14.99	15.6	0.025	**0.03**	0.12

Table 13.171: SAR Values (WLAN 5GHz - Extremity) - MIMO-Open

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
58	5290.0	11ac80	Front	/	17.29	18.0	0.096	**0.11**	-0.08
58	5290.0	11ac80	Rear	/	17.29	18.0	0.061	**0.07**	-0.12
58	5290.0	11ac80	Right	/	17.29	18.0	0.102	**0.12**	0.10
58	5290.0	11ac80	Top	/	17.29	18.0	0.178	**0.21**	0.17
<U-NII-2C> -Test Data (0mm) - Power Level D1									
122	5610.0	11ac80	Front	/	17.81	18.5	0.165	**0.19**	0.00
122	5610.0	11ac80	Rear	/	17.81	18.5	0.172	**0.20**	0.09
122	5610.0	11ac80	Right	/	17.81	18.5	0.099	**0.12**	0.04
122	5610.0	11ac80	Top	/	17.81	18.5	0.268	**0.31**	0.12

Table 13.172: SAR Values (WLAN 5GHz - Extremity) - MIMO-Close

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> -Test Data (0mm) - Power Level D1									
58	5290.0	11ac80	Front	/	17.29	18.0	0.024	**0.03**	0.12
58	5290.0	11ac80	Rear	/	17.29	18.0	0.057	**0.07**	0.03
58	5290.0	11ac80	Right	/	17.29	18.0	0.061	**0.07**	0.12
58	5290.0	11ac80	Top	/	17.29	18.0	0.109	**0.13**	0.17
58	5290.0	11ac80	Bottom	/	17.29	18.0	0.019	**0.02**	0.07
<U-NII-2C> -Test Data (0mm) - Power Level D1									
122	5610.0	11ac80	Front	/	17.81	18.5	0.019	**0.02**	0.05
122	5610.0	11ac80	Rear	/	17.81	18.5	0.170	**0.20**	-0.12
122	5610.0	11ac80	Right	/	17.81	18.5	0.052	**0.06**	-0.14
122	5610.0	11ac80	Top	/	17.81	18.5	0.190	**0.22**	-0.17
122	5610.0	11ac80	Bottom	/	17.81	18.5	0.011	**0.01**	-0.17

14. SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) 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 (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Table 14.1: SAR Measurement Variability for Body - GSM8500 (Ant.0-Open)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
190	836.6	Left	0.859	0.835	1.03	/

Table 14.2: SAR Measurement Variability for Body - WCDMA Band 5 (Ant.0-Open)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
4183	836.6	Left	0.838	0.820	1.02	/

Table 14.3: SAR Measurement Variability for Head - LTE Band 2 (Ant.4)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
38150	2610.0	Right Tilt	0.808	0.789	1.02	/

Table 14.4: SAR Measurement Variability for Head - LTE Band 38 (Ant.4)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
20300	1745.0	Top	0.879	0.848	1.04	/

Table 14.5: SAR Measurement Variability for Head - NR n2 (Ant.4)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
380000	1900.0	Right Cheek	0.899	0.876	1.03	/

Table 14.6: SAR Measurement Variability for Head - NR n66 (Ant.5)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
349000	1745.0	Right Cheek	0.831	0.818	1.02	/

Table 14.7: SAR Measurement Variability for Body - NR n66 (Ant.5)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
349000	1745.0	Right	0.844	0.831	1.02	/

Table 14.8: SAR Measurement Variability for Head - WLAN 5GHz (Ant.9)

Frequency		Test Position	Original	1st Repeated	Ratio	2nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
124	5620.0	Left Cheek	0.845	0.830	1.02	/

15. Measurement Uncertainty

15.1. Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	12	N	2	1	1	6.0	6.0	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	√0.5	√0.5	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	Modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	9
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{23} c_i^2 u_i^2}$						11.3	11.2	95.5
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						22.6	22.4	

15.2. Measurement Uncertainty for Normal SAR Tests (3GHz~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	13.1	N	2	1	1	6.65	6.65	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	√0.5	√0.5	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. Restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	43
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	521
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						11.6	11.5	257
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						23.2	23.0	

16. Main Test Instruments

Table 16.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46103759	2021-11-15&2022-11-14	One year
02	Dielectric probe	85070E	MY44300317	/	/
03	Power meter	E4418B	MY50000366	2021-12-12&2022-12-11	One year
04	Power sensor	E9304A	MY50000188	2021-12-12&2022-12-11	One year
05	Power meter	NRP	101260	2021-12-30	One year
06	Power sensor	NRP-Z91	102211	2021-12-30	One year
07	Signal Generator	E8257D	MY47461211	2022-01-14	One year
08	Amplifier	VTL5400	0404	/	/
09	DAE	DAE4	1527	2022-06-21	One year
10	E-field Probe	EX3DV4	7621	2022-05-06	One year
11	Dipole Validation Kit	D750V3	1163	2022-08-22	One year
12	Dipole Validation Kit	D835V2	4d057	2021-10-18	Three years
13	Dipole Validation Kit	D1750V2	1152	2022-08-22	One year
14	Dipole Validation Kit	D1900V2	5d088	2021-10-18	Three years
15	Dipole Validation Kit	D2450V2	873	2021-10-21	Three years
16	Dipole Validation Kit	D2550V2	1010	2021-05-21	Three years
17	Dipole Validation Kit	D5GHzV2	1238	2022-08-17	One year
18	BTS	E5515C	GB46110722	2022-01-14	One year
19	BTS	MT8820C	6201341853	2022-01-14	One year
20	BTS	CMW500	152499	2022-07-15	One year
21	Software	DASY5	/	/	/

ANNEX A: Graph Results

GSM850 Head

Date: 2022-11-8

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.998 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.665 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.270 W/kg

Maximum value of SAR (measured) = 0.889 W/kg

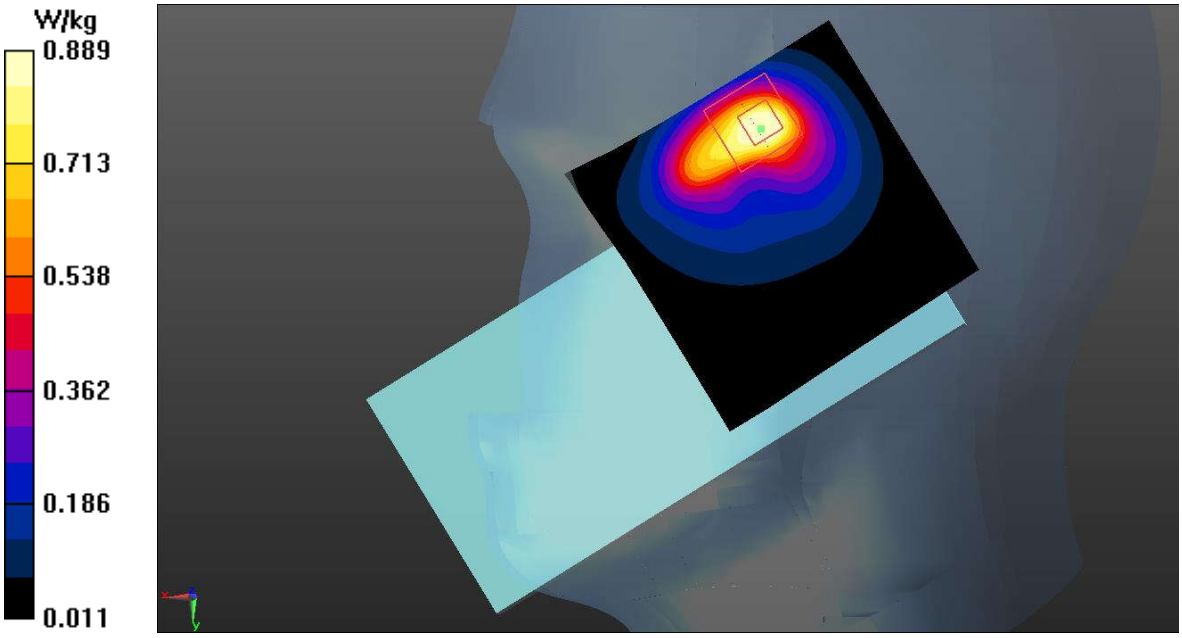


Fig.1 GSM850 Head

GSM850 Body-Open
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3
Communication System: UID 0, 4 slot GPRS (0) Frequency: 836.6 MHz Duty Cycle: 1:2
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left side Middle/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Left side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.35 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.431 W/kg
Maximum value of SAR (measured) = 0.953 W/kg

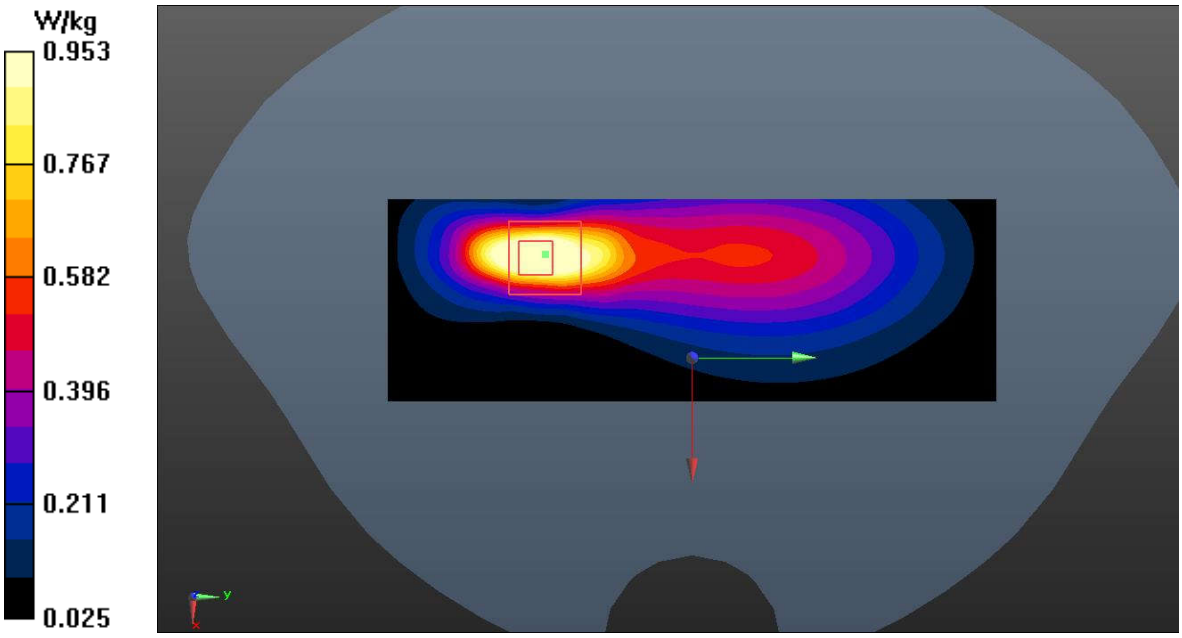


Fig.2 GSM850 Body

GSM850 Body-Close
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3
Communication System: UID 0, 4 slot GPRS (0) Frequency: 836.6 MHz Duty Cycle: 1:2
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left side Middle/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.341 W/kg

Left side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.17 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.663 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.330 W/kg

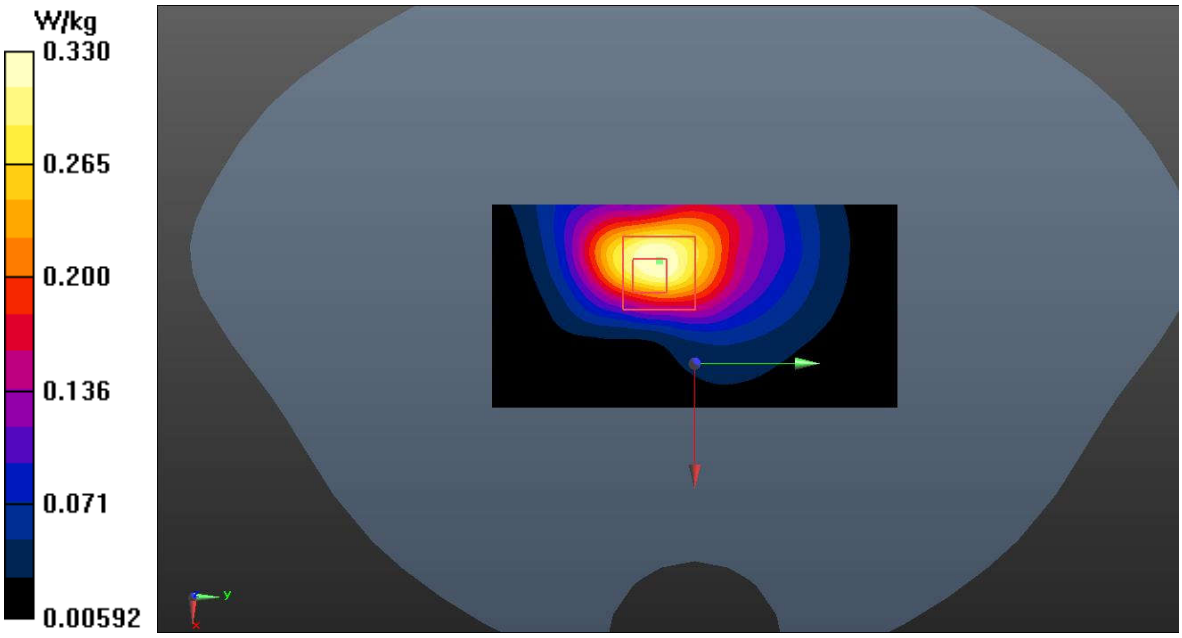


Fig.3 GSM850 Body

GSM1900 Head
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.59 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.356 W/kg
Maximum value of SAR (measured) = 0.952 W/kg

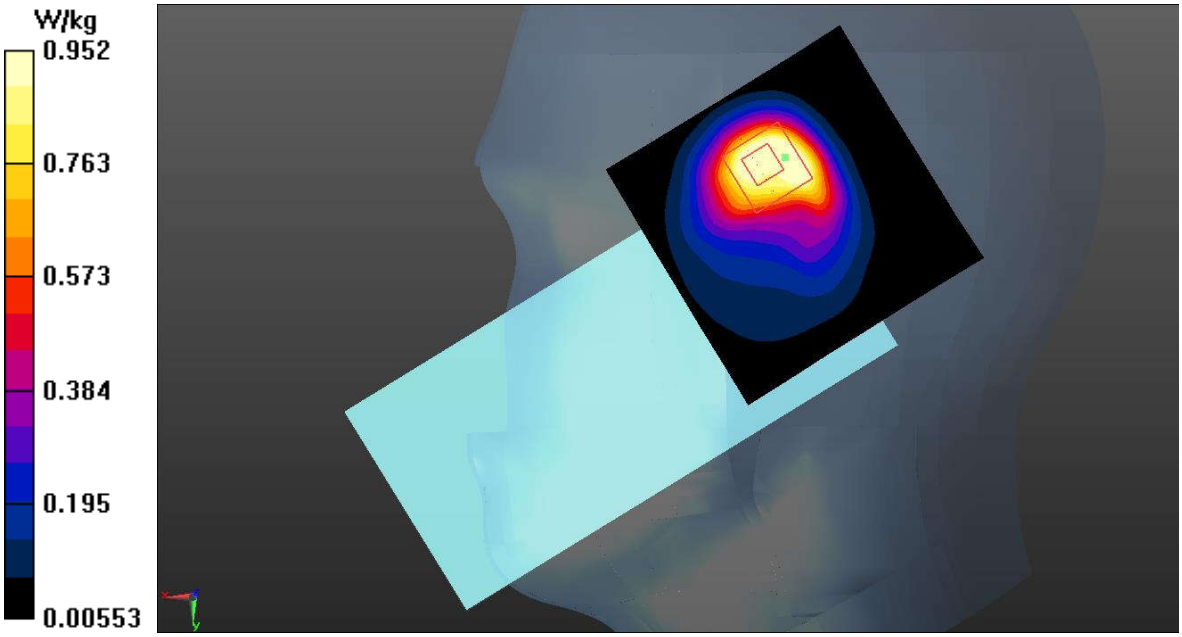


Fig.4 GSM1900 Head

GSM1900 Body-Open
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, 4 slot GPRS (0) Frequency: 1880 MHz Duty Cycle: 1:2
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek Middle/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.762 W/kg

Top Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.63 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.923 W/kg
SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.302 W/kg
Maximum value of SAR (measured) = 0.600 W/kg

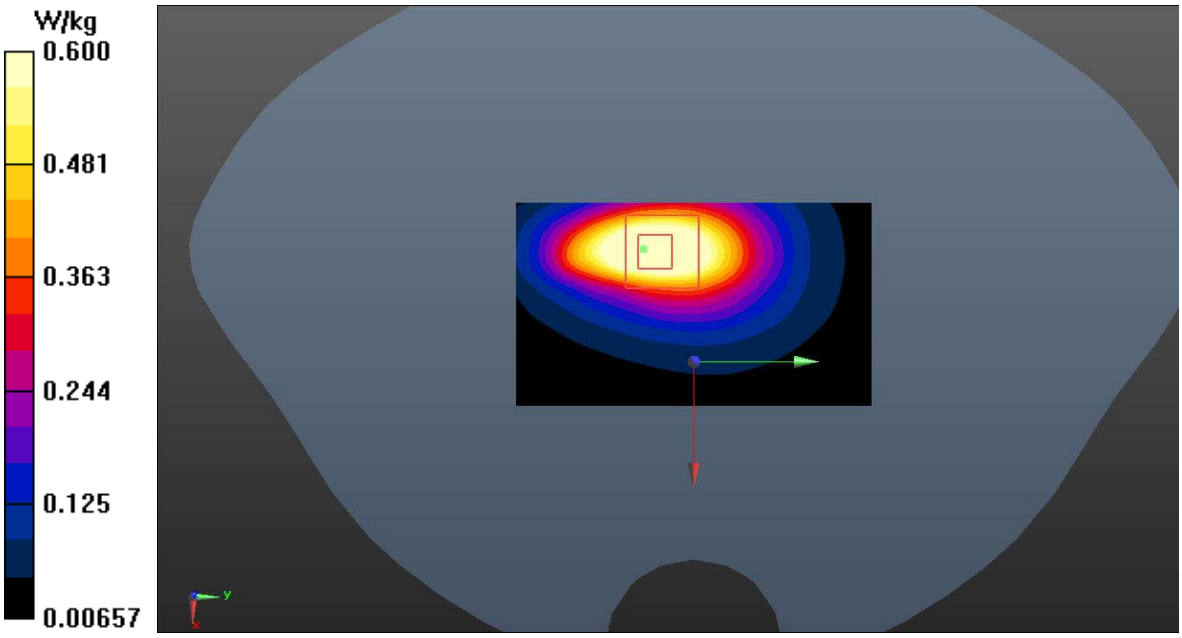


Fig.5 GSM1900 Body

GSM1900 Body-Close
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, 4 slot GPRS (0) Frequency: 1880 MHz Duty Cycle: 1:2
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek Middle/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.580 W/kg

Top Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.617 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.457 W/kg

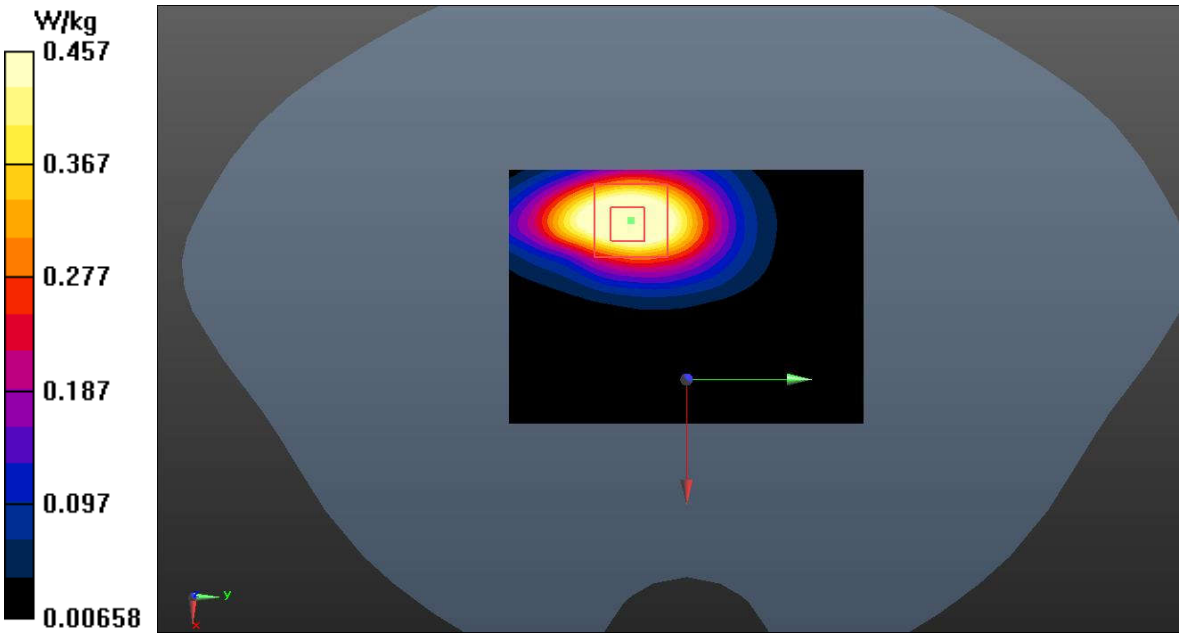


Fig.6 GSM1900 Body

WCDMA Band 2 Head
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.931 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.95 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.944 W/kg

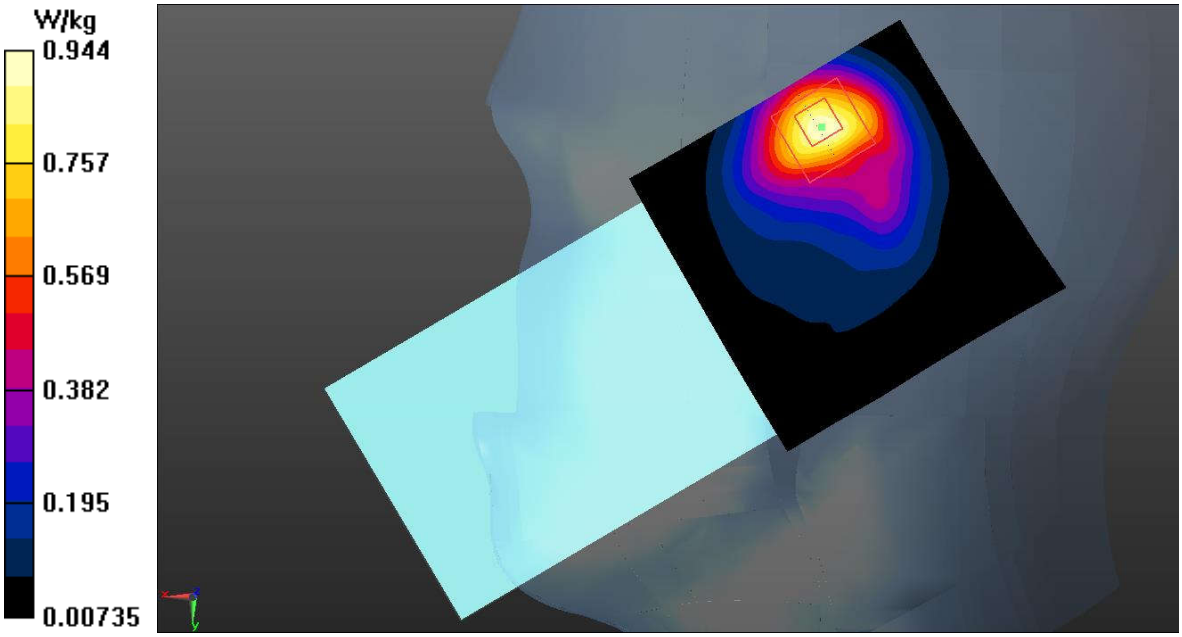


Fig.7 WCDMA Band 2 Head

WCDMA Band 2 Body-Open
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek Middle/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.869 W/kg

Top Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.46 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.690 W/kg

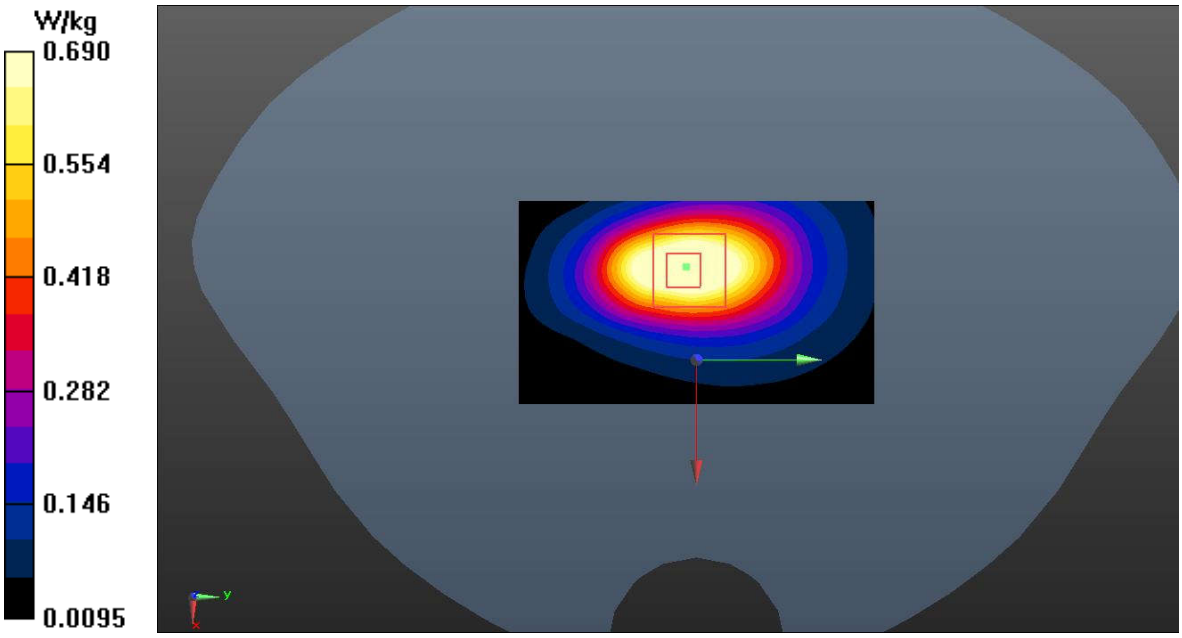


Fig.8 WCDMA Band 2 Body

WCDMA Band 2 Body-Close
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.399 S/m; ε_r = 39.287; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Side Middle/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.635 W/kg

Right Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.380 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.684 W/kg

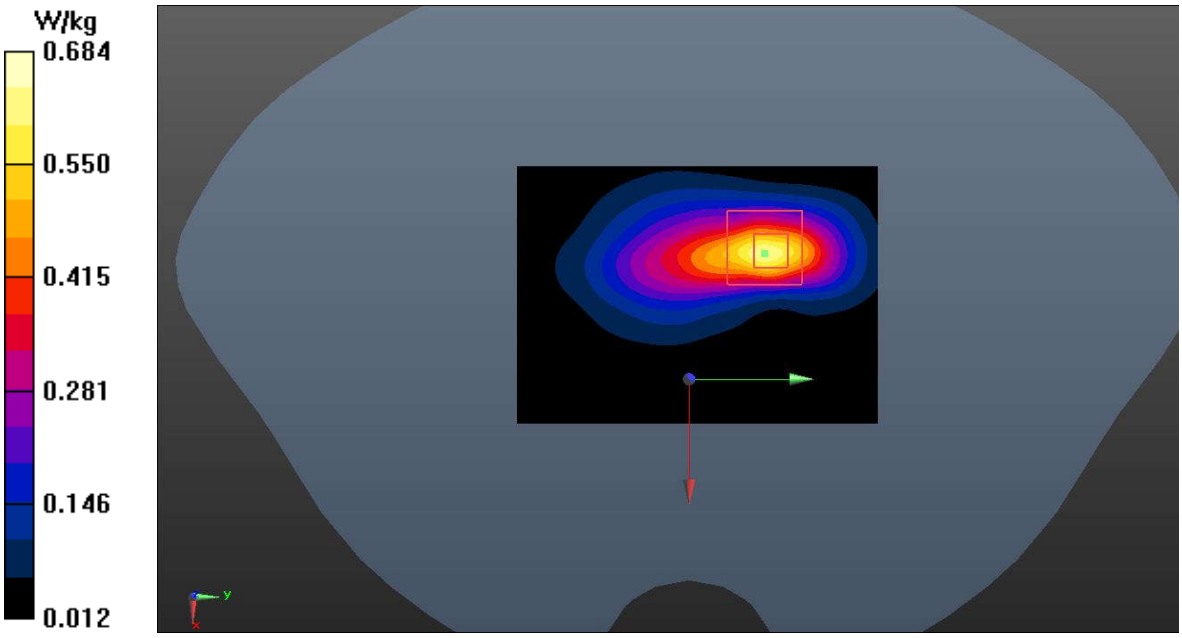


Fig.9 WCDMA Band 2 Body

WCDMA Band 4 Head
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1733 MHz; σ = 1.347 S/m; ε_r = 39.924; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.187 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.142 W/kg
Maximum value of SAR (measured) = 0.381 W/kg

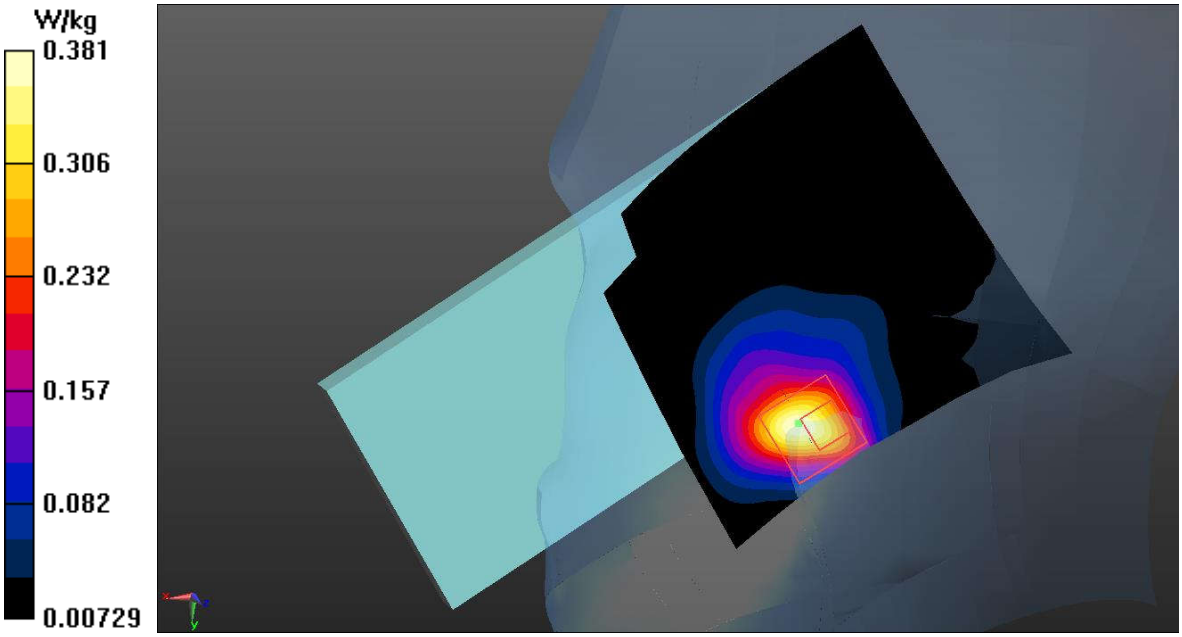


Fig.10 WCDMA Band 4 Head

WCDMA Band 4 Body-Open
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1733 MHz; σ = 1.347 S/m; ε_r = 39.924; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side Middle/Area Scan (41x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.381 W/kg

Right Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.061 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.385 W/kg

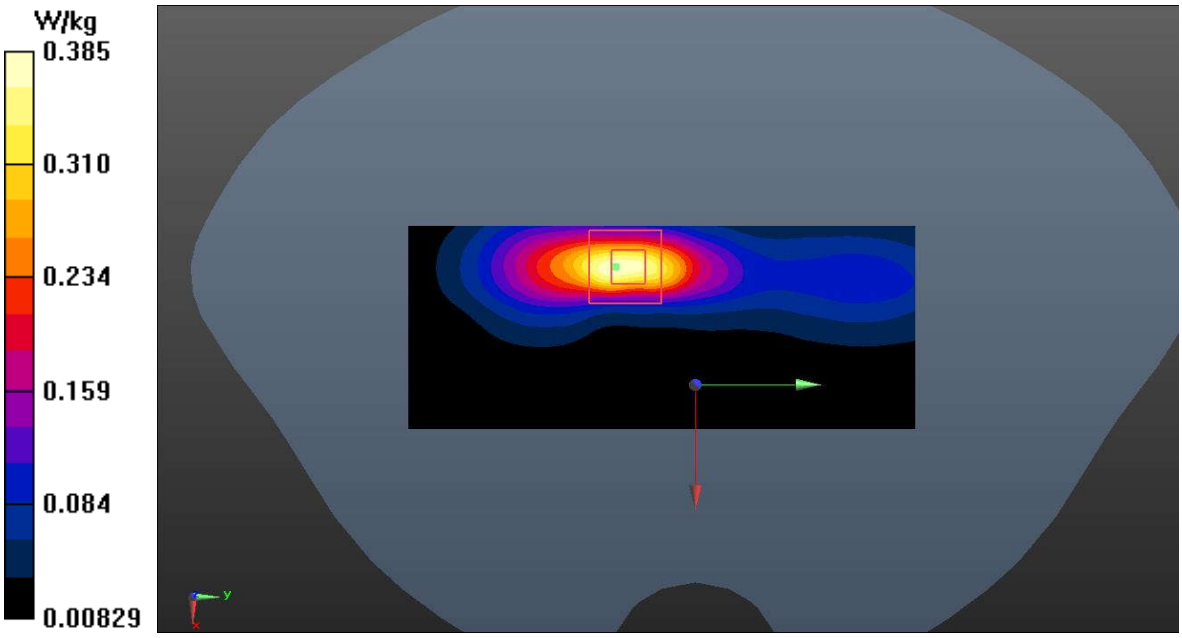


Fig.11 WCDMA Band 4 Body

WCDMA Band 4 Body-Close
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1733 MHz; σ = 1.347 S/m; ε_r = 39.924; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side Middle/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.317 W/kg

Right Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.207 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.327 W/kg

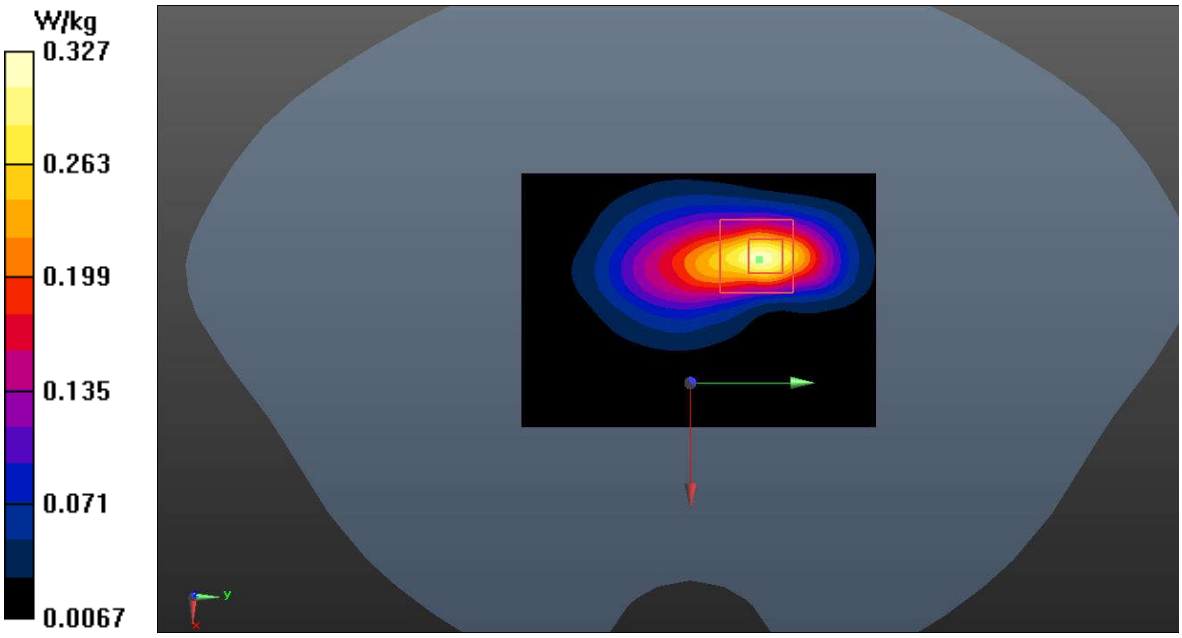


Fig.12 WCDMA Band 4 Body

WCDMA Band 5 Head
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle/Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.397 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.312 W/kg
Maximum value of SAR (measured) = 1.13 W/kg

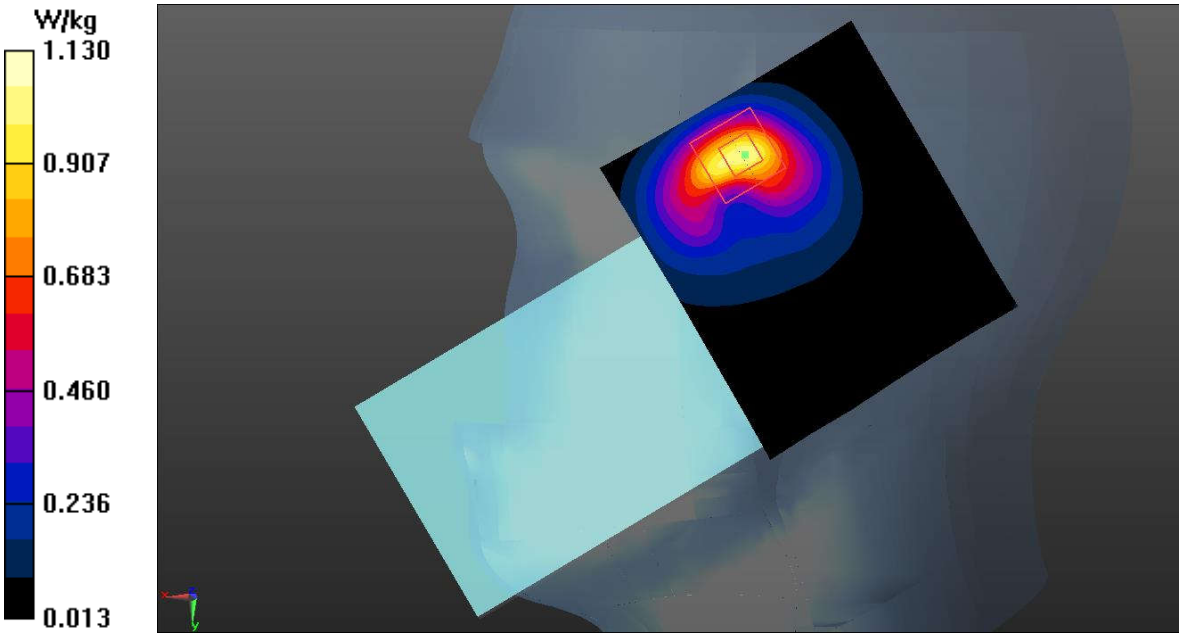


Fig.13 WCDMA Band 5 Head

WCDMA Band 5 Body-Open
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left side Middle/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Left side Middle /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.98 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.408 W/kg
Maximum value of SAR (measured) = 0.940 W/kg

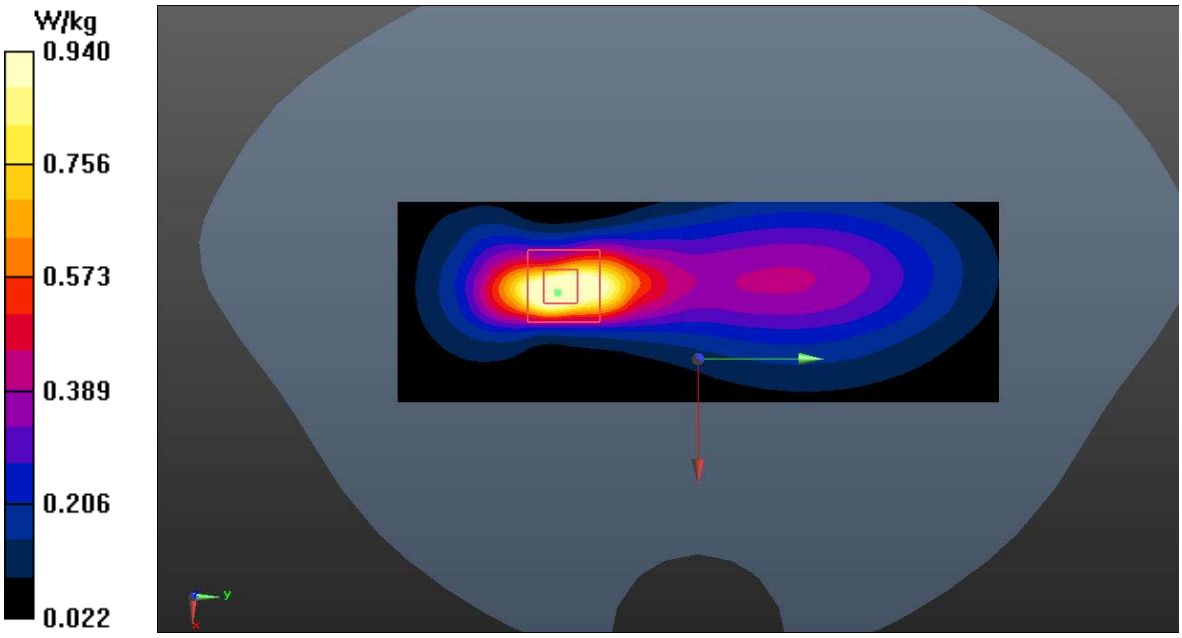


Fig.14 WCDMA Band 5 Body

WCDMA Band 5 Body-Close
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.911 S/m; ε_r = 40.733; ρ = 1000 kg/m^3
Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left side Middle/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Left side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.74 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.757 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.163 W/kg
Maximum value of SAR (measured) = 0.414 W/kg

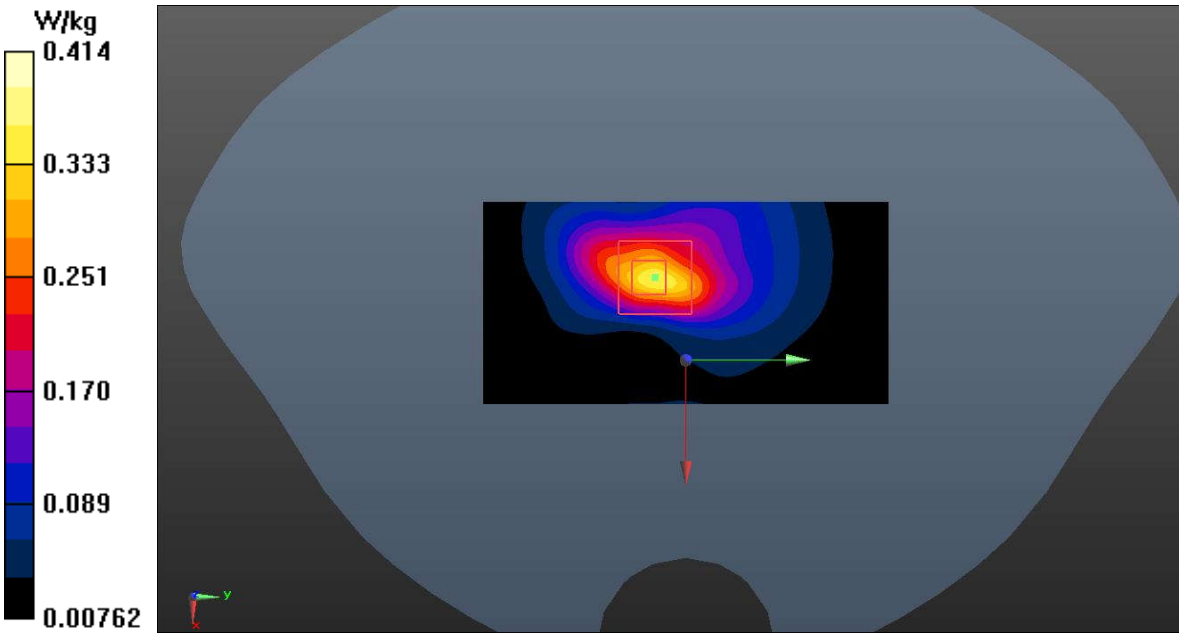


Fig.15 WCDMA Band 5 Body

LTE Band 2 Head
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.417 S/m; ε_r = 39.209; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek High 100RB/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Right Cheek High 100RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.05 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.388 W/kg
Maximum value of SAR (measured) = 1.10 W/kg

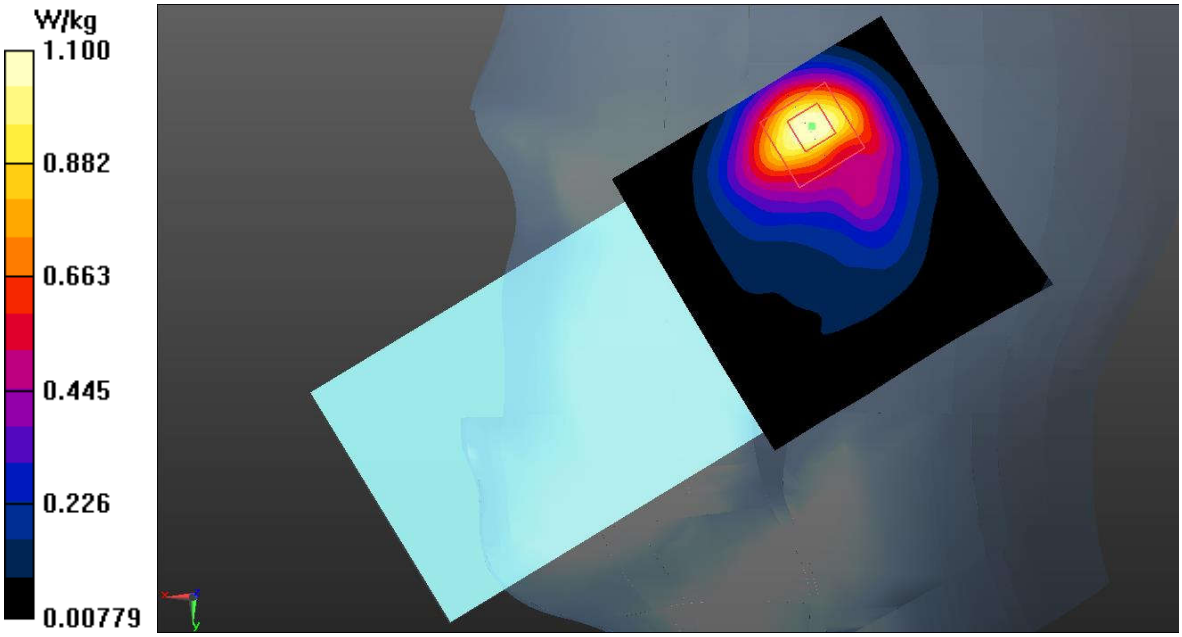


Fig.16 LTE Band 2 Head

LTE Band 2 Body-Open
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.417 S/m; ε_r = 39.209; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek High 50RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.942 W/kg

Top Cheek High 50RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.01 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.360 W/kg
Maximum value of SAR (measured) = 0.722 W/kg

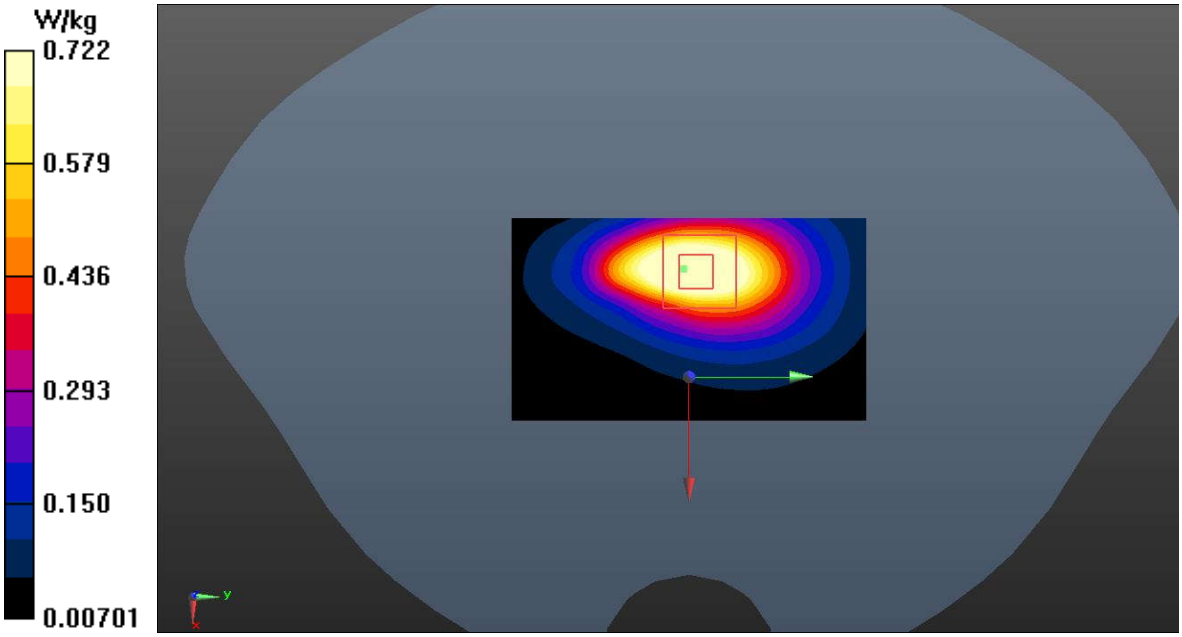


Fig.17 LTE Band 2 Body

LTE Band 2 Body-Close
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.417 S/m; ε_r = 39.209; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek High 50RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.660 W/kg

Top Cheek High 50RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.80 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.774 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.253 W/kg
Maximum value of SAR (measured) = 0.512 W/kg

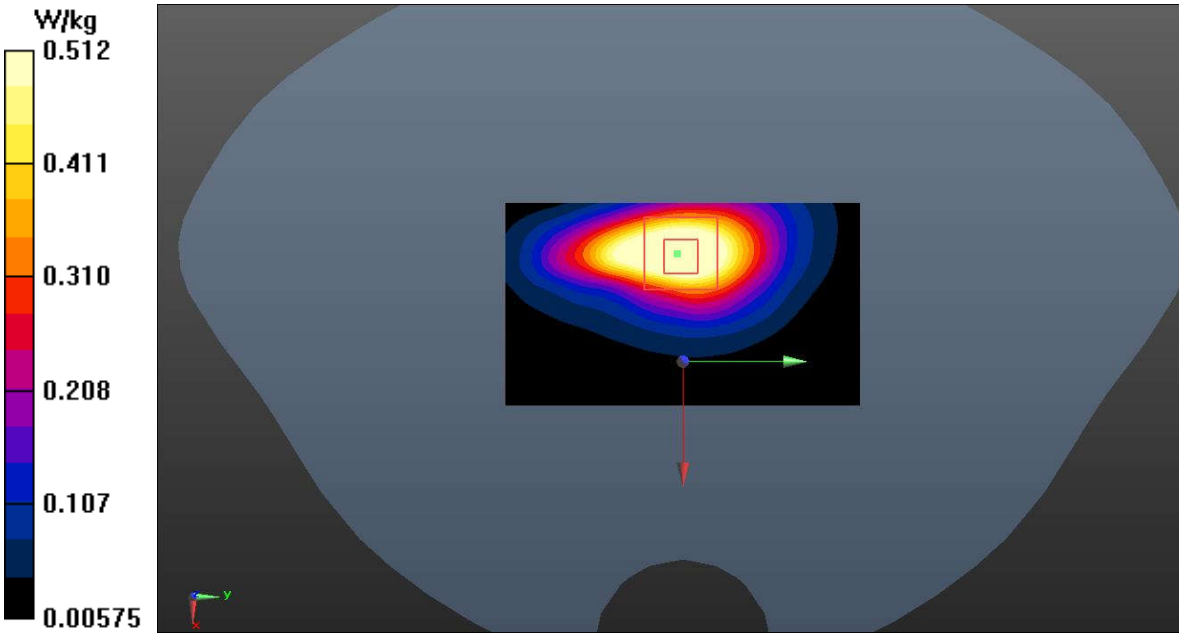


Fig.18 LTE Band 2 Body

LTE Band 4 Head
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.347 S/m; ε_r = 39.926; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1732.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle 1RB0/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.413 W/kg

Right Cheek Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.356 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.552 W/kg
SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.411 W/kg

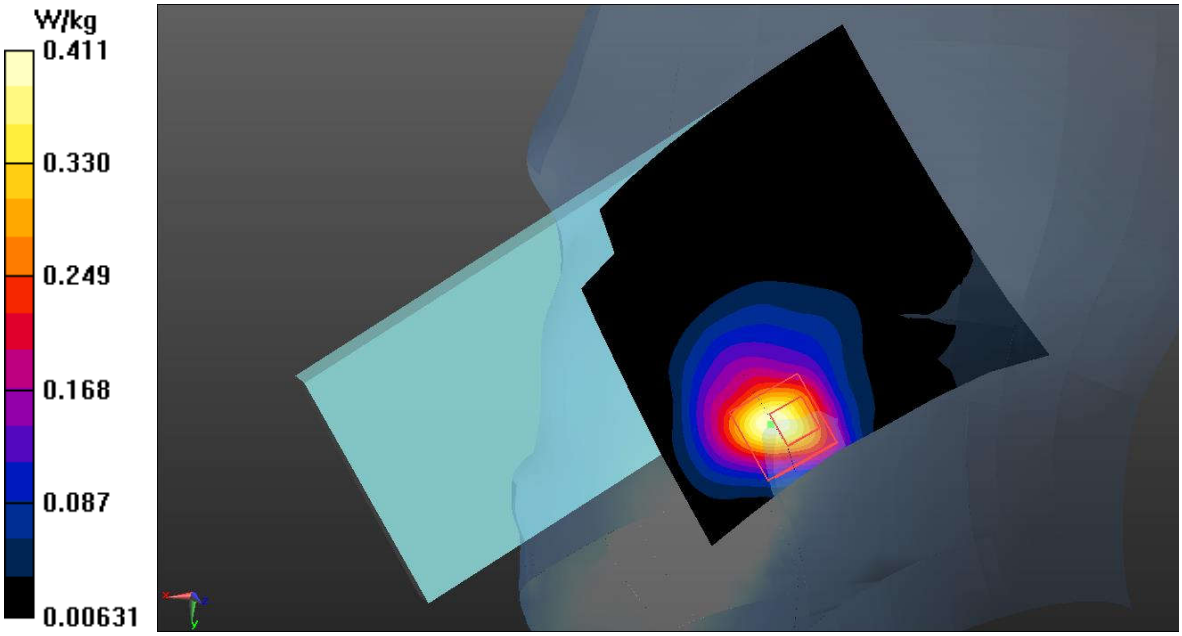


Fig.19 LTE Band 4 Head

LTE Band 4 Body-Open
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.358 S/m; ε_r = 39.878; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side High 1RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.412 W/kg

Right Side High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.163 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.422 W/kg

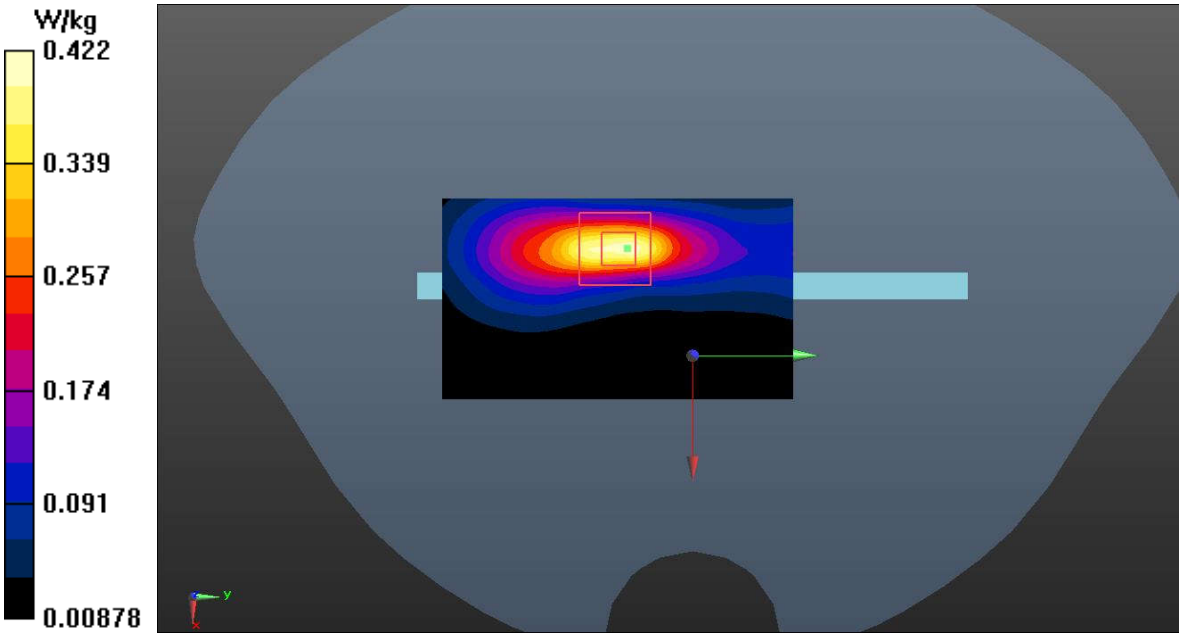


Fig.20 LTE Band 4 Body

LTE Band 4 Body-Close
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.358 S/m; ε_r = 39.878; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side High 1RB0/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

Right Side High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.331 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.137 W/kg
Maximum value of SAR (measured) = 0.382 W/kg

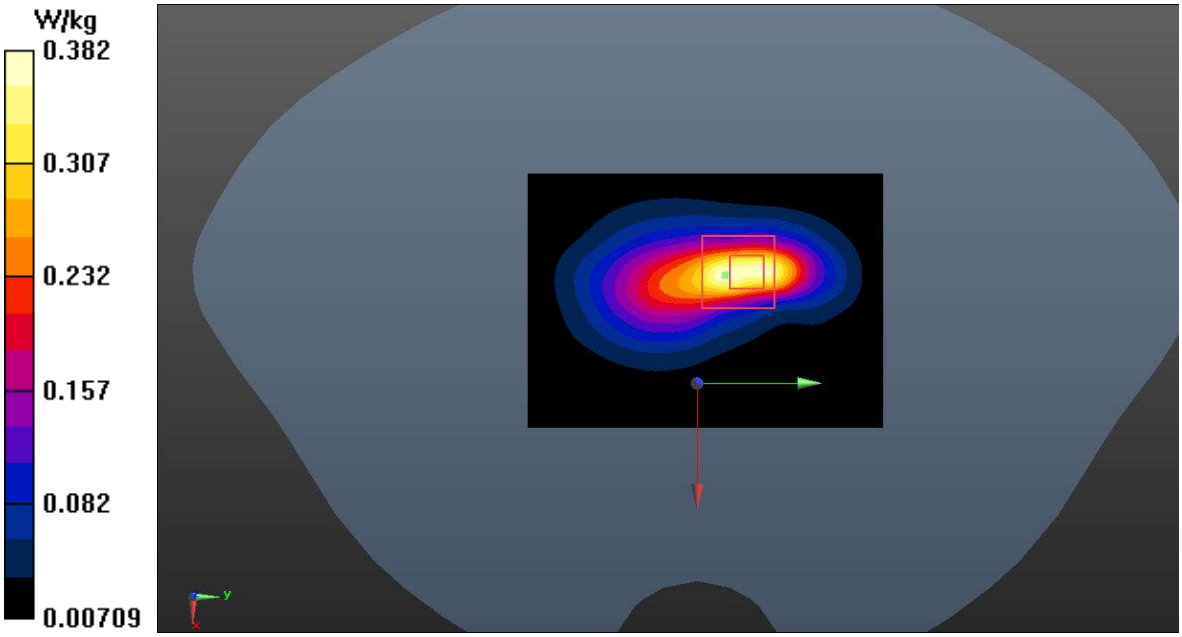


Fig.21 LTE Band 4 Body

LTE Band 5 Head
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 829 MHz; σ = 0.905 S/m; ε_r = 40.824; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 829 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle 1RB24/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.829 W/kg

Right Cheek Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.53 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.950 W/kg

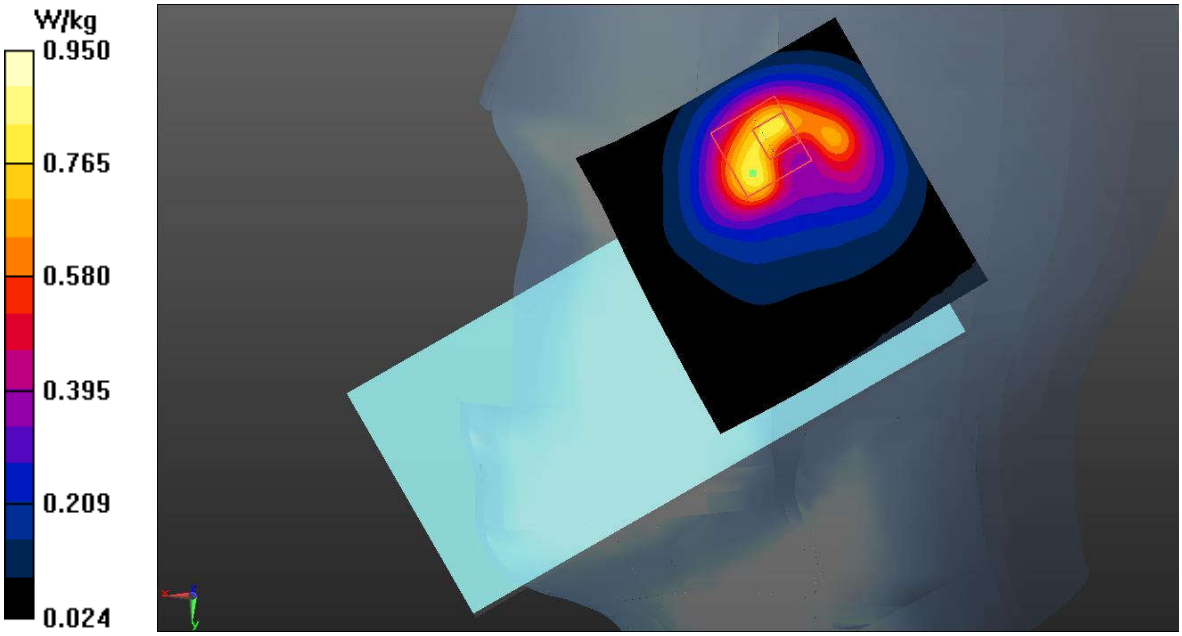


Fig.22 LTE Band 5 Head

LTE Band 5 Body-Open
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 829 MHz; σ = 0.905 S/m; ε_r = 40.824; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 829 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Side Low 1RB24/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.855 W/kg

Left Side Low 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.29 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 0.878 W/kg

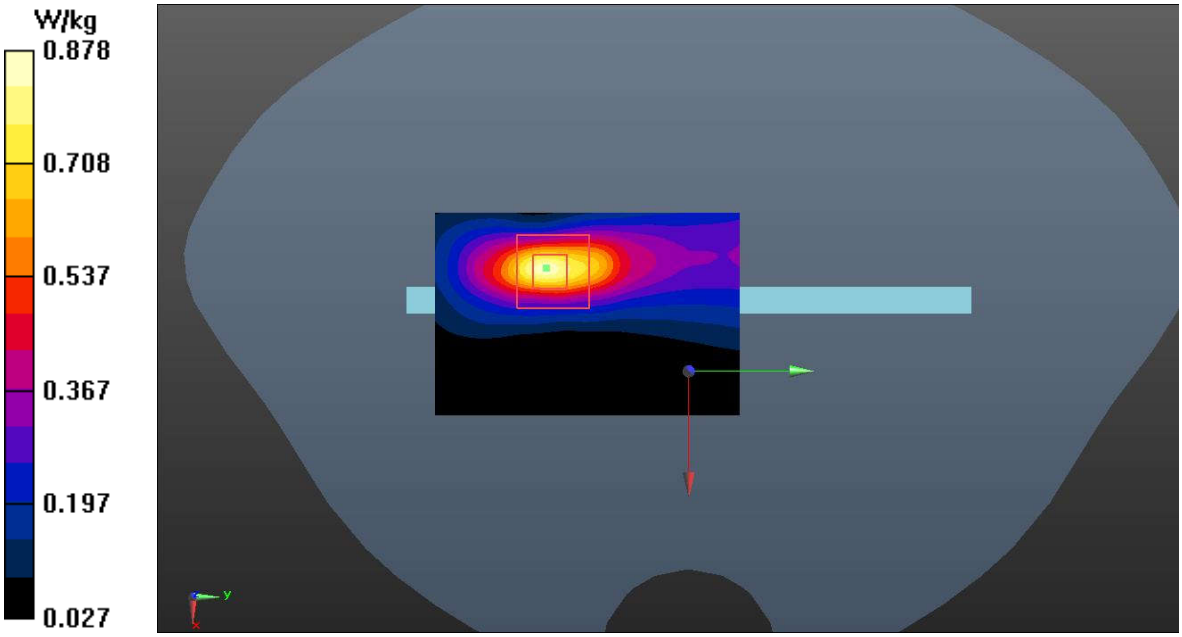


Fig.23 LTE Band 5 Body

LTE Band 5 Body-Close
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 829 MHz; σ = 0.905 S/m; ε_r = 40.824; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 829 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Side Low 1RB24/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.302 W/kg

Left Side Low 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.119 W/kg
Maximum value of SAR (measured) = 0.309 W/kg

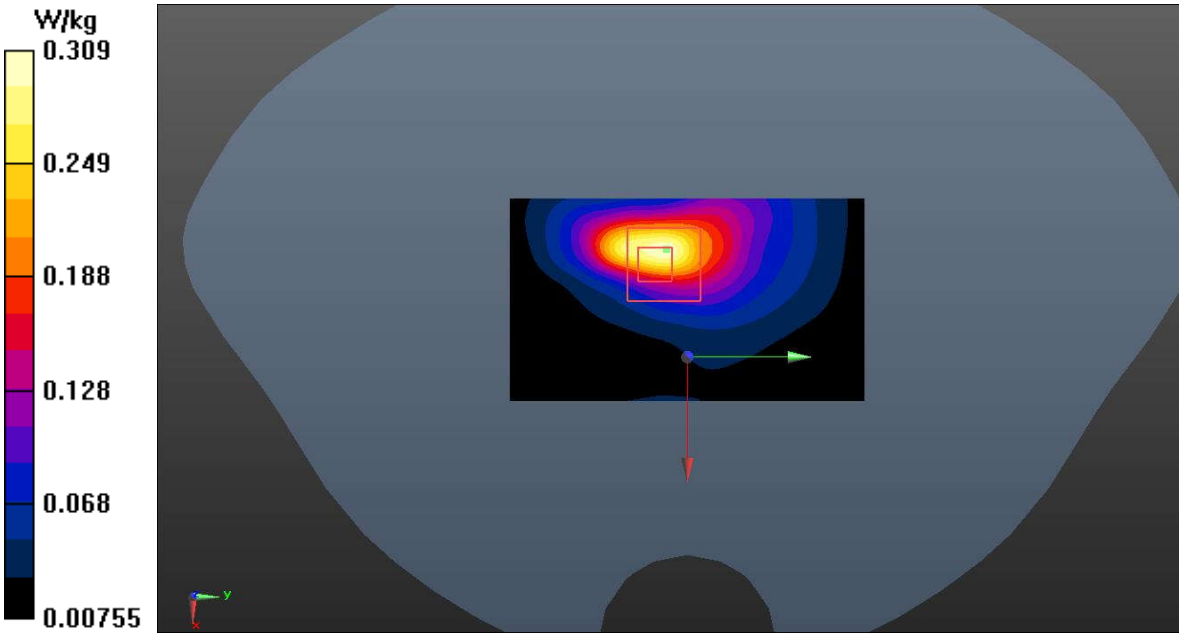


Fig.24 LTE Band 5 Body

LTE Band 7 Head
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2510 MHz; σ = 1.842 S/m; ε_r = 39.689; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Low 50RB50/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.46 W/kg

Right Cheek Low 50RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.82 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 1.24 W/kg

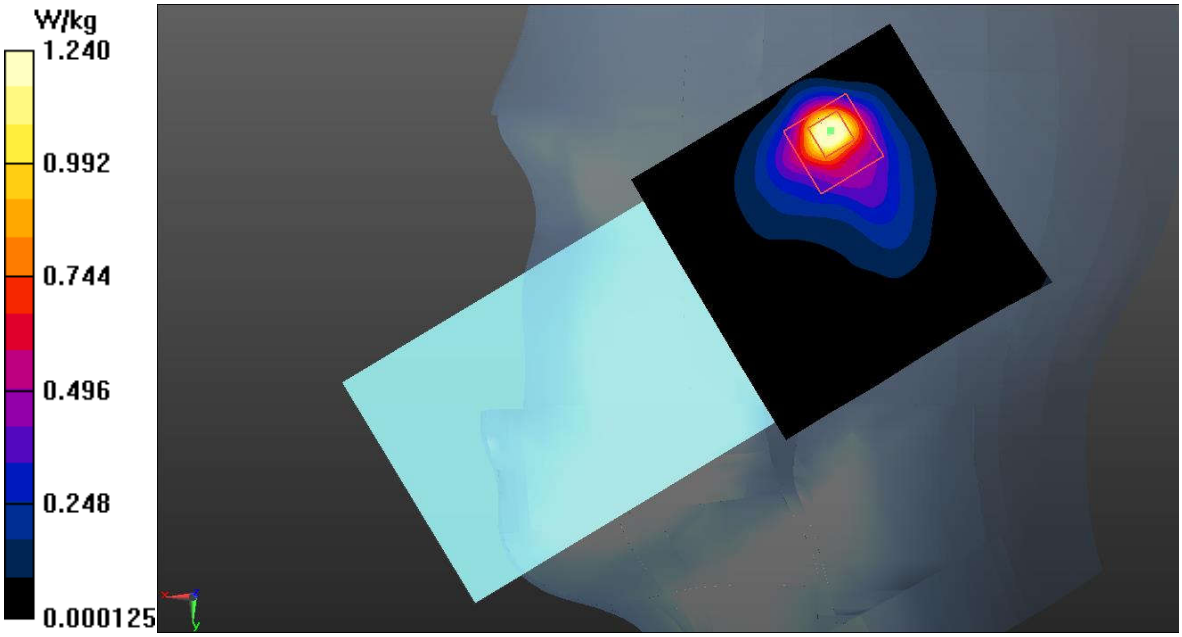


Fig.25 LTE Band 7 Head

LTE Band 7 Body-Open
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2510 MHz; σ = 1.842 S/m; ε_r = 39.689; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Front Cheek Low 50RB50/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.683 W/kg

Front Cheek Low 50RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.189 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.995 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 0.523 W/kg

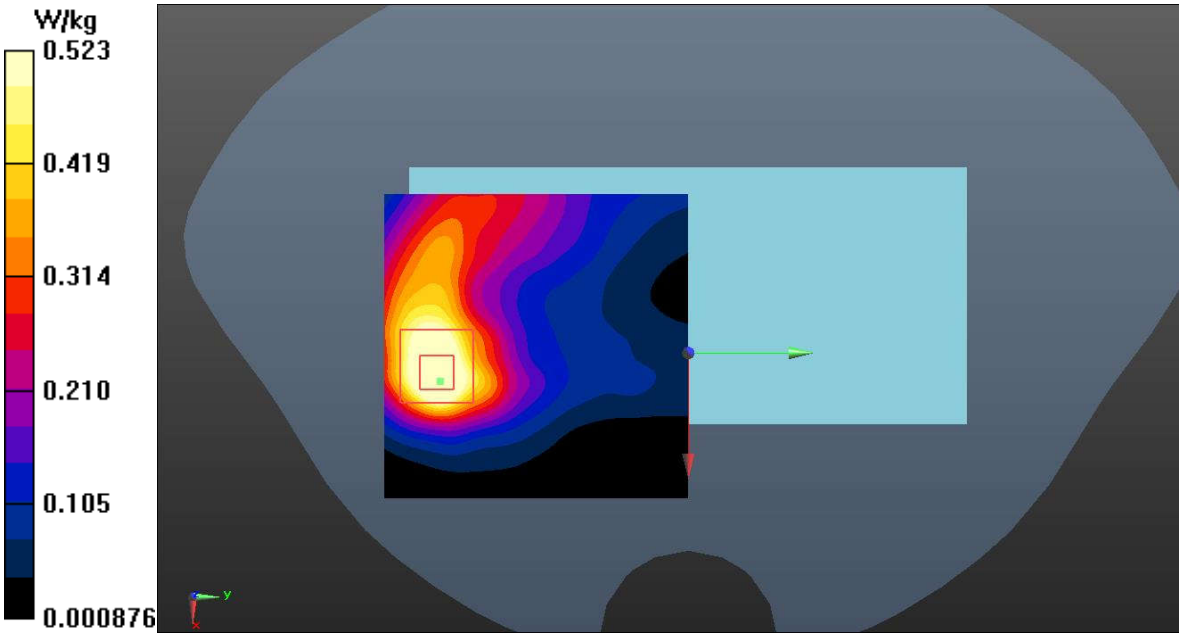


Fig.26 LTE Band 7 Body

LTE Band 7 Body-Close
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2510 MHz; σ = 1.842 S/m; ε_r = 39.689; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Side Low 50RB50/Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.496 W/kg

Right Side Low 50RB50/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.467 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.667 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.151 W/kg
Maximum value of SAR (measured) = 0.497 W/kg

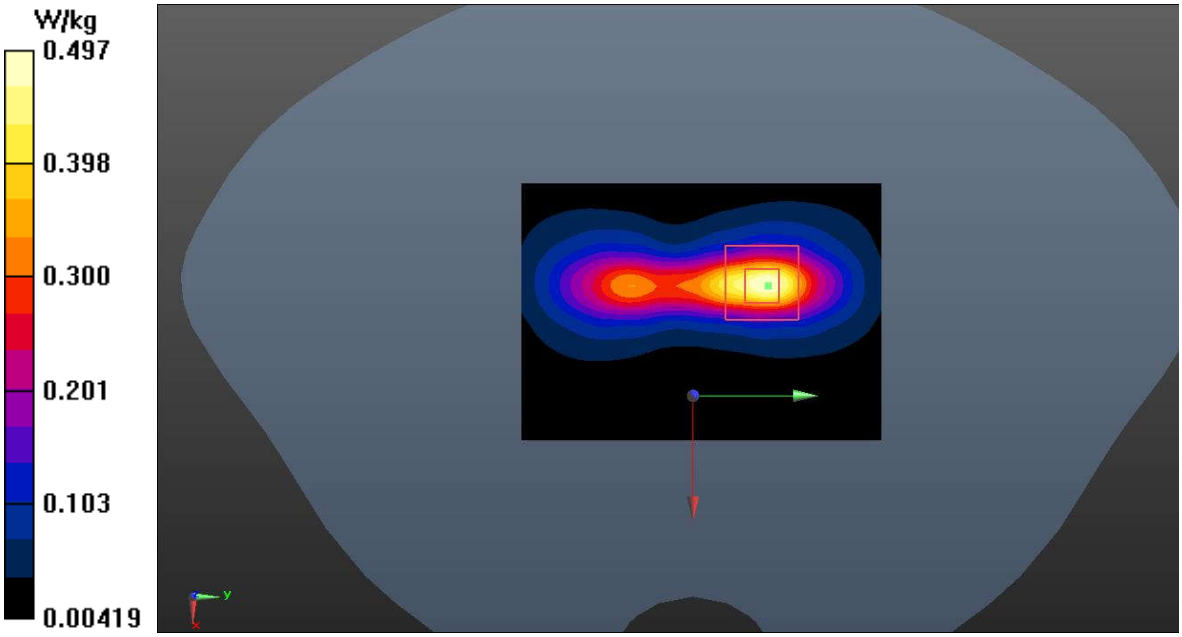


Fig.27 LTE Band 7 Body

LTE Band 12 Head
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 704 MHz; σ = 0.87 S/m; ε_r = 41.777; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 704 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB49/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.685 W/kg

Right Cheek Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.297 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.239 W/kg
Maximum value of SAR (measured) = 0.882 W/kg

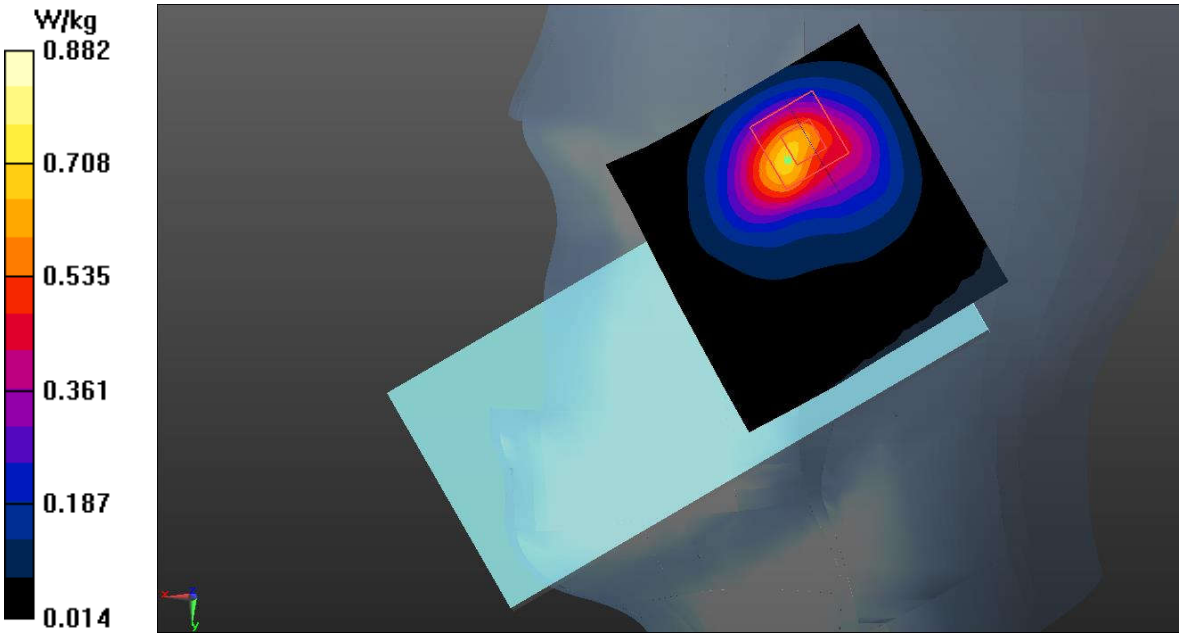


Fig.28 LTE Band 12 Head

LTE Band 12 Body-Open
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 704 MHz; σ = 0.87 S/m; ε_r = 41.777; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 704 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Side Low 1RB49/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.586 W/kg

Left Side Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.91 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.229 W/kg
Maximum value of SAR (measured) = 0.571 W/kg

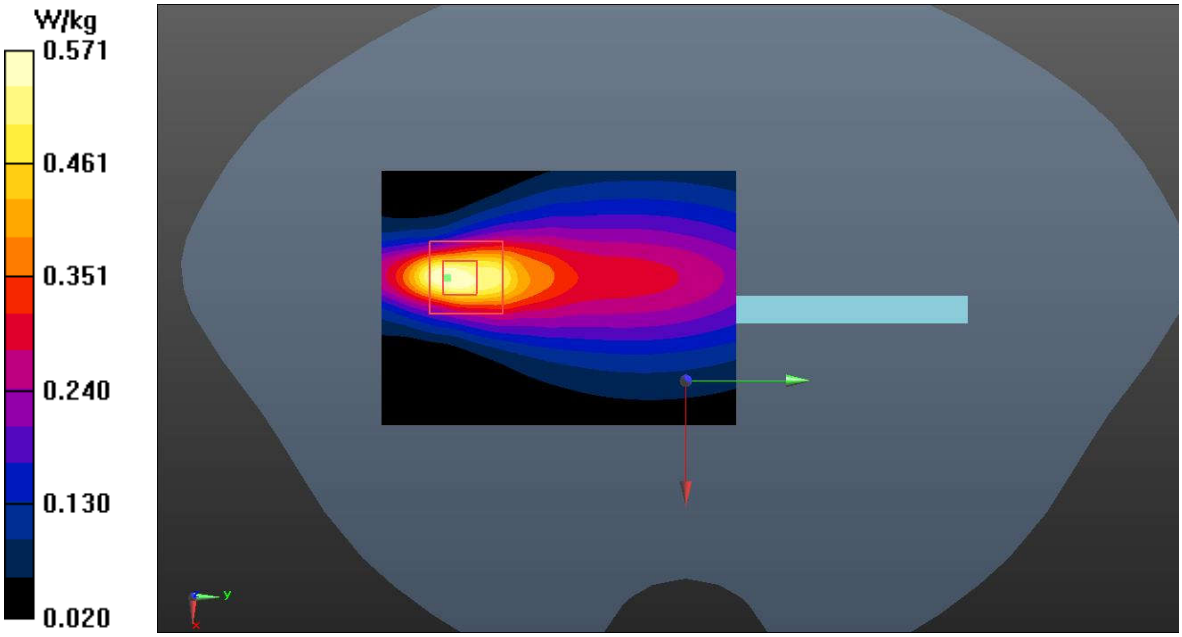


Fig.29 LTE Band 12 Body

LTE Band 12 Body-Close
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used (interpolated): f = 711 MHz; σ = 0.874 S/m; ε_r = 41.693; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 711 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Front Side High 1RB49/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.355 W/kg

Front Side High 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.85 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.480 W/kg
SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.163 W/kg
Maximum value of SAR (measured) = 0.364 W/kg

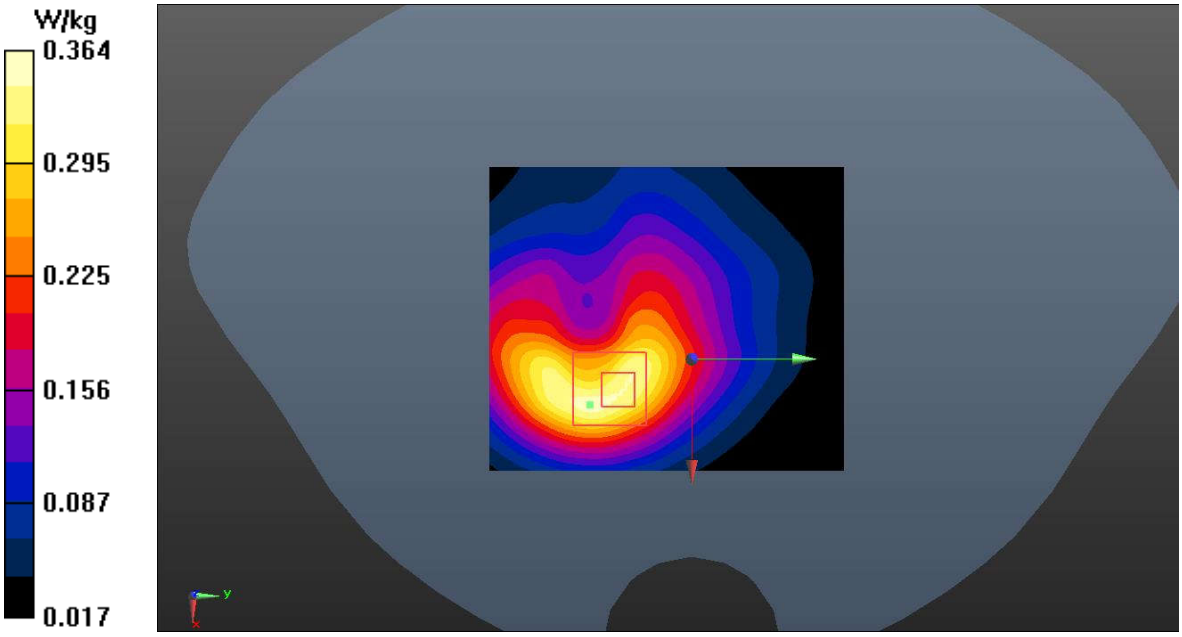


Fig.30 LTE Band 12 Body

LTE Band 25 Head
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.398 S/m; ε_r = 38.936; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Low 1RB50/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.759 W/kg

Right Cheek Low 1RB50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.11 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 0.747 W/kg

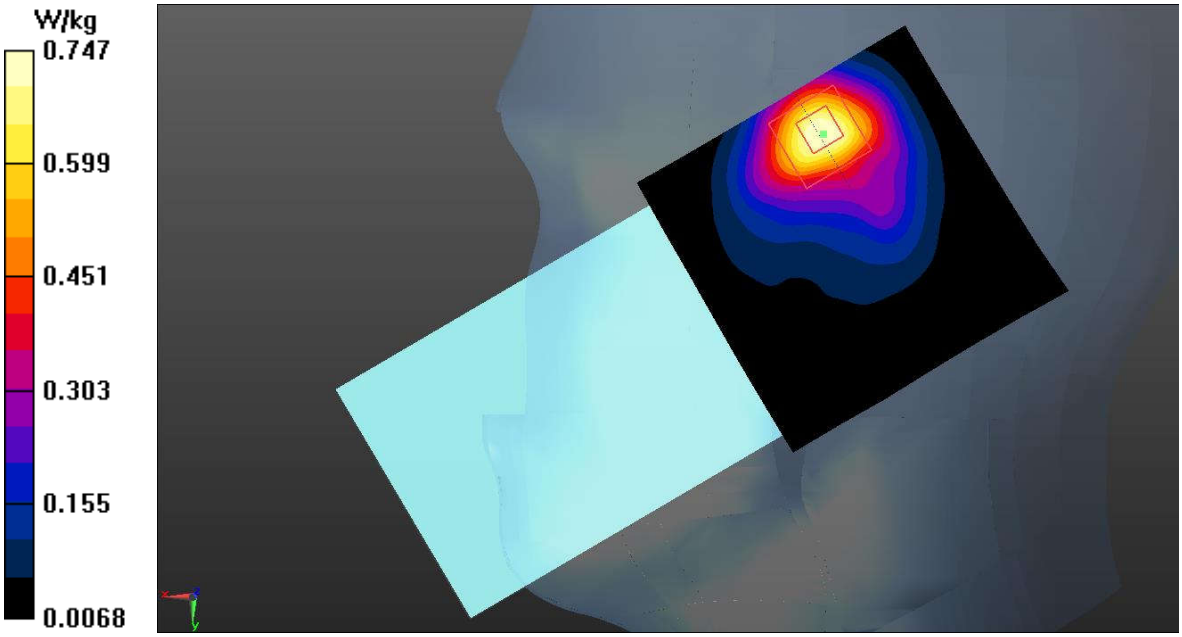


Fig.31 LTE Band 25 Head

LTE Band 25 Body-Open
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.398 S/m; ε_r = 38.936; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek Low 50RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.713 W/kg

Top Cheek Low 50RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.45 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.272 W/kg
Maximum value of SAR (measured) = 0.547 W/kg

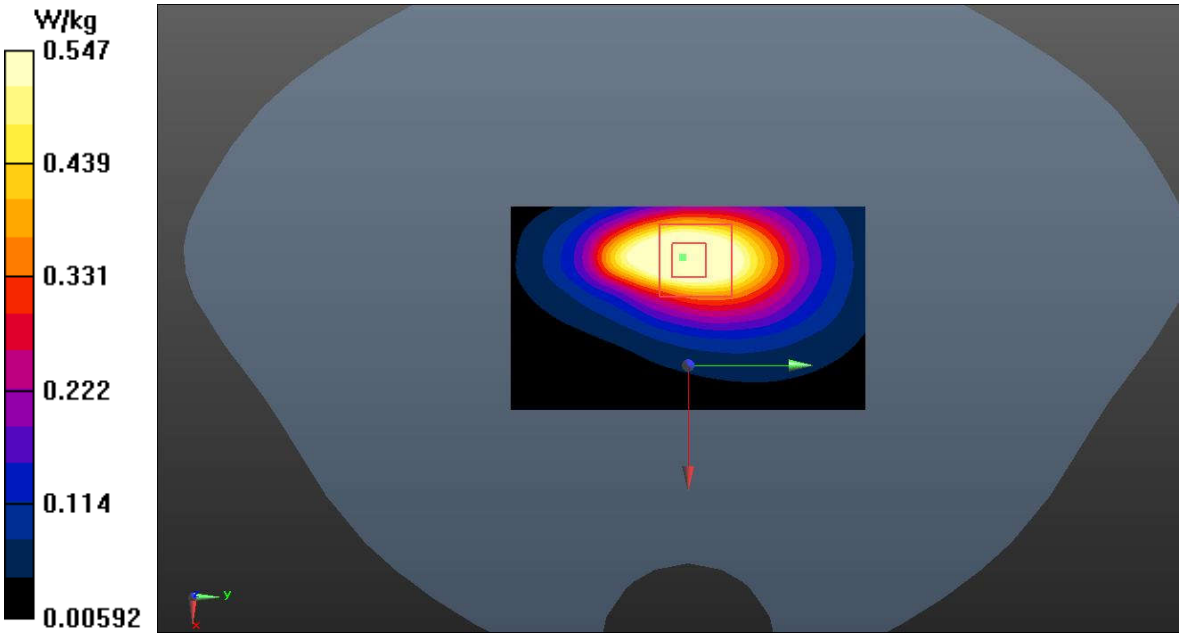


Fig.32 LTE Band 25 Body

LTE Band 25 Body-Close
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1860 MHz; σ = 1.398 S/m; ε_r = 38.936; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Cheek Low 50RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.610 W/kg

Top Cheek Low 50RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.20 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.725 W/kg
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.479 W/kg

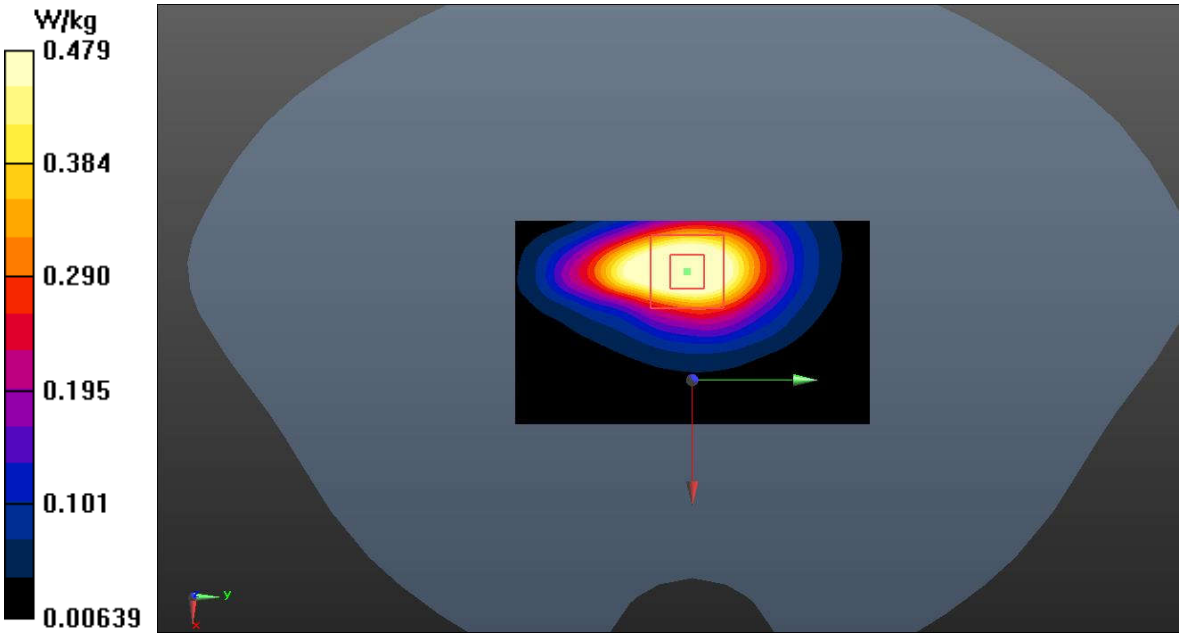


Fig.33 LTE Band 25 Body

LTE Band 26 Head
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 822.5 MHz; σ = 0.871 S/m; ε_r = 42.094; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 822.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB74/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.742 W/kg

Right Cheek Low 1RB74/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.39 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 0.791 W/kg

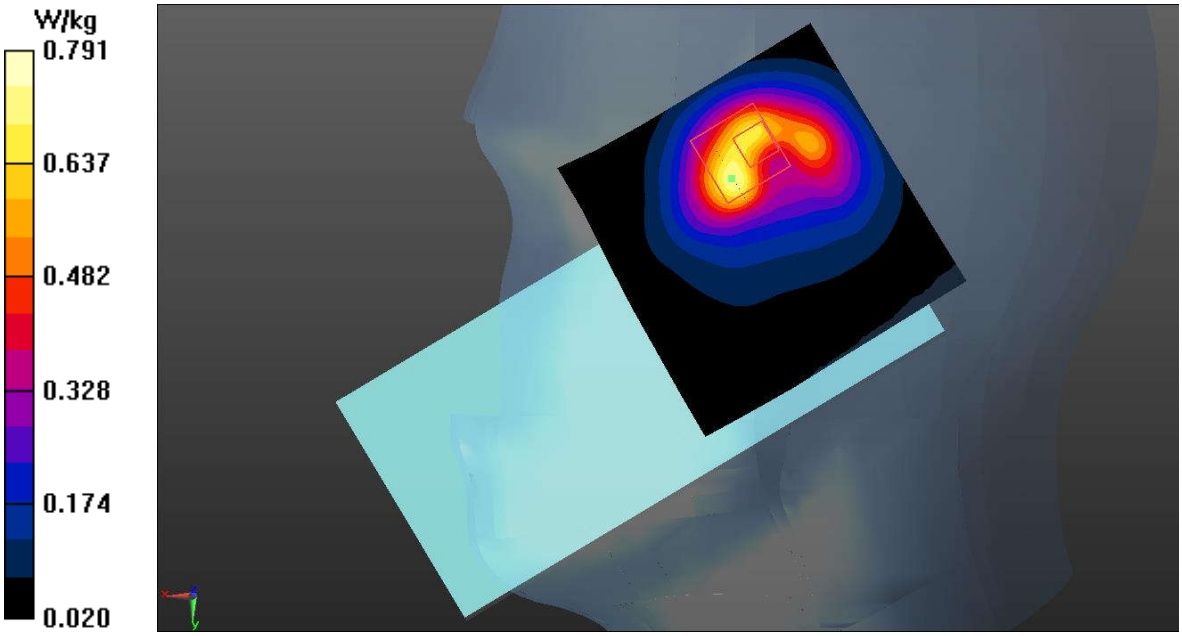


Fig.34 LTE Band 26 Head

LTE Band 26 Body-Open
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 822.5 MHz; σ = 0.871 S/m; ε_r = 42.094; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 822.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Side Low 1RB74/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.842 W/kg

Left Side Low 1RB74/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.33 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.292 W/kg
Maximum value of SAR (measured) = 0.850 W/kg

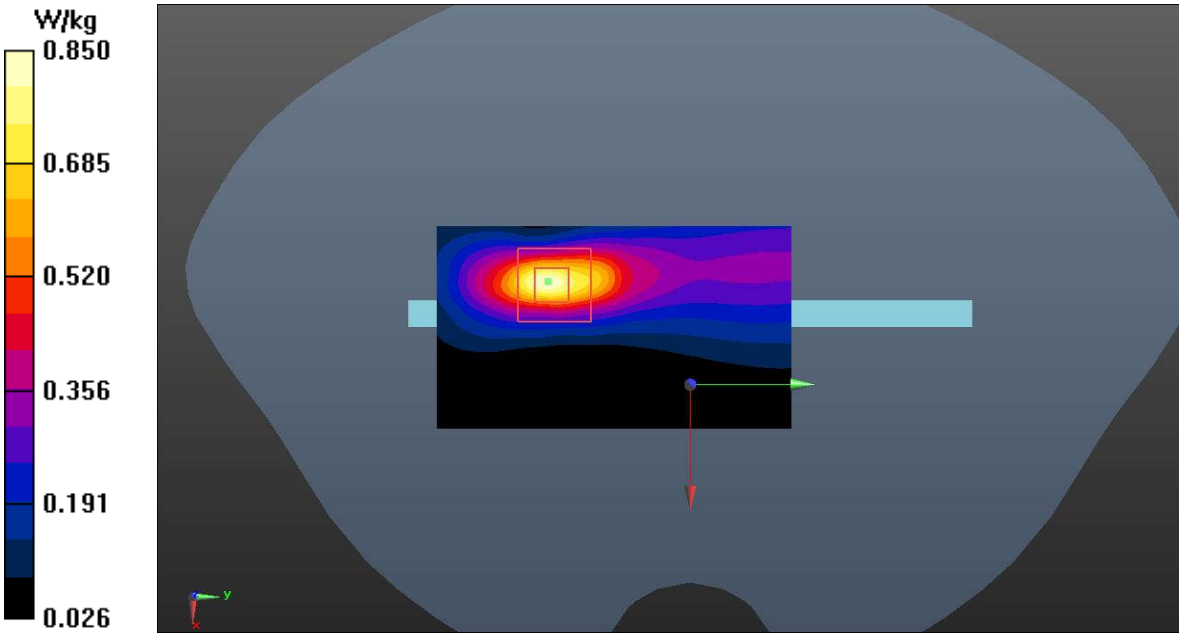


Fig.35 LTE Band 26 Body

LTE Band 26 Body-Close
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 822.5 MHz; σ = 0.871 S/m; ε_r = 42.094; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 822.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Side Low 1RB74/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.199 W/kg

Left Side Low 1RB74/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.79 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.298 W/kg

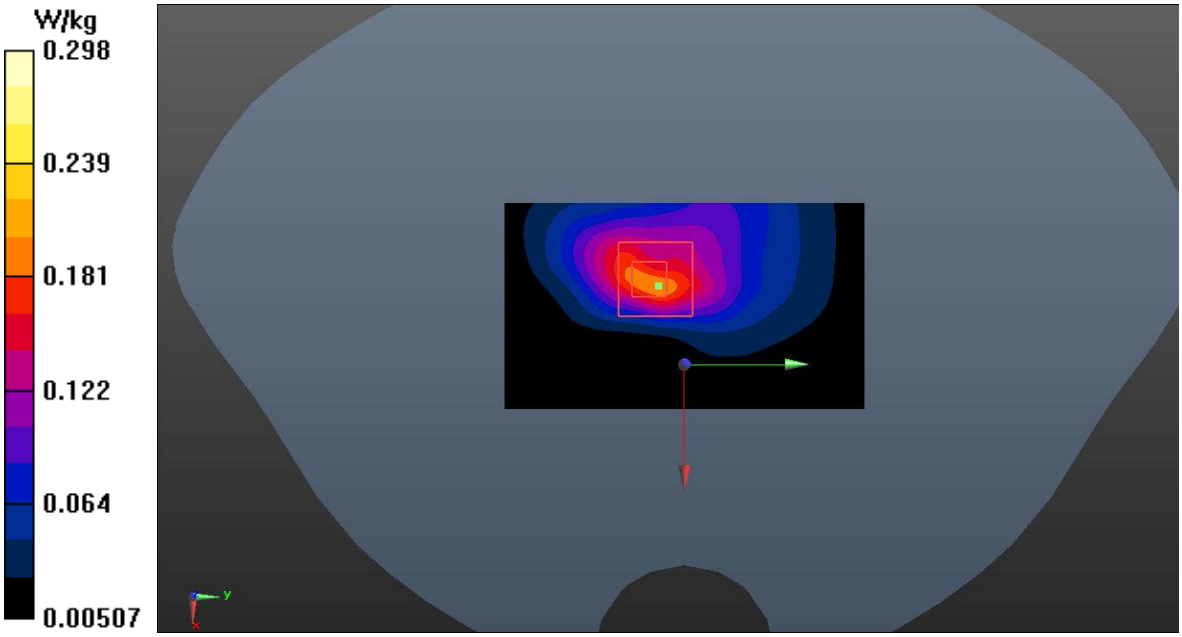


Fig.36 LTE Band 26 Body

LTE Band 38 Head
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2610 MHz; σ = 2.022 S/m; ε_r = 38.467; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2610 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Right Tilt High 50RB25/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Right Tilt High 50RB25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.57 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.325 W/kg
Maximum value of SAR (measured) = 1.26 W/kg

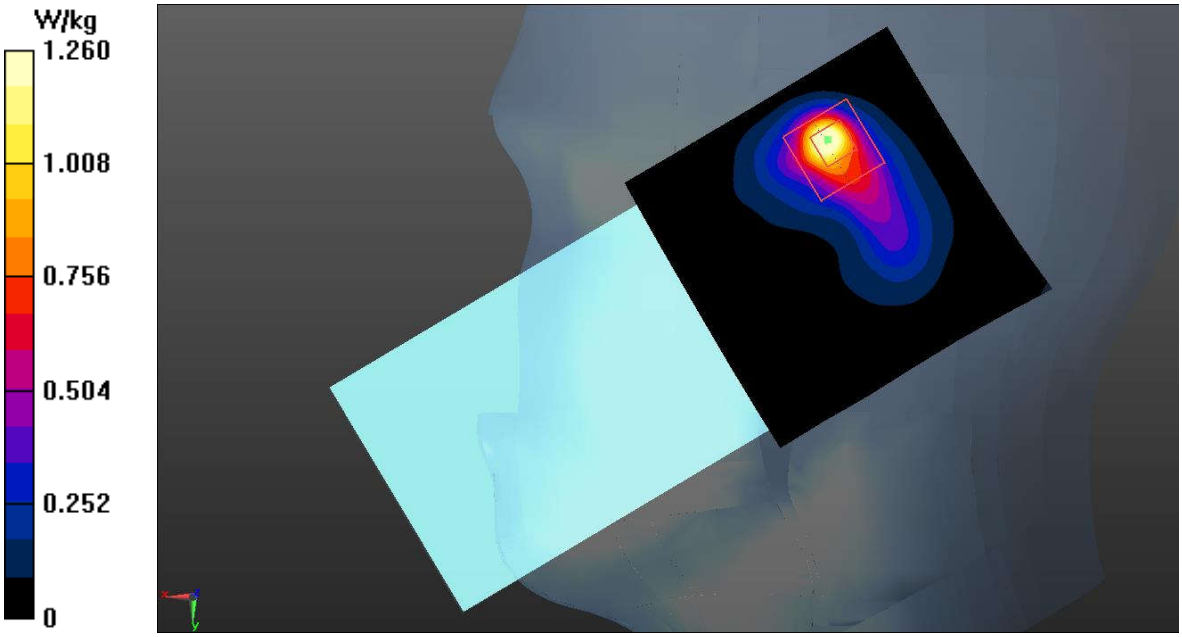


Fig.37 LTE Band 38 Head

LTE Band 38 Body-Open
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2610 MHz; σ = 2.022 S/m; ε_r = 38.467; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2610 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Front Cheek High 1RB99/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.700 W/kg

Front Cheek High 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.528 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (measured) = 0.529 W/kg

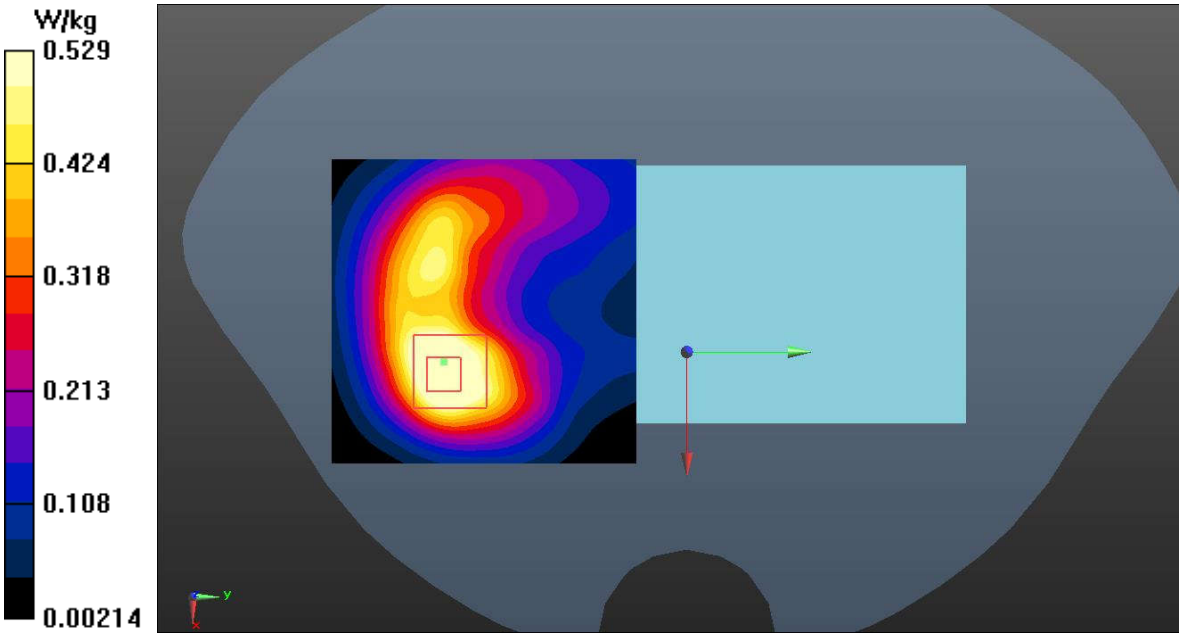


Fig.38 LTE Band 38 Body

LTE Band 38 Body-Close
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2610 MHz; σ = 2.022 S/m; ε_r = 38.467; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2610 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Cheek High 1RB99/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.420 W/kg

Rear Cheek High 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.918 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.582 W/kg
SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.316 W/kg

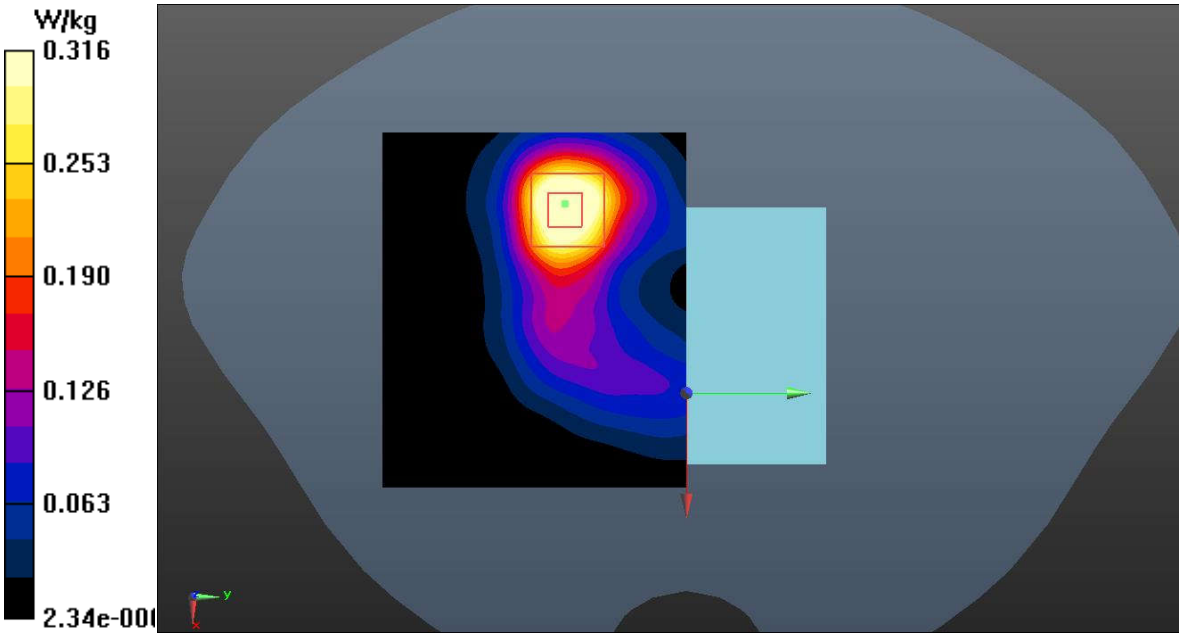


Fig.39 LTE Band 38 Body

LTE Band 41 Head
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2506 MHz; σ = 1.899 S/m; ε_r = 38.81; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2506 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Low 1RB99/Area Scan (101x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.849 W/kg

Right Cheek Low 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.033 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.363 W/kg
Maximum value of SAR (measured) = 1.05 W/kg

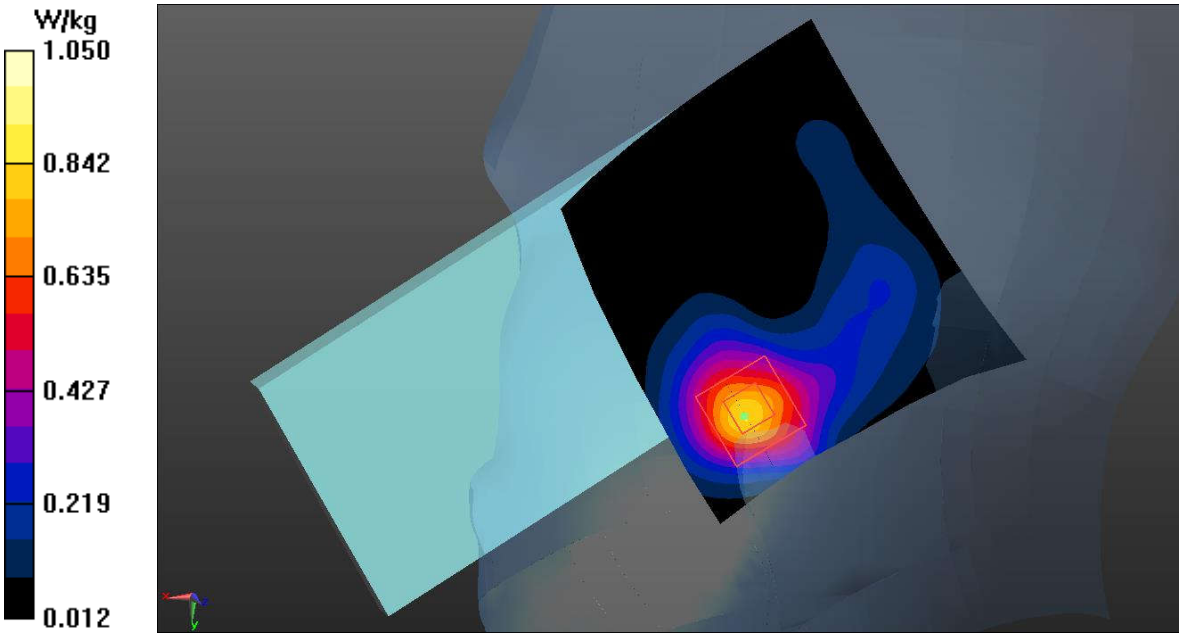


Fig.40 LTE Band 41 Head

LTE Band 41 Body-Open
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2680 MHz; σ = 2.104 S/m; ε_r = 38.236; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2680 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Front Cheek High 50RB0/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.707 W/kg

Front Cheek High 50RB0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.091 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 0.528 W/kg

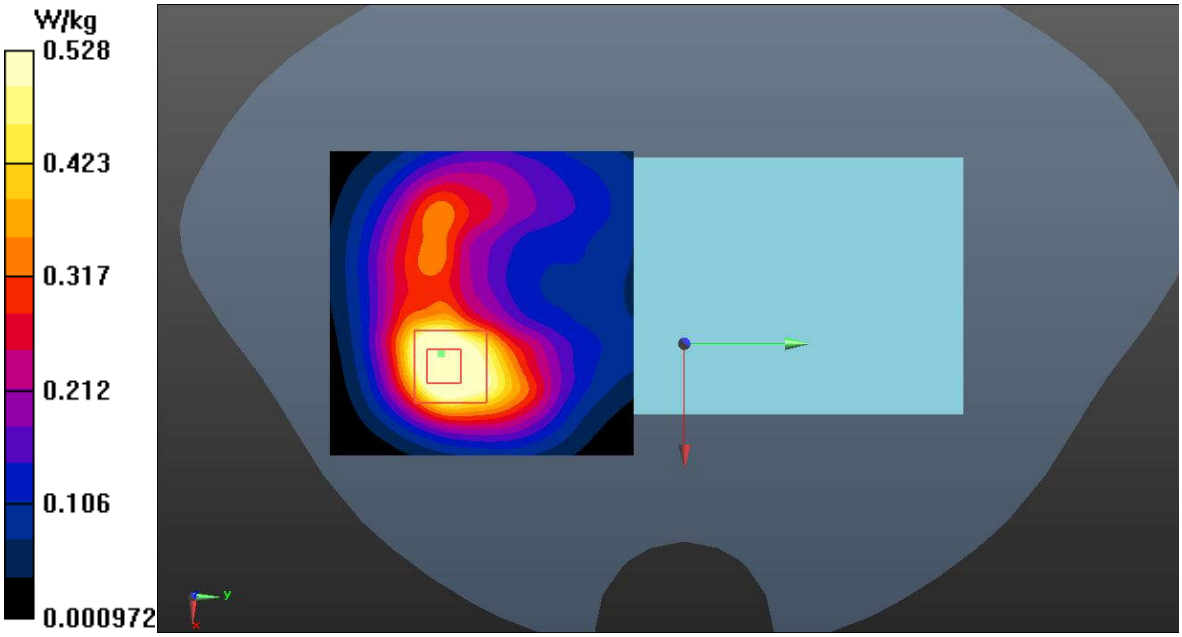


Fig.41 LTE Band 41 Body

LTE Band 41 Body-Close
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2506 MHz; σ = 1.899 S/m; ε_r = 38.81; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_TDD (0) Frequency: 2506 MHz Duty Cycle: 1:1.58
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Side Low 1RB99/Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.429 W/kg

Right Side Low 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.337 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.443 W/kg

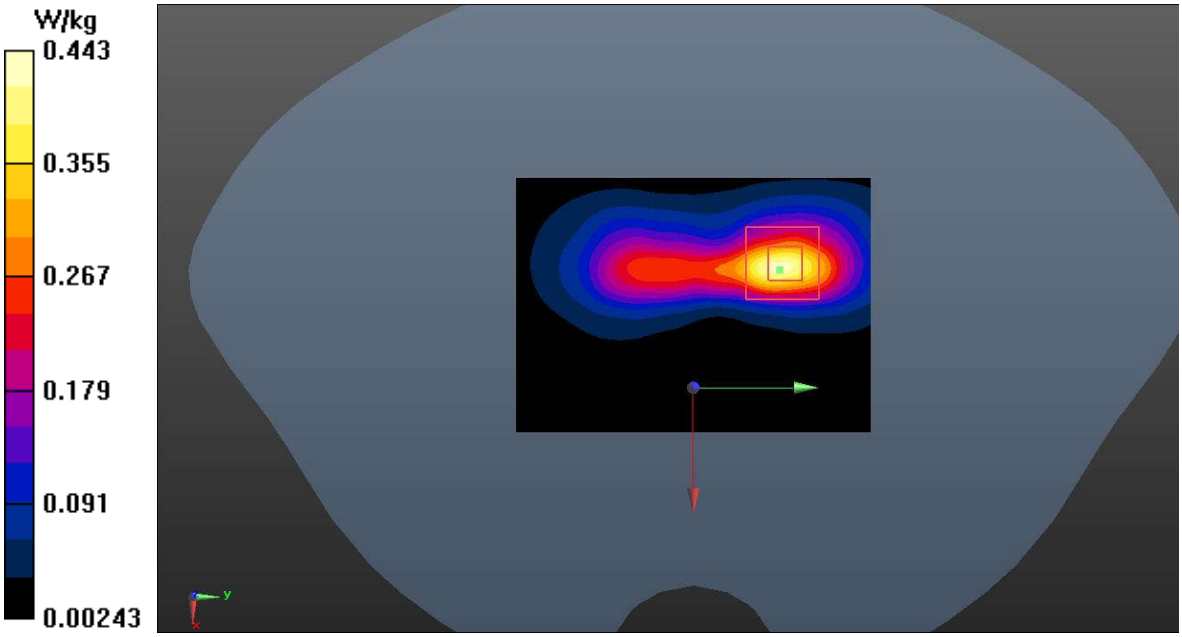


Fig.42 LTE Band 41 Body

LTE Band 66 Head
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle 50RB50/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.830 W/kg

Right Cheek Middle 50RB50/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.525 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.310 W/kg
Maximum value of SAR (measured) = 0.863 W/kg

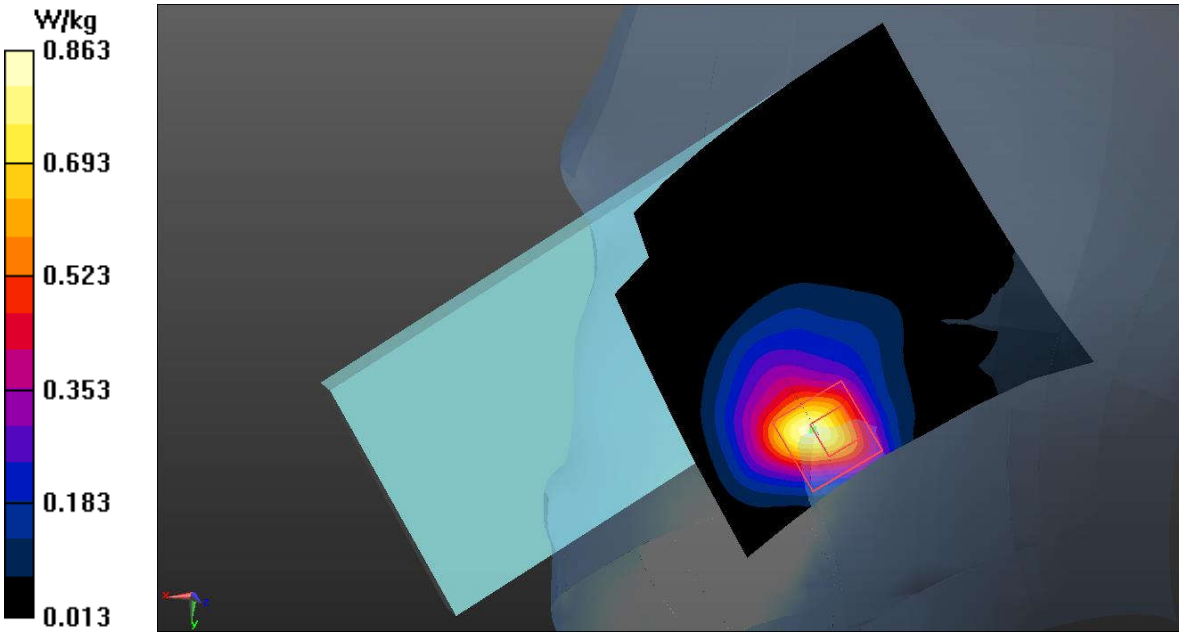


Fig.43 LTE Band 66 Head

LTE Band 66 Body-Open
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side Middle 1RB0/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Right Side Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.04 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 1.10 W/kg

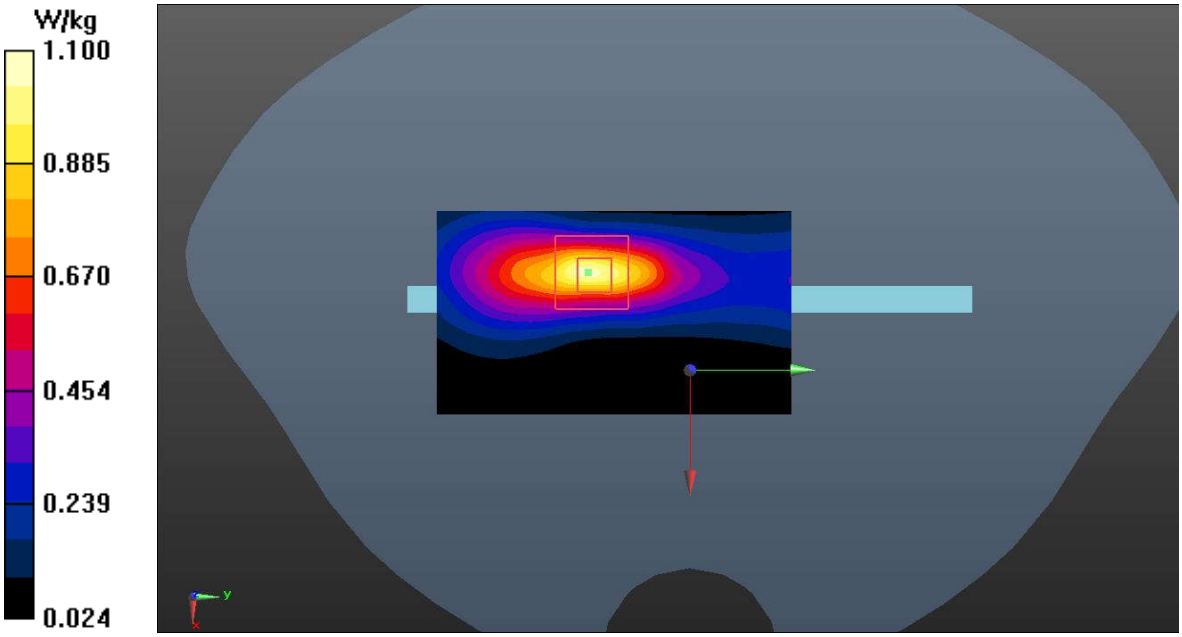


Fig.44 LTE Band 66 Body

LTE Band 66 Body-Close
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Side Middle 1RB0/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Right Side Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.91 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 1.08 W/kg

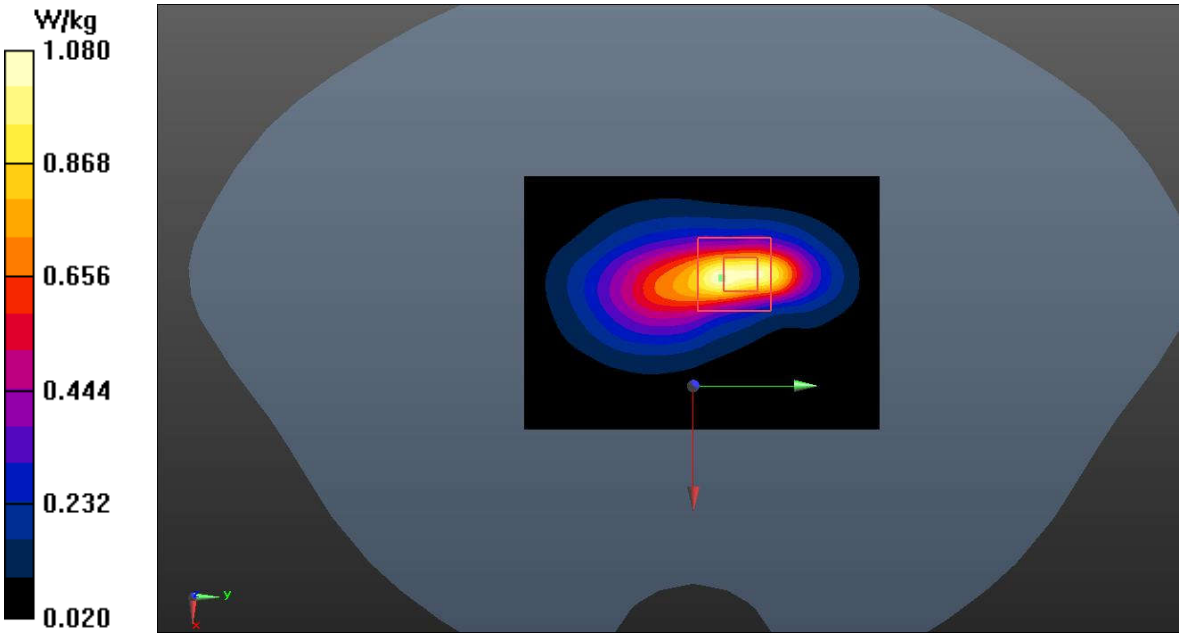


Fig.45 LTE Band 66 Body

NR n2 Head
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.433 S/m; ε_r = 38.746; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek High 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Right Cheek High 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.91 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.445 W/kg
Maximum value of SAR (measured) = 1.12 W/kg

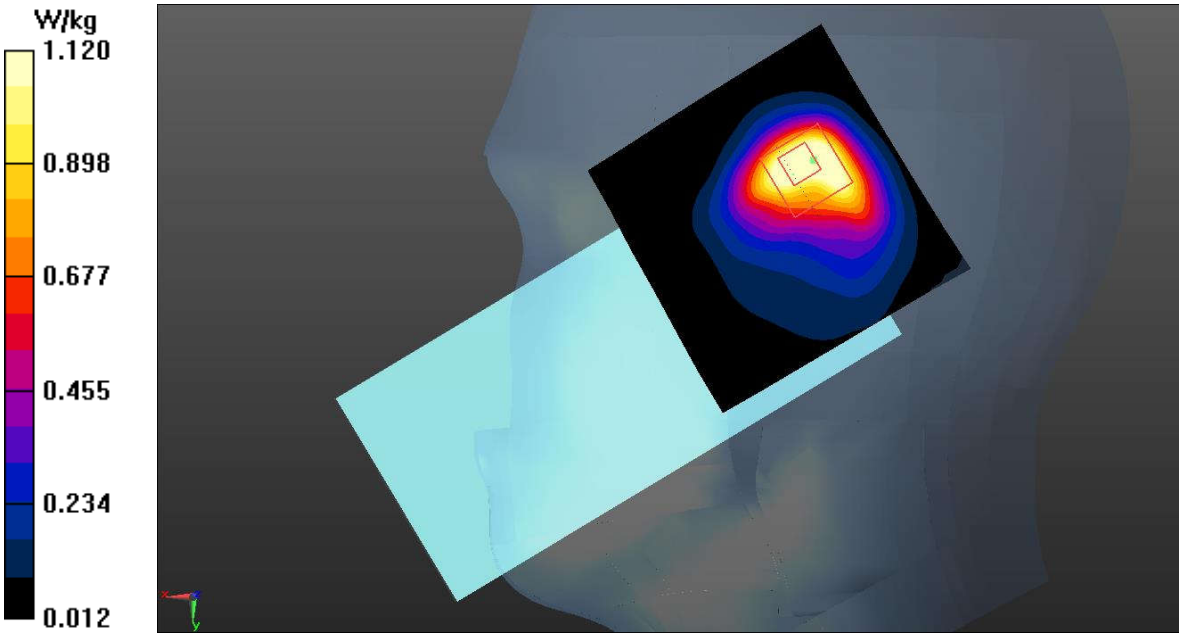


Fig.46 NR n2 Head

NR n2 Body-Open
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.415 S/m; ε_r = 38.824; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Side Middle 50@25/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.737 W/kg

Top Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.94 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.07 W/kg
SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.302 W/kg
Maximum value of SAR (measured) = 0.719 W/kg

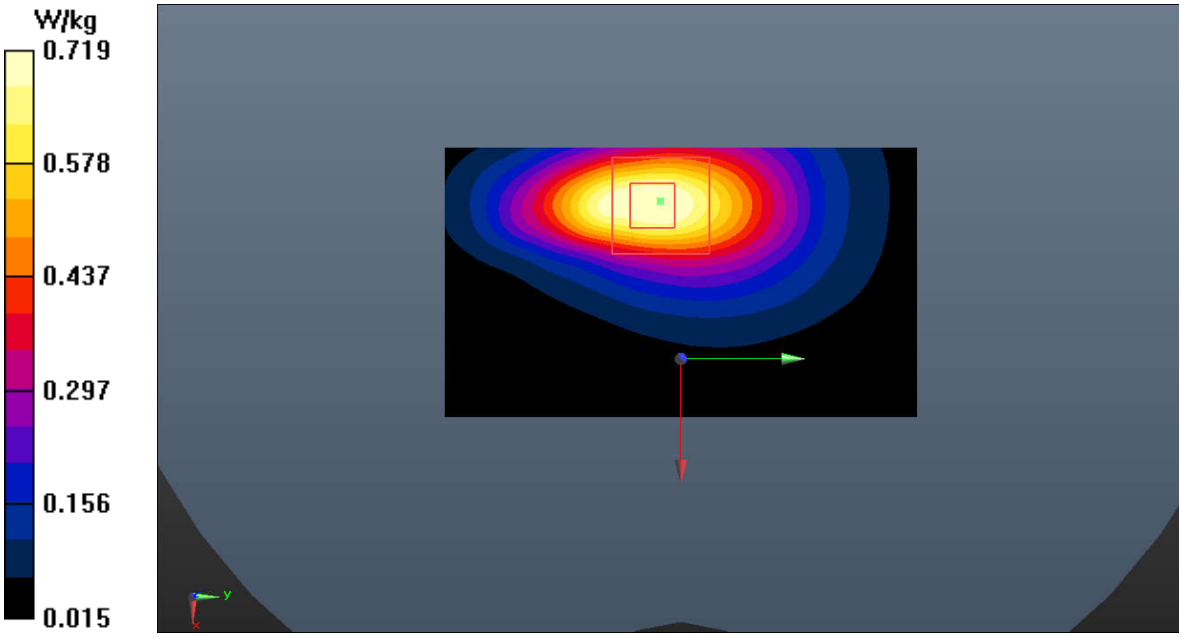


Fig.47 NR n2 Body

NR n2 Body-Close
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.415 S/m; ε_r = 38.824; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right side Middle 50@25/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.649 W/kg

Right side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.996 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.884 W/kg
SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 0.509 W/kg

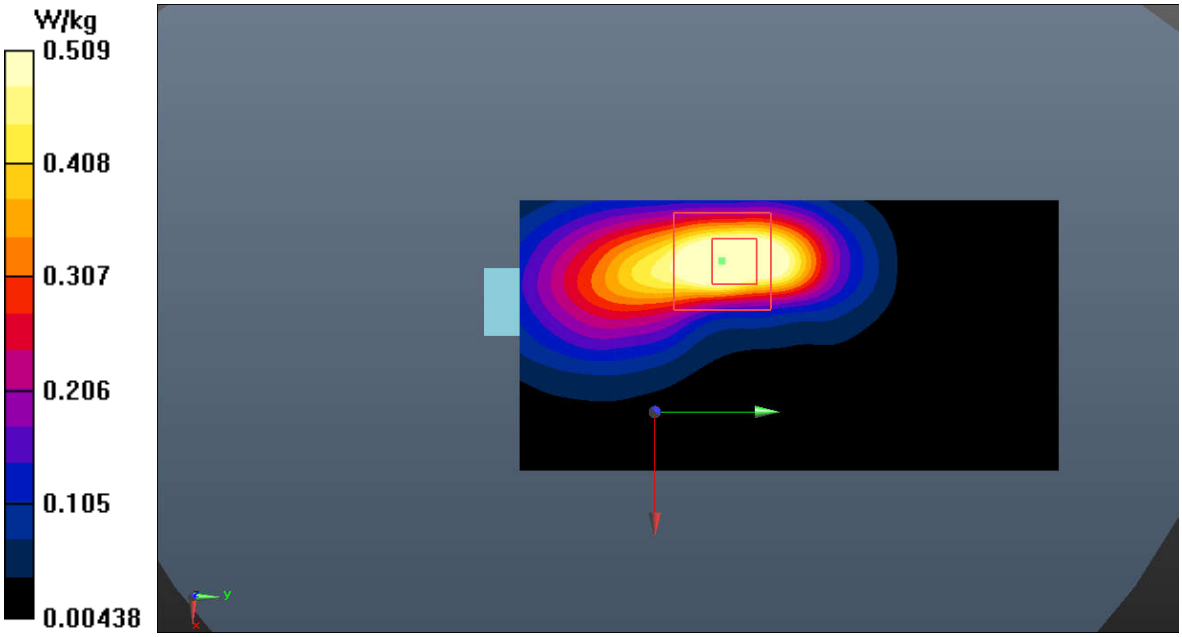


Fig.48 NR n2 Body

NR n5 Head
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.883 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 836.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.756 W/kg

Right Cheek Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.537 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.185 W/kg
Maximum value of SAR (measured) = 0.673 W/kg

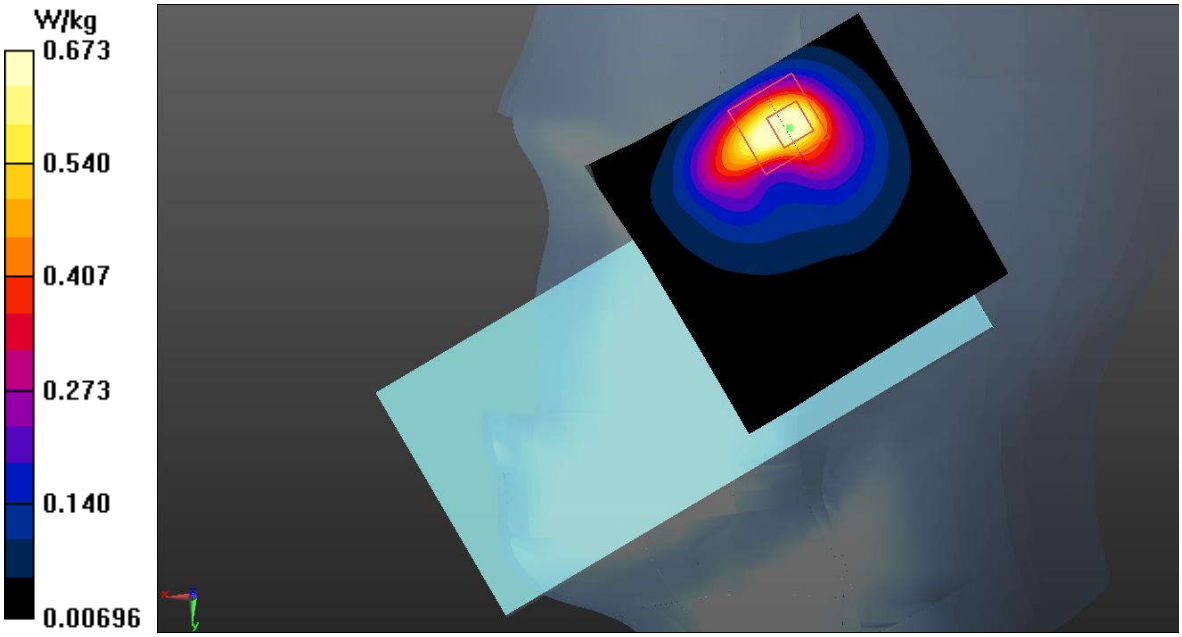


Fig.49 NR n5 Head

NR n5 Body-Open
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.883 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 836.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.425 W/kg

Rear Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.979 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.231 W/kg
Maximum value of SAR (measured) = 0.370 W/kg

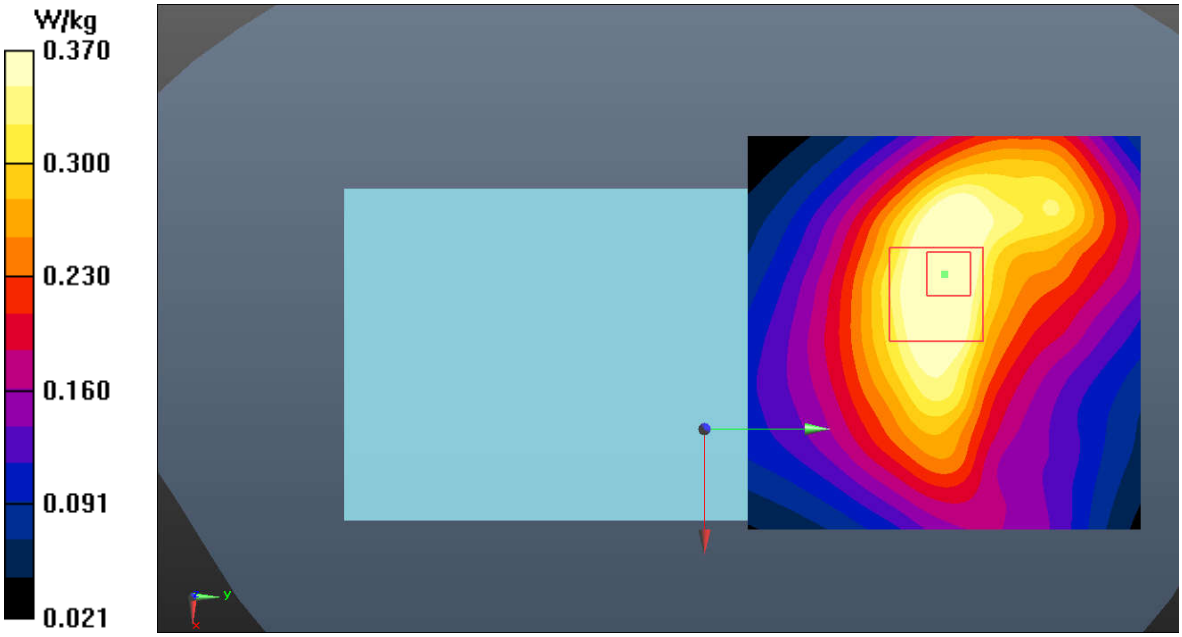


Fig.50 NR n5 Body

NR n5 Body-Close
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.883 S/m; ε_r = 41.926; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 836.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Front Side Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.325 W/kg

Front Side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.91 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.164 W/kg
Maximum value of SAR (measured) = 0.274 W/kg

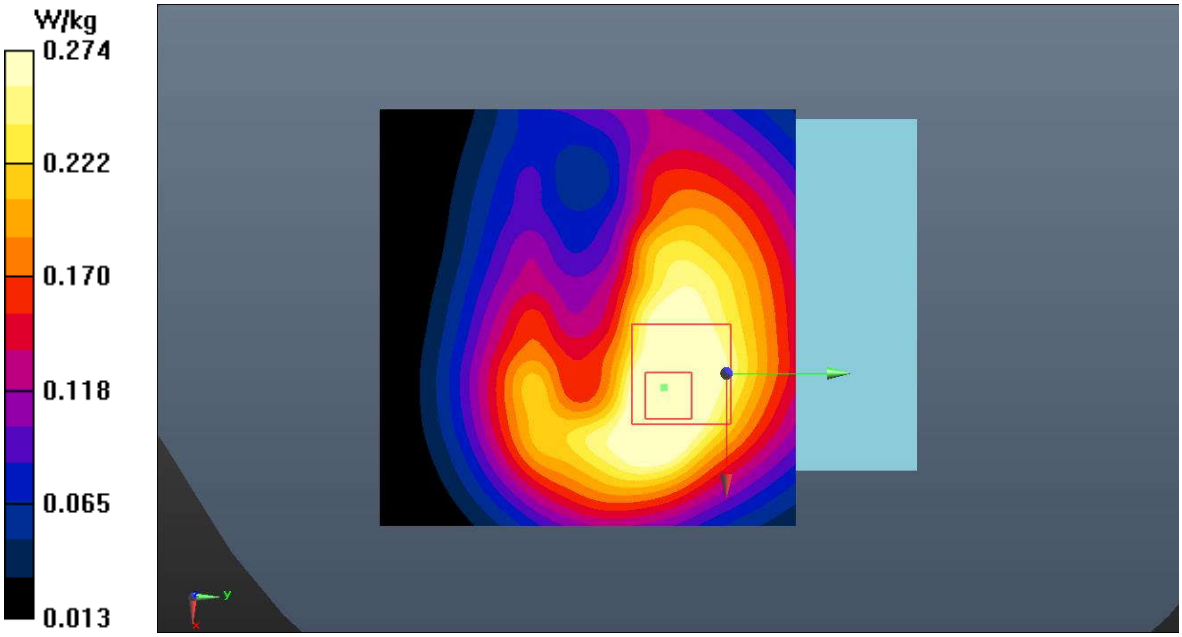


Fig.51 NR n5 Body

NR n7 Head
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.607; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Middle 108@54/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Right Cheek Middle 108@54/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.52 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.341 W/kg
Maximum value of SAR (measured) = 1.20 W/kg

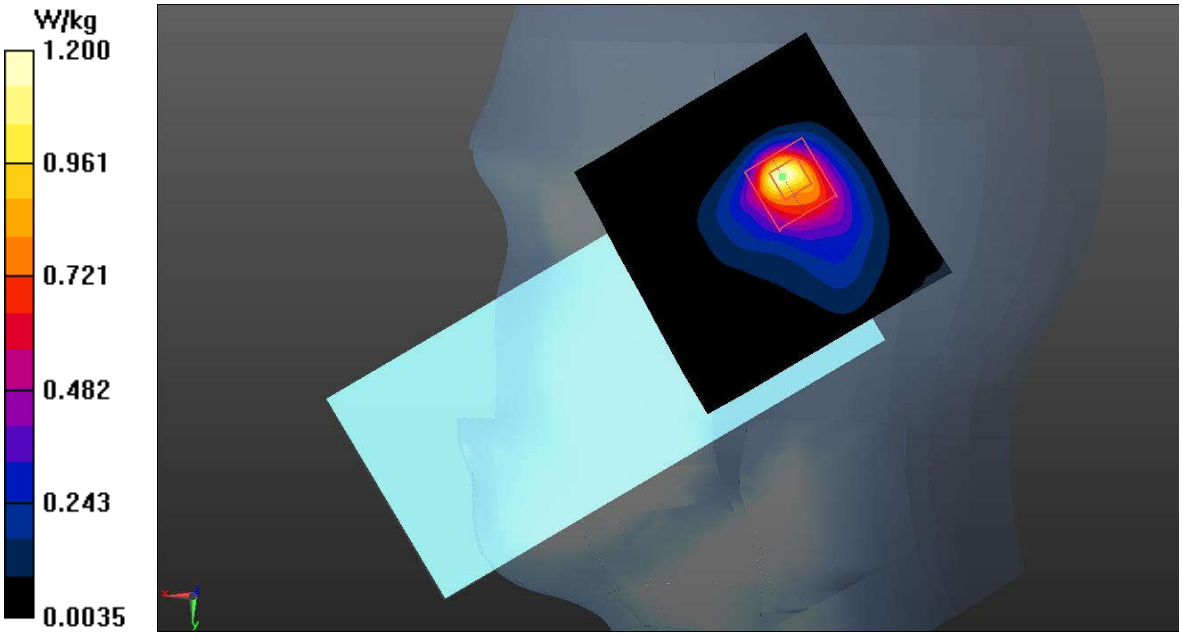


Fig.52 NR n7 Head

NR n7 Body-Open
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.607; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Top Side Middle 108@54/Area Scan (71x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.811 W/kg

Top Side Middle 108@54/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.258 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.290 W/kg
Maximum value of SAR (measured) = 0.812 W/kg

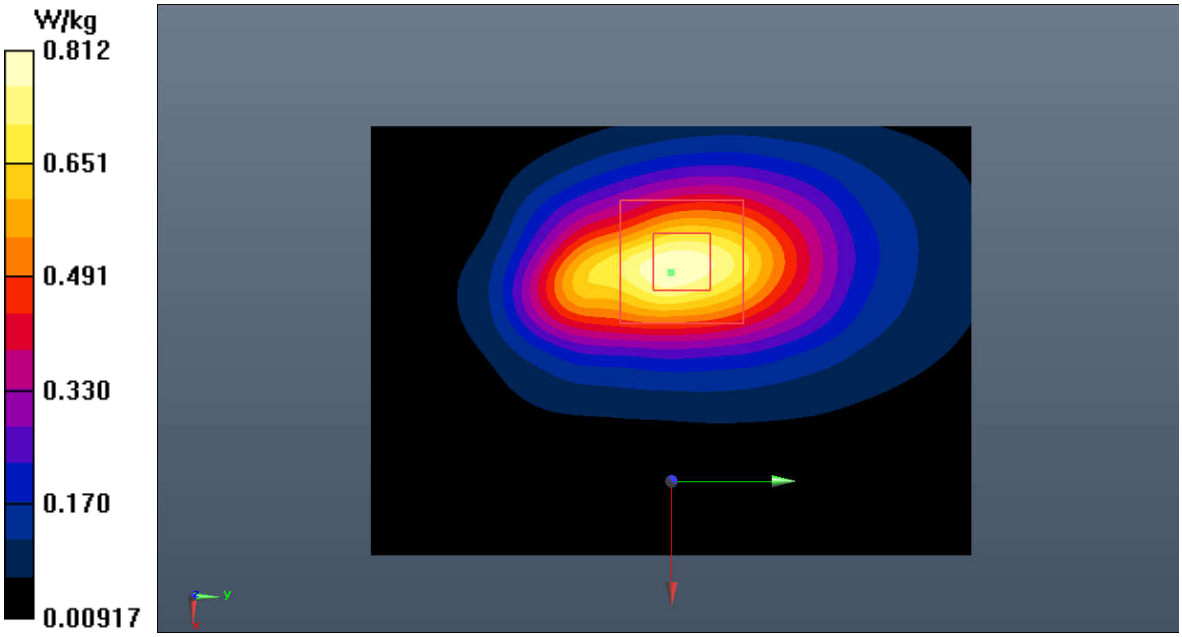


Fig.53 NR n7 Body

NR n7 Body-Close
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.607; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2535 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right side Middle 108@54/Area Scan (71x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.385 W/kg

Right side Middle 108@54/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.459 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.558 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.113 W/kg
Maximum value of SAR (measured) = 0.290 W/kg

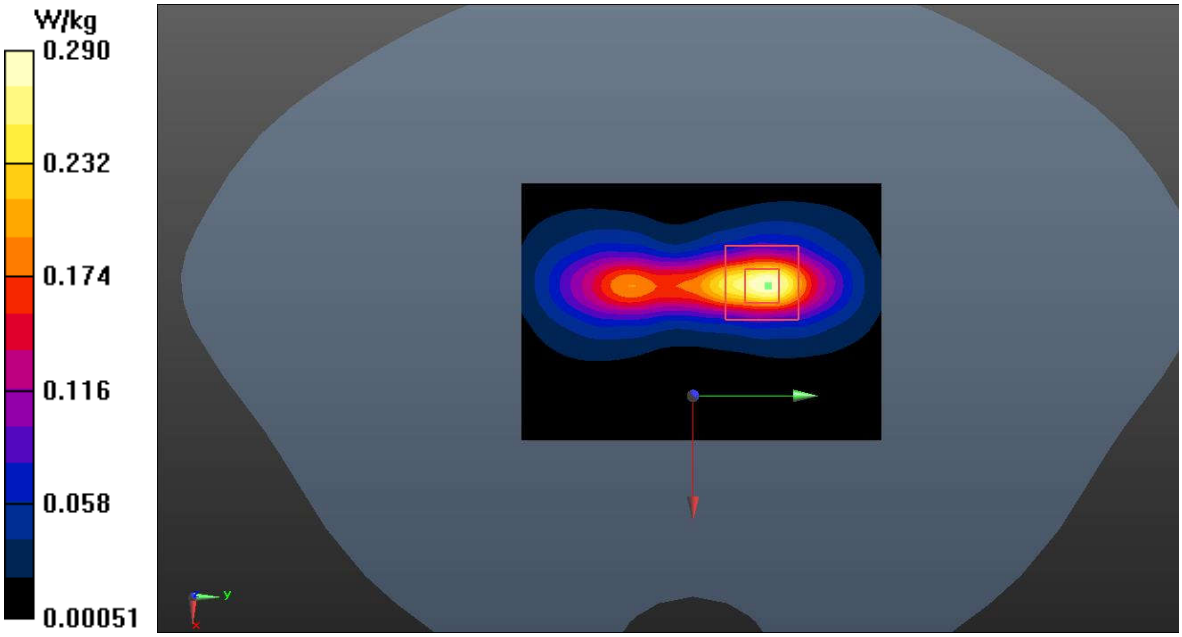


Fig.54 NR n7 Body

NR n12 Head
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 708 MHz; σ = 0.872 S/m; ε_r = 41.792; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle 36@18/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0973 W/kg

Right Cheek Middle 36@18/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.633 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.138 W/kg
SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0904 W/kg

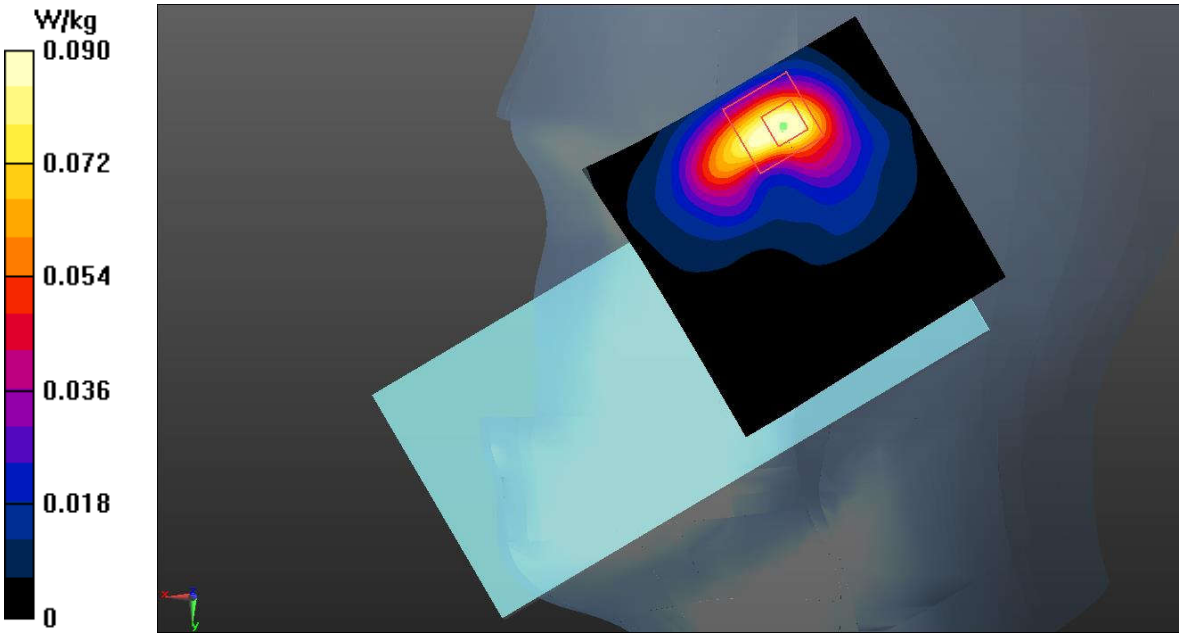


Fig.55 NR n12 Head

NR n12 Body-Open
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 708 MHz; σ = 0.872 S/m; ε_r = 41.792; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 36@18/Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.369 W/kg

Rear Side Middle 36@18/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.906 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.303 W/kg

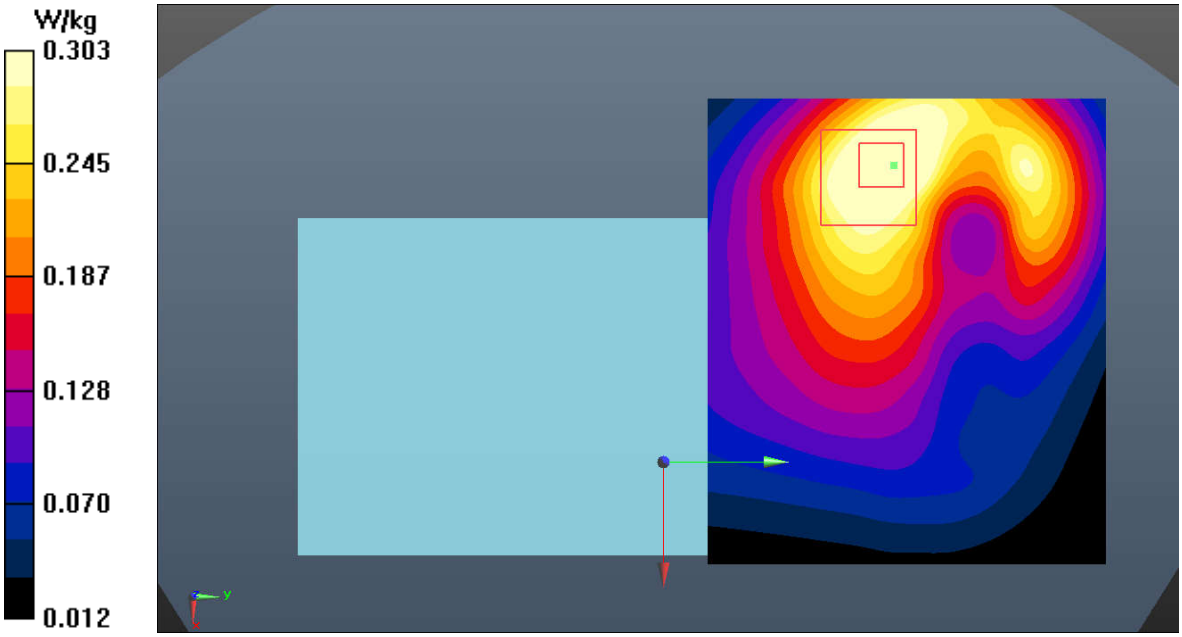


Fig.56 NR n12 Body

NR n12 Body-Close
Date: 2022-11-10
Electronics: DAE4 Sn1527
Medium: Head 750MHz
Medium parameters used: f = 708 MHz; σ = 0.872 S/m; ε_r = 41.792; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 707.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Front Side Middle 36@18/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Front Side Middle 36@18/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.96 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.252 W/kg

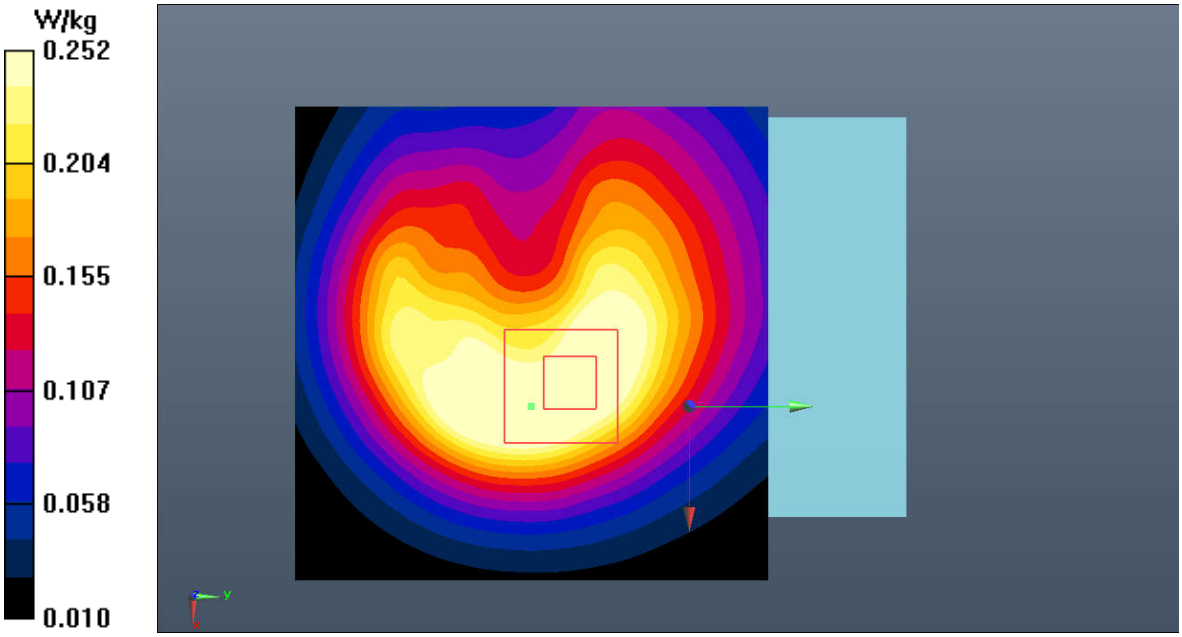


Fig.57 NR n12 Body

NR n25 Head
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1905 MHz; σ = 1.437 S/m; ε_r = 38.727; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1905 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek High 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Right Cheek High 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.57 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.420 W/kg
Maximum value of SAR (measured) = 1.06 W/kg

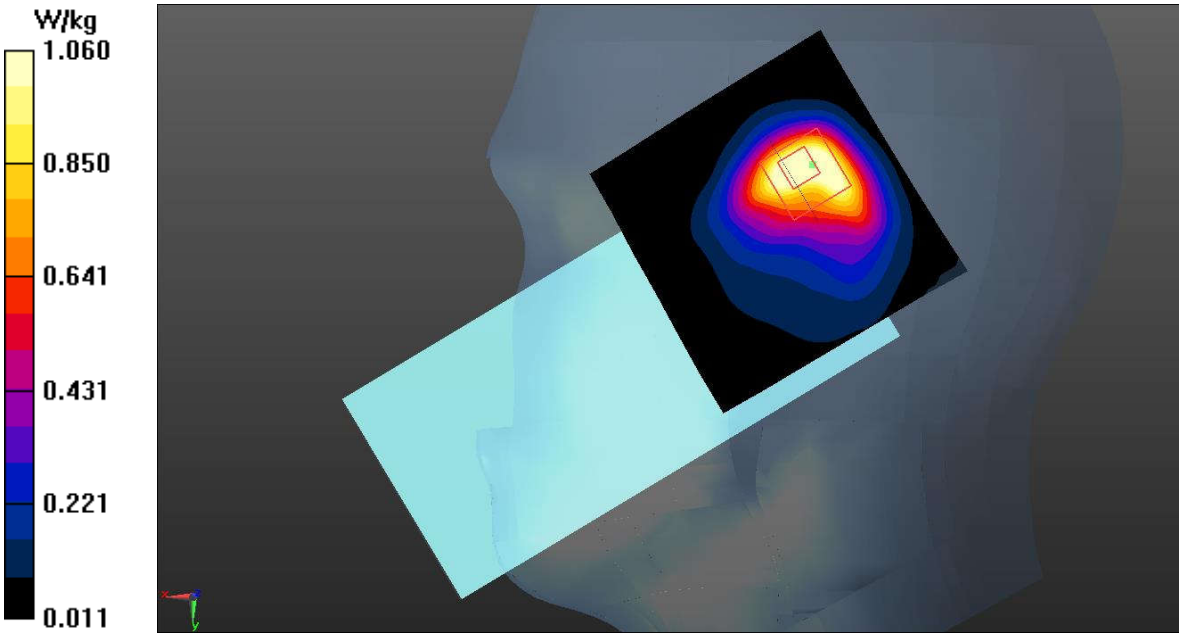


Fig.58 NR n25 Head

NR n25 Body-Open
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.418 S/m; ε_r = 38.814; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1882.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right side Middle 50@25/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.743 W/kg

Right side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.93 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.262 W/kg
Maximum value of SAR (measured) = 0.608 W/kg

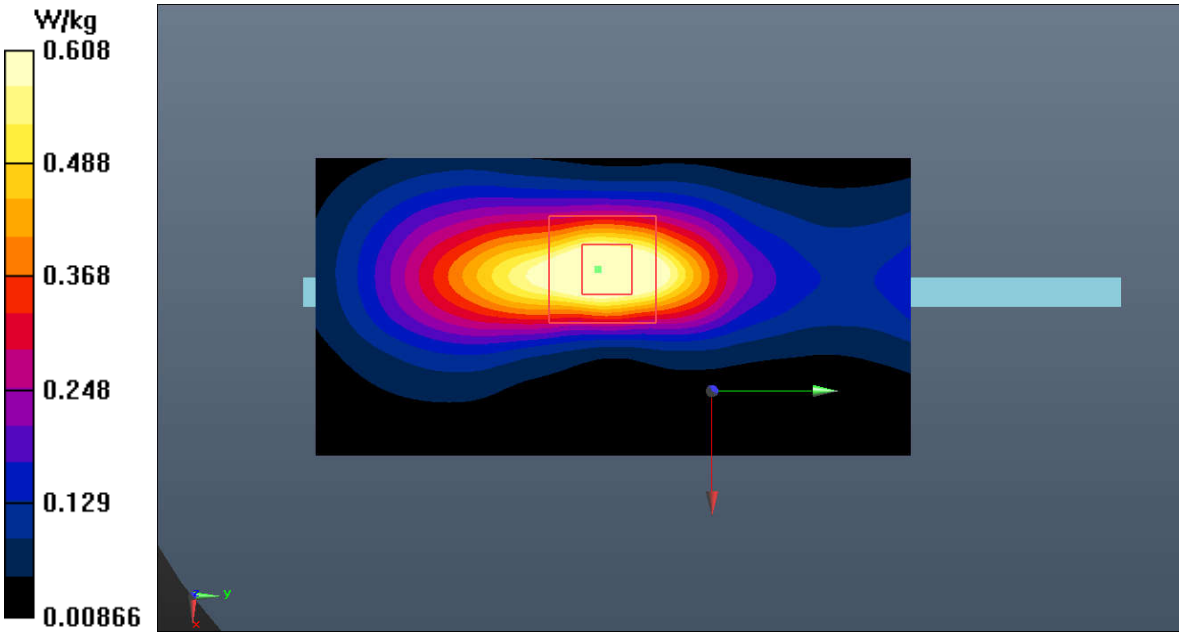


Fig.59 NR n25 Body

NR n25 Body-Close
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.418 S/m; ε_r = 38.814; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1882.5 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right side Middle 50@25/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.666 W/kg

Right side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.46 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.898 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 0.539 W/kg

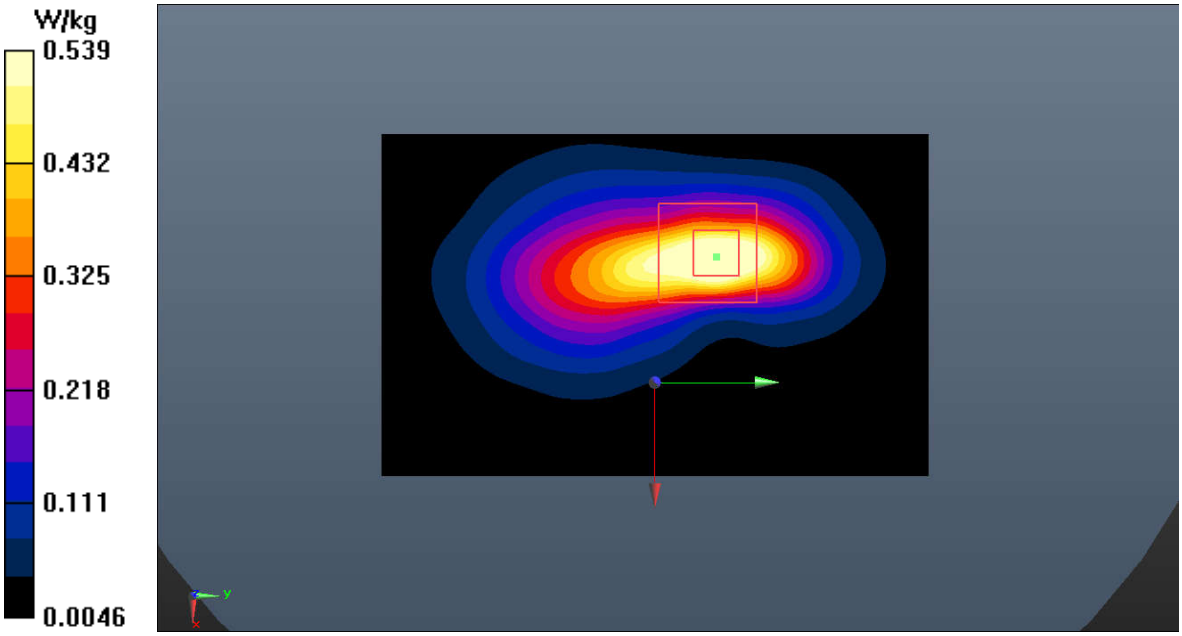


Fig.60 NR n25 Body

NR n38 Head
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2600 MHz; σ = 1.993 S/m; ε_r = 38.119; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2600 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Right Cheek High 50@25/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Right Cheek High 50@25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.540 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.340 W/kg
Maximum value of SAR (measured) = 1.16 W/kg

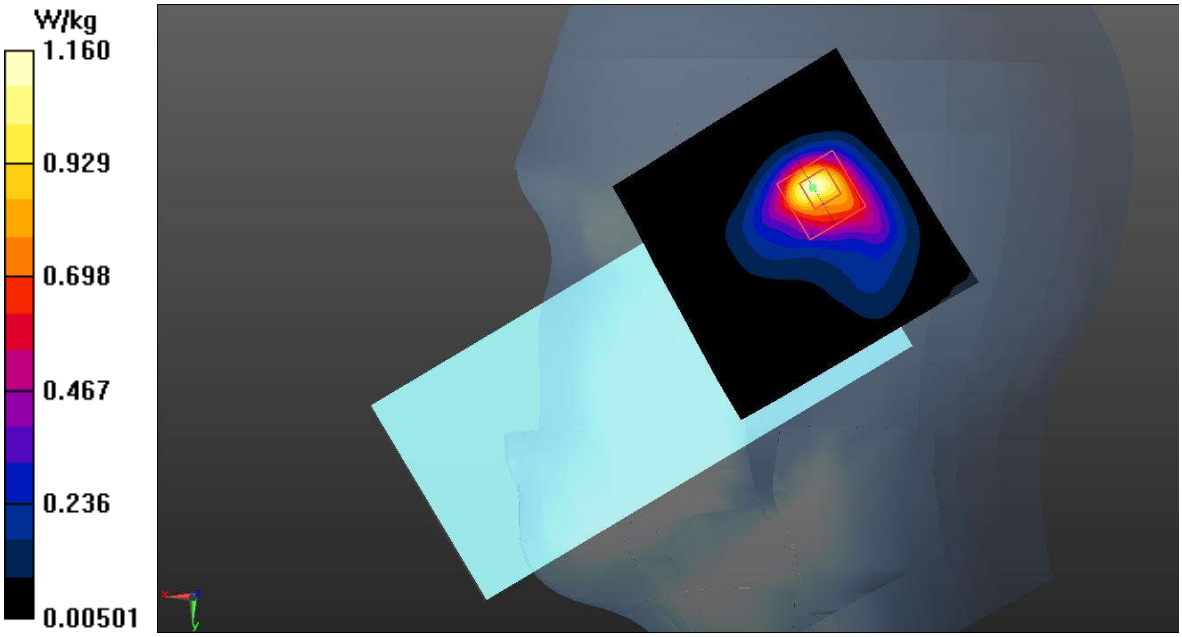


Fig.61 NR n38 Head

NR n38 Body-Open
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2595 MHz; σ = 1.987 S/m; ε_r = 38.136; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2595 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Top Side Middle 50@25/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.658 W/kg

Top Side Middle 50@25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.124 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.904 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.249 W/kg
Maximum value of SAR (measured) = 0.693 W/kg

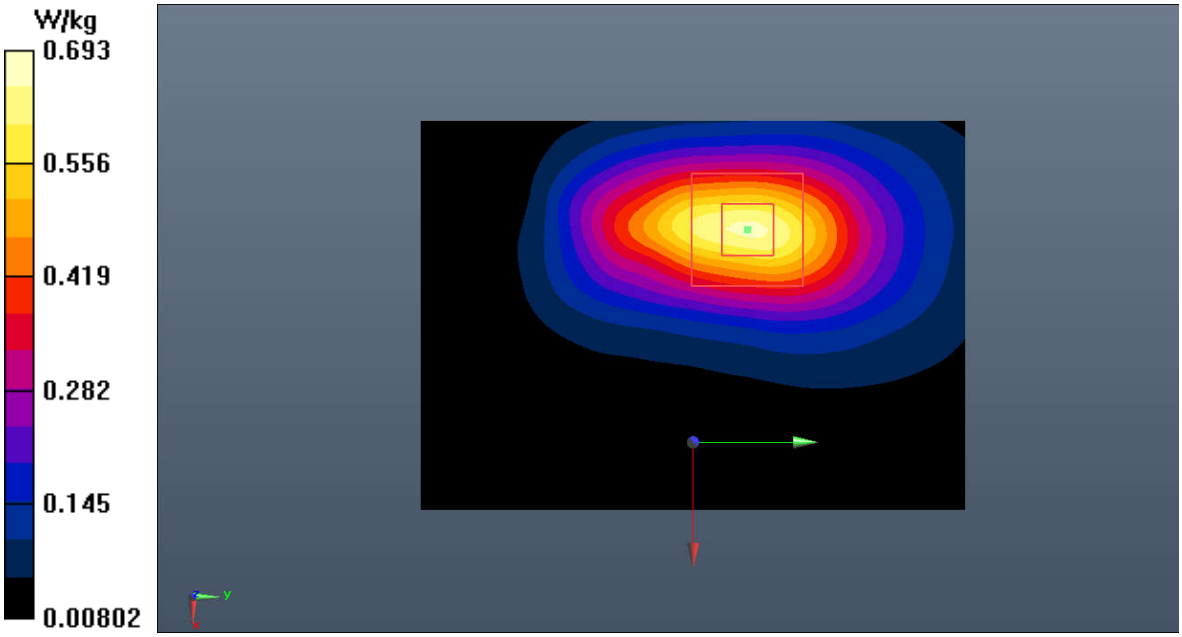


Fig.62 NR n38 Body

NR n38 Body-Close
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2595 MHz; σ = 1.987 S/m; ε_r = 38.136; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2595 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Top Side Middle 50@25/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.250 W/kg

Top Side Middle 50@25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.833 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.239 W/kg

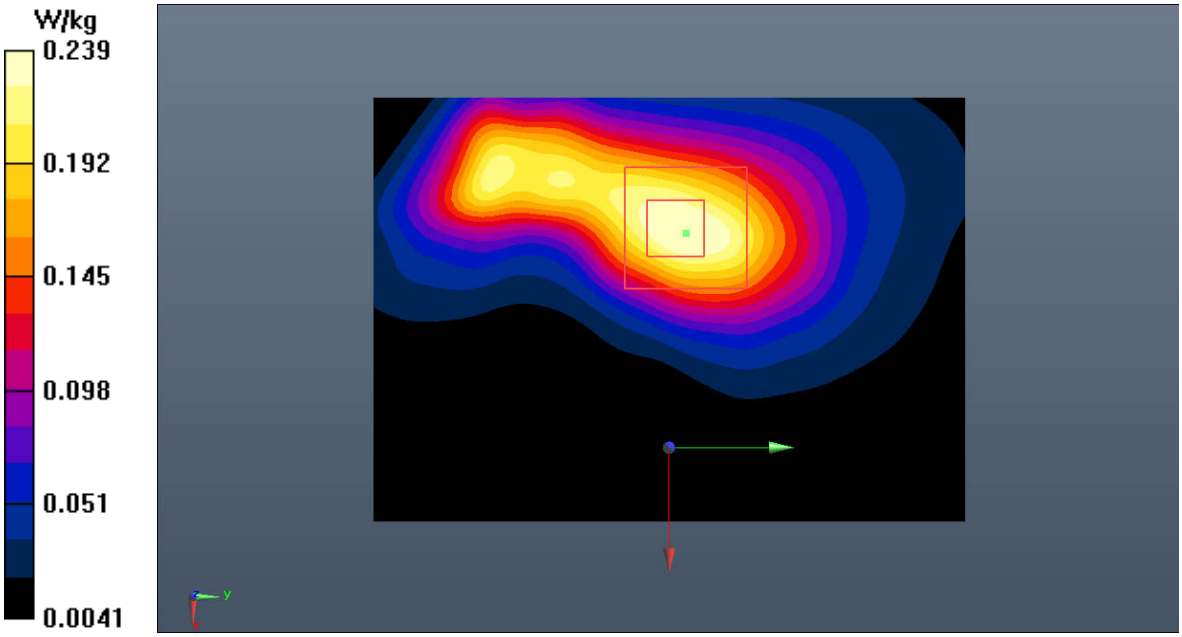


Fig.63 NR n38 Body

NR n41 Head
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2640 MHz; σ = 2.04 S/m; ε_r = 37.987; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2640 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Right Cheek High 135@67/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

Right Cheek High 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.155 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.344 W/kg
Maximum value of SAR (measured) = 1.16 W/kg

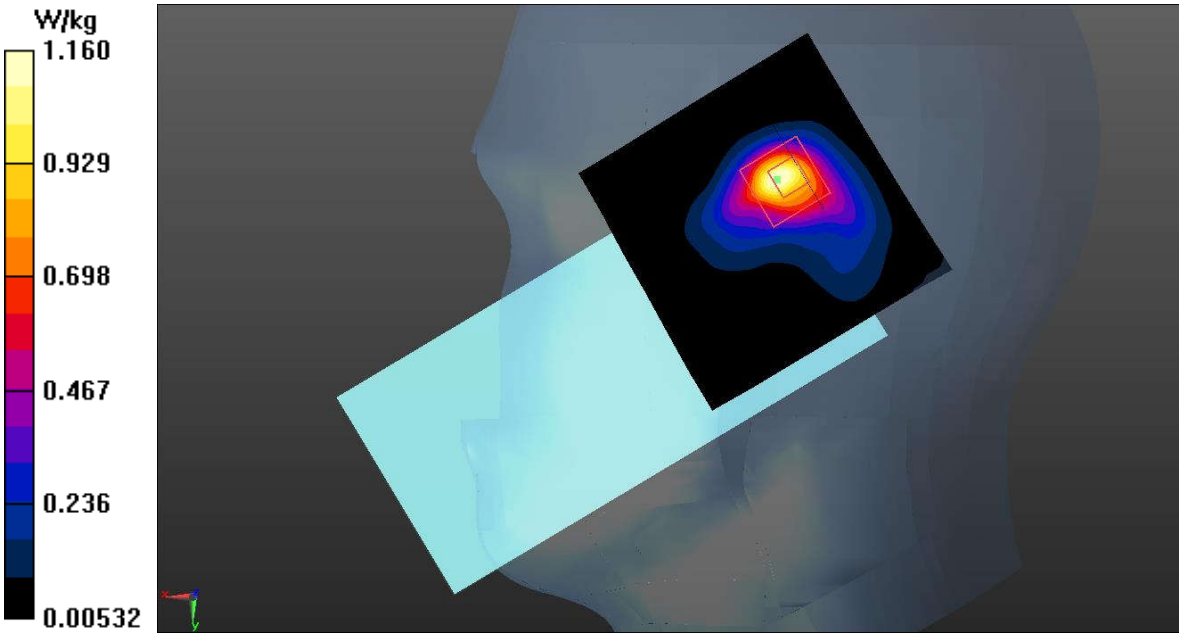


Fig.64 NR n41 Head

NR n41 Body-Open
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2593 MHz; σ = 1.985 S/m; ε_r = 38.142; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2593 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Top Side Middle 135@67/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.759 W/kg

Top Side Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.081 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.786 W/kg

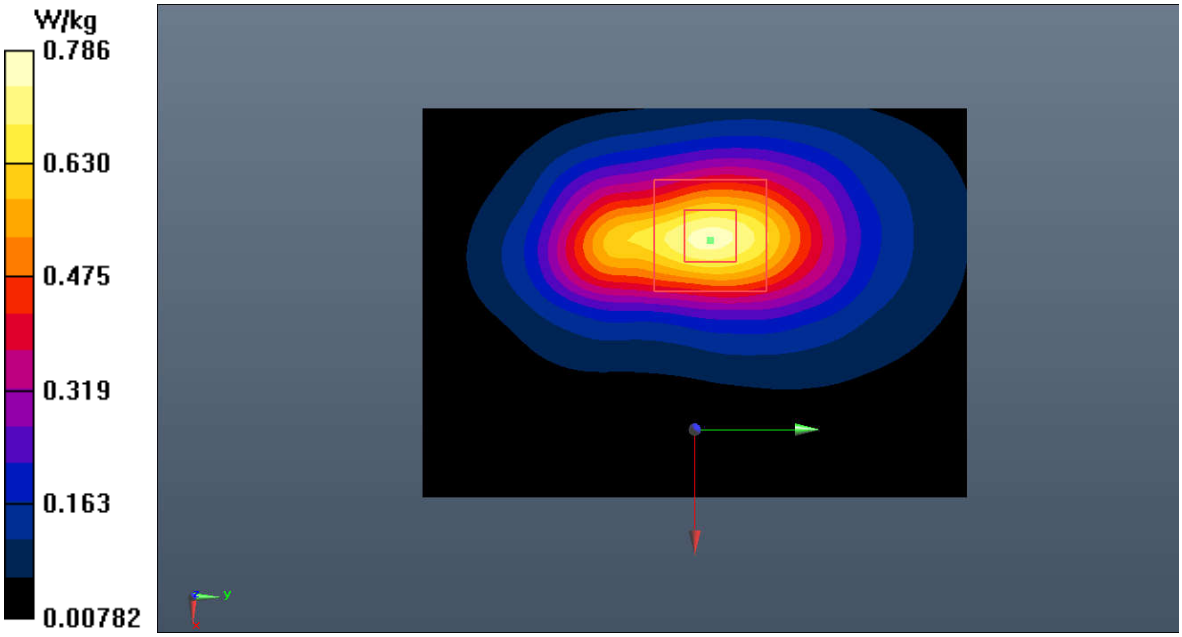


Fig.65 NR n41 Body

NR n41 Body-Close
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used (interpolated): f = 2593 MHz; σ = 1.985 S/m; ε_r = 38.142; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 2593 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Side Middle 135@67/Area Scan (141x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.354 W/kg

Rear Side Middle 135@67/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.508 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.378 W/kg
SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.106 W/kg
Maximum value of SAR (measured) = 0.283 W/kg

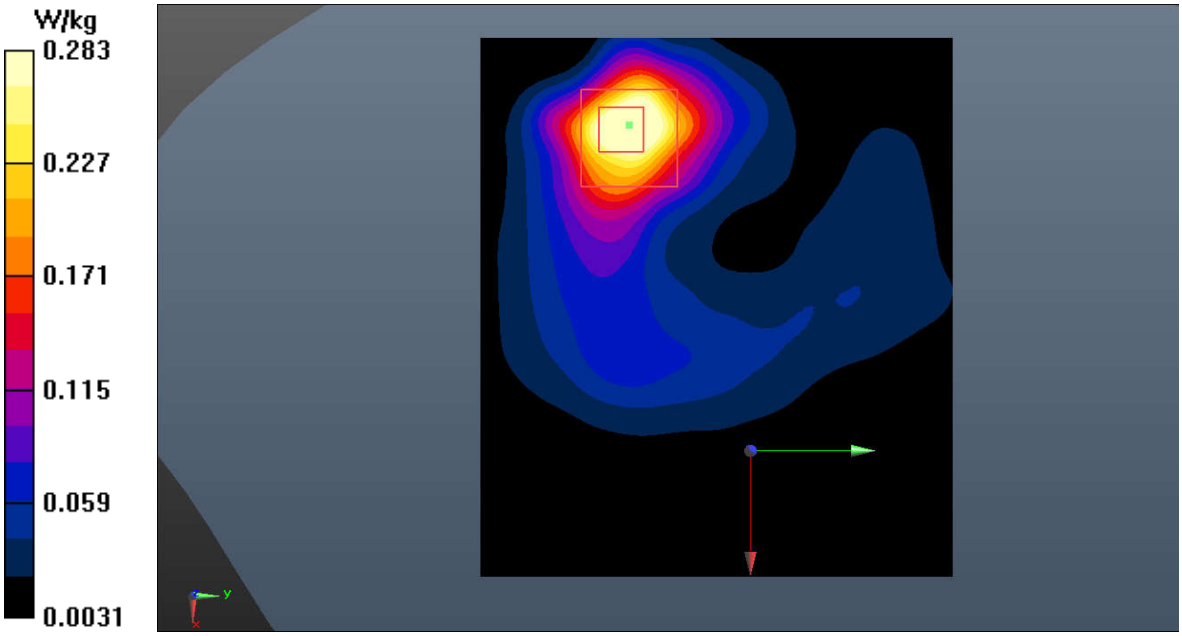


Fig.66 NR n41 Body

NR n66 Head
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle 50@25/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Right Cheek Middle 50@25 TX-19/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.959 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 1.38 W/kg

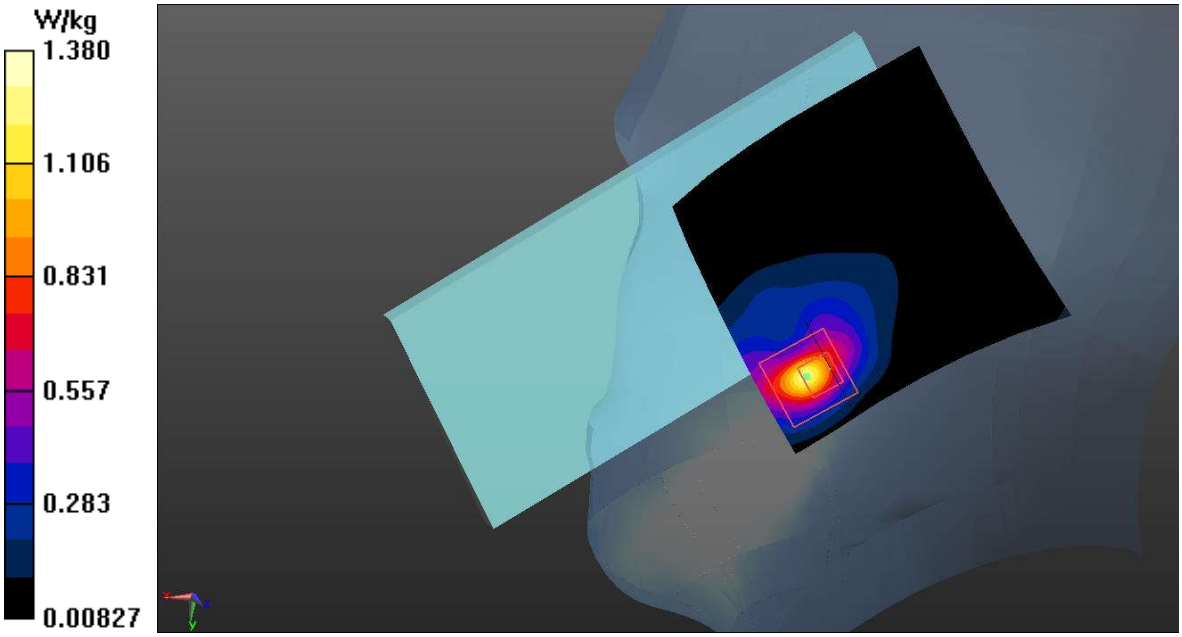


Fig.67 NR n66 Head

NR n66 Body-Open
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, 5G (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right side Middle 50@25/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Right side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.76 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.421 W/kg
Maximum value of SAR (measured) = 0.961 W/kg

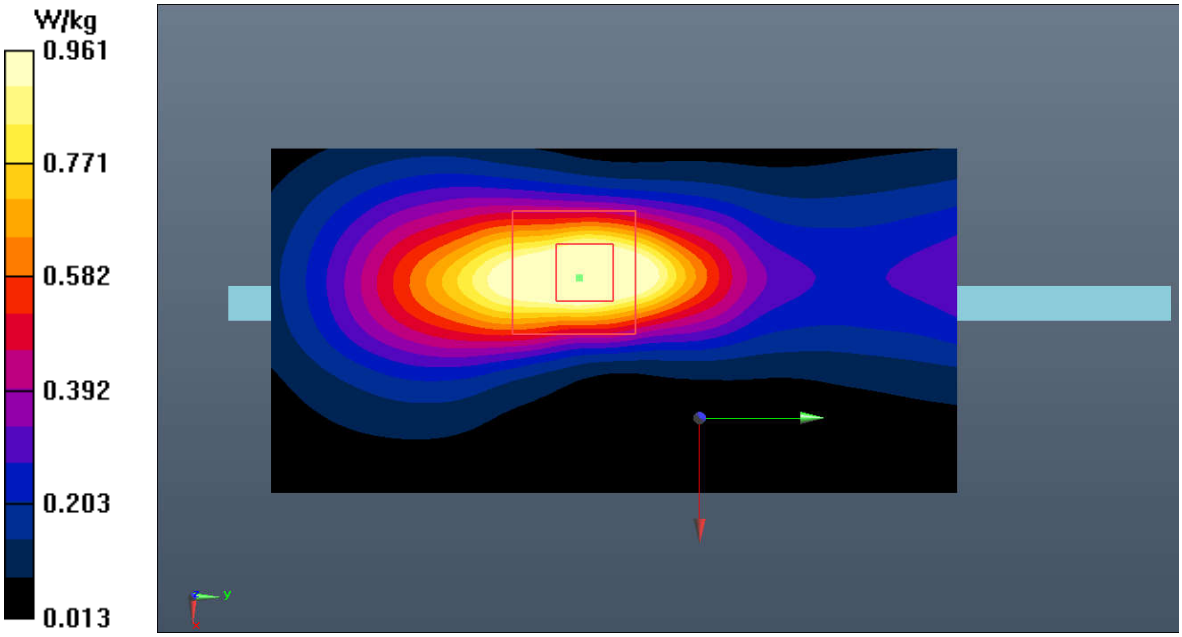


Fig.68 NR n66 Body

NR n66 Body-Close
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.391; ρ = 1000 kg/m^3
Communication System: UID 0, 5G - FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right side Middle 50@25/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Right side Middle 50@25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.12 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 0.888 W/kg

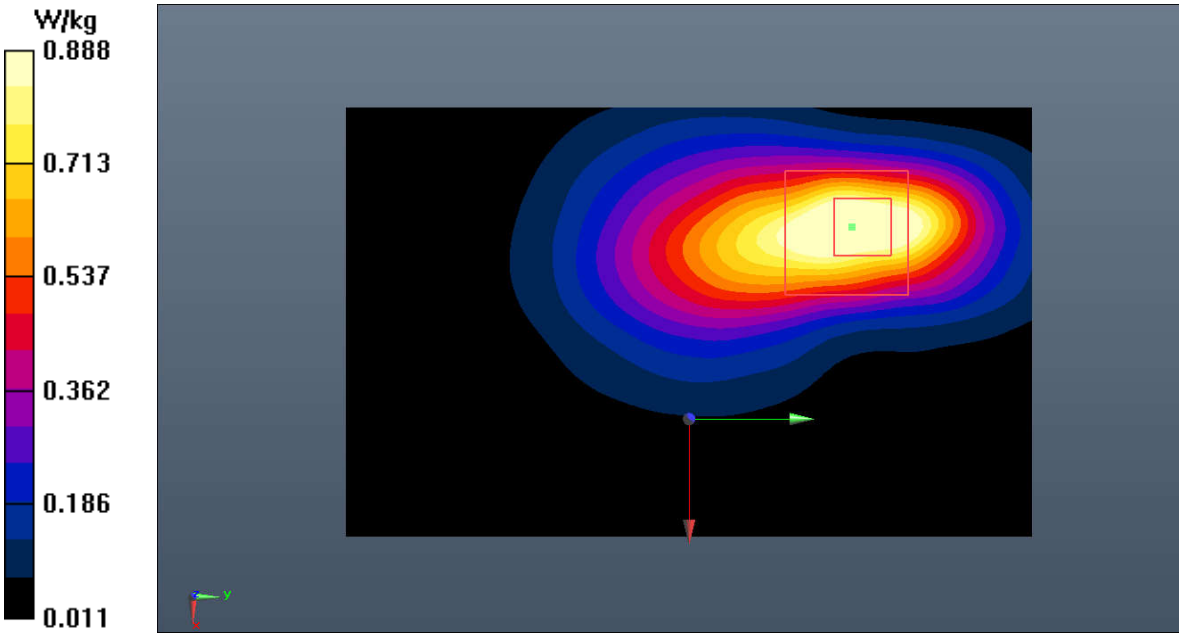


Fig.69 NR n66 Body

Bluetooth Head
Date: 2022-12-8
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.826 S/m; ε_r = 38.662; ρ = 1000 kg/m^3
Communication System: UID 0, BT (0) Frequency: 2441 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Left Cheek Ch.39/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Left Cheek Ch.39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.038 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.200 W/kg

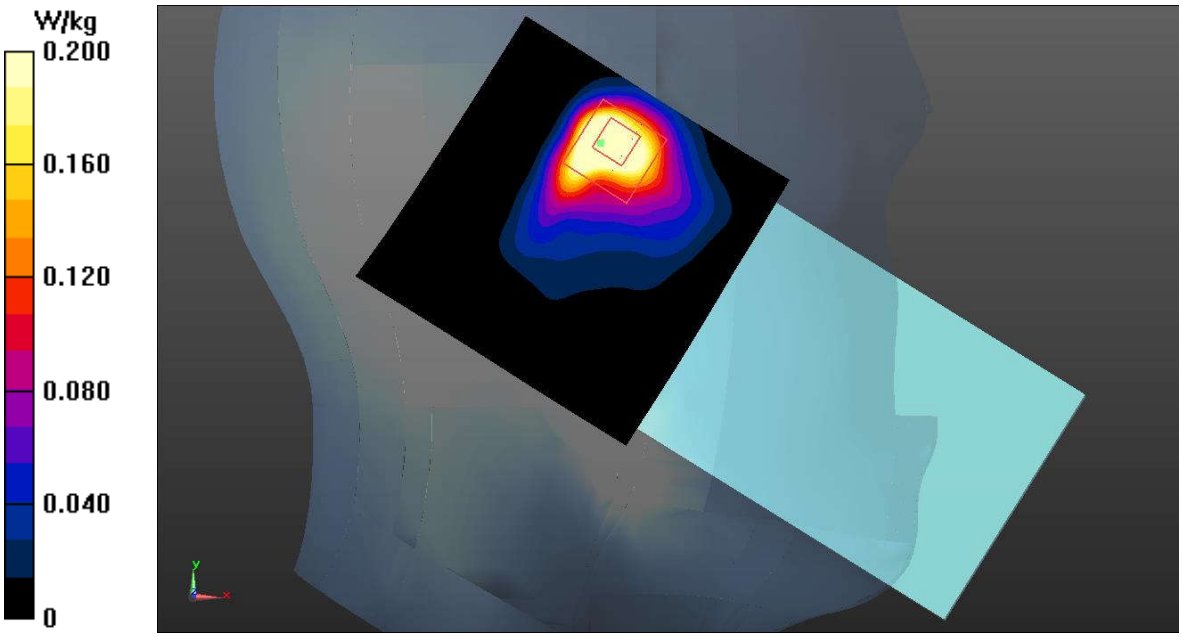


Fig.70 Bluetooth Head

Bluetooth Body-Open
Date: 2022-12-8
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.826 S/m; ε_r = 38.662; ρ = 1000 kg/m^3
Communication System: UID 0, BT (0) Frequency: 2441 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Front Side Ch.39 /Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0559 W/kg

Front Side Ch.39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.552 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0690 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0547 W/kg

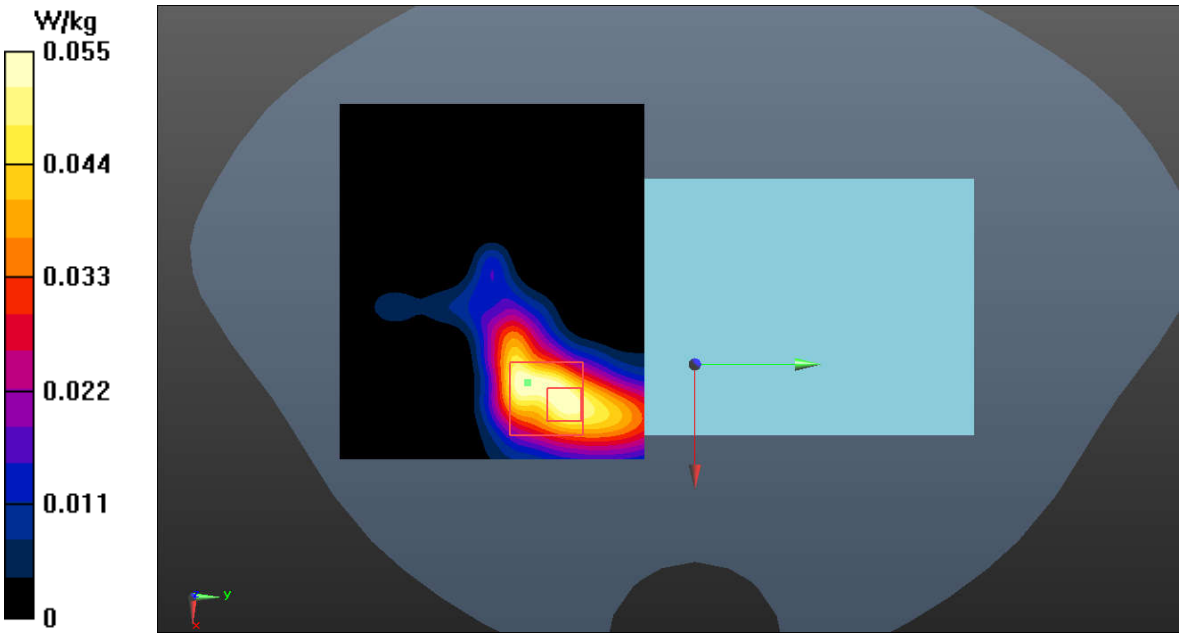


Fig.71 Bluetooth Body

Bluetooth Body-Close
Date: 2022-12-8
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.826 S/m; ε_r = 38.662; ρ = 1000 kg/m^3
Communication System: UID 0, BT (0) Frequency: 2441 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Left Side Ch.39/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0346 W/kg

Left Side Ch.39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7820 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0490 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00861 W/kg
Maximum value of SAR (measured) = 0.0335 W/kg

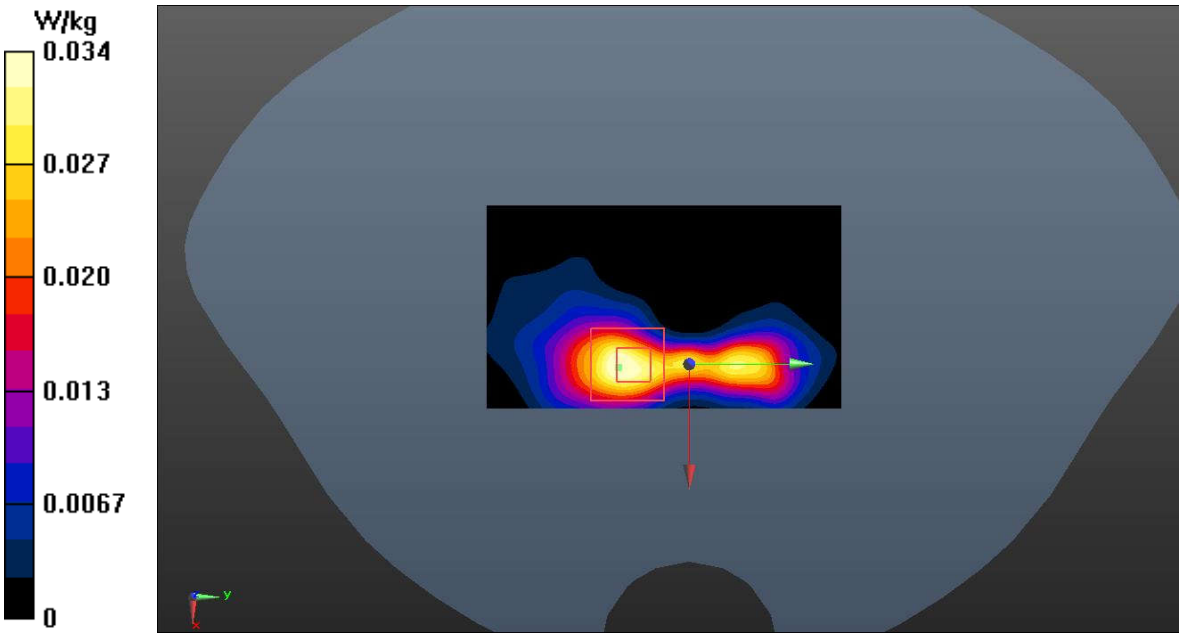


Fig.72 Bluetooth Body

WLAN 2.4GHz Head
Date: 2022-12-7
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used: f = 2462 MHz; σ = 1.843 S/m; ε_r = 38.853; ρ = 1000 kg/m^3
Communication System: UID 0, WiFi (0) Frequency: 2462 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Right Cheek Ch.11/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.946 W/kg

Right Cheek Ch.11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.059 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.886 W/kg

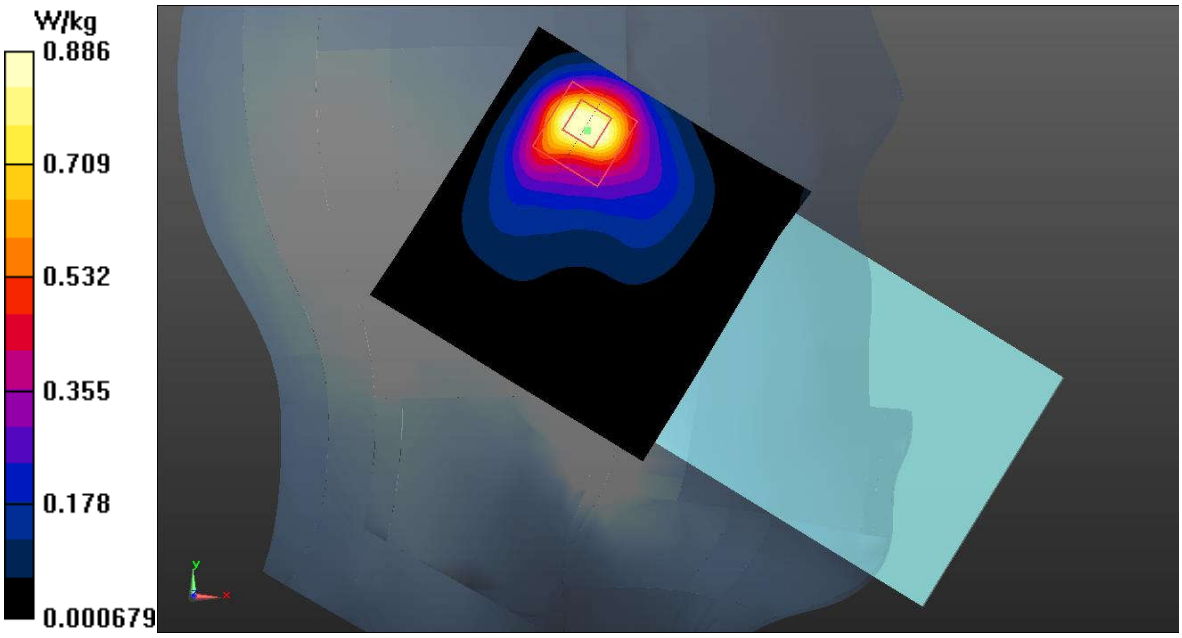


Fig.73 WLAN 2.4GHz Head

WLAN 2.4GHz Body-Open
Date: 2022-12-7
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used: f = 2462 MHz; σ = 1.843 S/m; ε_r = 38.853; ρ = 1000 kg/m^3
Communication System: UID 0, WiFi (0) Frequency: 2462 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Top Side Ch.11/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.310 W/kg

Top Side Ch.11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.282 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.107 W/kg
Maximum value of SAR (measured) = 0.312 W/kg

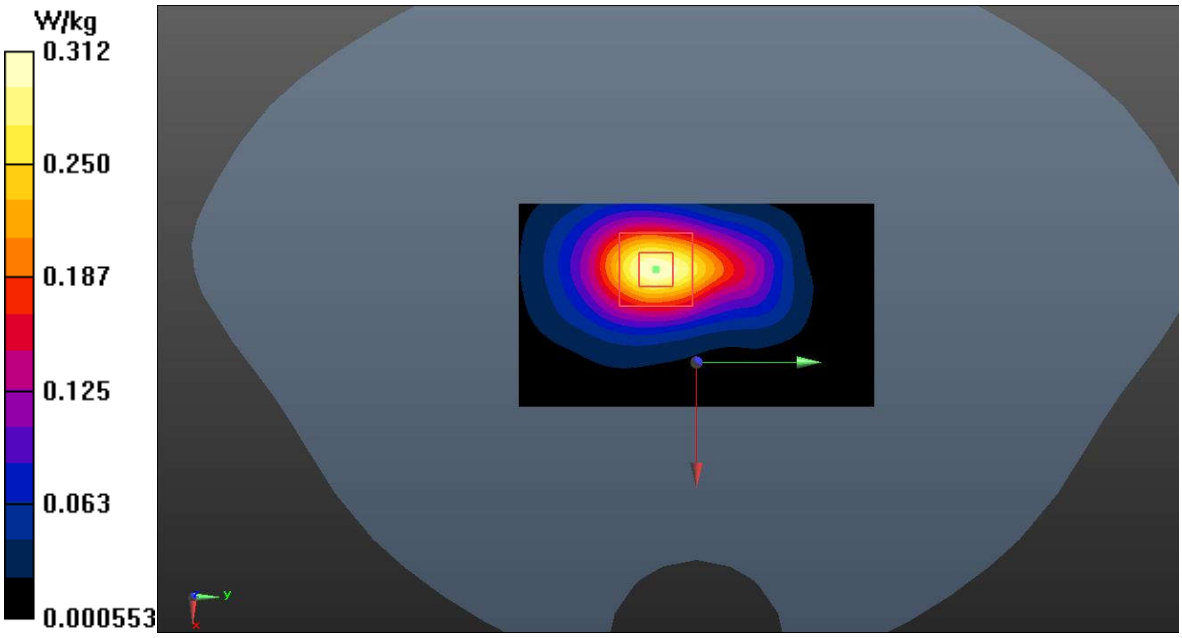


Fig.74 WLAN 2.4GHz Body

WLAN 2.4GHz Body-Close
Date: 2022-12-7
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used: f = 2412 MHz; σ = 1.784 S/m; ε_r = 38.518; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI (0) Frequency: 2412 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Left Side Ch.1/Area Scan (81x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.163 W/kg

Left Side Ch.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.479 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.177 W/kg

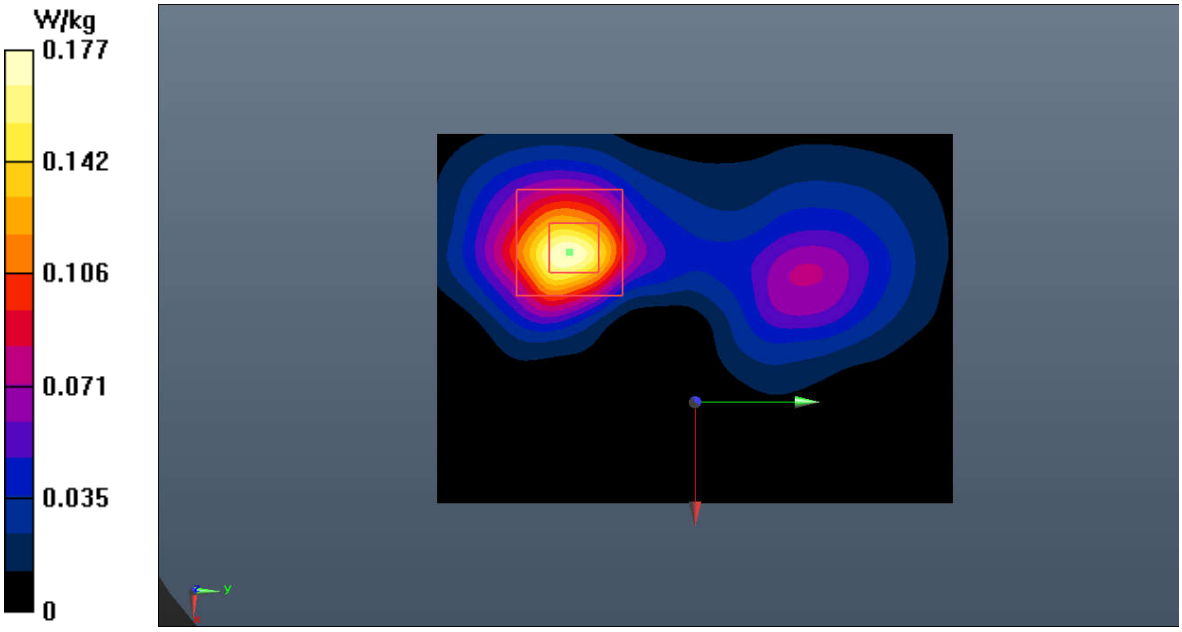


Fig.75 WLAN 2.4GHz Body

WLAN 5GHz Head
Date: 2022-12-11
Electronics: DAE4 Sn1527
Medium: Head 5600MHz
Medium parameters used: f = 5620 MHz; σ = 4.992 S/m; ε_r = 36.139; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI 5G (0) Frequency: 5620 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.47, 5.47, 5.47)

Left Cheek Ch.124/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

Left Cheek Ch.124/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.108 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 1.98 W/kg

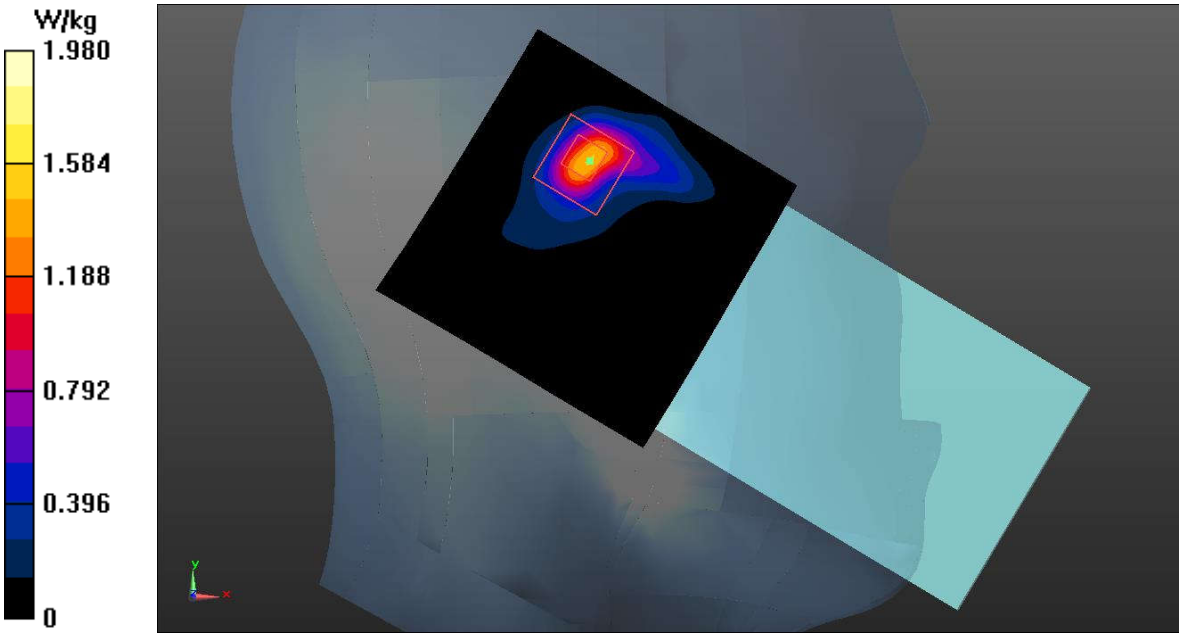


Fig.76 WLAN 5GHz Head

WLAN 5GHz Body-Open
Date: 2022-12-12
Electronics: DAE4 Sn1527
Medium: Head 5750MHz
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.224 S/m; ε_r = 35.652; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI 5G (0) Frequency: 5825 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.40, 5.40, 5.40)

Rear Side Ch.165/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.729 W/kg

Rear Side Ch.165/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.9730 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.744 W/kg

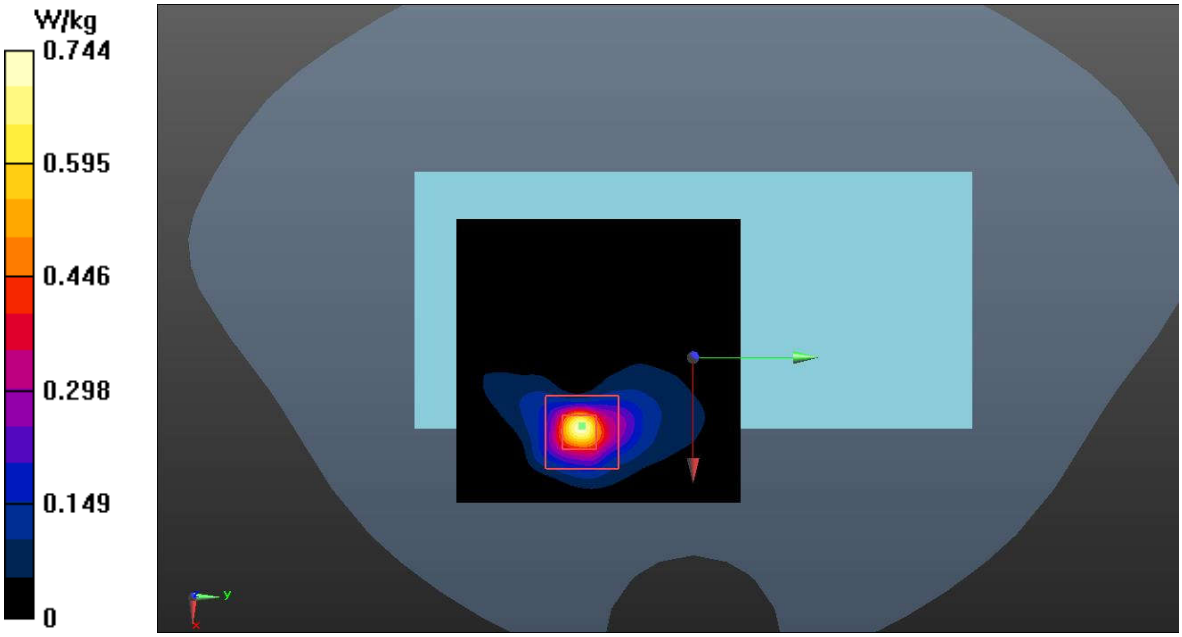


Fig.77 WLAN 5GHz Body

WLAN 5GHz Body-Close
Date: 2022-12-12
Electronics: DAE4 Sn1527
Medium: Head 5750MHz
Medium parameters used (interpolated): f = 5825 MHz; σ = 5.224 S/m; ε_r = 35.652; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI 5G (0) Frequency: 5825 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.40, 5.40, 5.40)

Rear Side Ch.165/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.949 W/kg

Rear Side Ch.165/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.5280 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 1.05 W/kg

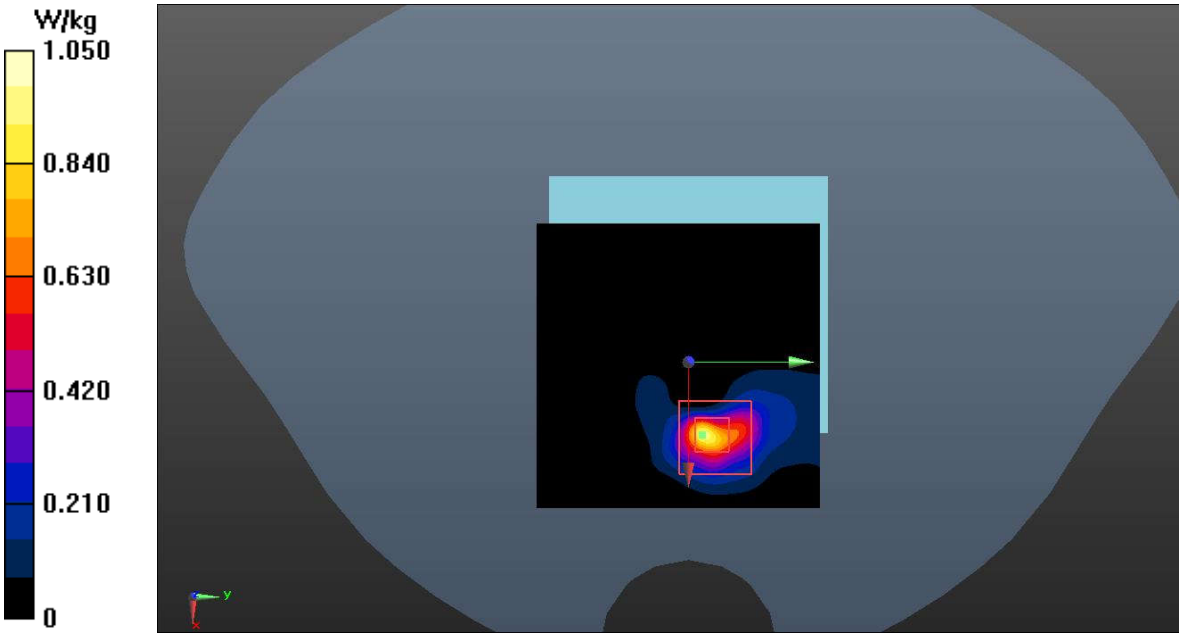


Fig.78 WLAN 5GHz Body

WLAN 5GHz Extremity-Open
Date: 2022-12-11
Electronics: DAE4 Sn1527
Medium: Head 5600MHz
Medium parameters used: f = 5620 MHz; σ = 4.992 S/m; ε_r = 36.139; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI 5G (0) Frequency: 5620 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.47, 5.47, 5.47)

Top Side Ch.124/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.38 W/kg

Top Side Ch.124/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.975 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 2.35 W/kg; SAR(10 g) = 0.544 W/kg
Maximum value of SAR (measured) = 4.85 W/kg

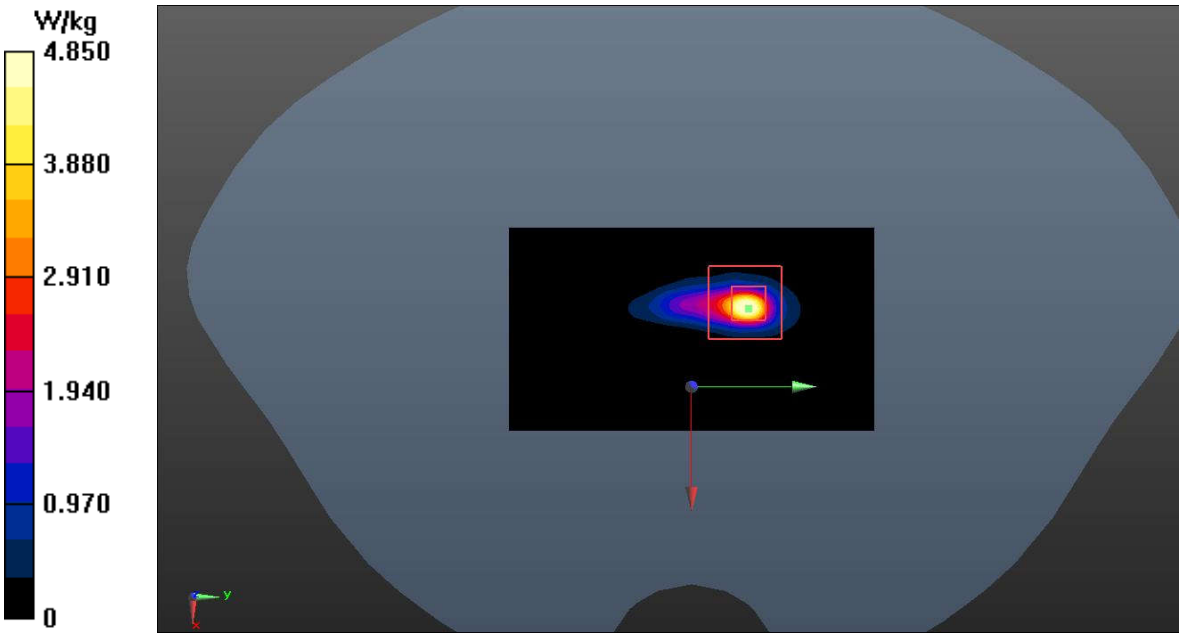


Fig.79 WLAN 5GHz Extremity

WLAN 5GHz Extremity-Close
Date: 2022-12-11
Electronics: DAE4 Sn1527
Medium: Head 5600MHz
Medium parameters used: f = 5620 MHz; σ = 4.992 S/m; ε_r = 36.139; ρ = 1000 kg/m^3
Communication System: UID 0, WIFI 5G (0) Frequency: 5620 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.47, 5.47, 5.47)

Rear Side Ch.124/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 6.70 W/kg

Rear Side Ch.124/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.45 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 3.15 W/kg; SAR(10 g) = 0.500 W/kg
Maximum value of SAR (measured) = 11.1 W/kg

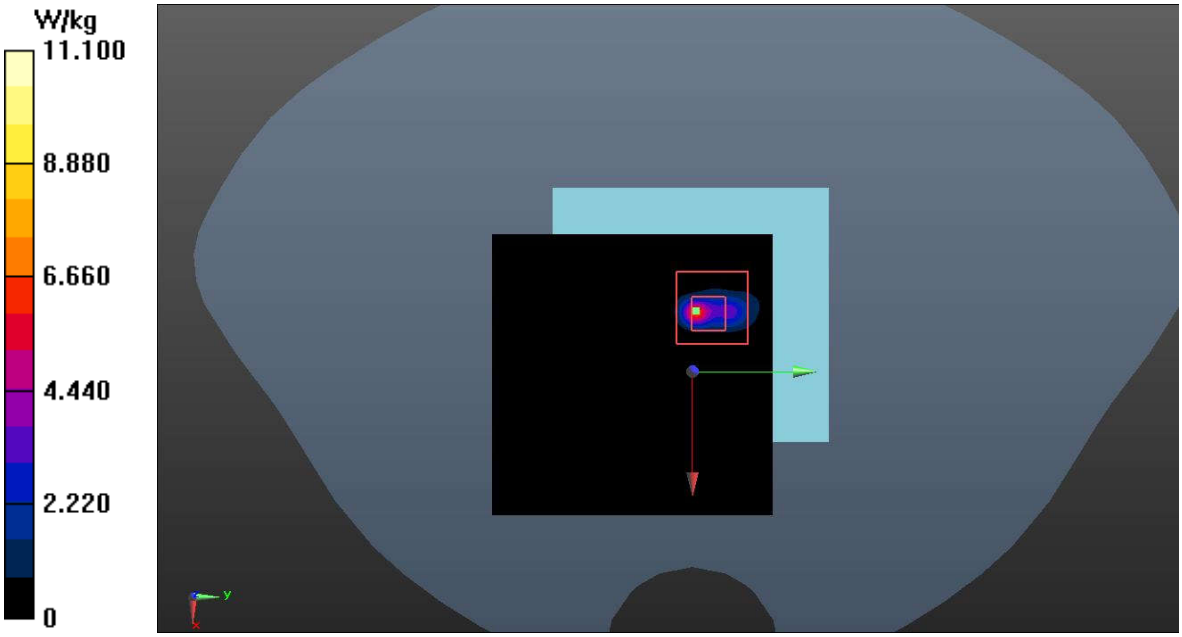


Fig.80 WLAN 5GHz Extremity

ANNEX B: SystemVerification Results

750MHz

Date: 2022-11-10

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used: f = 750 MHz; σ = 0.899 S/m; ε_r = 41.225; ρ = 1000 kg/m^3

Communication System: CW_TMC Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

System Validation/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 60.729 V/m; Power Drift = 0.03 dB

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.40 W/kg

Maximum value of SAR (interpolated) = 2.82 W/kg

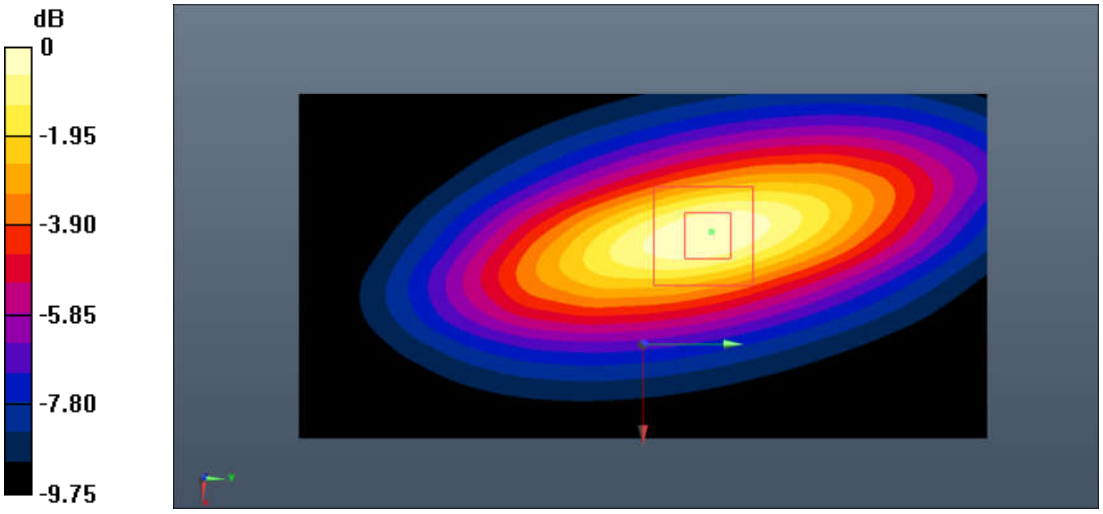
System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.729 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 2.20 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.86 W/kg



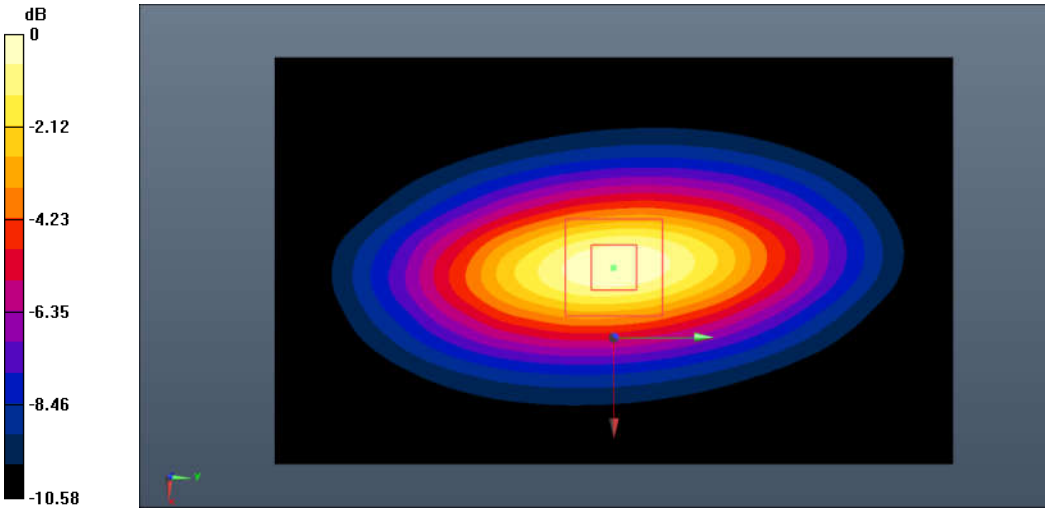
0 dB = 2.86 W/kg = 4.56 dB W/kg

Fig.B.1. Validation 750MHz 250mW

835MHz
Date: 2022-11-8
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used: f = 835 MHz; σ = 0.91 S/m; εr = 40.752; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 835 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

System Validation/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 63.342 V/m; Power Drift = 0.12 dB
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (interpolated) = 3.62 W/kg

System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.342 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 4.45 W/kg
SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.60 W/kg
Maximum value of SAR (measured) = 3.67 W/kg



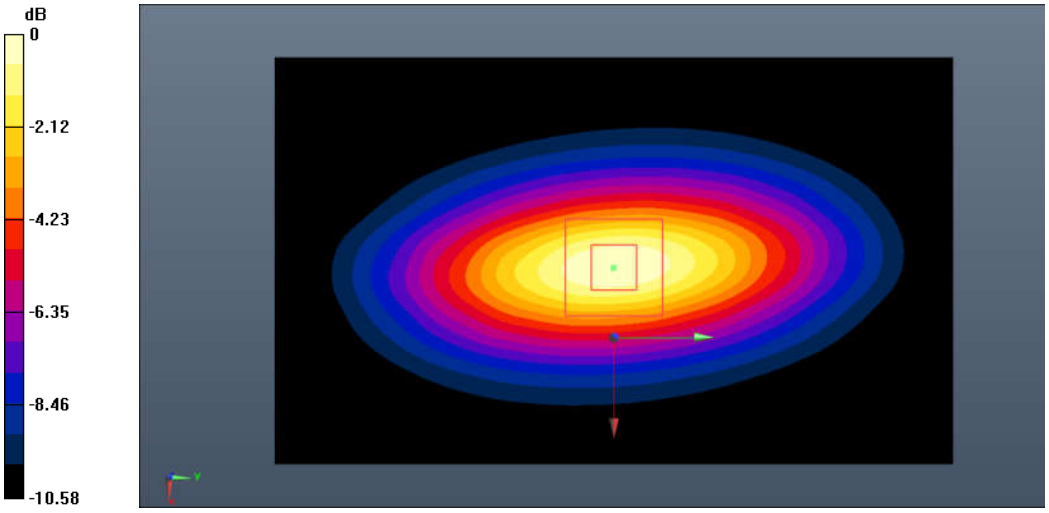
0 dB = 3.67 W/kg = 5.65 dB W/kg

Fig.B.2. Validation 835MHz 250mW

835MHz
Date: 2022-11-11
Electronics: DAE4 Sn1527
Medium: Head 835MHz
Medium parameters used: f = 835 MHz; σ = 0.882 S/m; εr = 41.944; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 835 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

System Validation/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 62.846 V/m; Power Drift = -0.07 dB
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.56 W/kg
Maximum value of SAR (interpolated) = 3.59 W/kg

System Validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.846 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.55 W/kg
Maximum value of SAR (measured) = 3.56 W/kg



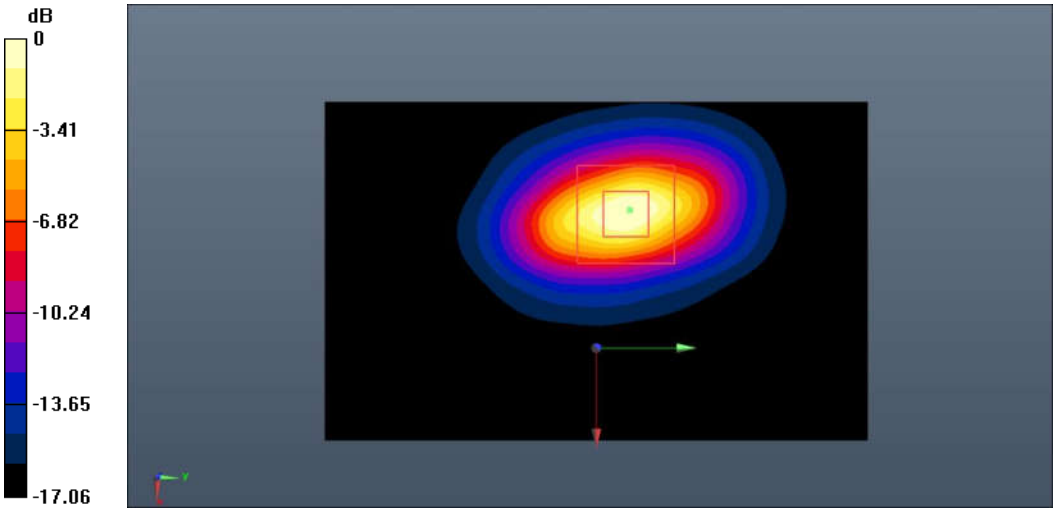
0 dB = 3.56 W/kg = 5.51 dB W/kg

Fig.B.3. Validation 835MHz 250mW

1750MHz
Date: 2022-11-14
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1750 MHz; σ = 1.362 S/m; ε_r = 39.858; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 1750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 79.054 V/m; Power Drift = -0.10 dB
SAR(1 g) = 9.02 W/kg; SAR(10 g) = 4.94 W/kg
Maximum value of SAR (interpolated) = 11.1 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 79.054 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 19.9 W/kg
SAR(1 g) = 8.75 W/kg; SAR(10 g) = 4.81 W/kg
Maximum value of SAR (measured) = 10.9 W/kg



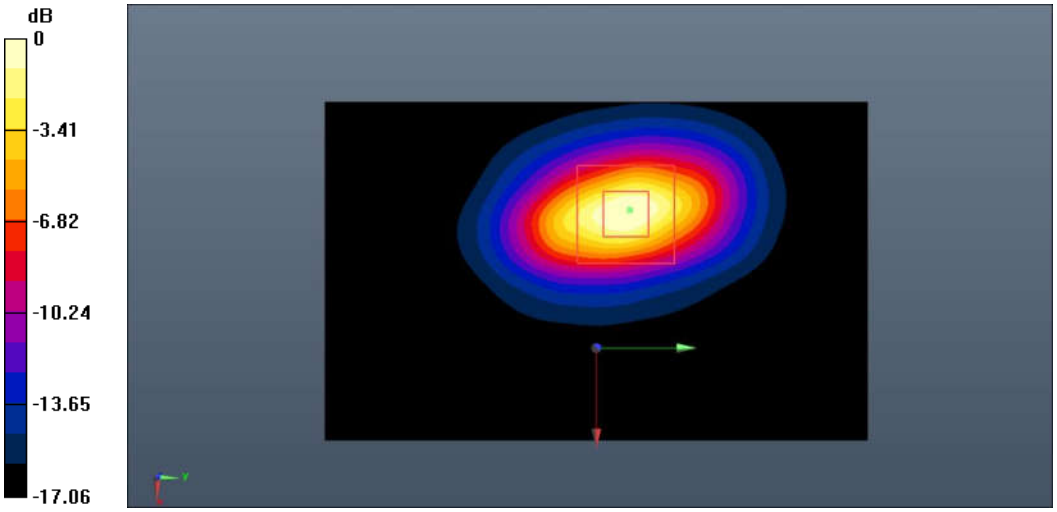
0 dB = 10.9 W/kg = 10.37 dB W/kg

Fig.B.4. Validation 1750MHz 250mW

1750MHz
Date: 2022-11-20
Electronics: DAE4 Sn1527
Medium: Head 1750MHz
Medium parameters used: f = 1750 MHz; σ = 1.385 S/m; ε_r = 39.371; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 1750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 80.756 V/m; Power Drift = 0.02 dB
SAR(1 g) = 9.28 W/kg; SAR(10 g) = 4.96 W/kg
Maximum value of SAR (interpolated) = 11.2 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 80.756 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 23.7 W/kg
SAR(1 g) = 9.41 W/kg; SAR(10 g) = 5.02 W/kg
Maximum value of SAR (measured) = 11.5 W/kg



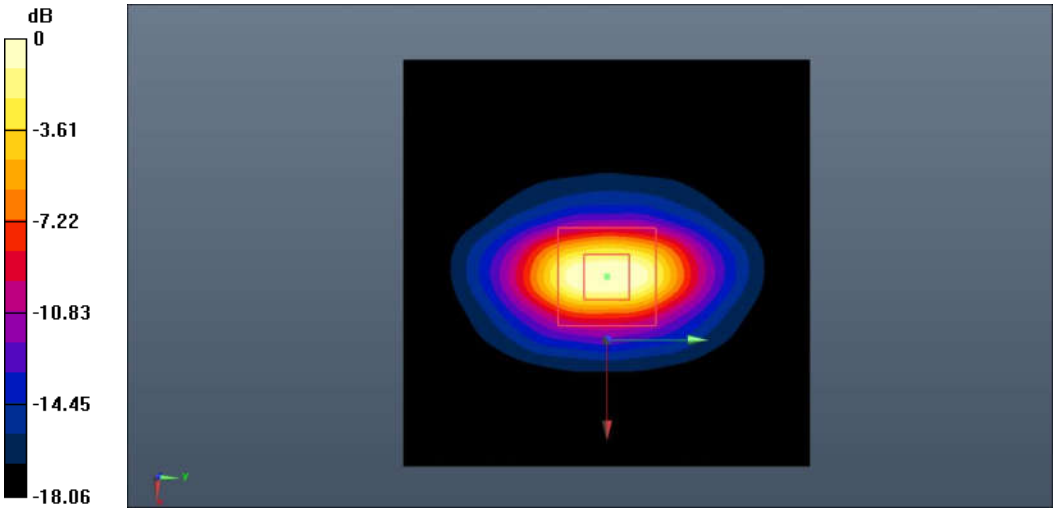
0 dB = 11.5 W/kg = 10.61 dB W/kg

Fig.B.5. Validation 1750MHz 250mW

1900MHz
Date: 2022-11-18
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.417 S/m; ε_r = 39.209; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 83.711 V/m; Power Drift = 0.05 dB
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.13 W/kg
Maximum value of SAR (interpolated) = 12.1 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.711 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 24.8 W/kg
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.19 W/kg
Maximum value of SAR (measured) = 12.3 W/kg



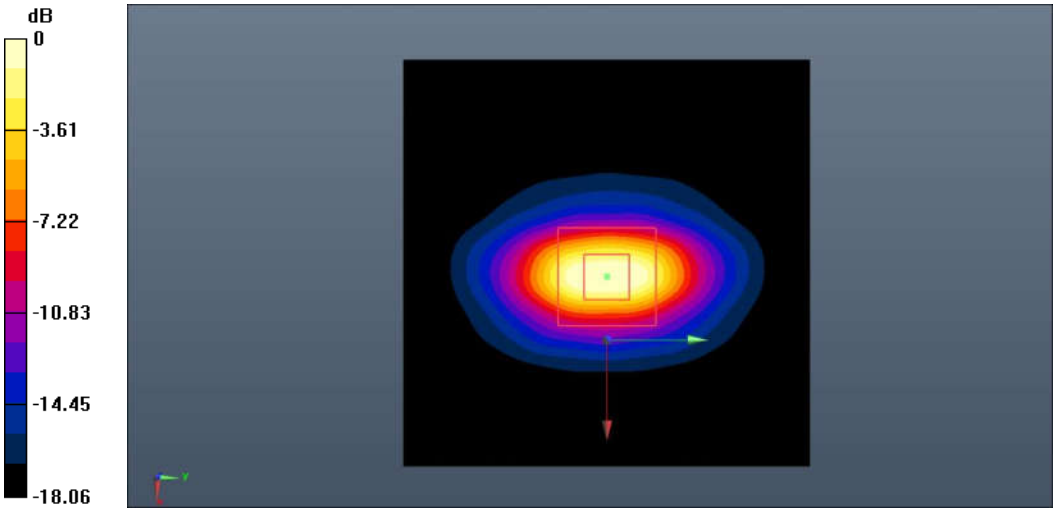
0 dB = 12.3 W/kg = 10.90 dB W/kg

Fig.B.6. Validation 1900MHz 250mW

1900MHz
Date: 2022-11-21
Electronics: DAE4 Sn1527
Medium: Head 1900MHz
Medium parameters used: f = 1900 MHz; σ = 1.433 S/m; ε_r = 38.746; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 1900 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 84.271 V/m; Power Drift = 0.11 dB
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.15 W/kg
Maximum value of SAR (interpolated) = 12.4 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.271 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 25.4 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.23 W/kg
Maximum value of SAR (measured) = 12.6 W/kg



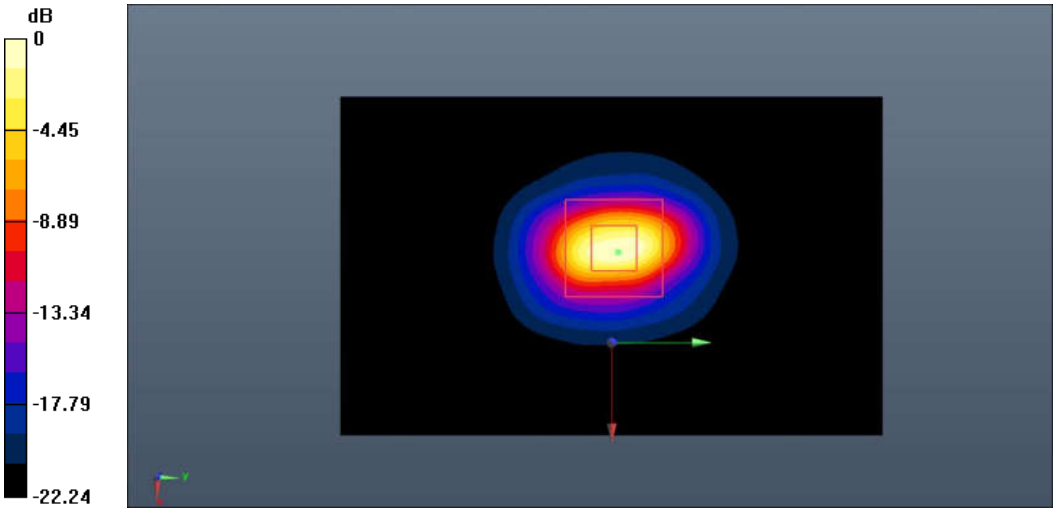
0 dB = 12.6 W/kg = 11.00 dB W/kg

Fig.B.7. Validation 1900MHz 250mW

2450MHz
Date: 2022-12-7
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used: f = 2450 MHz; σ = 1.829 S/m; ε_r = 38.393; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 90.563 V/m; Power Drift = 0.03 dB
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.04 W/kg
Maximum value of SAR (interpolated) = 15.1 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.563 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 35.2 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.11 W/kg
Maximum value of SAR (measured) = 15.4 W/kg



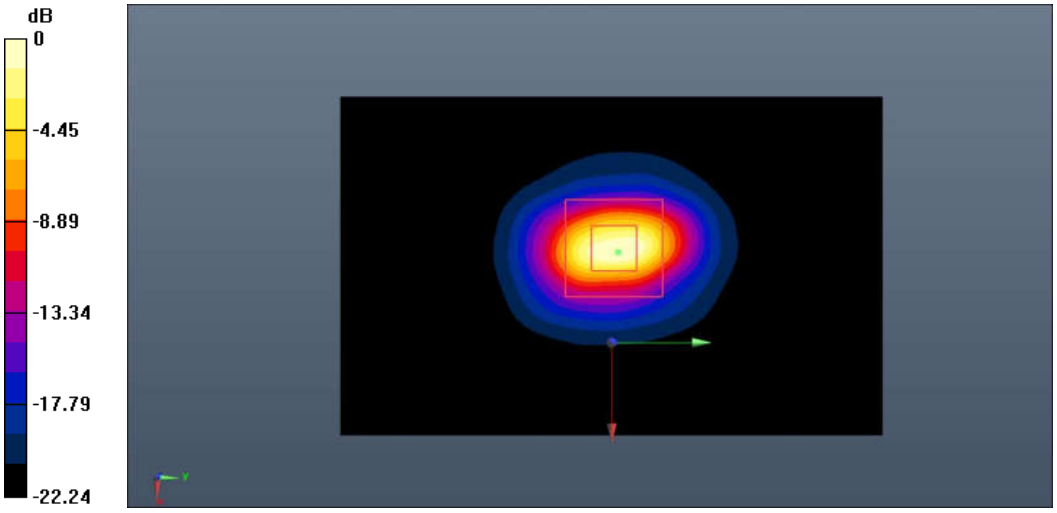
0 dB = 15.4 W/kg = 11.88 dB W/kg

Fig.B.8. Validation 2450MHz 250mW

2450MHz
Date: 2022-12-8
Electronics: DAE4 Sn1527
Medium: Head 2450MHz
Medium parameters used: f = 2450 MHz; σ = 1.837 S/m; ε_r = 38.632; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 2450 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

System Validation/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 92.064 V/m; Power Drift = 0.07 dB
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.09 W/kg
Maximum value of SAR (interpolated) = 15.6 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.064 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 36.9 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.20 W/kg
Maximum value of SAR (measured) = 15.9 W/kg



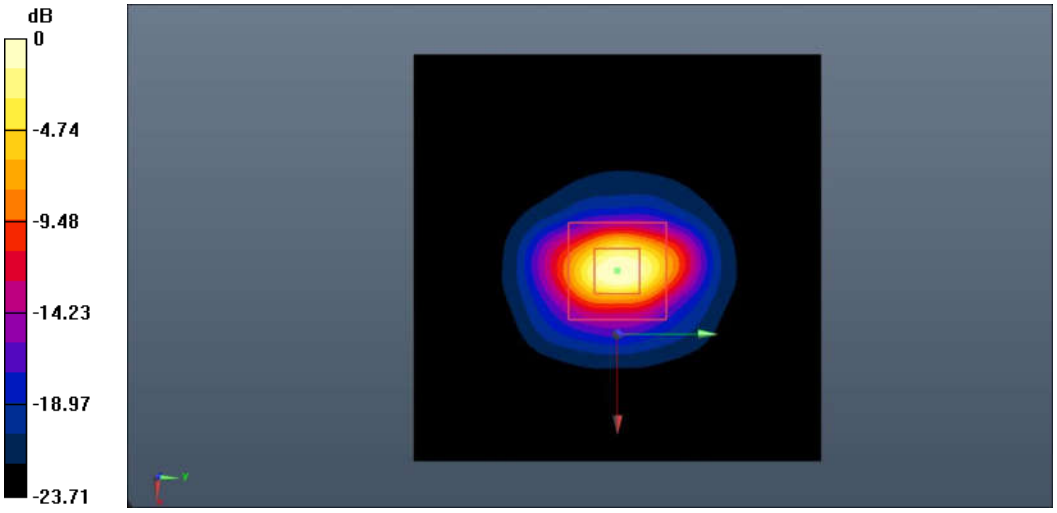
0 dB = 15.9 W/kg = 12.01 dB W/kg

Fig.B.9. Validation 2450MHz 250mW

2550MHz
Date: 2022-11-25
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; σ = 1.951 S/m; ε_r = 38.665; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 94.568 V/m; Power Drift = 0.02 dB
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.39 W/kg
Maximum value of SAR (interpolated) = 16.3 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.568 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 37.9 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.46 W/kg
Maximum value of SAR (measured) = 16.6 W/kg



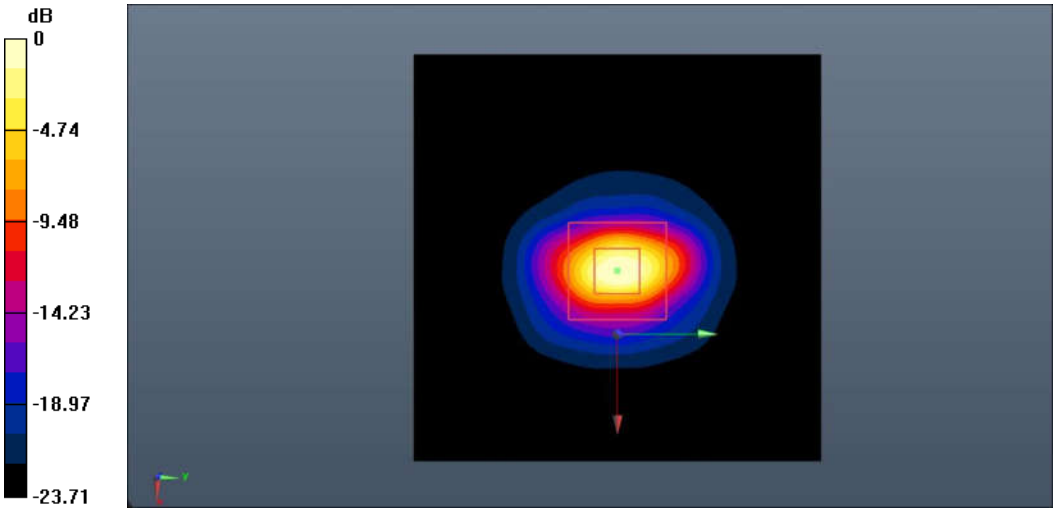
0 dB = 16.6 W/kg = 12.20 dB W/kg

Fig.B.10. Validation 2550MHz 250mW

2550MHz
Date: 2022-11-30
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; σ = 1.934 S/m; ε_r = 38.284; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 92.677 V/m; Power Drift = 0.10 dB
SAR(1 g) = 14.0 W/kg; SAR(10 g) = 6.25 W/kg
Maximum value of SAR (interpolated) = 16.0 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.677 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 37.1 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.38 W/kg
Maximum value of SAR (measured) = 16.3 W/kg



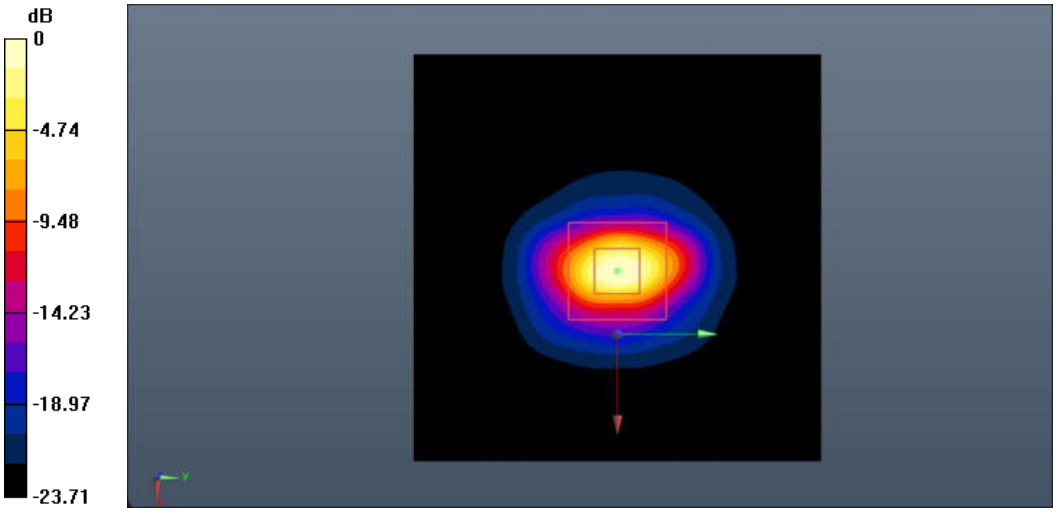
0 dB = 16.3 W/kg = 12.12 dB W/kg

Fig.B.11. Validation 2550MHz 250mW

2550MHz
Date: 2022-12-14
Electronics: DAE4 Sn1527
Medium: Head 2550MHz
Medium parameters used: f = 2550 MHz; σ = 1.889 S/m; ε_r = 39.557; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 2550 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

System Validation/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 91.558 V/m; Power Drift = -0.12 dB
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.26 W/kg
Maximum value of SAR (interpolated) = 15.7 W/kg

System Validation/Zoom Scan (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.558 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 35.4 W/kg
SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.19 W/kg
Maximum value of SAR (measured) = 15.5 W/kg



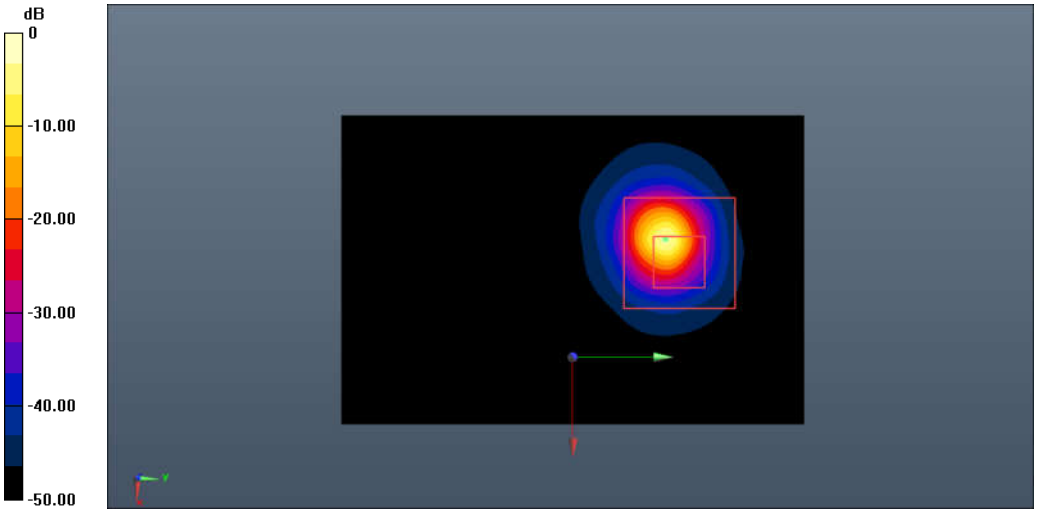
0 dB = 15.5 W/kg = 11.90 dB W/kg

Fig.B.12. Validation 2550MHz 250mW

5250MHz
Date: 2022-12-10
Electronics: DAE4 Sn1527
Medium: Head 5250MHz
Medium parameters used: f = 5250 MHz; σ = 4.776 S/m; ε_r = 35.242; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 5250 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.98, 5.98, 5.98)

System Validation/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 68.155 V/m; Power Drift = 0.08 dB
SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.30 W/kg
Maximum value of SAR (interpolated) = 10.0 W/kg

System Validation/Zoom Scan (8x8x21)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 68.155 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 26.4 W/kg
SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 10.3 W/kg



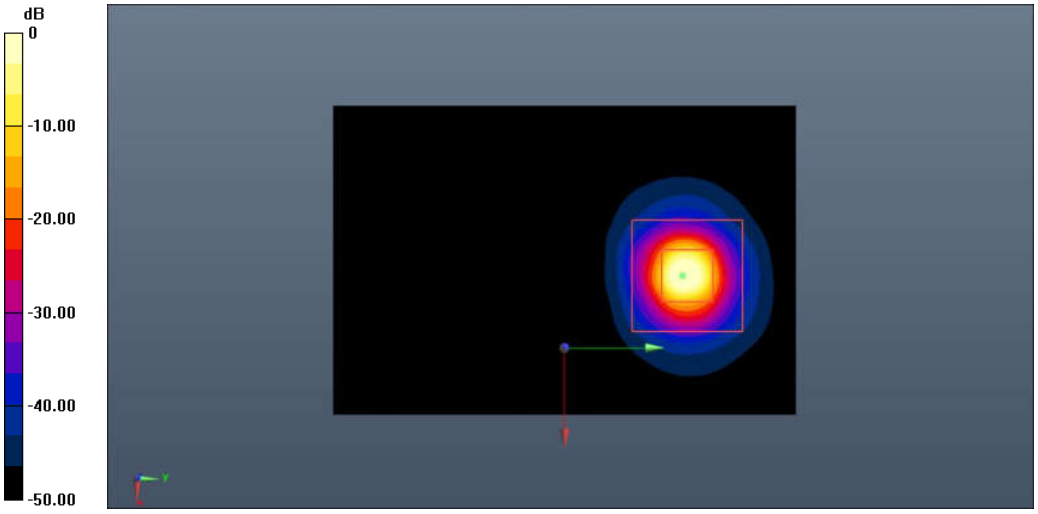
0 dB = 10.3 W/kg = 10.13 dB W/kg

Fig.B.13. Validation 5250MHz 100mW

5600MHz
Date: 2022-12-11
Electronics: DAE4 Sn1527
Medium: Head 5600MHz
Medium parameters used: f = 5600 MHz; σ = 4.965 S/m; ε_r = 36.193; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 5600 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.47, 5.47, 5.47)

System Validation/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 65.119 V/m; Power Drift = -0.10 dB
SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (interpolated) = 9.93 W/kg

System Validation/Zoom Scan (8x8x21)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.119 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 24.4 W/kg
SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.30 W/kg
Maximum value of SAR (measured) = 9.87 W/kg



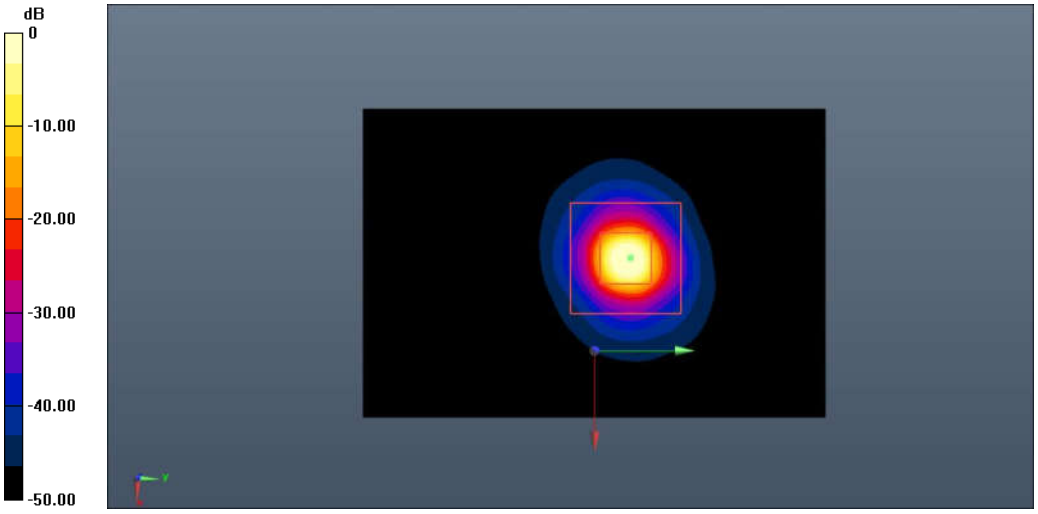
0 dB = 9.87 W/kg = 9.94 dB W/kg

Fig.B.14. Validation 5600MHz 100mW

5750MHz
Date: 2022-12-12
Electronics: DAE4 Sn1527
Medium: Head 5750MHz
Medium parameters used: f = 5750 MHz; σ = 5.123 S/m; ε_r = 35.854; ρ = 1000 kg/m^3
Communication System: CW_TMC Frequency: 5750 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN7621 ConvF (5.40, 5.40, 5.40)

System Validation/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Reference Value = 63.284 V/m; Power Drift = -0.05 dB
SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (interpolated) = 9.86 W/kg

System Validation/Zoom Scan (8x8x21)/Cube0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 63.284 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 23.2 W/kg
SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.15 W/kg
Maximum value of SAR (measured) = 9.81 W/kg



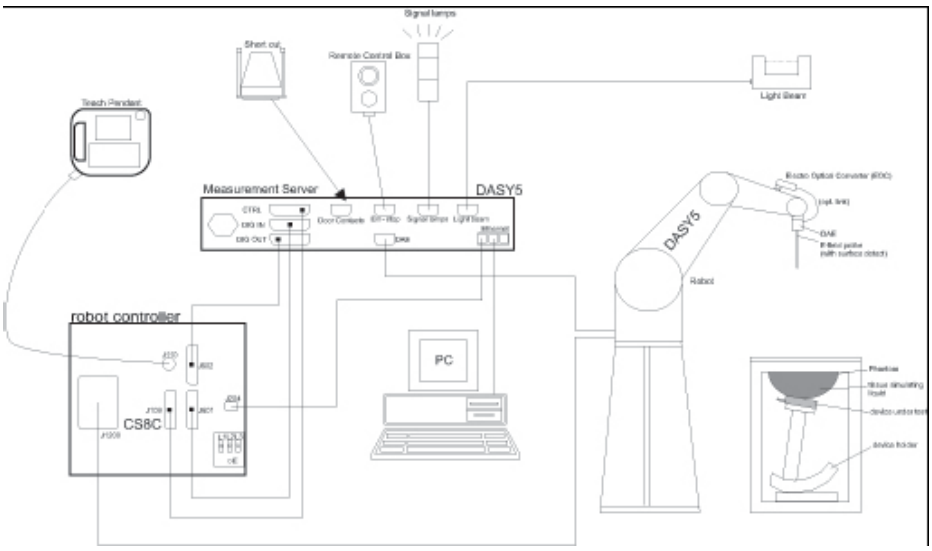
0 dB = 9.81 W/kg = 9.92 dB W/kg

Fig.B.15. Validation 5750MHz 100mW

ANNEX C: SAR Measurement Setup

C.1. Measurement Set-up

DASY5 system for performing compliance tests is illustrated above graphically. This system consists of the following items:



Picture C.1 SAR Lab Test Measurement Set-up

- A standard high precision 6-axis robot (Stäubli TX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as
- warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

C.2. DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe is constructed using the thick film technique; with printed resistive lines on ceramic substrates. The probe is equipped with an optical multifiber line ending at the front of the probe tip. It is connected to the EOC box on the robot arm and provides an automatic detection of the phantom surface. Half of the fibers are connected to a pulsed infrared transmitter, the other half to a synchronized receiver. As the probe approaches the surface, the reflection from the surface produces a coupling from the transmitting to the receiving fibers. This reflection increases first during the approach, reaches maximum and then decreases. If the probe is flatly touching the surface, the coupling is zero. The distance of the coupling maximum to the surface is independent of the surface reflectivity and largely independent of the surface to probe angle. The DASY5 software reads the reflection durning a software approach and looks for the maximum using 2ndord curve fitting. The approach is stopped at reaching the maximum.

Probe Specifications:

Model:	**ES3DV3, EX3DV4**
Frequency	**10MHz — 6.0GHz(EX3DV4)**
Range:	**10MHz — 4GHz(ES3DV3)**
Calibration:	**In head and body simulating tissue at Frequencies from 835 up to 5800MHz**
Linearity:	**± 0.2 dB(30 MHz to 6 GHz) for EX3DV4**
	± 0.2 dB(30 MHz to 4 GHz) for ES3DV3
Dynamic Range:	**10 mW/kg — 100W/kg**
Probe Length:	**330 mm**
Probe Tip Length:	**20 mm**
Body Diameter:	**12 mm**
Tip Diameter:	**2.5 mm (3.9 mm for ES3DV3)**
Tip-Center:	**1 mm (2.0mm for ES3DV3)**
Application:	**SAR Dosimetry Testing**
	Compliance tests of mobile phones
	Dosimetry in strong gradient fields

Picture C.2 Near-field Probe

Picture C.3 E-field Probe

C.3. E-field Probe Calibration

Each E-Probe/Probe Amplifier combination has unique calibration parameters. A TEM cell calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm^2) using an RF Signal generator, TEM cell, and RF Power Meter.

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and inn a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1 mW/ cm^2.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C\frac{\Delta T}{\Delta t}$$

Where:

Δt = Exposure time (30 seconds),

C = Heat capacity of tissue (brain or muscle),

ΔT = Temperature increase due to RF exposure.

$$SAR = \frac{|E|^2 \cdot \sigma}{\rho}$$

Where:

σ = Simulated tissue conductivity,

ρ = Tissue density (kg/m^3).

C.4. Other Test Equipment

C.4.1. Data Acquisition Electronics (DAE)

The data acquisition electronics consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

PictureC.4: DAE

C.4.2. Robot

The SPEAG DASY system uses the high precision robots (DASY5: RX160L) type from Stäubli SA (France). For the 6-axis controller system, the robot controller version from Stäubli is used. The Stäubli robot series have many features that are important for our application:

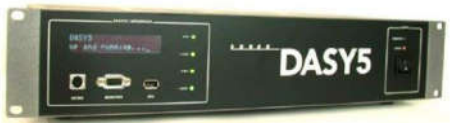
- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchron motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

Picture C.5 DASY 5

C.4.3. Measurement Server

The Measurement server is based on a PC/104 CPU broad with CPU (DASY5: 400 MHz, Intel Celeron), chipdisk (DASY5:128MB), RAM (DASY5:128MB). The necessary circuits for communication with the DAE electronic box, as well as the 16 bit AD converter system for optical detection and digital I/O interface are contained on the DASY I/O broad, which is directly connected to the PC/104 bus of the CPU broad.

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized pinout, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.



Picture C.6 Server for DASY 5

C.4.4. Device Holder for Phantom

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5mm distance, a positioning uncertainty of ±0.5mm would produce a SAR uncertainty of ±20%. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.

The DASY device holder is constructed of low-loss

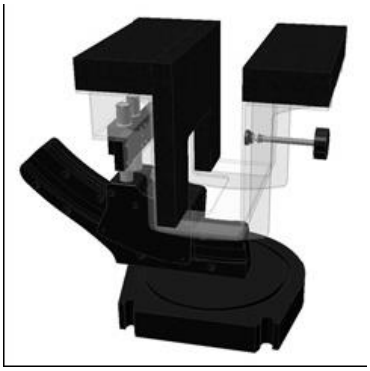
POM material having the following dielectric

parameters: relative permittivity ε =3 and loss tangent δ =0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

<Laptop Extension Kit>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

Picture C.7-1: Device Holder



Picture C.7-2: Laptop Extension Kit

C.4.5. Phantom

The SAM Twin Phantom V4.0 is constructed of a fiberglass shell integrated in a table. The shape of the shell is based on data from an anatomical study designed to

Represent the 90th percentile of the population. The phantom enables the dissymmetric evaluation of SAR for both left and right handed handset usage, as well as body-worn usage using the flat phantom region. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. The shell phantom has a 2mm shell thickness (except the ear region where shell thickness increases to 6 mm).

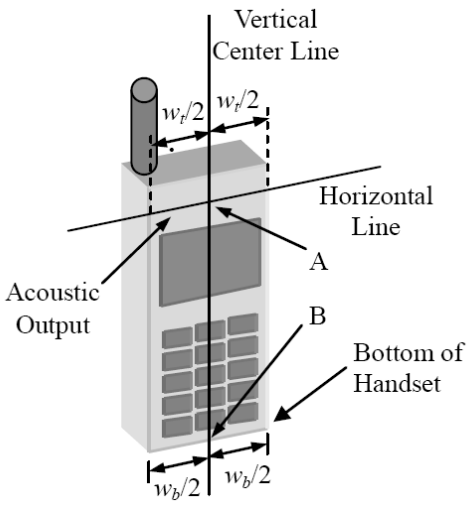
Shell Thickness:	2 ± 0. 2 mm
Filling Volume:	Approx. 25 liters
Dimensions:	810 x l000 x 500 mm (H x L x W)
Available:	Special

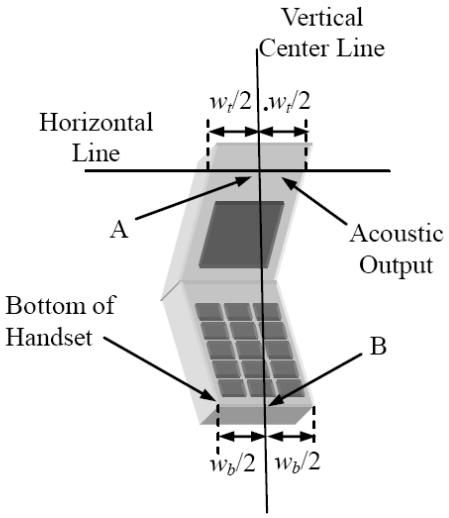
Picture C.8: SAM Twin Phantom

ANNEX D: Position of the wireless device in relation to the phantom

D.1. General considerations

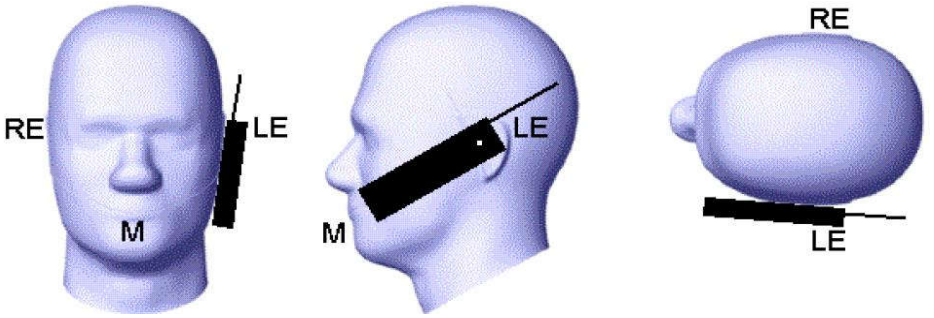
This standard specifies two handset test positions against the head phantom – the “cheek” position and the “tilt” position.



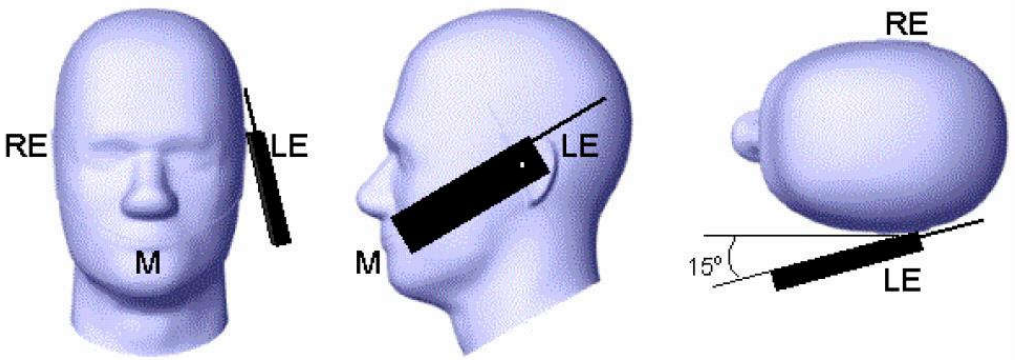


w_t	Width of the handset at the level of the acoustic
w_b	Width of the bottom of the handset
A	Midpoint of the width w_t of the handset at the level of the acoustic output
B	Midpoint of the width w_b of the bottom of the handset

Picture D.1-a Typical “fixed” case handset **Picture D.1-b Typical “clam-shell” case handset**



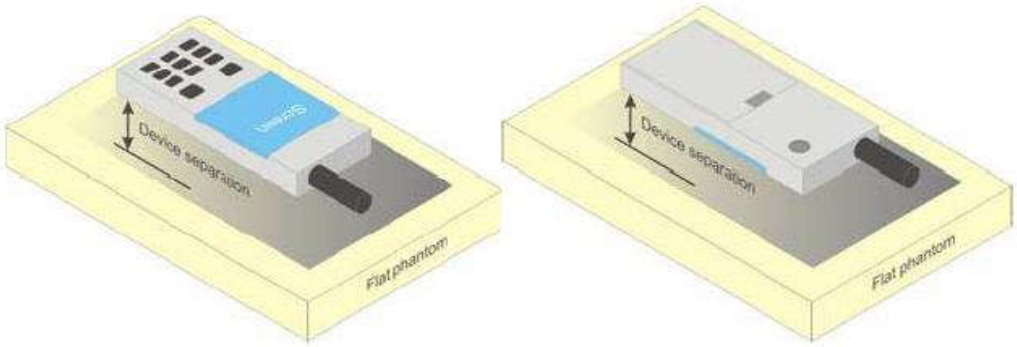
Picture D.2 Cheek position of the wireless device on the left side of SAM



Picture D.3 Tilt position of the wireless device on the left side of SAM

D.2. Body-worn device

A typical example of a body-worn device is a mobile phone, wireless enabled PDA or other battery operated wireless device with the ability to transmit while mounted on a person's body using a carry accessory approved by the wireless device manufacturer.

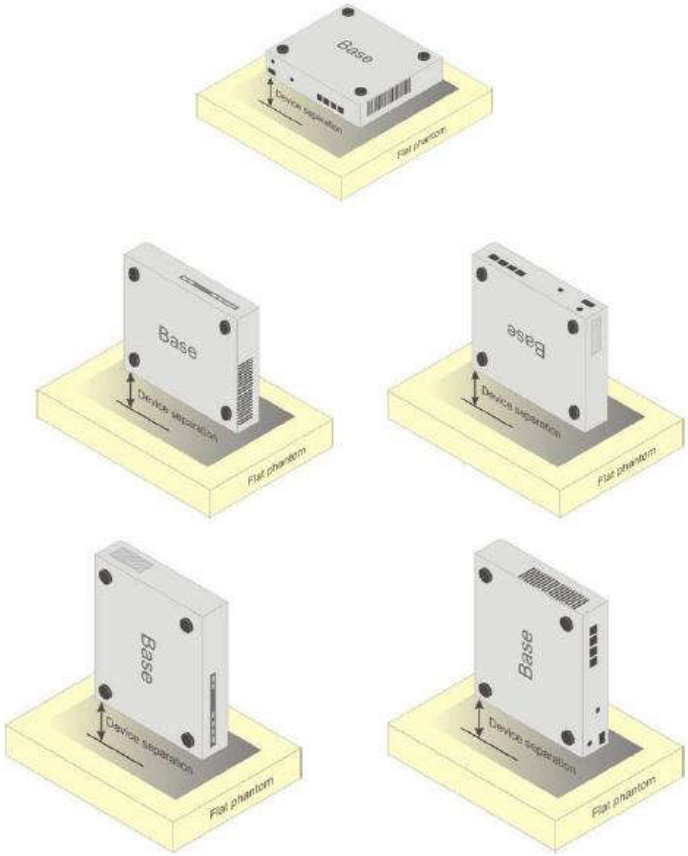


Picture D.4 Test positions for body-worn devices

D.3. Desktop device

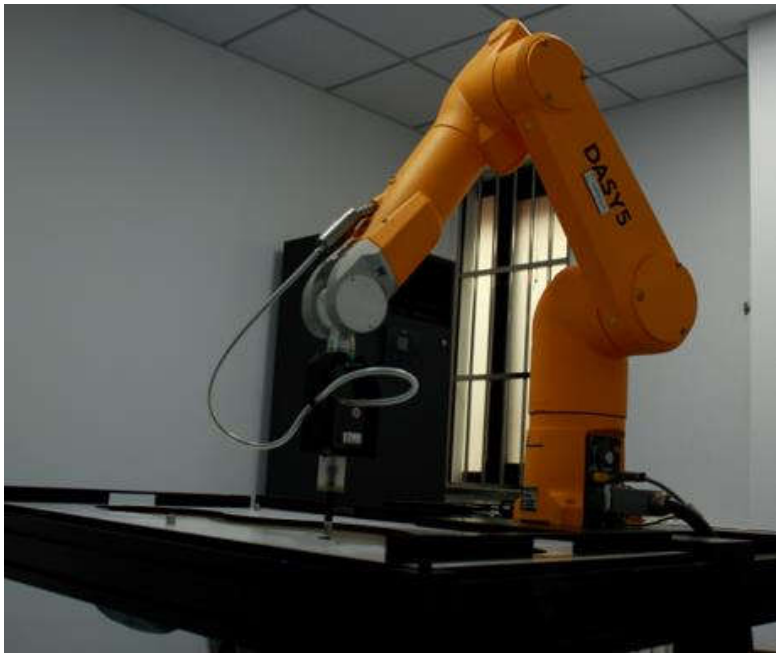
A typical example of a desktop device is a wireless enabled desktop computer placed on a table or desk when used.

The DUT shall be positioned at the distance and in the orientation to the phantom that corresponds to the intended use as specified by the manufacturer in the user instructions. For devices that employ an external antenna with variable positions, tests shall be performed for all antenna positions specified. Picture 8.5 show positions for desktop device SAR tests. If the intended use is not specified, the device shall be tested directly against the flat phantom.



Picture D.5 Test positions for desktop devices

D.4. DUT Setup Photos



Picture D.6

ANNEX E: Equivalent Media Recipes

The liquid used for the frequency range of 700-6000 MHz consisted of water, sugar, salt, preventol, glycol monobutyl and Cellulose. The liquid has been previously proven to be suited for worst-case. The Table E.1 shows the detail solution. It's satisfying the latest tissue dielectric parameters requirements proposed by the IEEE 1528 and IEC 62209.

Table E.1: Composition of the Tissue Equivalent Matter

Frequency (MHz)	835	1750	1900	2450	2600	5200	5800
Water	41.45	55.242	55.242	58.79	58.79	65.53	66.10
Sugar	56.0	/	/	/	/	/	/
Salt	1.45	0.306	0.306	0.06	0.06		
Preventol	0.1	/	/	/	/	17.24	16.95
Cellulose	1.0	/	/	/	/	17.24	16.95
Glycol Monobutyl	/	44.452	44.452	41.15	41.15	/	/
Diethylenglycol monohexylether	/	/	/	/	/	/	/
Triton X-100	/	/	/	/	/	/	/
Dielectric Parameters Target Value	ε=41.5 σ=0.90	ε=40.08 σ=1.37	ε=40.0 σ=1.40	ε=39.20 σ=1.80	ε=39.01 σ=1.96	ε=35.99 σ=4.66	ε=35.30 σ=5.27

Note: There is a little adjustment respectively for 750, 5300 and 5600, based on the recipe of closest frequency in table E.1

ANNEX F: System Validation

The SAR system must be validated against its performance specifications before it is deployed. When SAR probes, system components or software are changed, upgraded or recalibrated, these must be validated with the SAR system(s) that operates with such components.

Table F.1: System Validation

Probe SN.	Liquid name (MHz)	Validation date	Frequency point	CW Validation	Modulation Signal Validation		
					Modulation Type	Duty Factor	PAR
7621	Head 750	2022-05-09	750MHz	Pass	N/A	N/A	N/A
7621	Head 835	2022-05-09	835MHz	Pass	GMSK	Pass	N/A
7621	Head 1750	2022-05-09	1750MHz	Pass	N/A	N/A	N/A
7621	Head 1900	2022-05-09	1900MHz	Pass	GMSK	Pass	N/A
7621	Head 2450	2022-05-08	2450MHz	Pass	OFDM/TDD	Pass	Pass
7621	Head 2550	2022-05-08	2550MHz	Pass	TDD	Pass	N/A
7621	Head 3500	2022-05-10	3500MHz	Pass	TDD	Pass	N/A
7621	Head 3700	2022-05-10	3700MHz	Pass	TDD	Pass	N/A
7621	Head 3900	2022-05-10	3900MHz	Pass	TDD	Pass	N/A
7621	Head 5250	2022-05-08	5250MHz	Pass	OFDM	N/A	Pass
7621	Head 5600	2022-05-08	5600MHz	Pass	OFDM	N/A	Pass
7621	Head 5750	2022-05-08	5750MHz	Pass	OFDM	N/A	Pass