



15.2 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3			1+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
GSM	GSM850	Front	0.734	0.356	0.495	0.033	1.09			1.23			0.77		
		Back	0.421	0.737	1.175	0.077	1.16			1.60	0.01	#1	0.50		
		Left Side	0.076				0.08			0.08			0.08		
		Right Side	0.253	0.249	0.067	0.024	0.50			0.32			0.28		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.317				0.32			0.32			0.32		
	GSM1900	Front	0.744	0.356	0.495	0.033	1.10			1.24			0.78		
		Back	0.415	0.737	1.175	0.077	1.15			1.59			0.49		
		Left Side	0.034				0.03			0.03			0.03		
		Right Side	0.037	0.249	0.067	0.024	0.29			0.10			0.06		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.762				0.76			0.76			0.76		
WCDMA	Band V	Front	1.049	0.356	0.495	0.033	1.41			1.54			1.08		
		Back	0.517	0.737	1.175	0.077	1.25			1.69	0.01	#2	0.59		
		Left Side	0.086				0.09			0.09			0.09		
		Right Side	0.295	0.249	0.067	0.024	0.54			0.36			0.32		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.404				0.40			0.40			0.40		
	Band IV	Front	0.876	0.356	0.495	0.033	1.23			1.37			0.91		
		Back	0.539	0.737	1.175	0.077	1.28			1.71	0.01	#3	0.62		
		Left Side	0.045				0.05			0.05			0.05		
		Right Side	0.037	0.249	0.067	0.024	0.29			0.10			0.06		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.906				0.91			0.91			0.91		
	Band II	Front	1.020	0.356	0.495	0.033	1.38			1.52			1.05		
		Back	0.579	0.737	1.175	0.077	1.32			1.75	0.01	#4	0.66		
		Left Side	0.039				0.04			0.04			0.04		
		Right Side	0.043	0.249	0.067	0.024	0.29			0.11			0.07		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	1.140				1.14			1.14			1.14		
CDMA2000	BC10	Front	1.129	0.356	0.495	0.033	1.49			1.62	0.01	#5	1.16		
		Back	0.725	0.737	1.175	0.077	1.46			1.90	0.02	#6	0.80		
		Left Side	0.208				0.21			0.21			0.21		
		Right Side	0.439	0.249	0.067	0.024	0.69			0.51			0.46		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.646				0.65			0.65			0.65		
	BC0	Front	1.141	0.356	0.495	0.033	1.50			1.64	0.01	#7	1.17		
		Back	0.708	0.737	1.175	0.077	1.45			1.88	0.02	#8	0.79		
		Left Side	0.181				0.18			0.18			0.18		
		Right Side	0.401	0.249	0.067	0.024	0.65			0.47			0.43		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.628				0.63			0.63			0.63		
	BC1	Front	1.058	0.356	0.495	0.033	1.41			1.55			1.09		
		Back	0.518	0.737	1.175	0.077	1.26			1.69	0.01	#9	0.60		
		Left Side	0.035				0.04			0.04			0.04		
		Right Side	0.047	0.249	0.067	0.024	0.30			0.11			0.07		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	1.138				1.14			1.14			1.14		

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3			1+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
LTE	Band 12	Front	0.603	0.356	0.495	0.033	0.96			1.10			0.64		
		Back	0.365	0.737	1.175	0.077	1.10			1.54			0.44		
		Left Side	0.271				0.27			0.27			0.27		
		Right Side	0.404	0.249	0.067	0.024	0.65			0.47			0.43		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.294				0.29			0.29			0.29		
	Band 13	Front	0.560	0.356	0.495	0.033	0.92			1.06			0.59		
		Back	0.328	0.737	1.175	0.077	1.07			1.50			0.41		
		Left Side	0.110				0.11			0.11			0.11		
		Right Side	0.233	0.249	0.067	0.024	0.48			0.30			0.26		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.264				0.26			0.26			0.26		
	Band 14	Front	0.594	0.356	0.495	0.033	0.95			1.09			0.63		
		Back	0.365	0.737	1.175	0.077	1.10			1.54			0.44		
		Left Side	0.111				0.11			0.11			0.11		
		Right Side	0.224	0.249	0.067	0.024	0.47			0.29			0.25		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.292				0.29			0.29			0.29		
	Band 26	Front	1.031	0.356	0.495	0.033	1.39			1.53			1.06		
		Back	0.794	0.737	1.175	0.077	1.53			1.97	0.02	#10	0.87		
		Left Side	0.247				0.25			0.25			0.25		
		Right Side	0.505	0.249	0.067	0.024	0.75			0.57			0.53		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.668				0.67			0.67			0.67		
	Band 66	Front	0.467	0.356	0.495	0.033	0.82			0.96			0.50		
		Back	0.245	0.737	1.175	0.077	0.98			1.42			0.32		
		Left Side	0.028				0.03			0.03			0.03		
		Right Side	0.044	0.249	0.067	0.024	0.29			0.11			0.07		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.554				0.55			0.55			0.55		
	Band 25	Front	0.771	0.356	0.495	0.033	1.13			1.27			0.80		
		Back	0.399	0.737	1.175	0.077	1.14			1.57			0.48		
		Left Side	0.037				0.04			0.04			0.04		
		Right Side	0.040	0.249	0.067	0.024	0.29			0.11			0.06		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	1.095				1.10			1.10			1.10		

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3			1+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
LTE	Band 30	Front	0.565	0.356	0.495	0.033	0.92			1.06			0.60		
		Back	0.456	0.737	1.175	0.077	1.19			1.63	0.02	#11	0.53		
		Left Side	0.338				0.34			0.34			0.34		
		Right Side		0.249	0.067	0.024	0.25			0.07			0.02		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.642				0.64			0.64			0.64		
	Band 7	Front	0.751	0.356	0.495	0.033	1.11			1.25			0.78		
		Back	0.496	0.737	1.175	0.077	1.23			1.67	0.01	#12	0.57		
		Left Side	0.453				0.45			0.45			0.45		
		Right Side		0.249	0.067	0.024	0.25			0.07			0.02		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	0.962				0.96			0.96			0.96		
	Band 41	Front	0.599	0.356	0.495	0.033	0.96			1.09			0.63		
		Back	0.395	0.737	1.175	0.077	1.13			1.57			0.47		
		Left Side	0.349				0.35			0.35			0.35		
		Right Side		0.249	0.067	0.024	0.25			0.07			0.02		
		Top Side		0.490	1.175	0.054	0.49			1.18			0.05		
		Bottom Side	1.164				1.16			1.16			1.16		



15.3 Body-Worn Accessory Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3			1+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			1g SAR (W/kg)			1g SAR (W/kg)		
GSM	GSM850	Front	0.734	0.356	0.587	0.033	1.09			1.32			0.77		
		Back	0.421	0.737	0.915	0.077	1.16			1.34			0.50		
	GSM1900	Front	0.744	0.356	0.587	0.033	1.10			1.33			0.78		
		Back	0.415	0.737	0.915	0.077	1.15			1.33			0.49		
WCDMA	Band V	Front	1.049	0.356	0.587	0.033	1.41			1.64	0.01	#13	1.08		
		Back	0.517	0.737	0.915	0.077	1.25			1.43			0.59		
	Band IV	Front	0.876	0.356	0.587	0.033	1.23			1.46			0.91		
		Back	0.539	0.737	0.915	0.077	1.28			1.45			0.62		
	Band II	Front	1.020	0.356	0.587	0.033	1.38			1.61	0.01	#14	1.05		
		Back	0.579	0.737	0.915	0.077	1.32			1.49			0.66		
CDMA2000	BC10	Front	1.082	0.356	0.587	0.033	1.44			1.67	0.01	#15	1.12		
		Back	0.690	0.737	0.915	0.077	1.43			1.61	0.02	#16	0.77		
	BC0	Front	1.125	0.356	0.587	0.033	1.48			1.71	0.02	#17	1.16		
		Back	0.677	0.737	0.915	0.077	1.41			1.59			0.75		
	BC1	Front	1.002	0.356	0.587	0.033	1.36			1.59			1.04		
		Back	0.441	0.737	0.915	0.077	1.18			1.36			0.52		
LTE	Band 12	Front	0.603	0.356	0.587	0.033	0.96			1.19			0.64		
		Back	0.365	0.737	0.915	0.077	1.10			1.28			0.44		
	Band 13	Front	0.560	0.356	0.587	0.033	0.92			1.15			0.59		
		Back	0.328	0.737	0.915	0.077	1.07			1.24			0.41		
	Band 14	Front	0.594	0.356	0.587	0.033	0.95			1.18			0.63		
		Back	0.365	0.737	0.915	0.077	1.10			1.28			0.44		
	Band 26	Front	1.031	0.356	0.587	0.033	1.39			1.62	0.01	#18	1.06		
		Back	0.794	0.737	0.915	0.077	1.53			1.71	0.02	#19	0.87		
	Band 66	Front	0.467	0.356	0.587	0.033	0.82			1.05			0.50		
		Back	0.245	0.737	0.915	0.077	0.98			1.16			0.32		
	Band 25	Front	0.771	0.356	0.587	0.033	1.13			1.36			0.80		
		Back	0.399	0.737	0.915	0.077	1.14			1.31			0.48		
	Band 30	Front	0.565	0.356	0.587	0.033	0.92			1.15			0.60		
		Back	0.456	0.737	0.915	0.077	1.19			1.37			0.53		
	Band 7	Front	0.751	0.356	0.587	0.033	1.11			1.34			0.78		
		Back	0.496	0.737	0.915	0.077	1.23			1.41			0.57		
	Band 41	Front	0.599	0.356	0.587	0.033	0.96			1.19			0.63		
		Back	0.395	0.737	0.915	0.077	1.13			1.31			0.47		

15.4 Product specific 10g SAR Exposure Conditions

WWAN Band		Exposure Position	1	2	1+2		
			WWAN	5GHz WLAN	Summed 10g SAR (W/kg)	SPLSR	Case No
			10g SAR (W/kg)	10g SAR (W/kg)			
GSM	GSM1900	Front	3.580	0.825	4.41	0.06	#20
		Bottom Side	2.991		2.99		
WCDMA	Band V	Front	1.572	0.825	2.40		
		Back	0.987	0.712	1.70		
	Band IV	Front	3.614	0.825	4.44	0.06	#21
		Back	1.543	0.712	2.26		
		Bottom Side	2.937		2.94		
	Band II	Front	3.650	0.825	4.48	0.06	#22
		Back	2.607	0.712	3.32		
		Bottom Side	2.424		2.42		
CDMA2000	BC10	Front	1.220	0.825	2.05		
		Back	0.969	0.712	1.68		
		Bottom Side	0.924		0.92		
	BC0	Front	1.389	0.825	2.21		
		Back	1.062	0.712	1.77		
		Bottom Side	0.974		0.97		
	BC1	Front	3.507	0.825	4.33	0.06	#23
		Back	1.964	0.712	2.68		
		Bottom Side	3.257		3.26		
LTE	Band 13	Front	1.489	0.825	2.31		
	Band 14	Front	1.186	0.825	2.01		
	Band 66	Bottom Side	3.093		3.09		
	Band 25	Front	2.503	0.825	3.33		
		Back	1.706	0.712	2.42		
		Bottom Side	2.344		2.34		
	Band 30	Bottom Side	3.140		3.14		
	Band 7	Front	3.669	0.825	4.49	0.06	#24
		Back	2.213	0.712	2.93		
		Left Side	1.422		1.42		
		Bottom Side	1.615		1.62		
	Band 41	Front	3.490	0.825	4.32	0.06	#25
		Back	1.393	0.712	2.11		
		Bottom Side	1.414		1.41		

Remark:

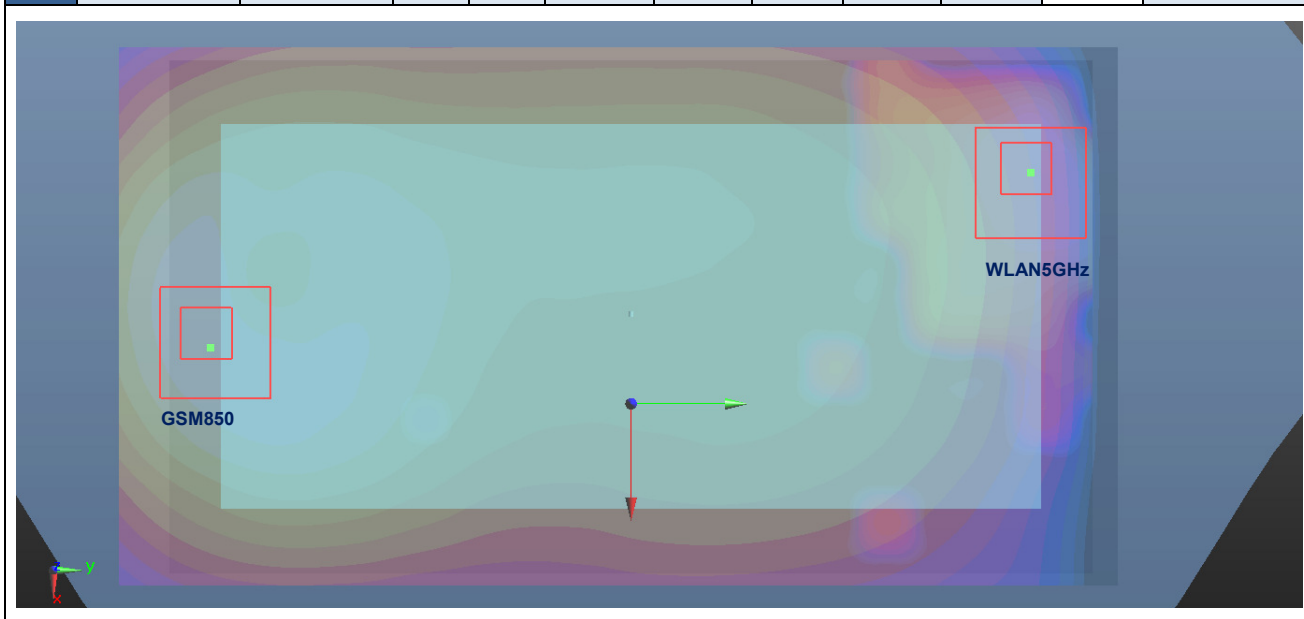
1. For Bluetooth/WLAN 2.4GHz product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.
2. SPLSR ≤ 0.10 for 10g SAR, simultaneously transmission SAR measurement is not necessary.

15.5 SPLSR Evaluation and Analysis

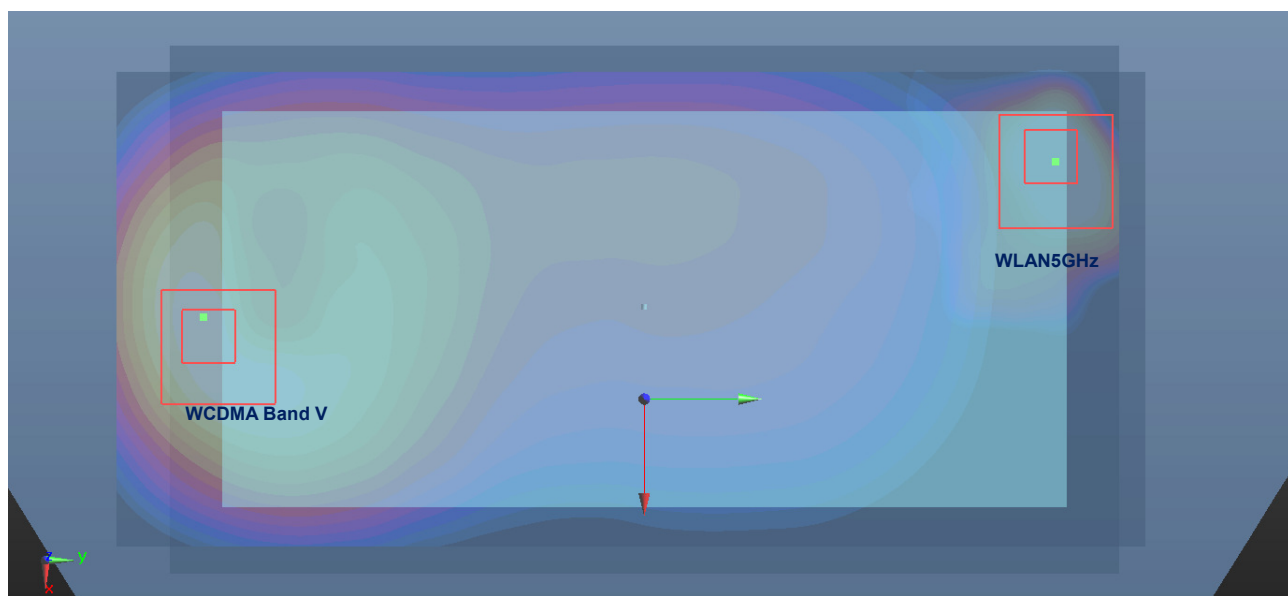
General Note:

- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.

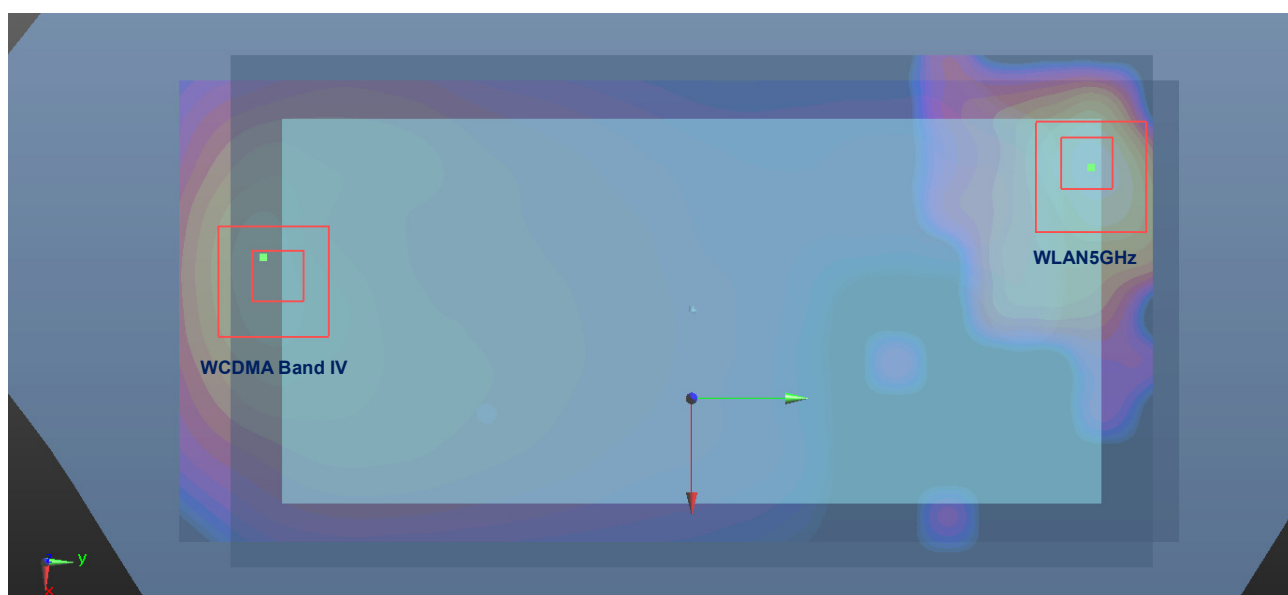
Case #1	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM850	Back	0.421	5	0.92	-8.04	-0.12	161.82	1.60	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



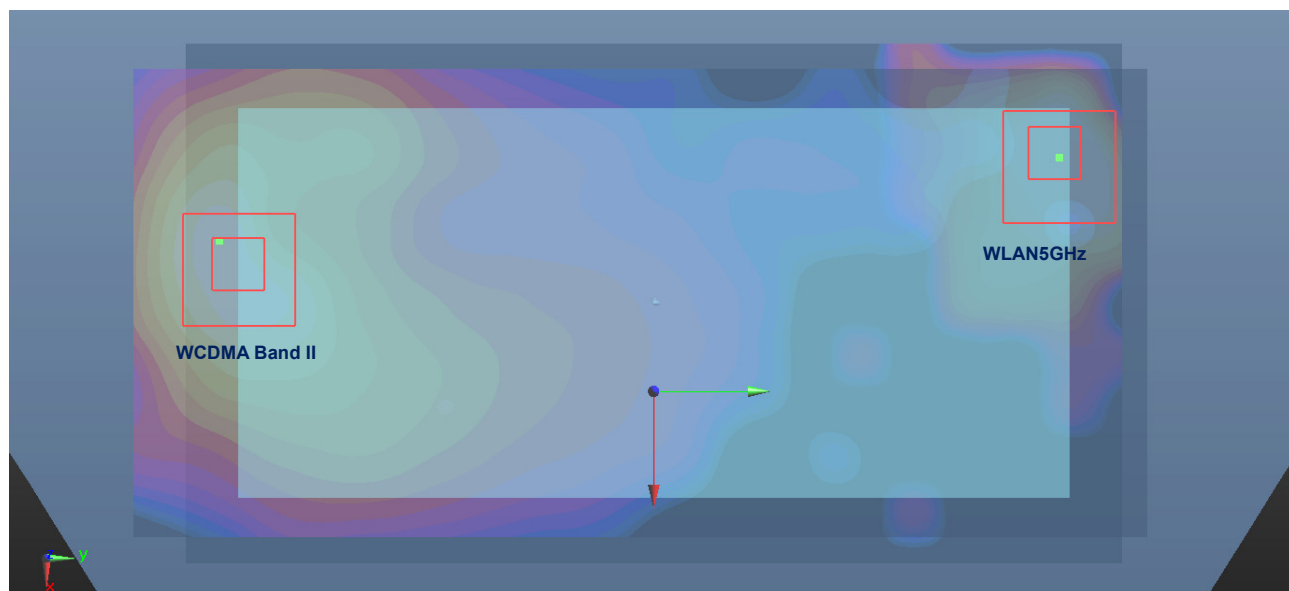
Case #2	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band V	Back	0.517	5	0.63	-8.19	-0.12	162.62	1.69	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



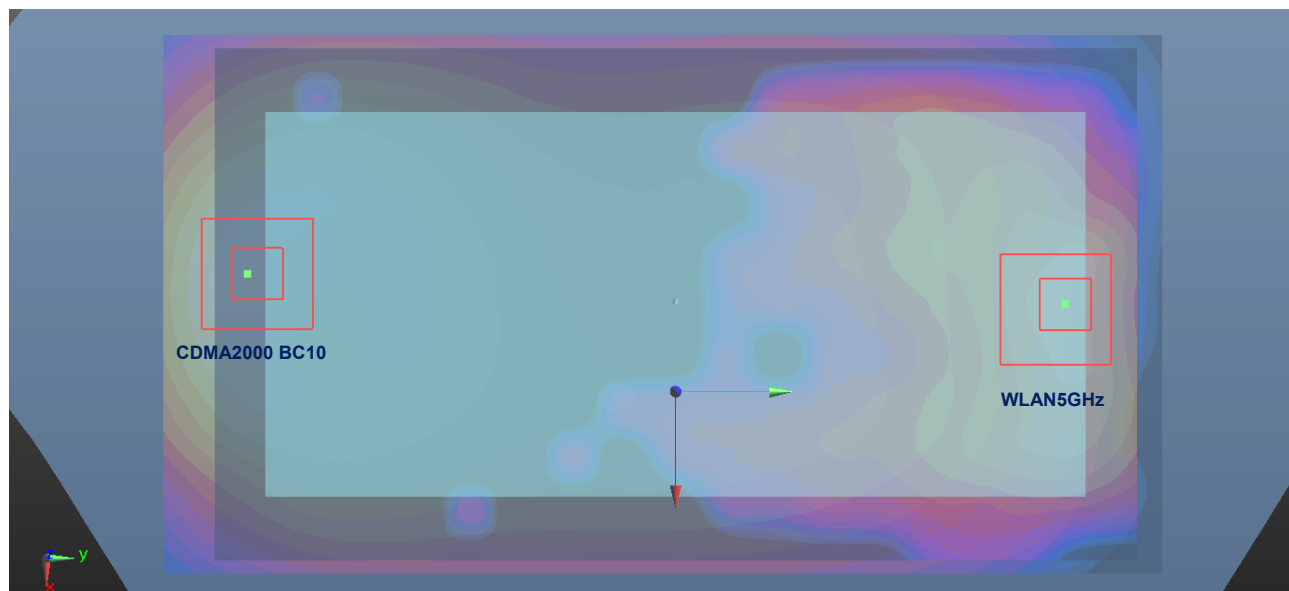
Case #3	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band IV	Back	0.539	5	0.48	-8.04	-0.11	160.83	1.71	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



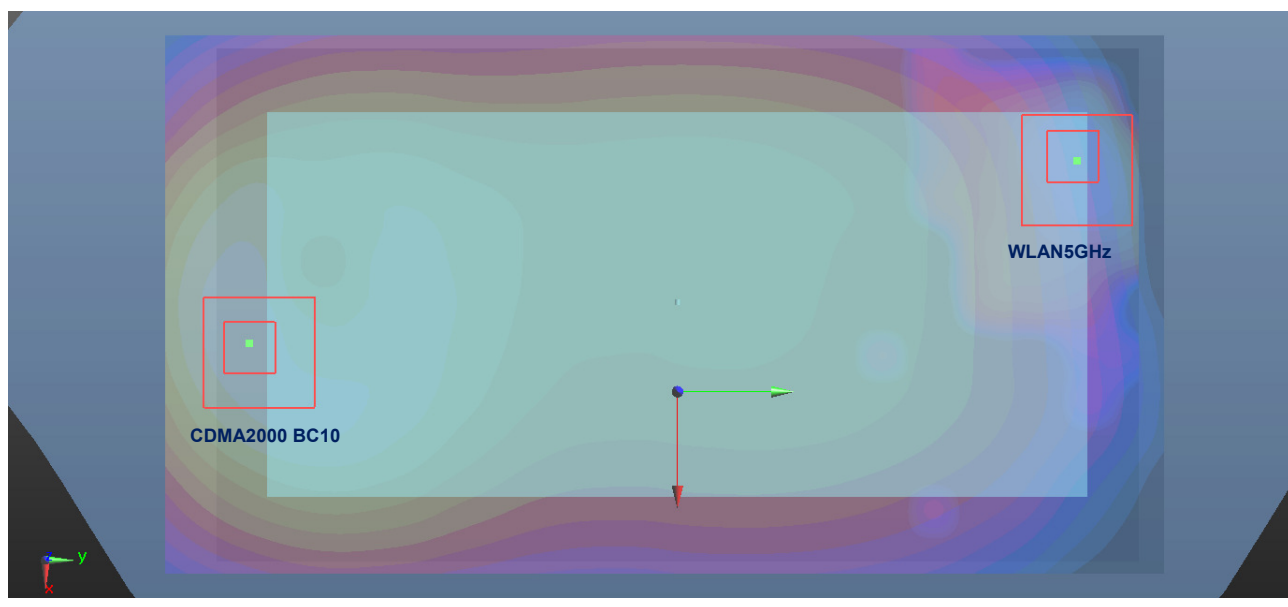
Case #4	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band II	Back	0.579	5	-0.88	-7.87	-0.12	156.83	1.75	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



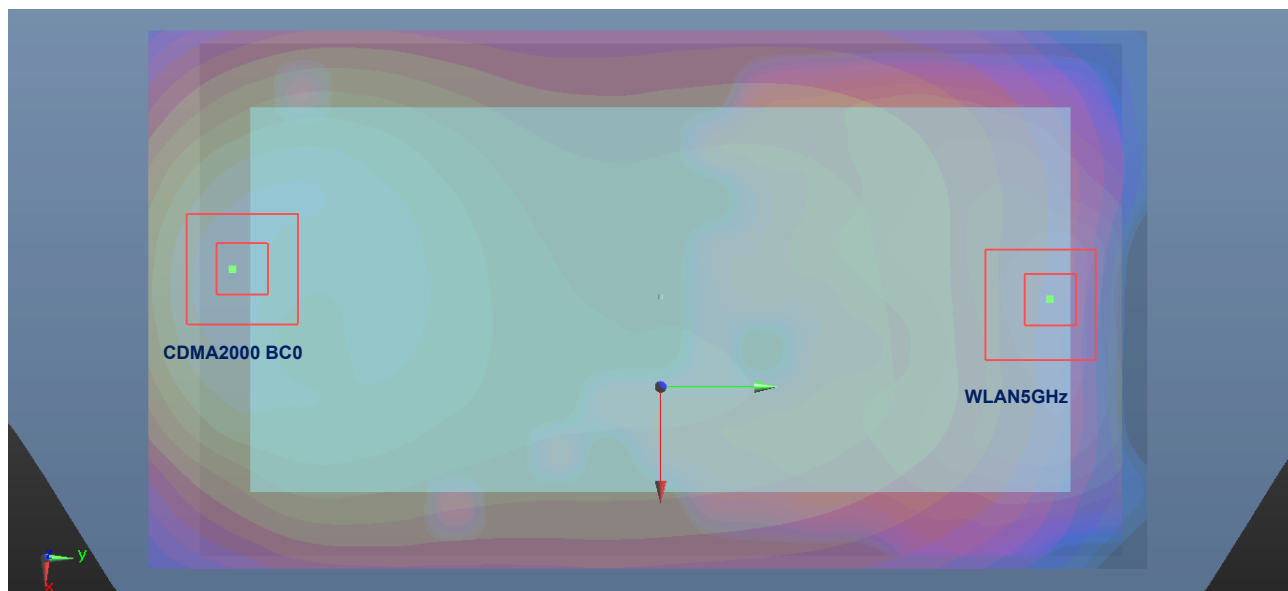
Case #5	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Front	1.129	5	-0.76	-8.03	-0.14	157.57	1.62	0.01	Not required
	WLAN5GHz		0.495	5	-0.28	7.72	-0.12				



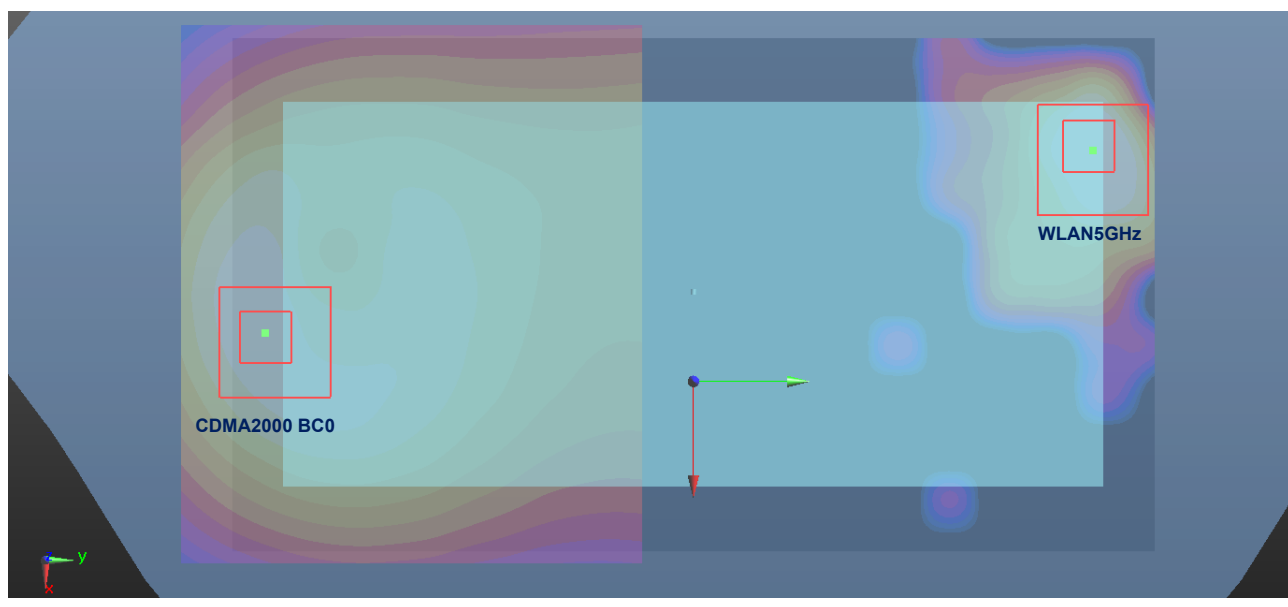
Case #6	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	0.725	5	1.07	-8.19	-0.13	163.64	1.90	0.02	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



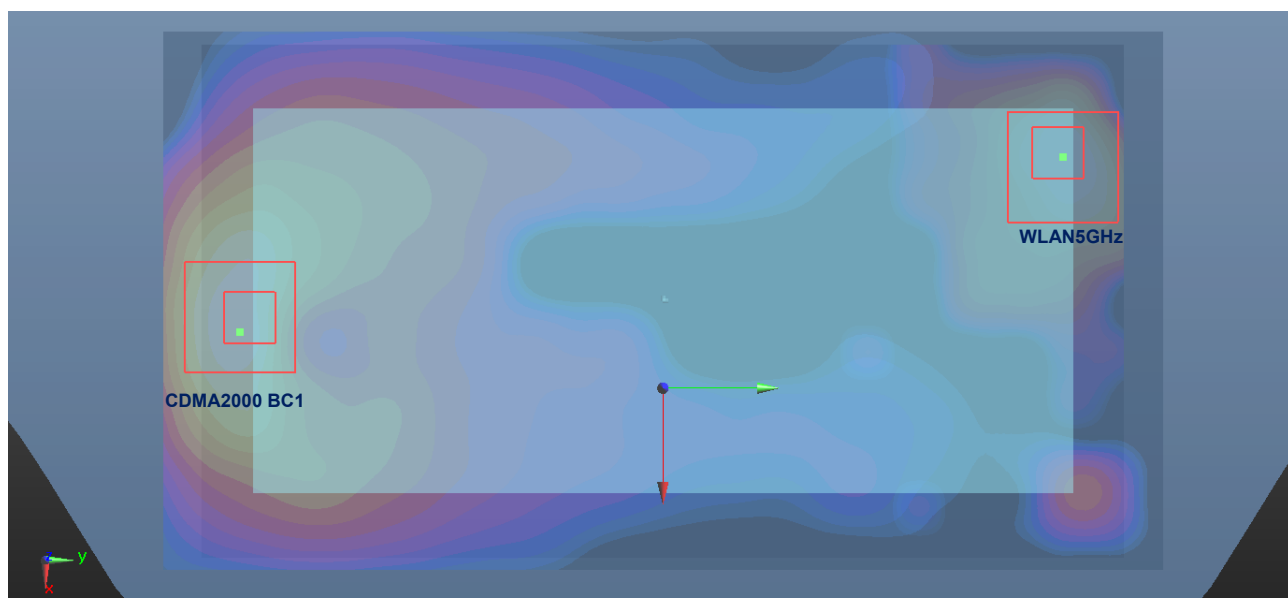
Case #7	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Front	1.141	5	-0.92	-8.03	-0.14	157.63	1.64	0.01	Not required
	WLAN5GHz		0.495	5	-0.28	7.72	-0.12				



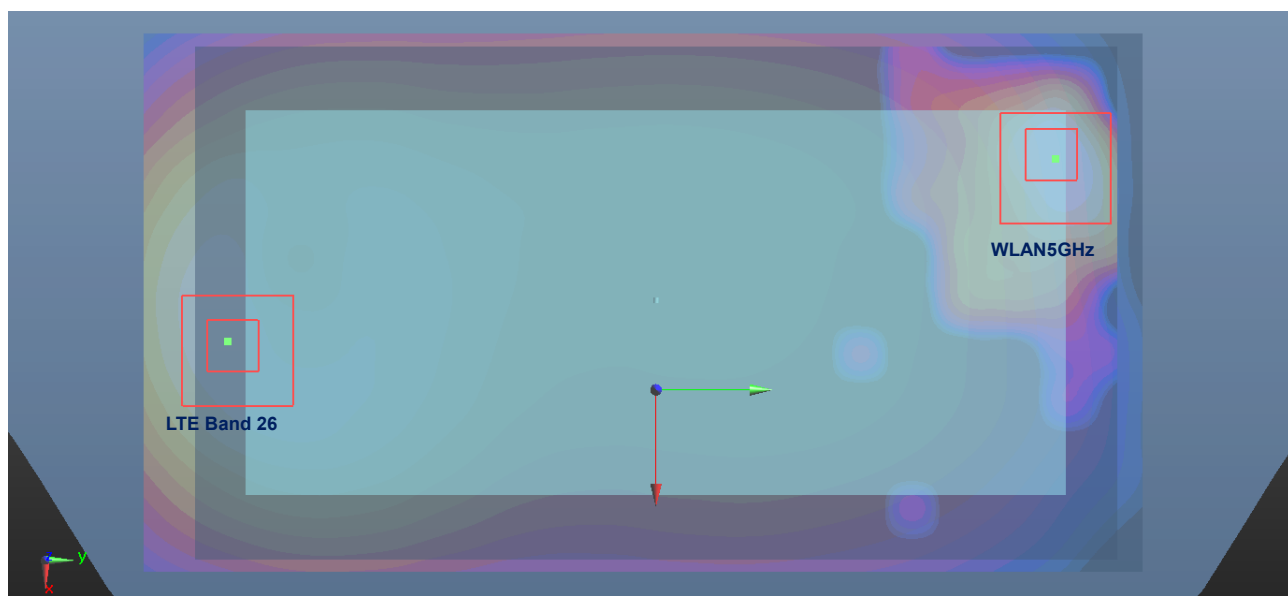
Case #8	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	0.708	5	1.071	-7.99	-0.12	161.70	1.88	0.02	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



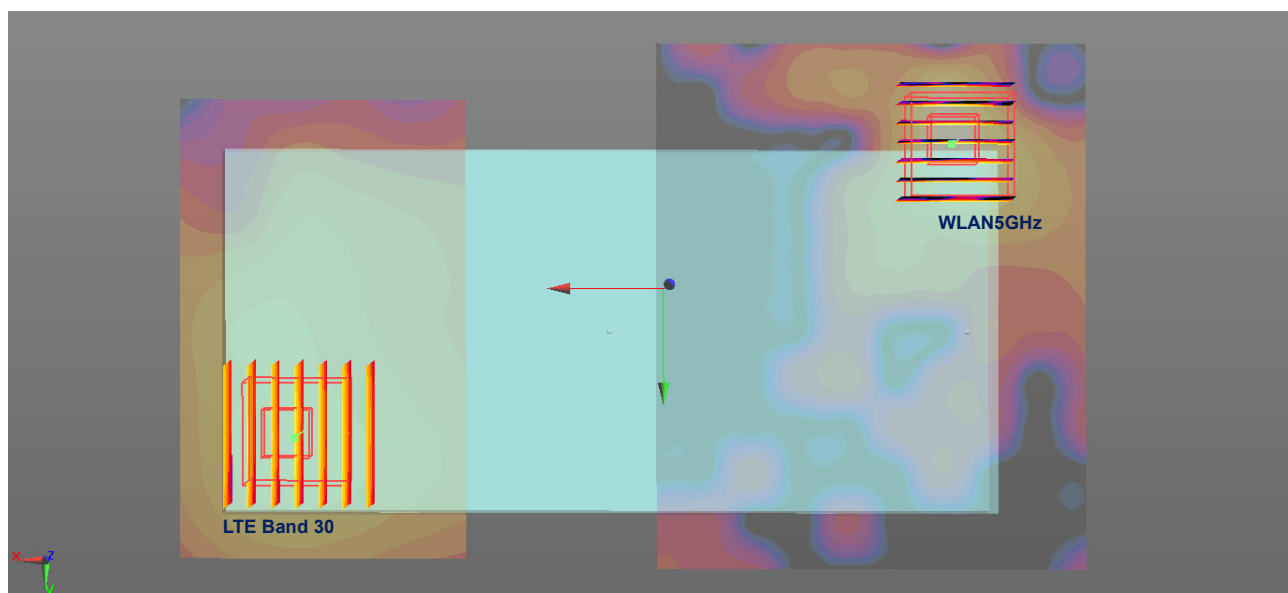
Case #9	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	0.518	5	0.44	-7.93	-0.12	159.68	1.69	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



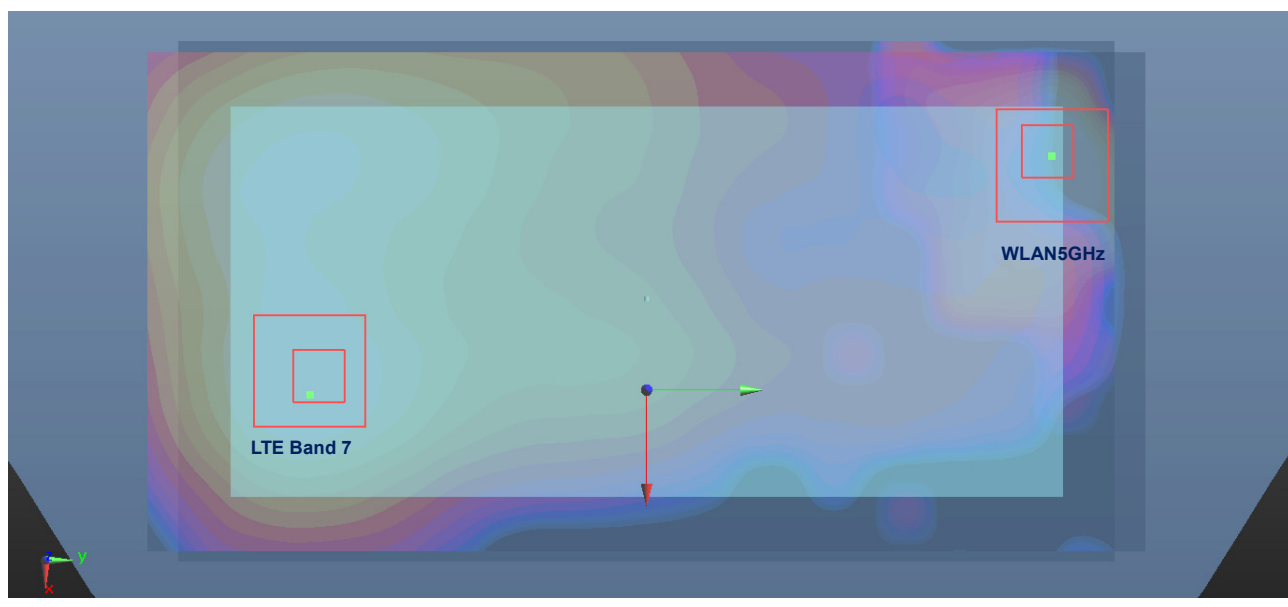
Case #10	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	0.794	5	1.23	-8.03	-0.13	162.49	1.97	0.02	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



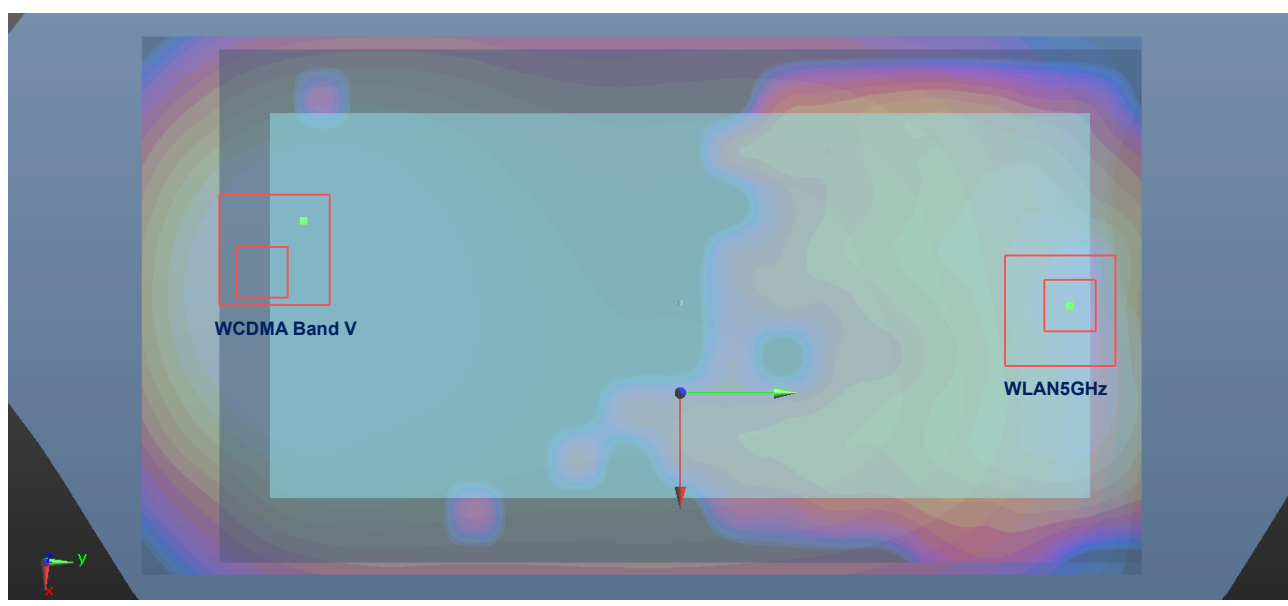
Case #11	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 30	Back	0.456	5	6.8	2.18	0.42	111.81	1.63	0.02	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



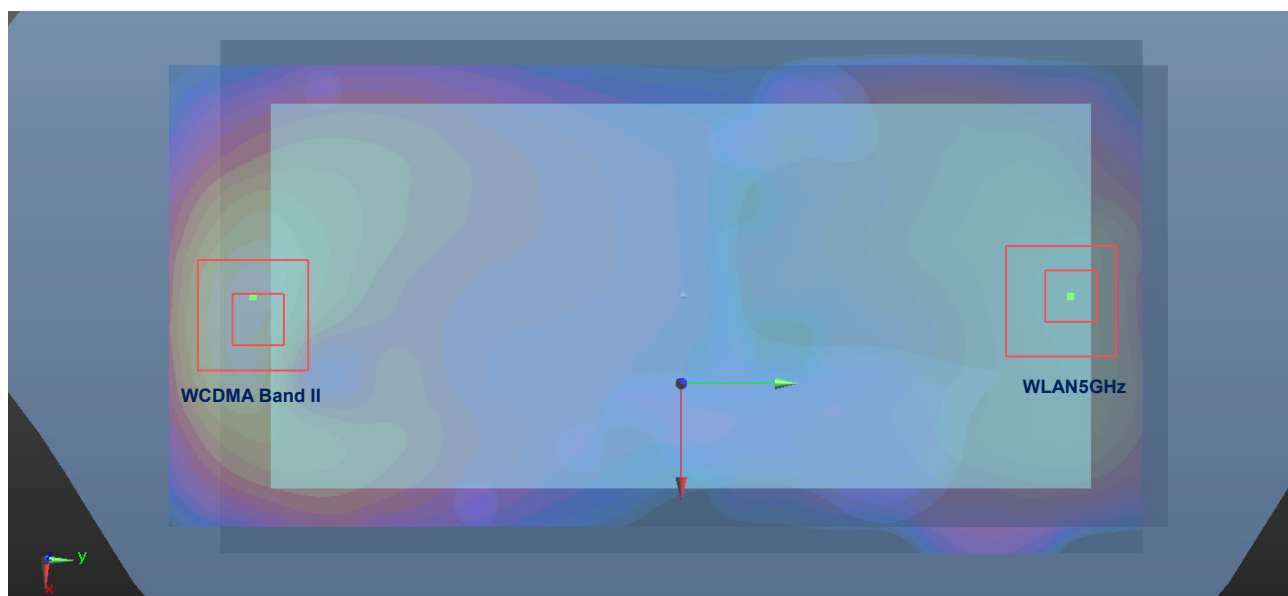
Case #12	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7	Back	0.496	5	1.6	-6.18	-0.13	145.78	1.67	0.01	Not required
	WLAN5GHz		1.175	5	-2.92	7.68	-0.12				



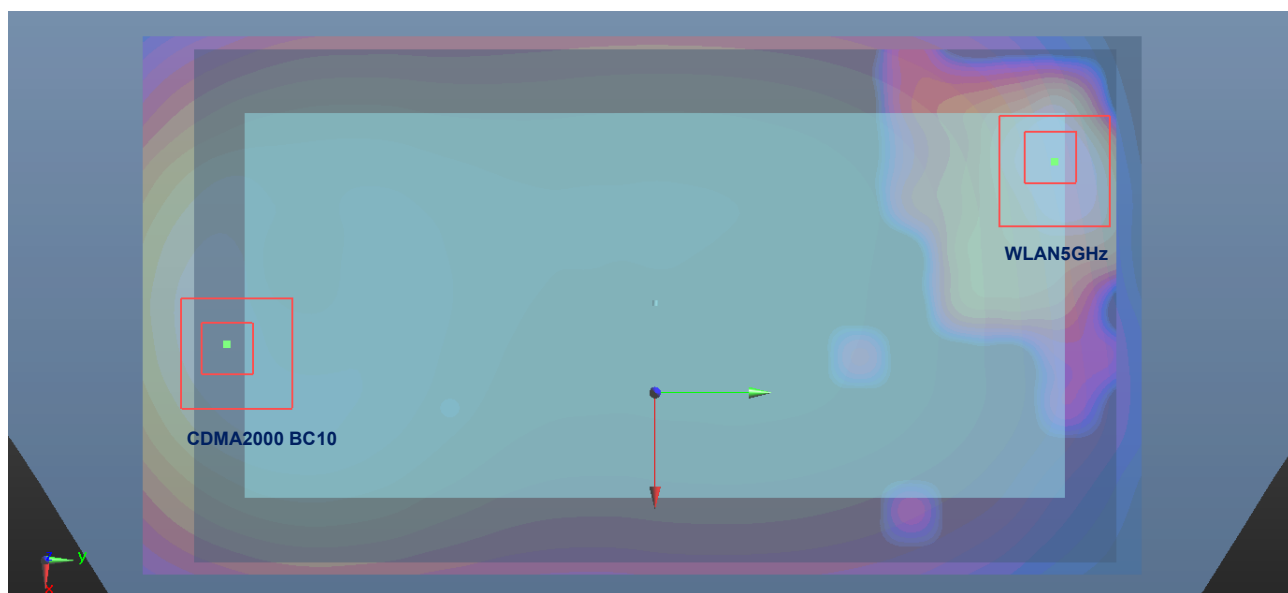
Case #13	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band V	Front	1.049	5	-0.85	-8.15	-0.14	147.91	1.64	0.01	Not required
	WLAN5GHz		0.587	5	-0.29	6.63	-0.12				



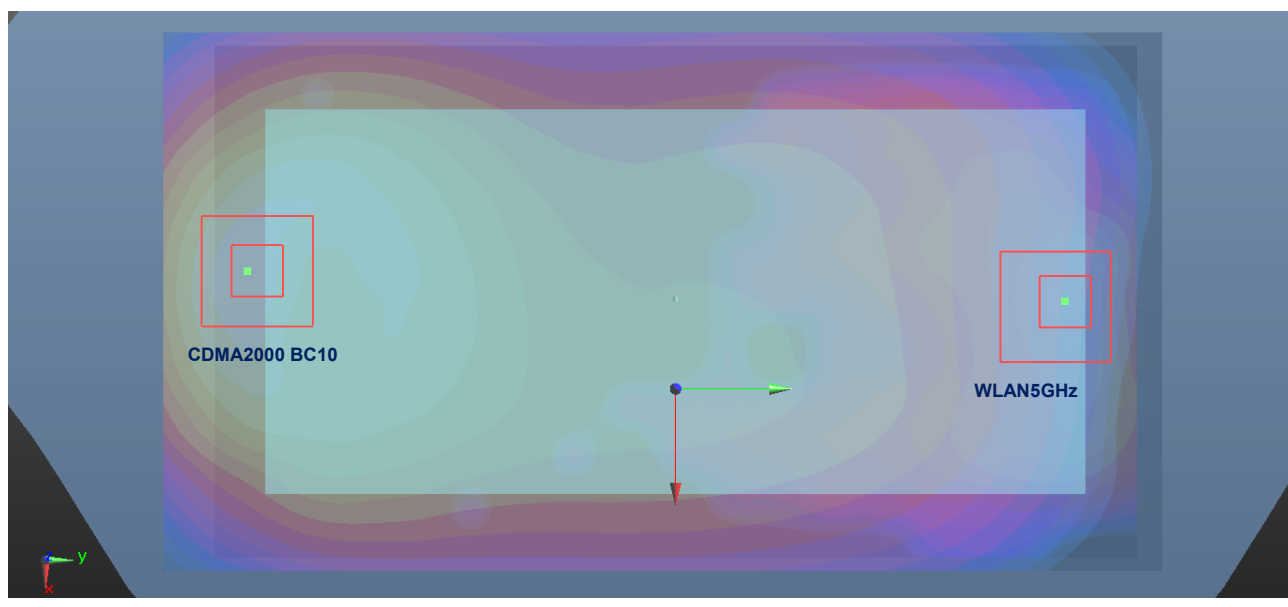
Case #14	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band II	Front	1.020	5	0.48	-8.19	-0.11	148.40	1.61	0.01	Not required
	WLAN5GHz		0.587	5	-0.29	6.63	-0.12				



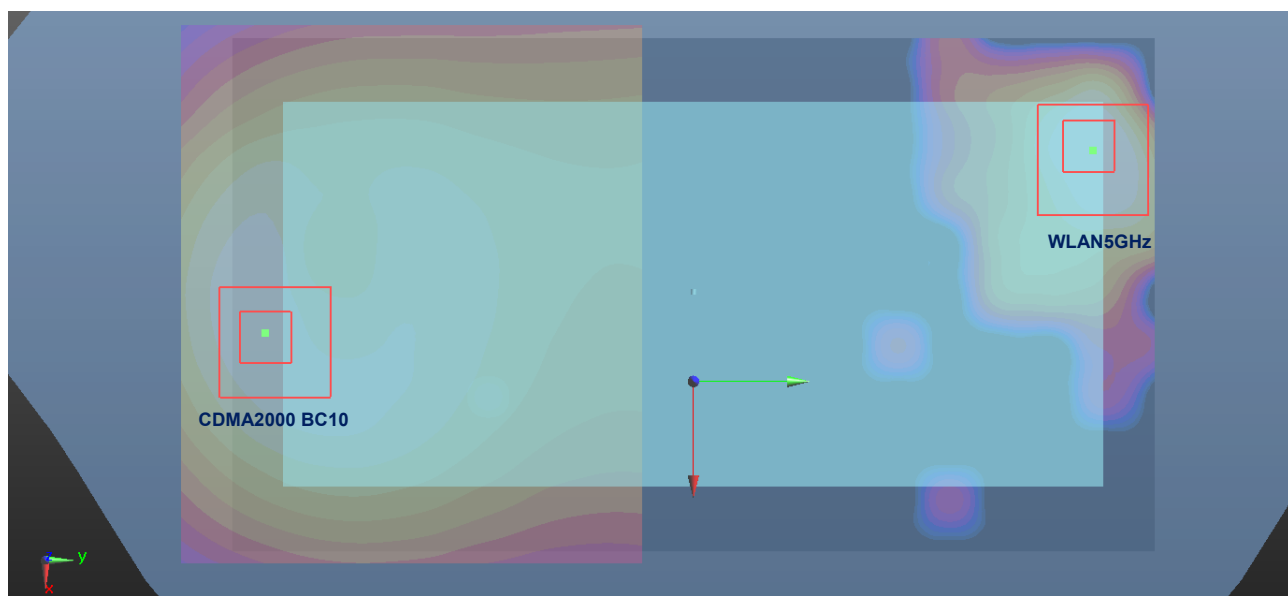
Case #15	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Front	1.082	5	-0.75	-8.01	-0.15	146.47	1.67	0.01	Not required
	WLAN5GHz		0.587	5	-0.29	6.63	-0.12				



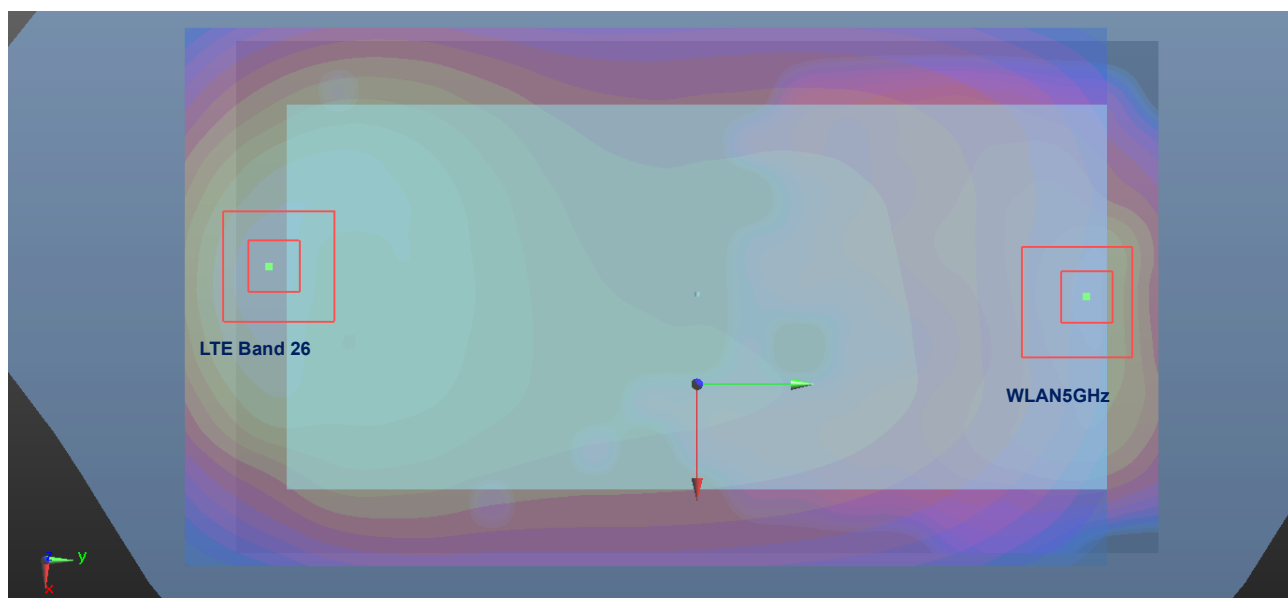
Case #16	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	0.690	5	1.08	-8.09	-0.11	91.64	1.61	0.02	Not required
	WLAN5GHz		0.915	5	-7.08	-3.95	0.39				



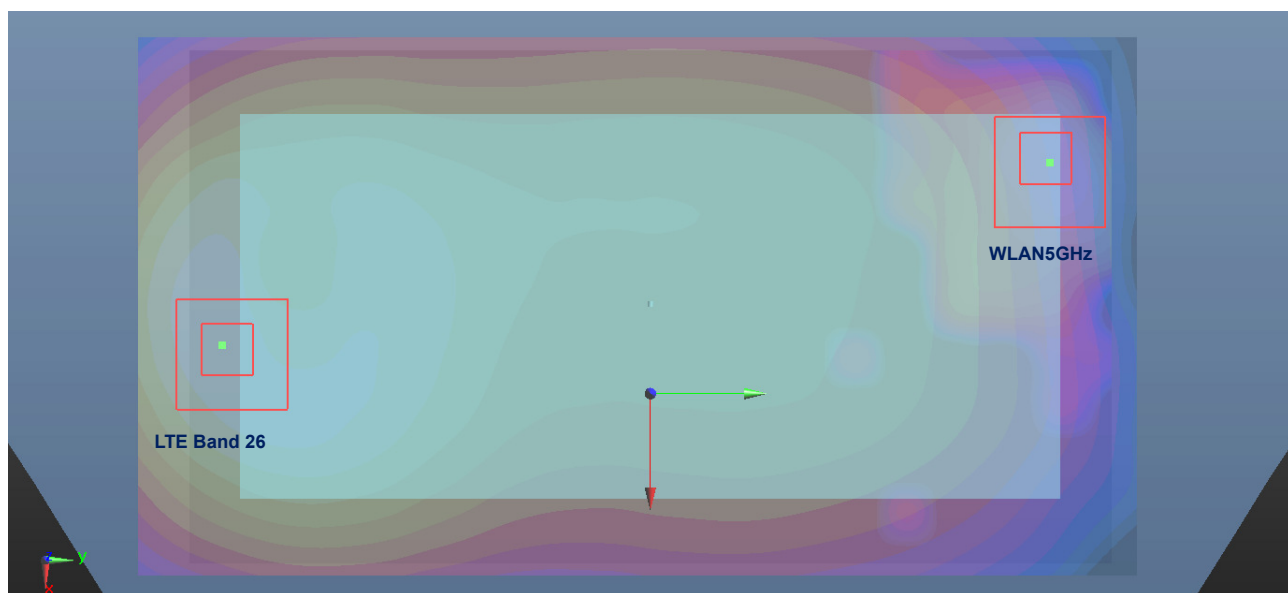
Case #17	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Front	1.125	5	-0.91	-8.04	-0.15	146.83	1.71	0.02	Not required
	WLAN5GHz		0.587	5	-0.29	6.63	-0.12				



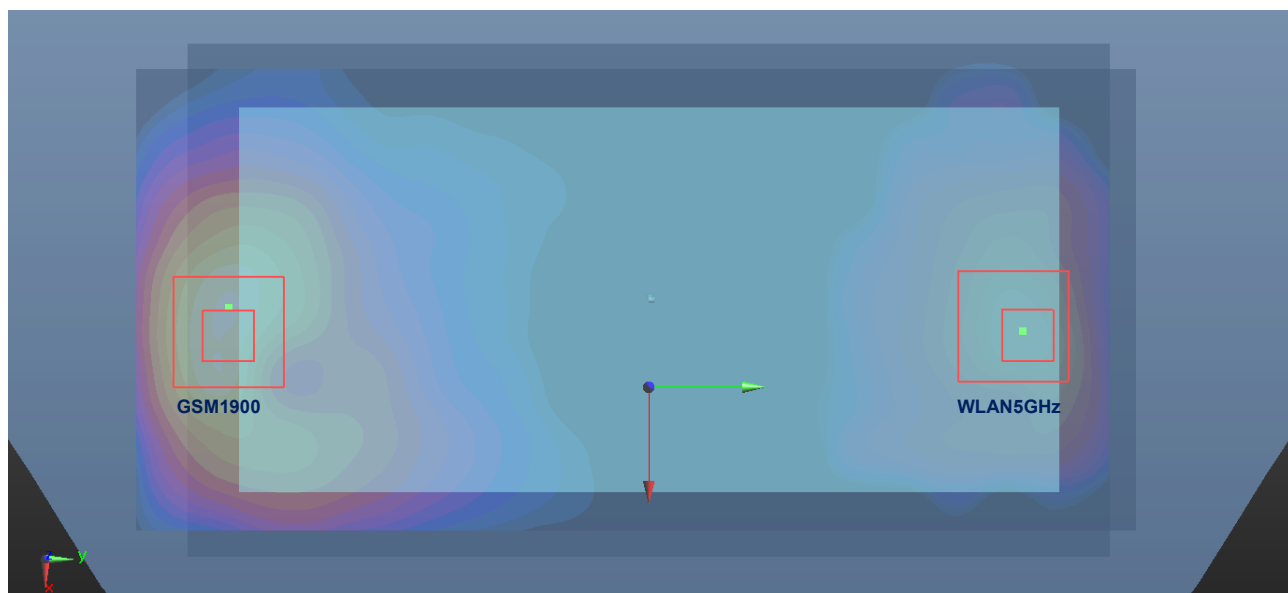
Case #18	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Front	1.031	5	-0.6	-8.19	-0.12	148.23	1.62	0.01	Not required
	WLAN5GHz		0.587	5	-0.29	6.63	-0.12				



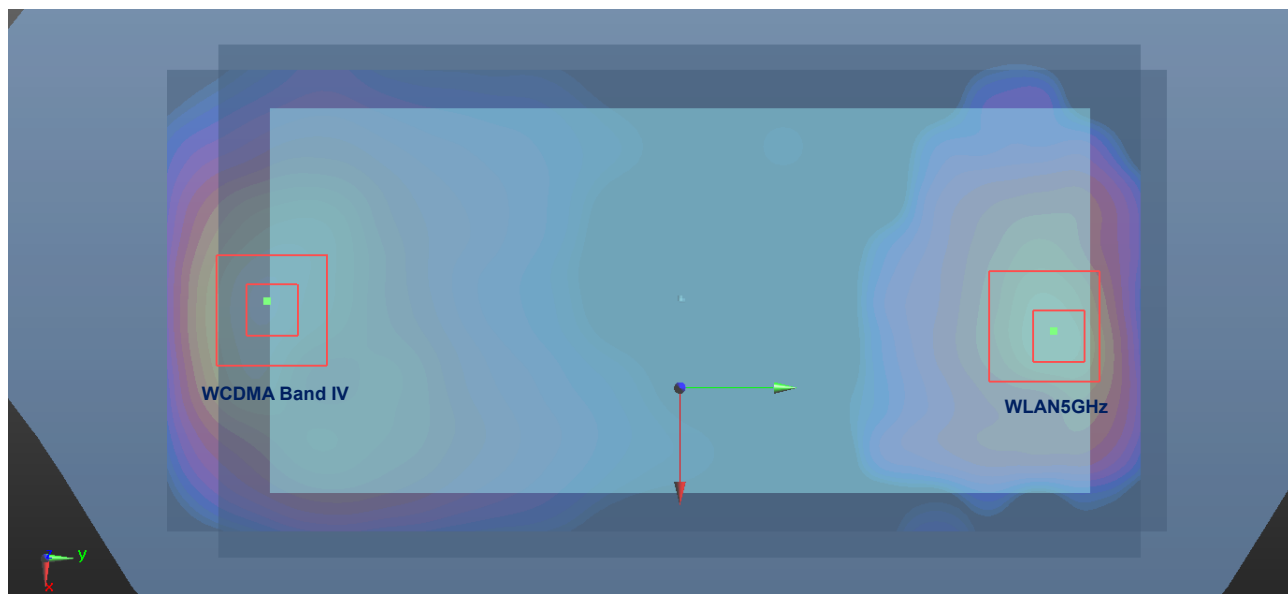
Case #19	Band	Position	1g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 1g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	0.794	5	1.23	-8.03	-0.13	92.72	1.71	0.02	Not required
	WLAN5GHz		0.915	5	-7.08	-3.95	0.39				



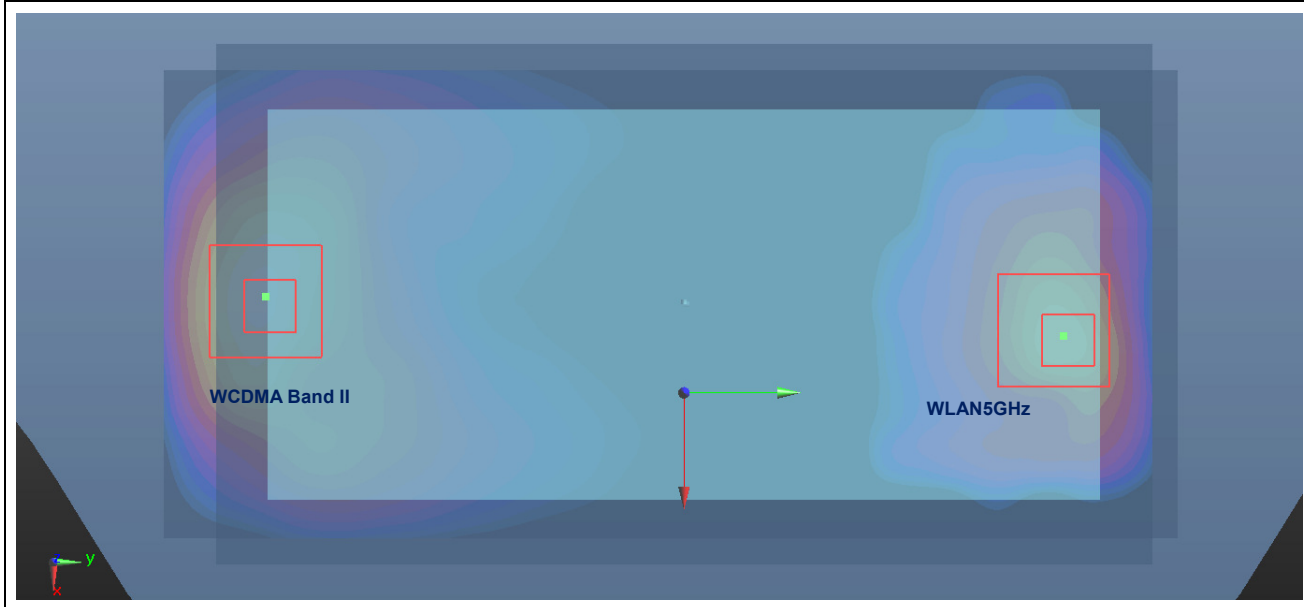
Case #20	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	GSM1900	Front	3.580	0	0.79	-8.2	-0.1	157.00	4.41	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



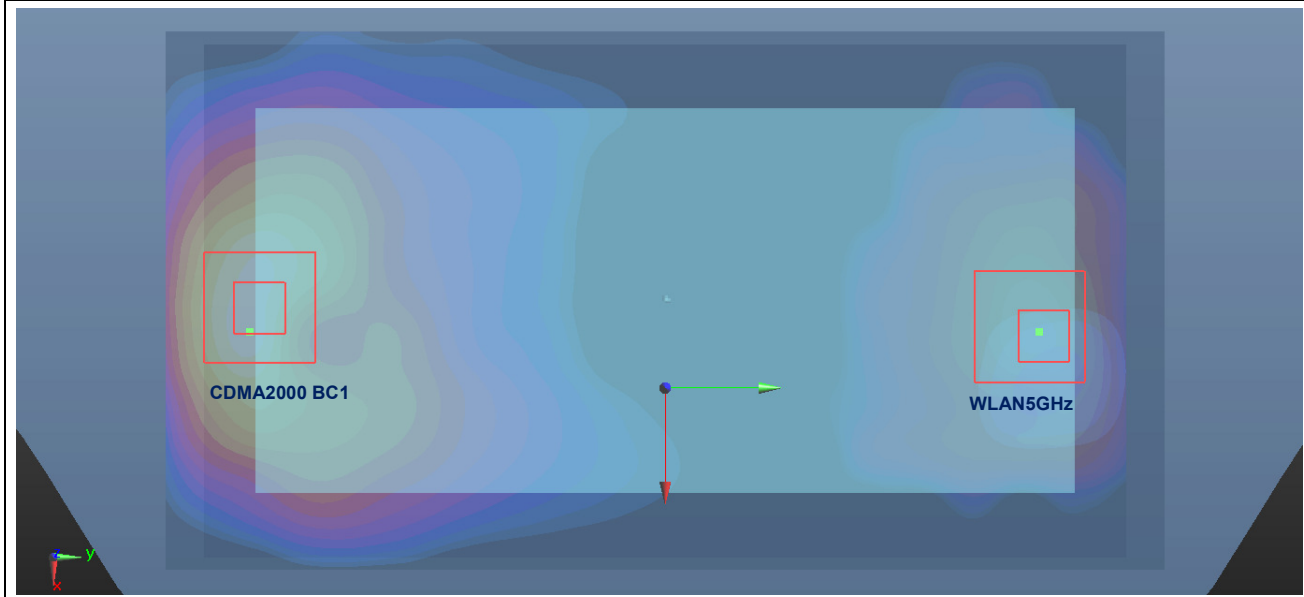
Case #21	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band IV	Front	3.614	0	0.16	-7.89	-1.13	154.34	4.44	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



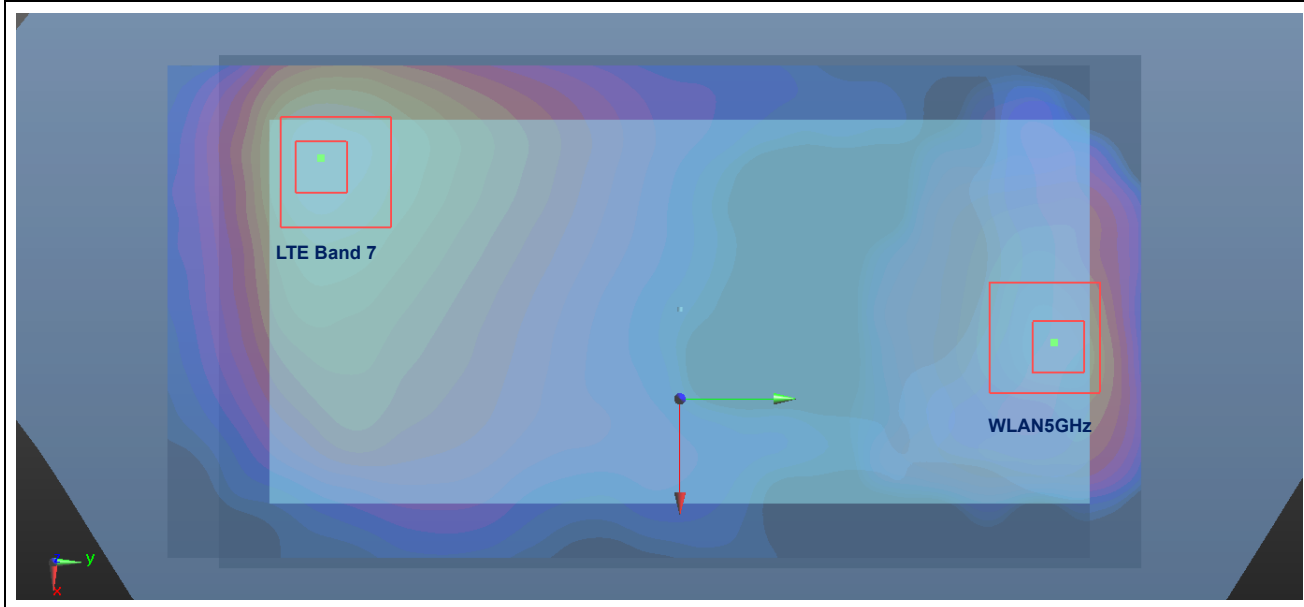
Case #22	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA Band II	Front	3.650	0	0.01	-7.89	-0.13	154.06	4.48	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



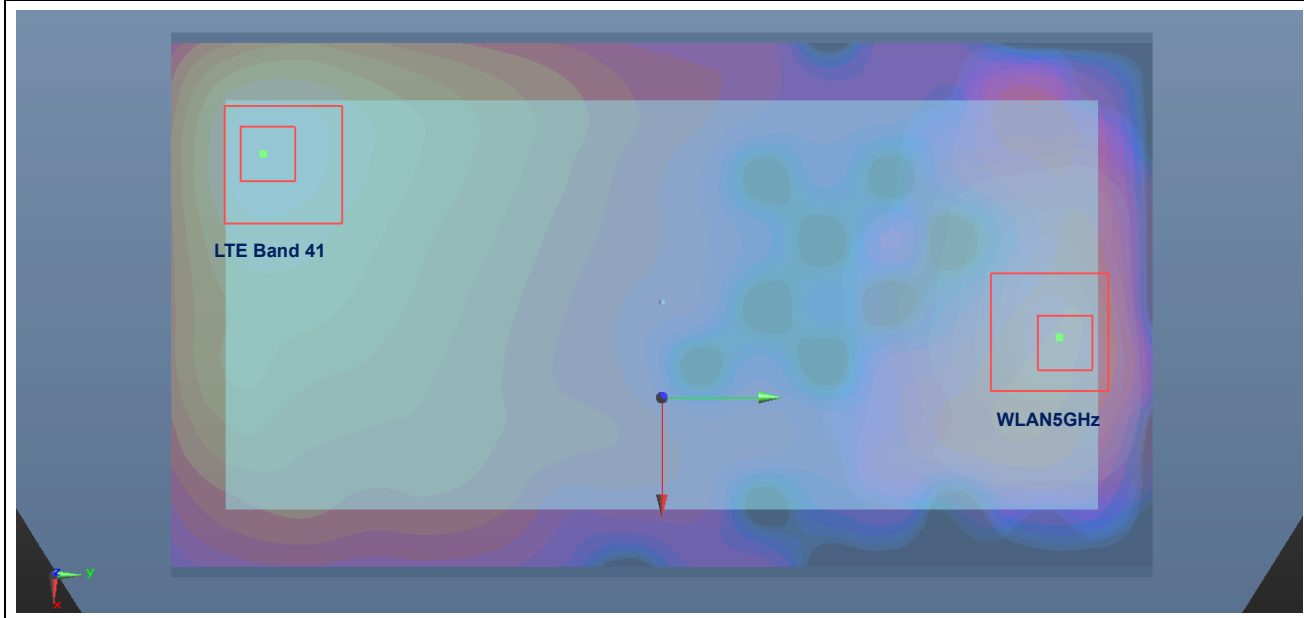
Case #23	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Front	3.507	0	-3	-7.2	-0.14	151.63	4.33	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



Case #24	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 7	Front	3.669	0	0.12	-7.78	-0.12	152.92	4.49	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



Case #25	Band	Position	10g SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed 10g SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Front	3.490	0	-2.76	-7.32	-0.13	152.23	4.32	0.06	Not required
	WLAN5GHz		0.825	0	0.72	7.5	-0.11				



Test Engineer : Nick Hu



16. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

17. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [8] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_750MHz**DUT: D750V3 - SN:1065**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL_750 Medium parameters used: $f = 750$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 43.25$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.75, 10.75, 10.75); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.53 W/kg

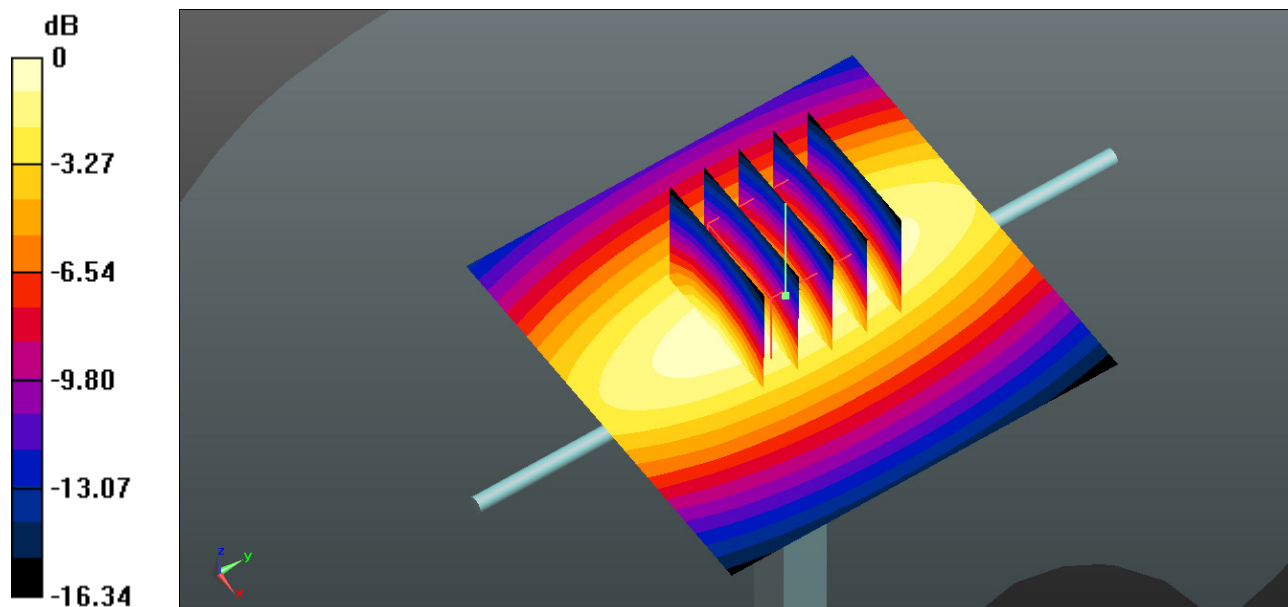
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.54 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.53 W/kg = 4.03 dBW/kg

System Check_Head_835MHz**DUT: D835V2 - SN:4d091**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_850 Medium parameters used: $f = 835$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 42.131$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.24 W/kg

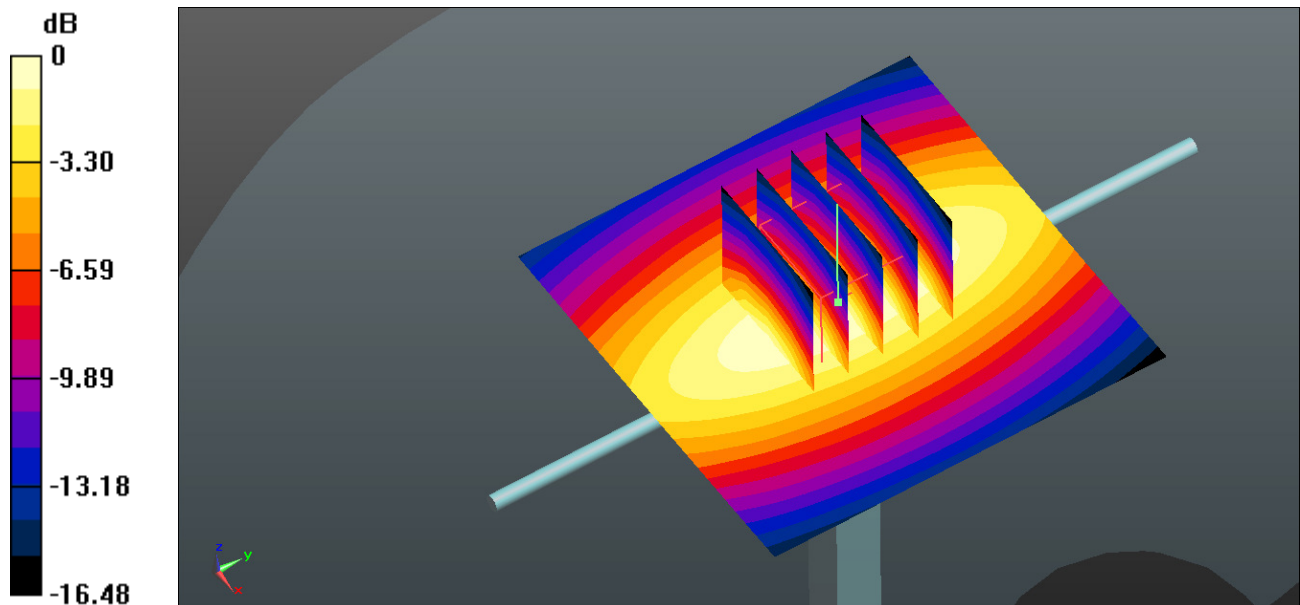
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.64 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.24 W/kg = 3.50 dBW/kg

System Check_Head_1750MHz**DUT: D1750V2 - SN:1069**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 41.016$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.63, 8.63, 8.63); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

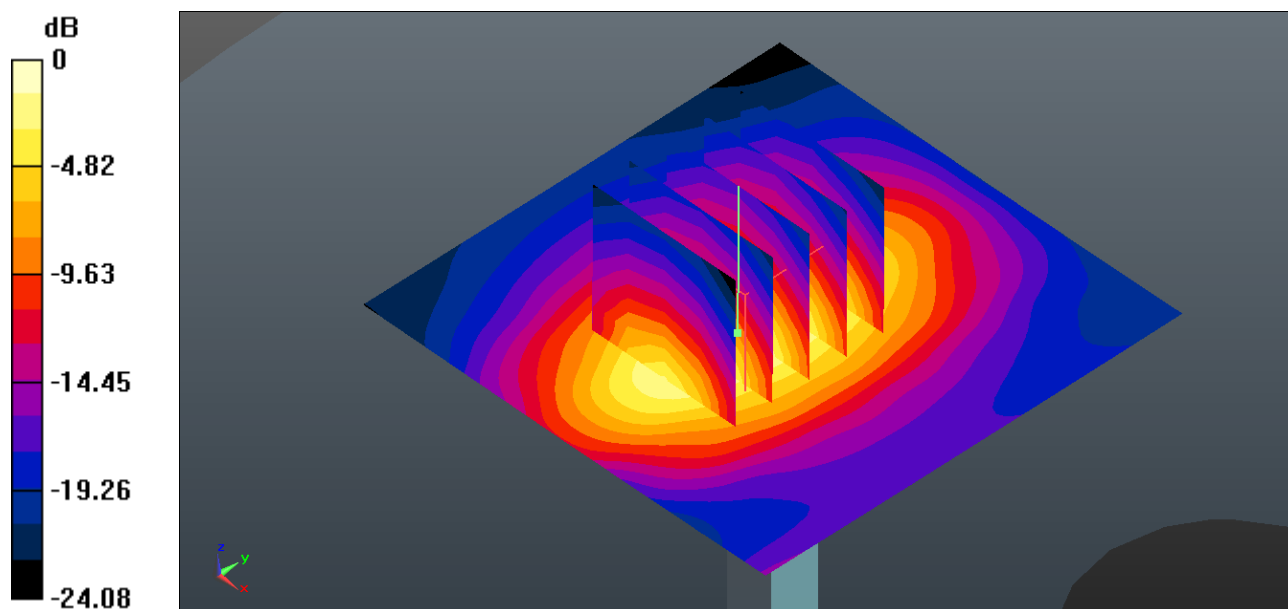
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.74 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 9.56 W/kg; SAR(10 g) = 4.88 W/kg

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 11.2 W/kg = 10.49 dBW/kg

System Check_Head_1900MHz**DUT: D1900V2 - SN:5d118**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.934$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.37, 8.37, 8.37); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.7 W/kg

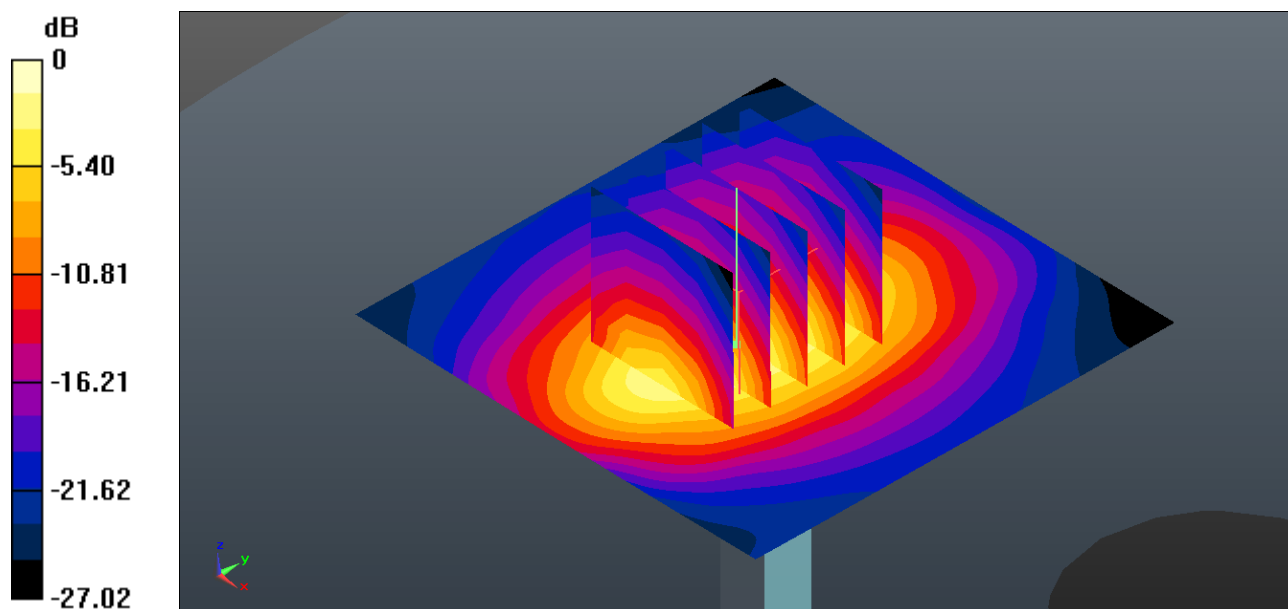
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.581 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 9.82 W/kg; SAR(10 g) = 5.26 W/kg

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

System Check_Head_2300MHz**DUT: D2300V2 - SN:1055**

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: HSL_2300 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.688$ S/m; $\epsilon_r = 39.904$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.91, 7.91, 7.91); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.28 W/kg

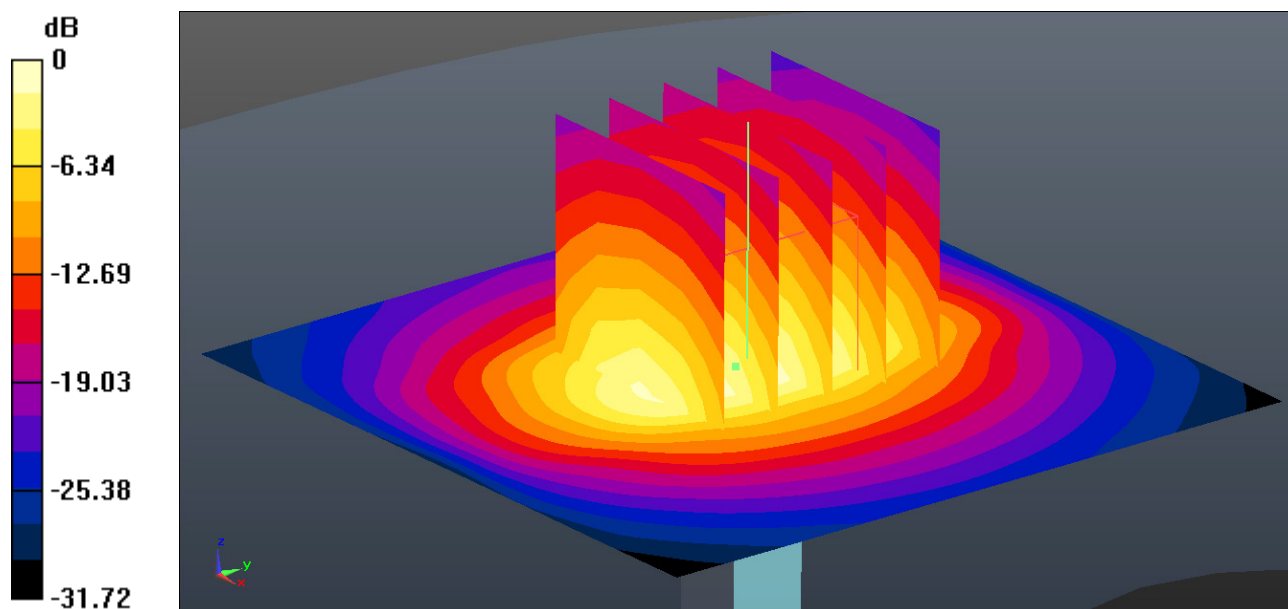
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.16 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 9.06 W/kg

SAR(1 g) = 12.17 W/kg; SAR(10 g) = 5.89 W/kg

Maximum value of SAR (measured) = 7.32 W/kg



0 dB = 7.28 W/kg = 8.62 dBW/kg

System Check_Head_2450MHz**DUT: D2450V2 - SN:840**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL_2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 38.973$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.71, 7.71, 7.71); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 20.4 W/kg

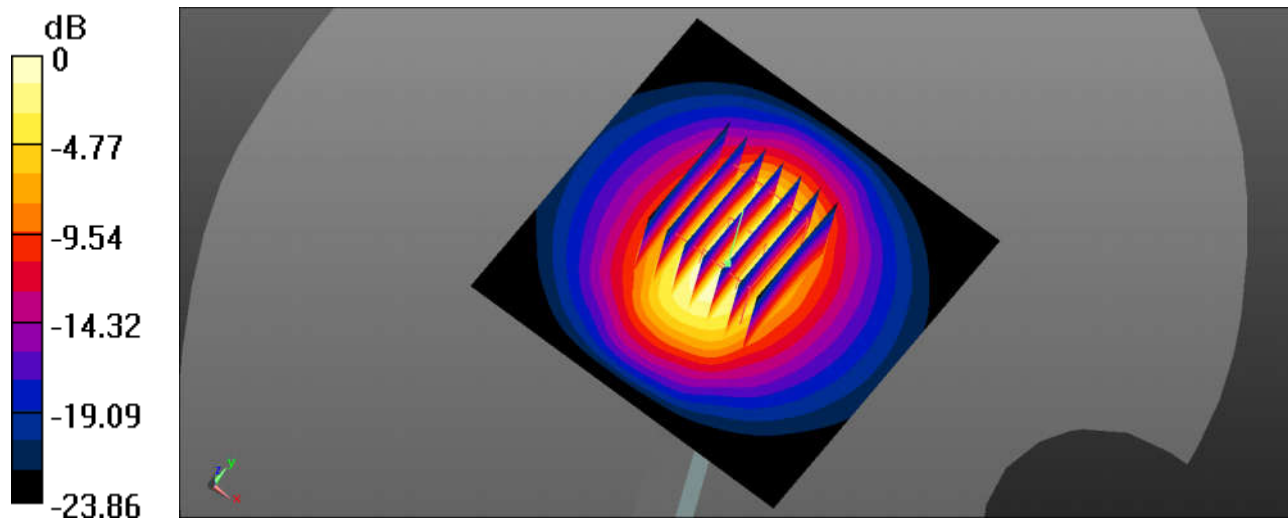
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.21 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.75 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg = 12.99 dBW/kg

System Check_Head_2600MHz**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.049$ S/m; $\epsilon_r = 38.658$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.5, 4.5, 4.5); Calibrated: 2017.9.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.55 W/kg

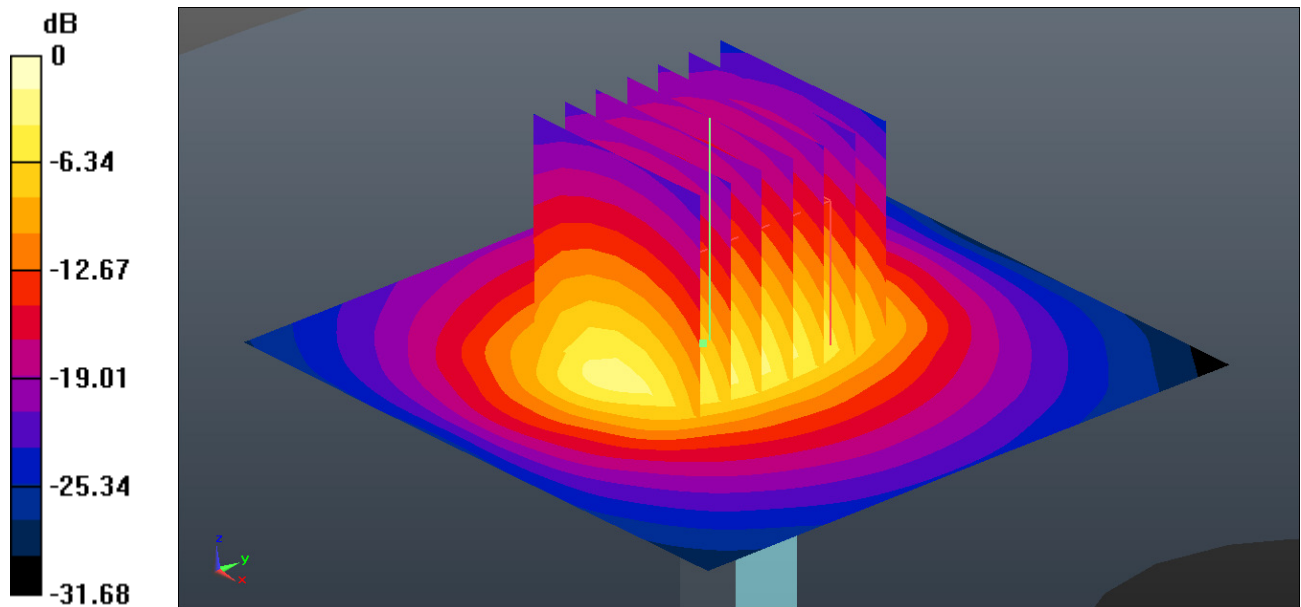
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.18 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 14.01 W/kg; SAR(10 g) = 6.75 W/kg

Maximum value of SAR (measured) = 9.27 W/kg



0 dB = 9.55 W/kg = 9.80 dBW/kg

System Check_Head_5250MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL_5000 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.679$ S/m; $\epsilon_r = 35.944$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.39, 5.39, 5.39); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.6 W/kg

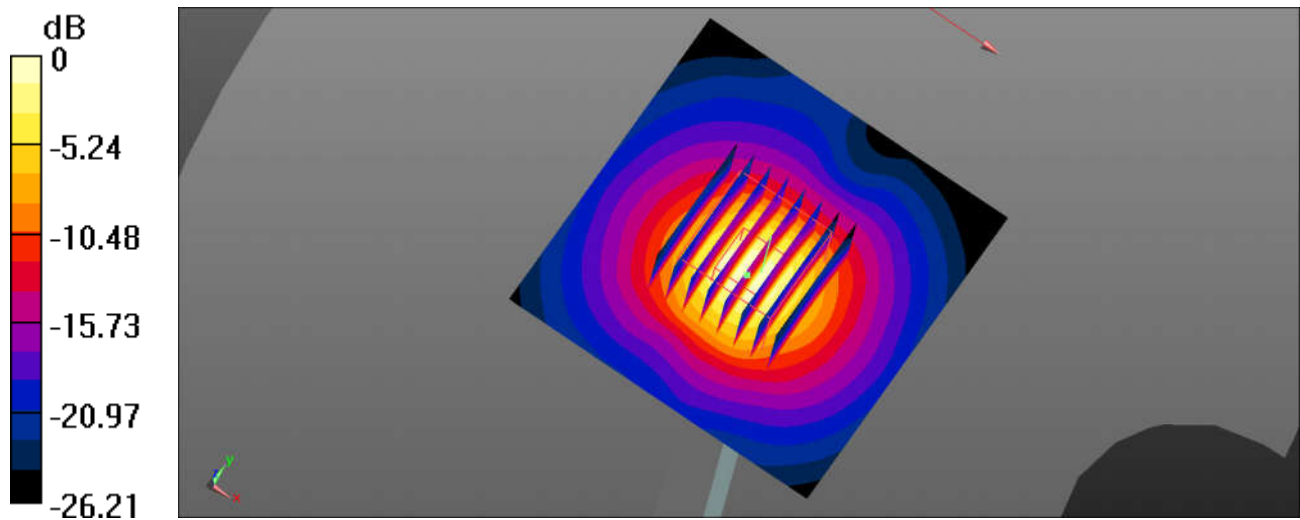
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 41.63 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 29.7 W/kg

SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg

System Check_Head_5600MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL_5000 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.035$ S/m; $\epsilon_r = 35.437$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.04, 5.04, 5.04); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.0 W/kg

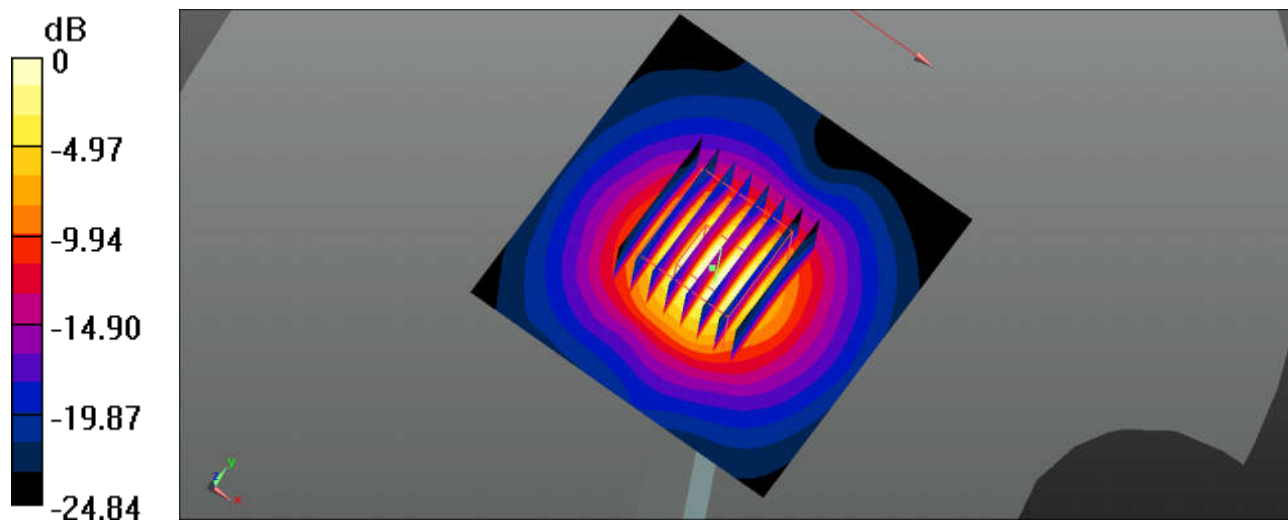
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 39.44 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 28.6 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

System Check_Head_5750MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL_5000 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.195$ S/m; $\epsilon_r = 35.24$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.0 °C ; Liquid Temperature : 22.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.34, 5.34, 5.34); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.5 W/kg

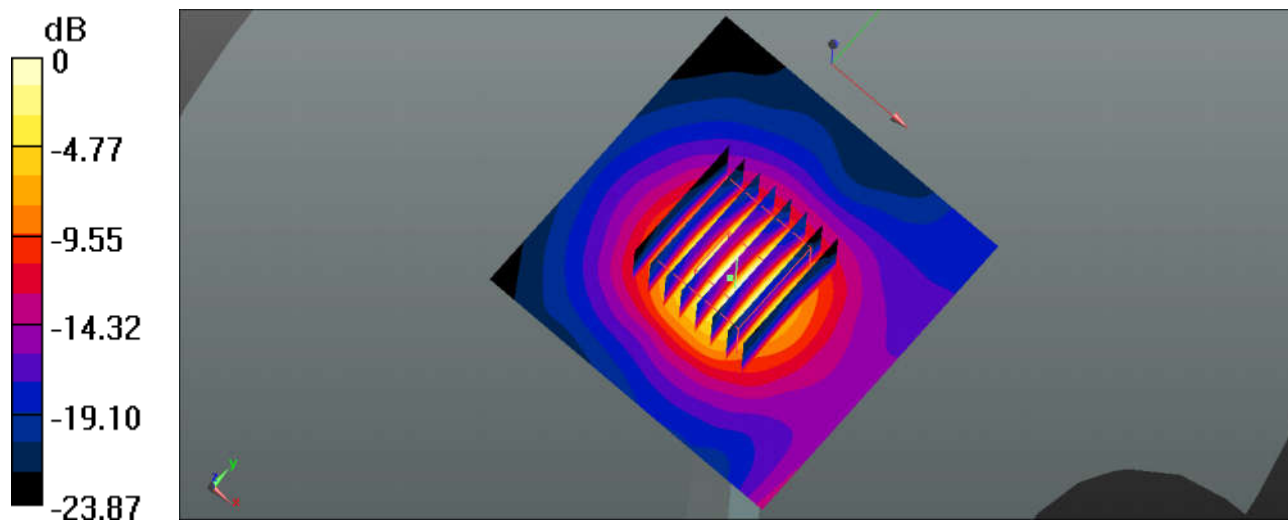
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 36.93 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

System Check_Body_750MHz**DUT: D750V3 - SN:1065**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: MSL_750 Medium parameters used: $f = 750$ MHz; $\sigma = 0.982$ S/m; $\epsilon_r = 56.124$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.43, 9.43, 9.43); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.40 W/kg

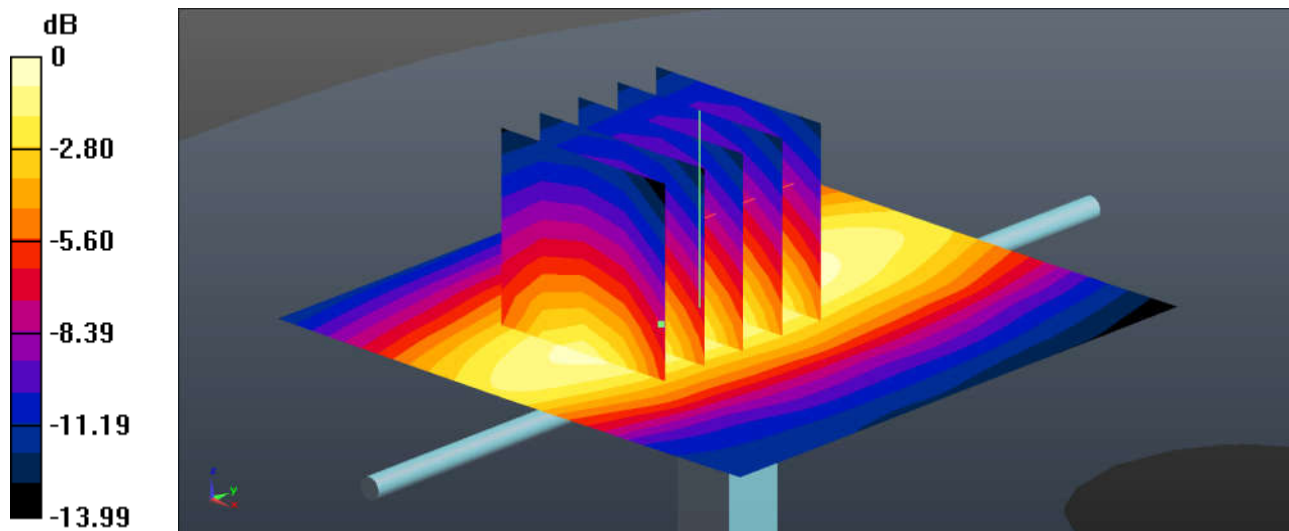
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.28 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 3.21 W/kg



0 dB = 3.40 W/kg = 5.31 dBW/kg

System Check_Body_835MHz**DUT: D835V2 - SN:4d091**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL_850 Medium parameters used: $f = 835$ MHz; $\sigma = 0.991$ S/m; $\epsilon_r = 54.983$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.21, 9.21, 9.21); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.95 W/kg

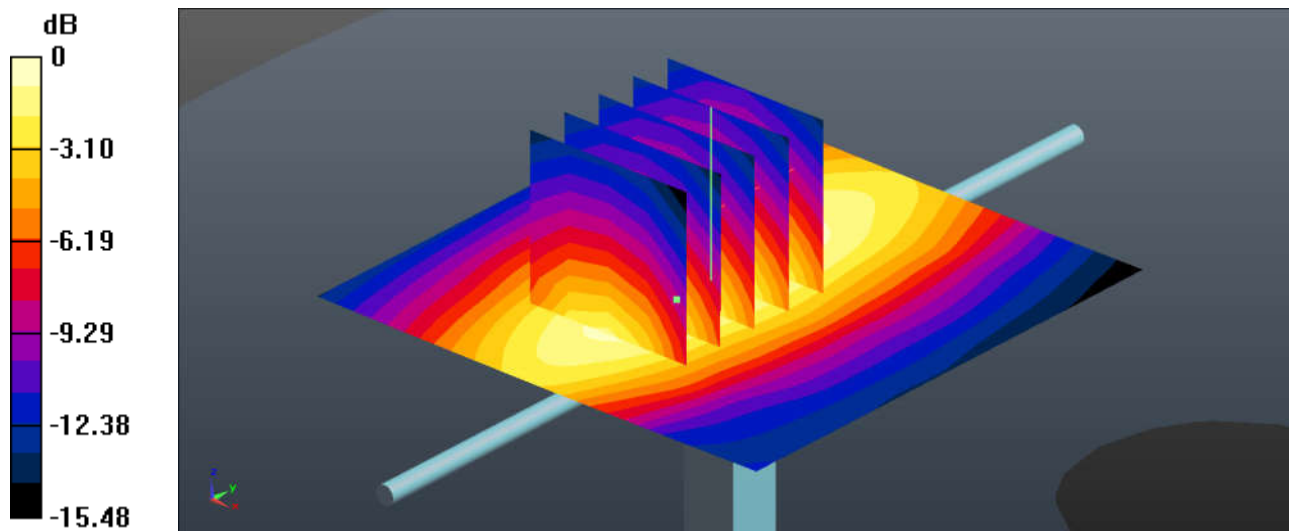
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.01 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 3.73 W/kg



0 dB = 3.95 W/kg = 5.97 dBW/kg

System Check_Body_1750MHz**DUT: D1750V2 - SN:1069**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.523$ S/m; $\epsilon_r = 53.041$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.87, 7.87, 7.87); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 20.6 W/kg

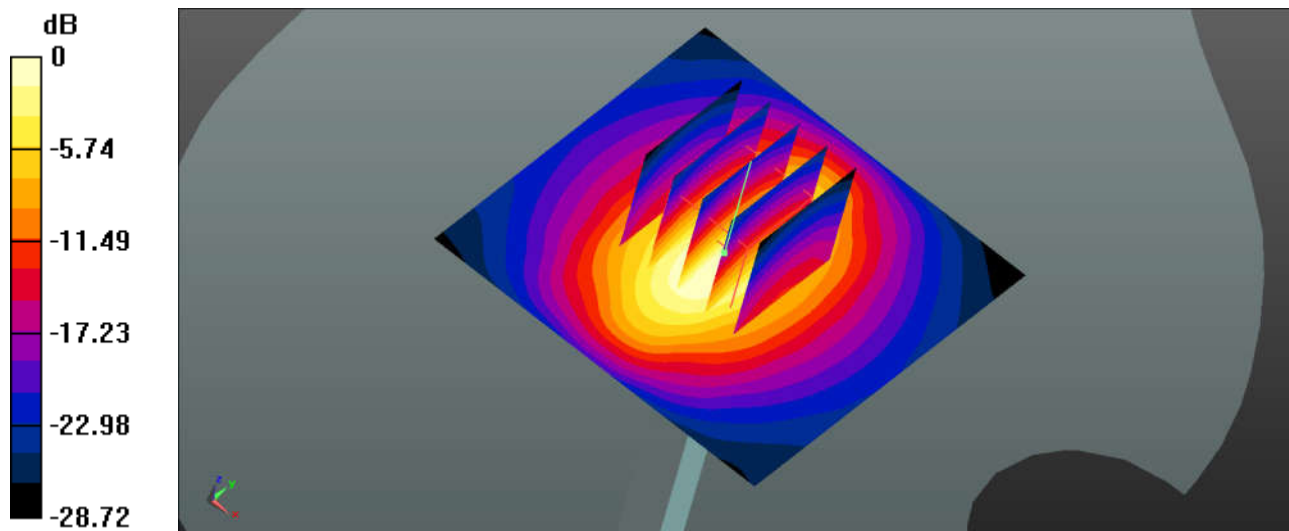
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.3 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 25.7 W/kg

SAR(1 g) = 9.7 W/kg; SAR(10 g) = 5.12 W/kg

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

System Check_Body_1900MHz**DUT: D1900V2 - SN:5d118**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 54.179$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.58, 7.58, 7.58); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 19.2 W/kg

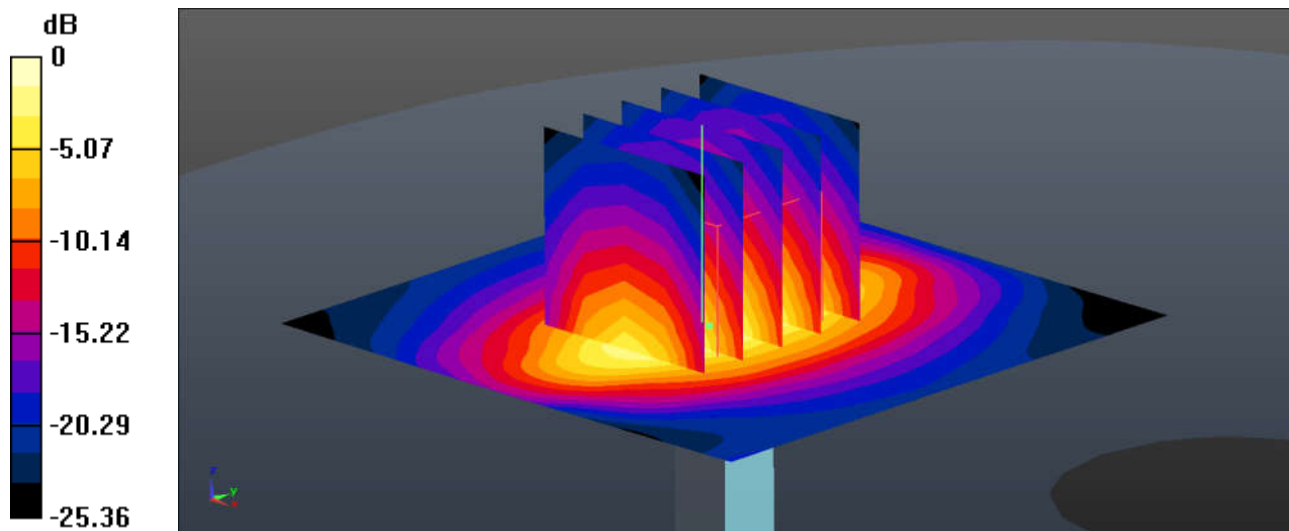
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 100.3 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 23.0 W/kg

SAR(1 g) = 10.23 W/kg; SAR(10 g) = 5.25 W/kg

Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 19.2 W/kg = 12.83 dBW/kg

System Check_Body_2300MHz**DUT: D2300V2 - SN:1055**

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: MSL_2300 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 53.276$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.87, 7.87, 7.87); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.9 W/kg

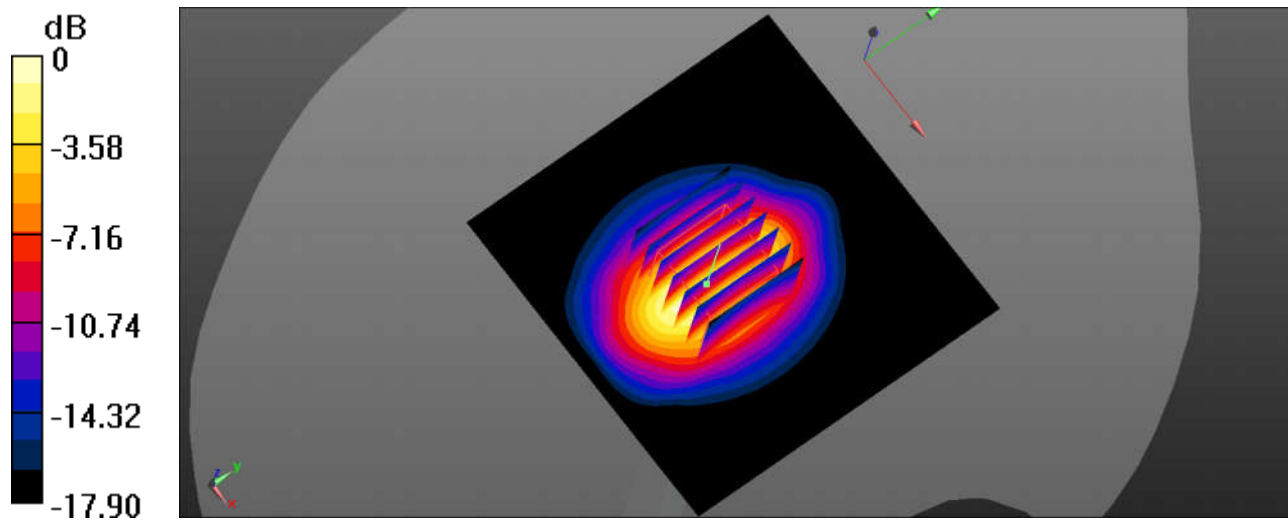
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.34 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 23.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.93 W/kg

Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg = 12.70 dBW/kg

System Check_Body_2450MHz**DUT: D2450V2 - SN:840**

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL_2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.995$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.27, 7.27, 7.27); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

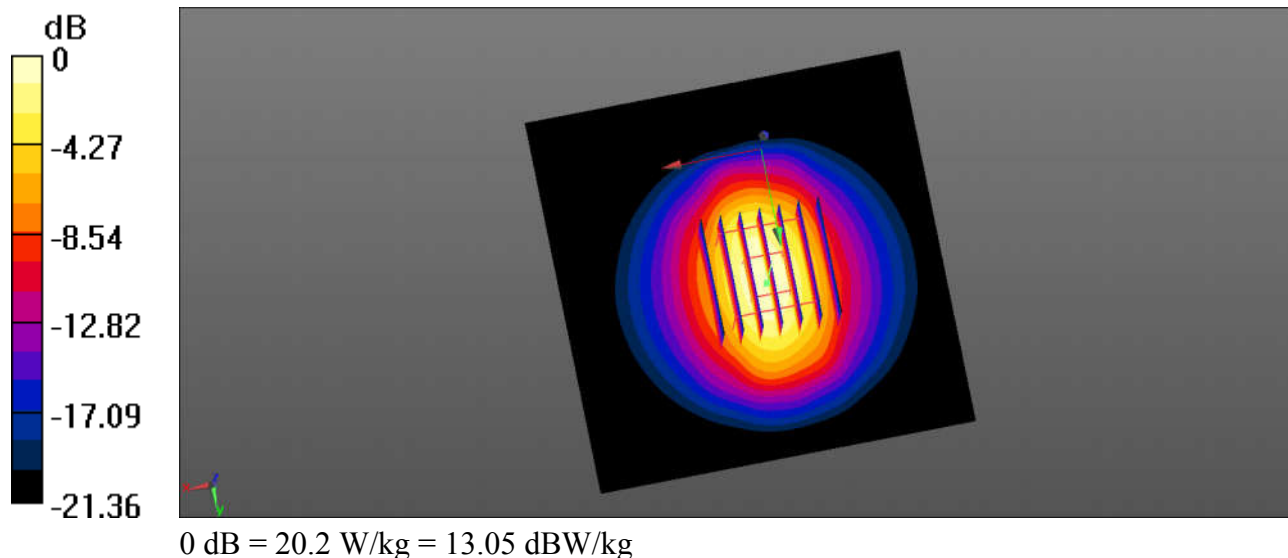
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 72.08 V/m; Power Drift = 0.36 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.26 W/kg

Maximum value of SAR (measured) = 20.2 W/kg



System Check_Body_2600MHz**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL_2600 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.219$ S/m; $\epsilon_r = 53.696$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.14, 7.14, 7.14); Calibrated: 2017.5.5;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 27.5 W/kg

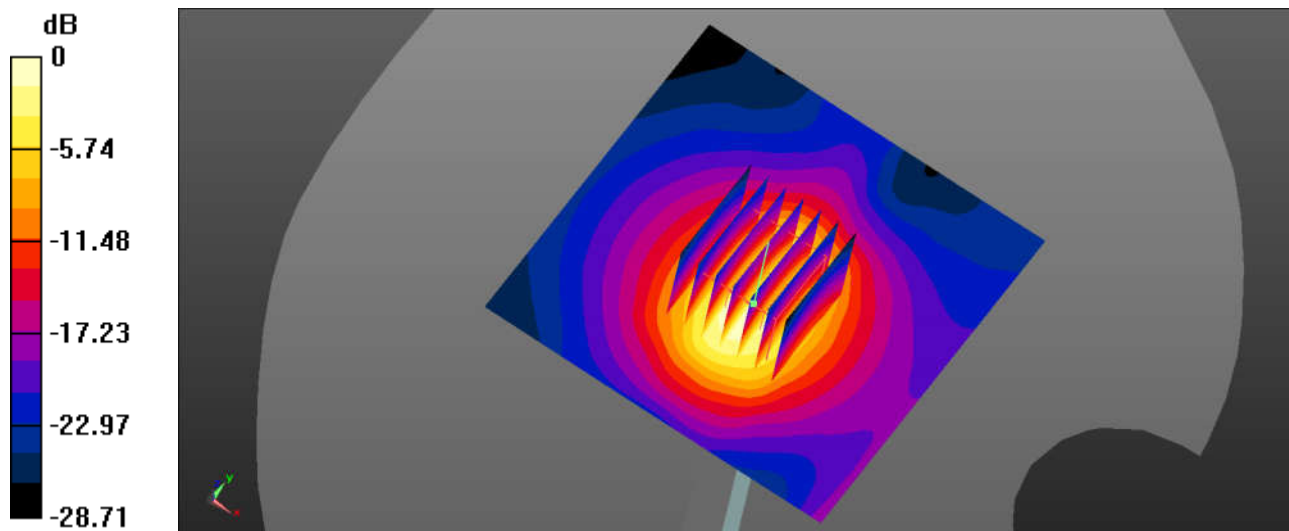
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.54 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 35.0 W/kg

SAR(1 g) = 14.25 W/kg; SAR(10 g) = 6.41 W/kg

Maximum value of SAR (measured) = 27.2 W/kg



0 dB = 27.5 W/kg = 14.39 dBW/kg

System Check_Body_5250MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: MSL_5000 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.507$ S/m; $\epsilon_r = 47.957$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.72, 4.72, 4.72); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.8 W/kg

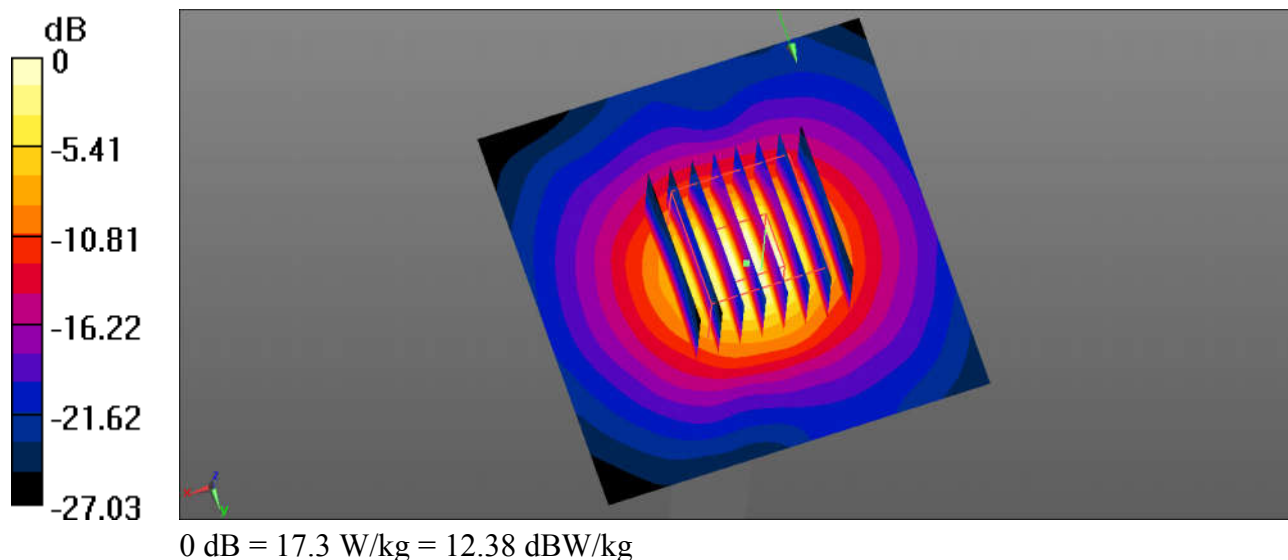
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 39.64 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.0 W/kg

SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



System Check_Body_5600MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: MSL_5000 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.954$ S/m; $\epsilon_r = 47.368$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.01, 4.01, 4.01); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.3 W/kg

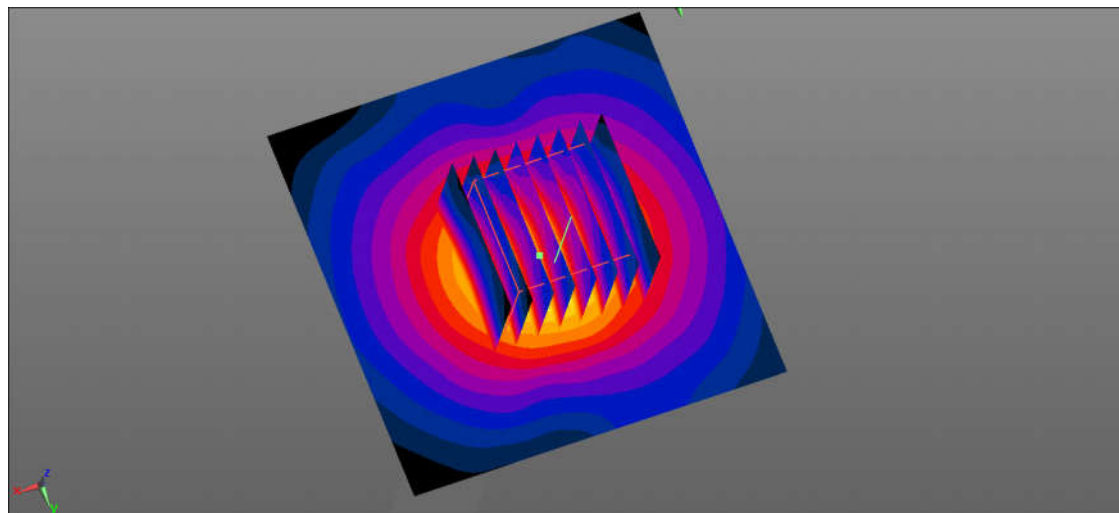
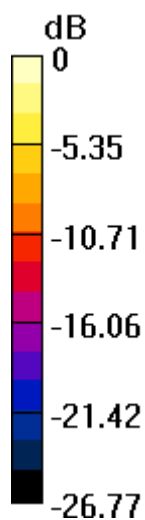
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.01 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.8 W/kg

SAR(1 g) = 7.8 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

System Check_Body_5750MHz**DUT: D5GHzV2-SN:1167**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: MSL_5000 Medium parameters used: $f = 5750$ MHz; $\sigma = 6.154$ S/m; $\epsilon_r = 47.117$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.5 W/kg

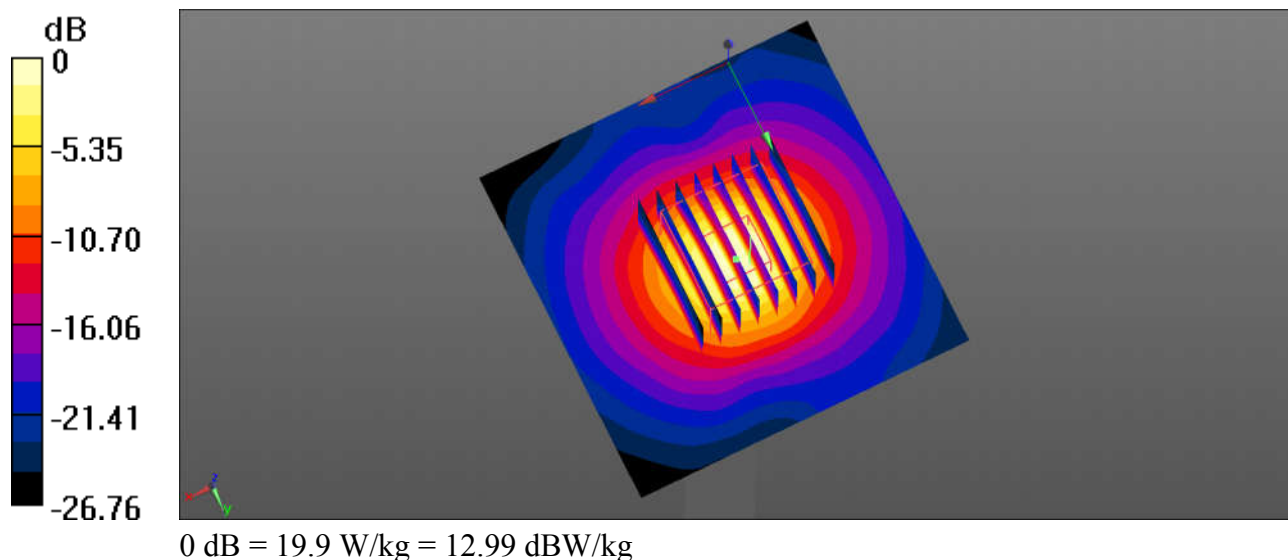
CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 41.49 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.5 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 19.9 W/kg





Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

#01_GSM 850_GPRS 2 Tx slots_Right Cheek_0mm_Ch251

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: HSL_850 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 41.955$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch251/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.290 W/kg

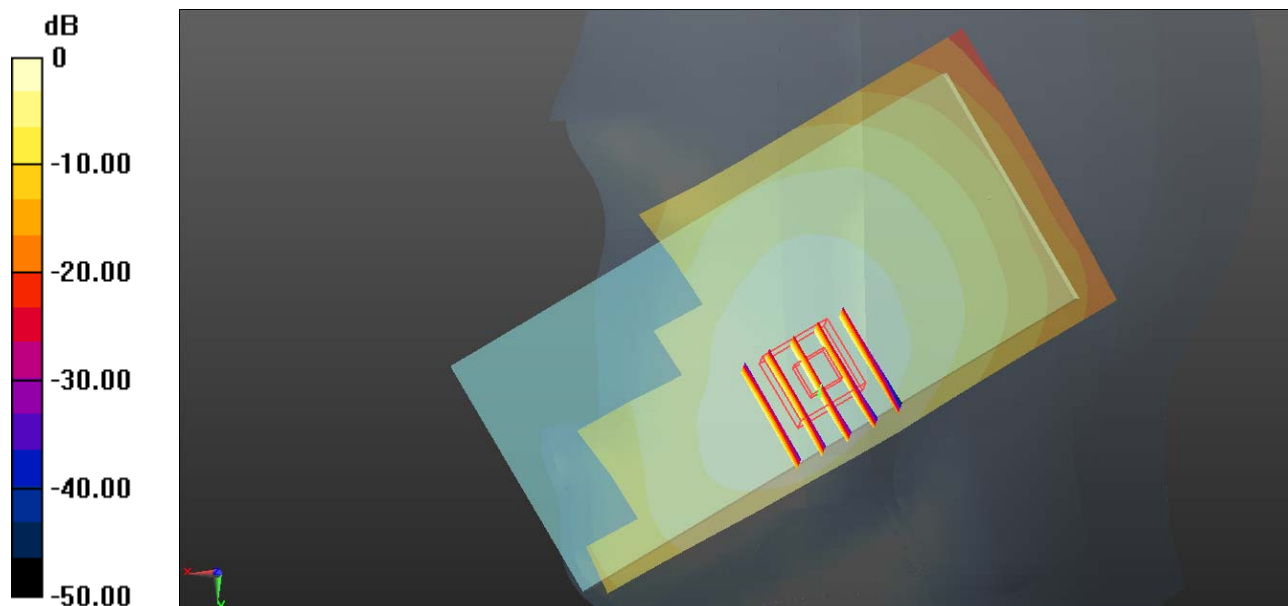
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.233 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

#02_GSM 1900_GPRS 2 Tx slots_Right Cheek_0mm_Ch810

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium: HSL_1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.441$ S/m; $\epsilon_r = 39.892$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.37, 8.37, 8.37); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0901 W/kg

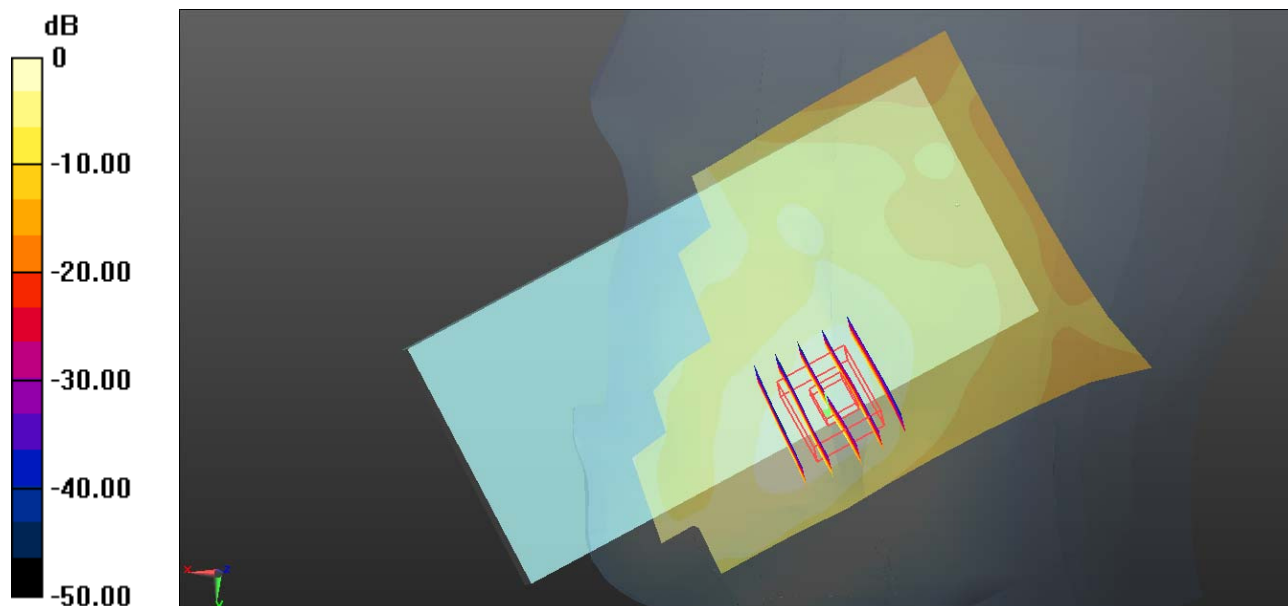
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.976 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.0638 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.0841 W/kg



0 dB = 0.0901 W/kg = -10.45 dBW/kg

#03_WCDMA Band V_RMC 12.2Kbps_Left Cheek_0mm_Ch4132

Communication System: UID 0, UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: HSL_850 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 42.234$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch4132/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.156 W/kg

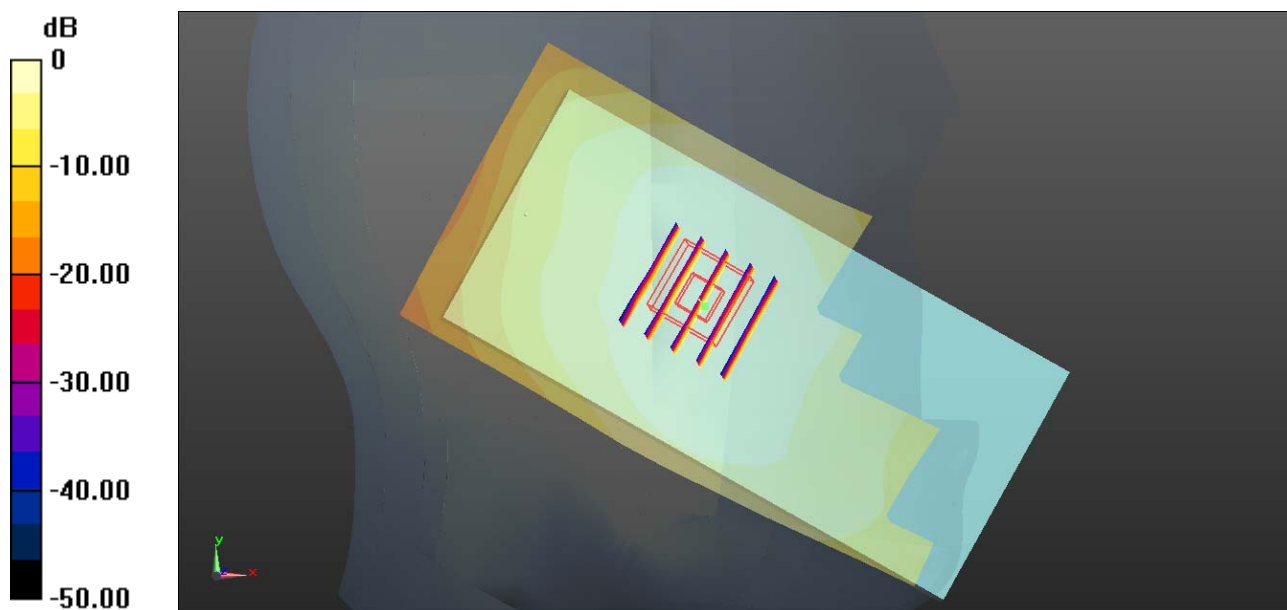
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.676 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

#04_WCDMA Band IV_RMC 12.2Kbps_Left Cheek_0mm_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 41.096$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.63, 8.63, 8.63); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch1413/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.225 W/kg

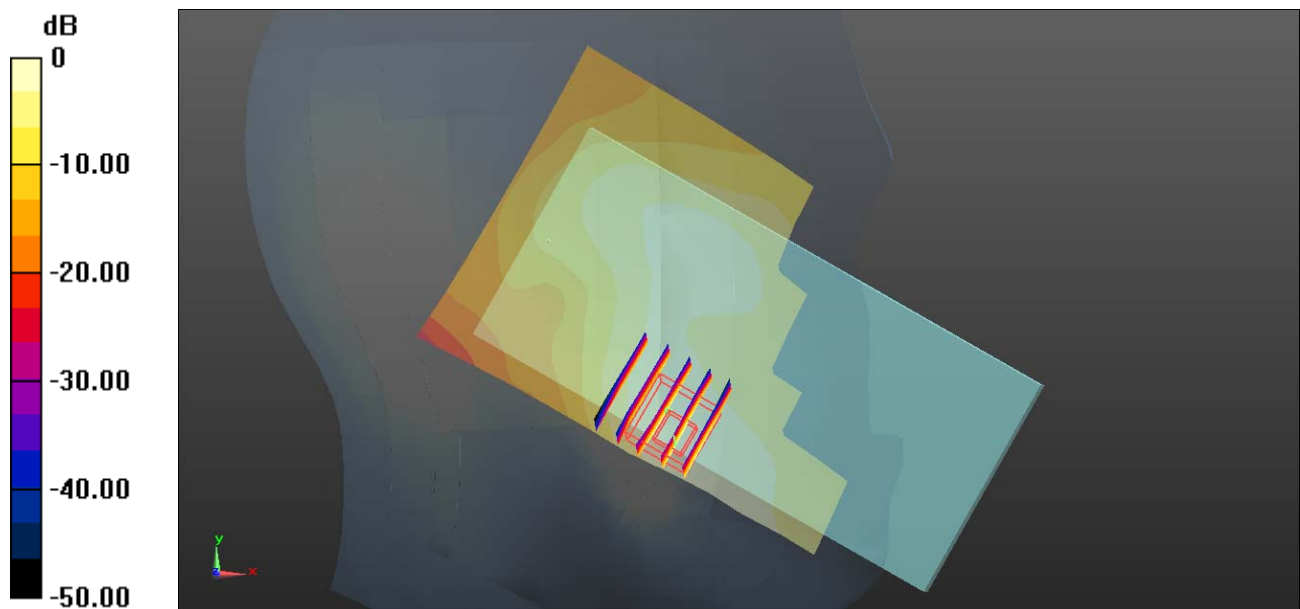
Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.318 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.232 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

#05_WCDMA Band II_RMC 12.2Kbps_Left Cheek_0mm_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 40.025$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.37, 8.37, 8.37); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch9400/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.201 W/kg

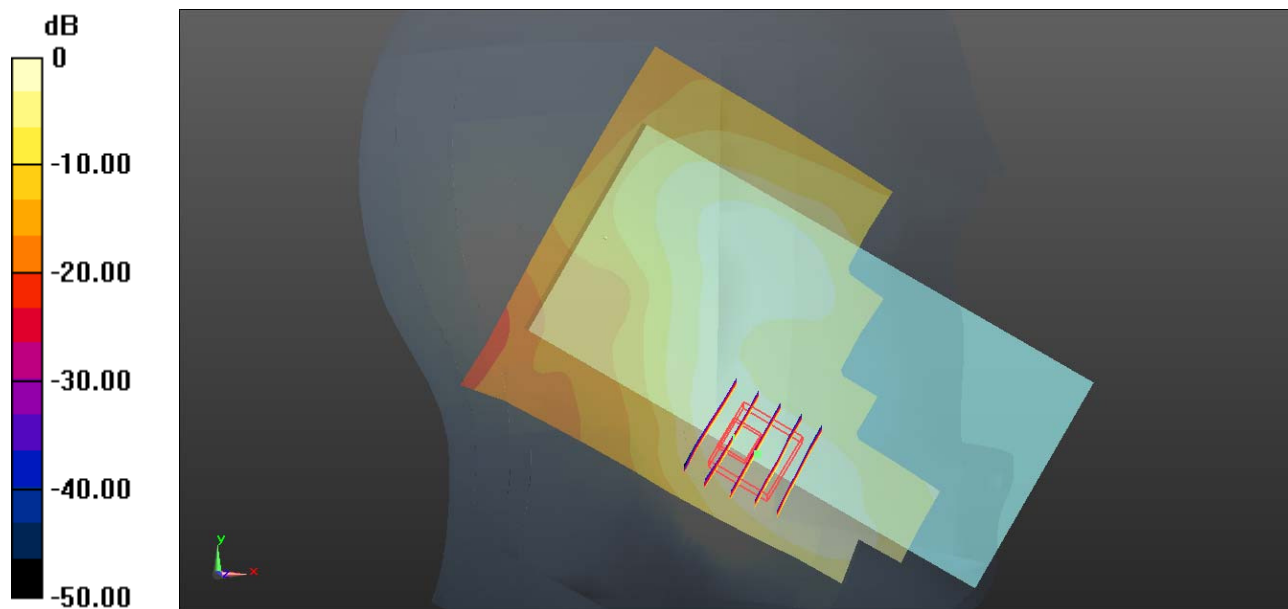
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.232 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.201 W/kg = -6.97 dBW/kg

#06_CDMA2000 BC10_RC3 SO55_Right Check_0mm_Ch580

Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1
Medium: HSL_850 Medium parameters used: $f = 820.5$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 42.309$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3°C ; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch580/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.478 W/kg

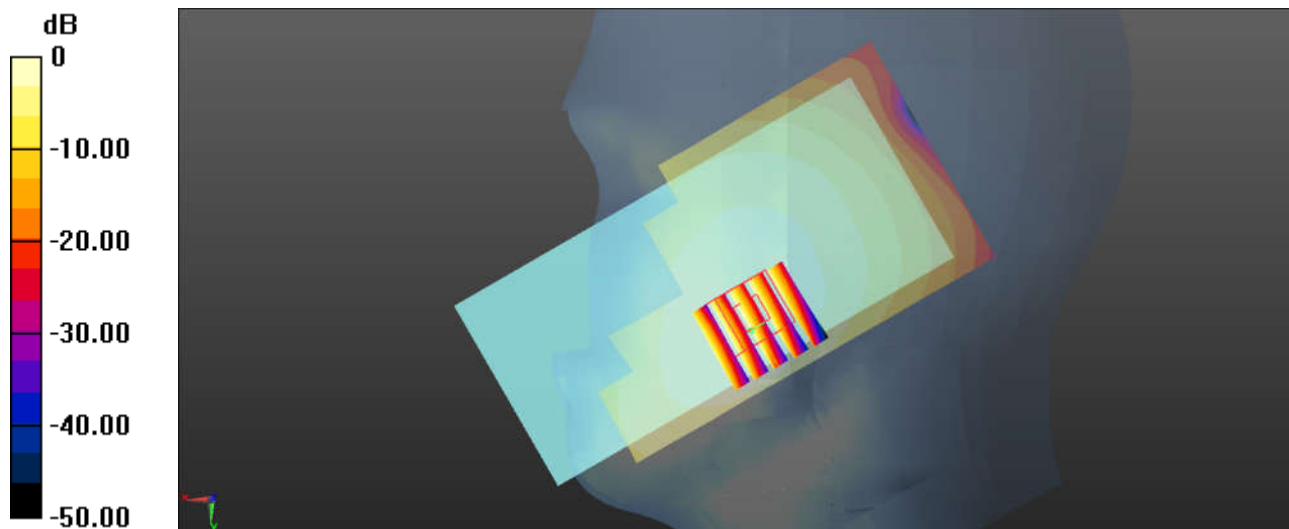
Ch580/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.543 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.408 W/kg ; SAR(10 g) = 0.310 W/kg

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.478 W/kg = -3.21 dBW/kg

#07_CDMA2000 BC0_RC3 SO55_Right Check_0mm_Ch384

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: HSL_850 Medium parameters used: $f = 836.52$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.099$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch384/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.411 W/kg

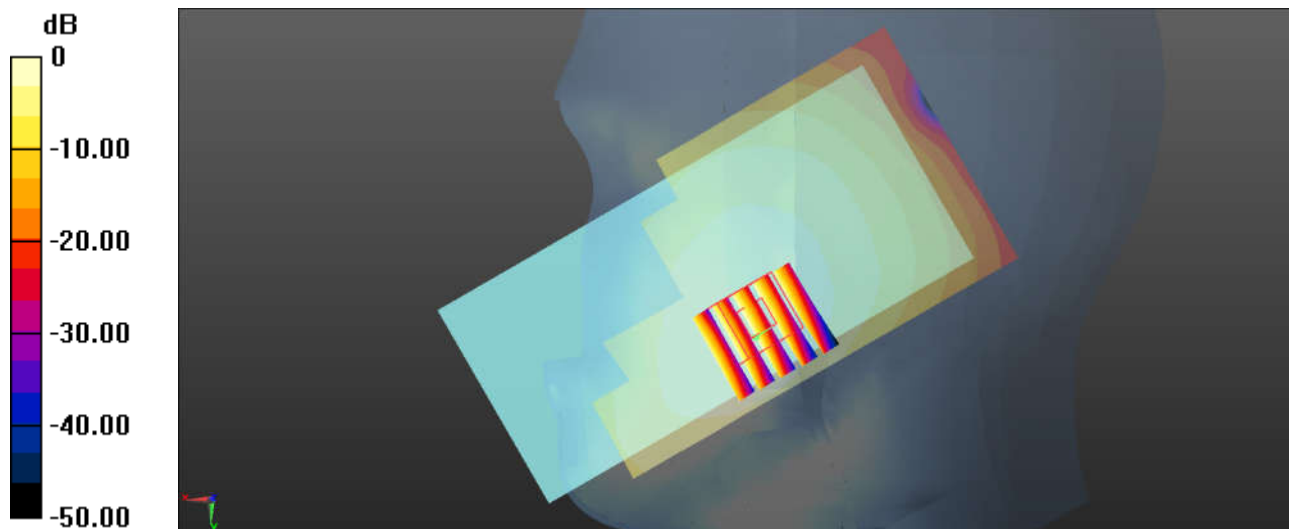
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.564 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

#08_CDMA2000 BC1_RC3 SO55_Right Check_0mm_Ch600

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 40.025$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.37, 8.37, 8.37); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch600/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.169 W/kg

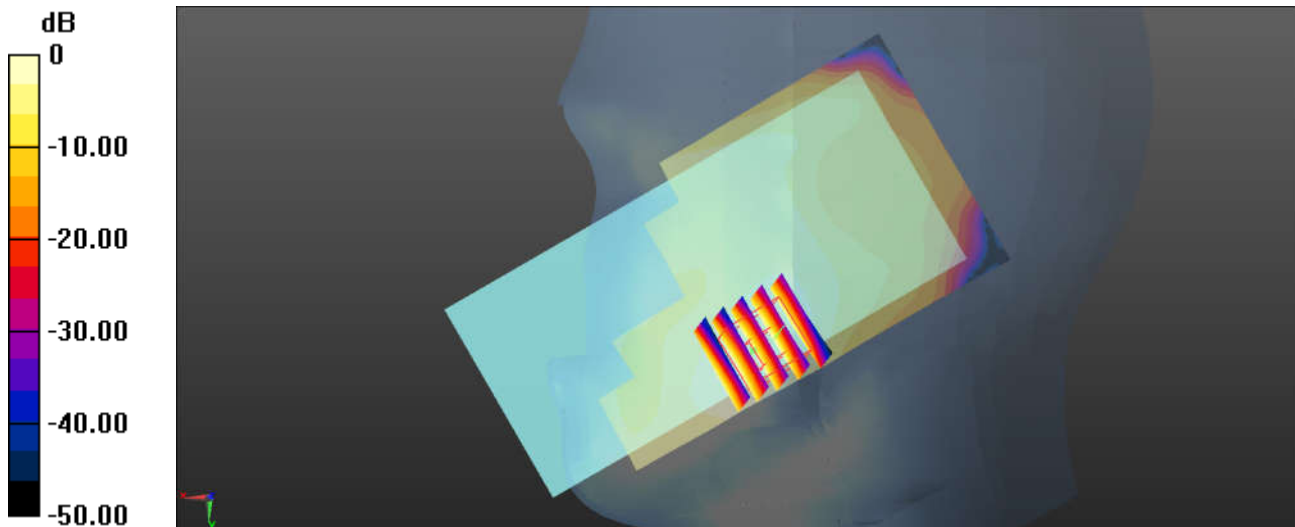
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.869 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

#09_LTE Band 12_10M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch23095

Communication System: UID 0, FDD_LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.875$ S/m; $\epsilon_r = 43.856$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.0 °C; Liquid Temperature : 22.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.75, 10.75, 10.75); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch23095/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.311 W/kg

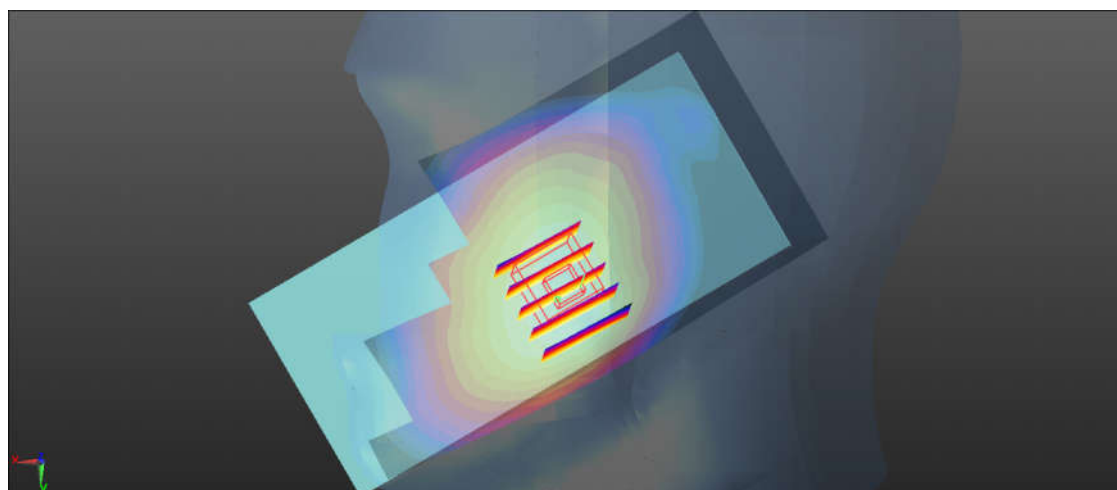
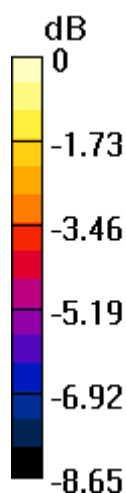
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.792 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

#10_LTE Band 13_10M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch23230

Communication System: UID 0, FDD_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: $f = 782$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 42.844$;

$$\rho = 1000 \text{ kg/m}^3$$

Ambient Temperature : 23.0 °C ; Liquid Temperature : 22.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.75, 10.75, 10.75); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch23230/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.456 W/kg

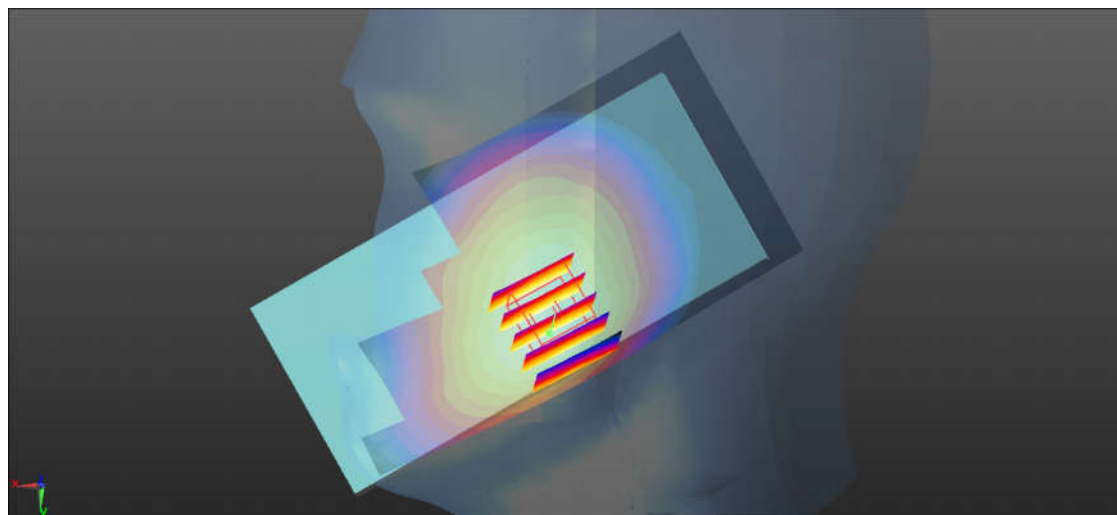
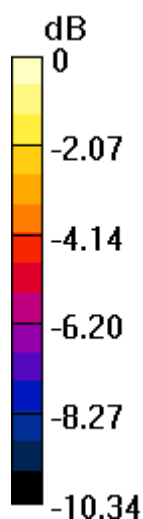
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.651 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg = -3.33 dBW/kg

#11_LTE Band 14_10M_QPSK_1RB_0Offset_Right Cheek_0mm_Ch23330

Communication System: UID 0, FDD_LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.955 \text{ S/m}$; $\epsilon_r = 42.708$;
 $\rho = 1000 \text{ kg/m}^3$

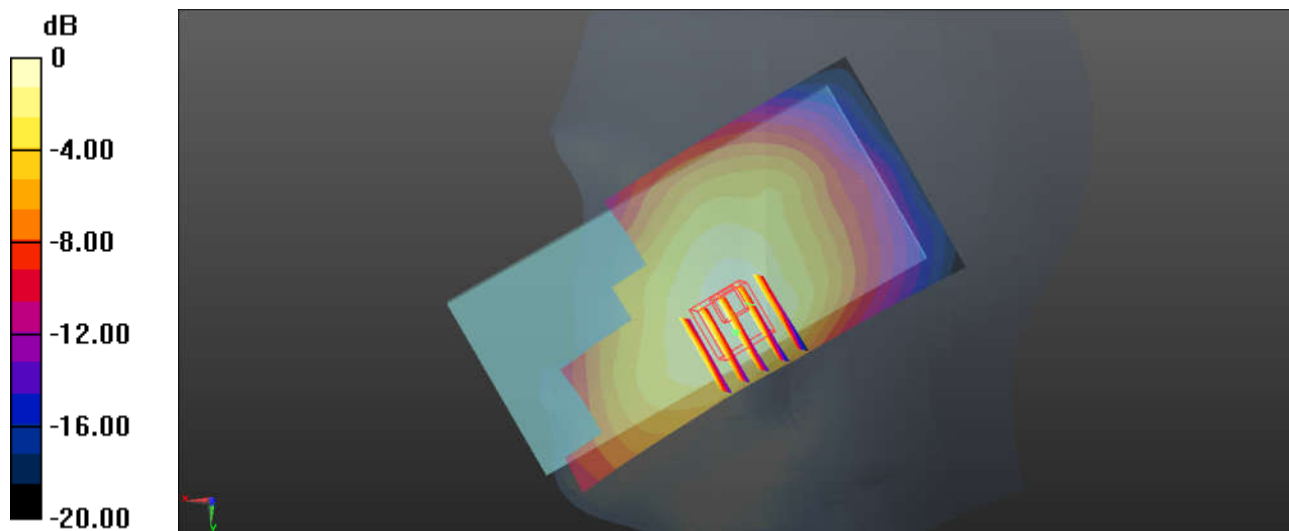
Ambient Temperature : $23.3 \text{ }^\circ\text{C}$; Liquid Temperature : $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.75, 10.75, 10.75); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch23330/Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.414 W/kg

Ch23330/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.370 V/m ; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.340 W/kg ; SAR(10 g) = 0.251 W/kg
Maximum value of SAR (measured) = 0.403 W/kg



$0 \text{ dB} = 0.414 \text{ W/kg} = -3.83 \text{ dBW/kg}$

#12_LTE Band 26_15M_QPSK_1RB_74Offset_Right Cheek_0mm_Ch26865

Communication System: UID 0, FDD_LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: HSL_850 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 42.173$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(10.23, 10.23, 10.23); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch26865/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.399 W/kg

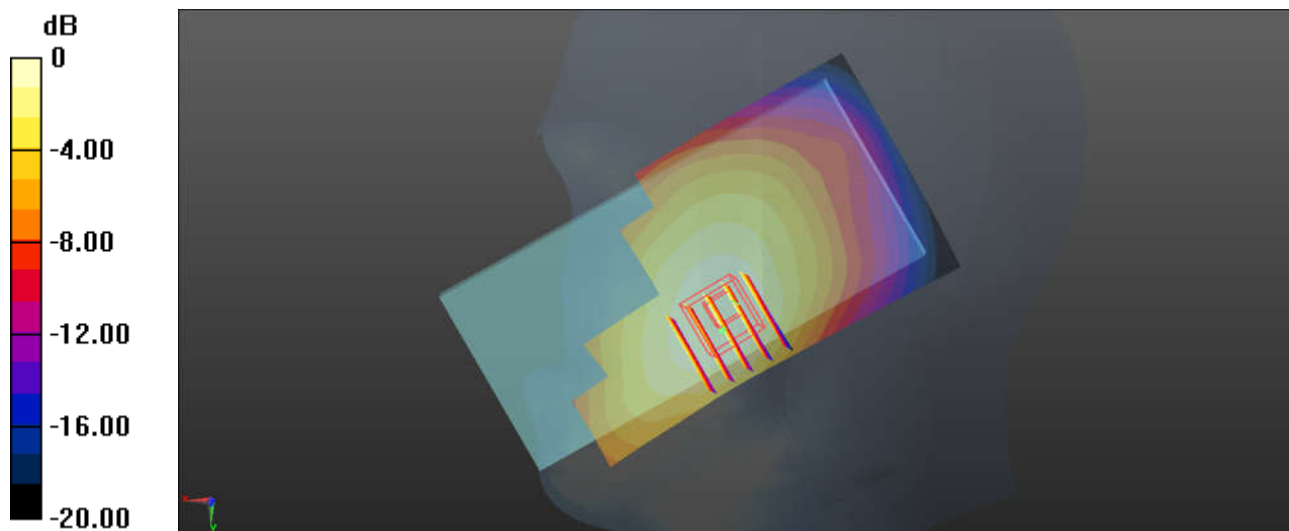
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.386 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.396 W/kg



0 dB = 0.399 W/kg = -3.99 dBW/kg

#13_LTE Band 66_20M_QPSK_1RB_99Offset_Right Cheek_0mm_Ch132072

Communication System: UID 0, FDD_LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 41.158$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.63, 8.63, 8.63); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch132072/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.157 W/kg

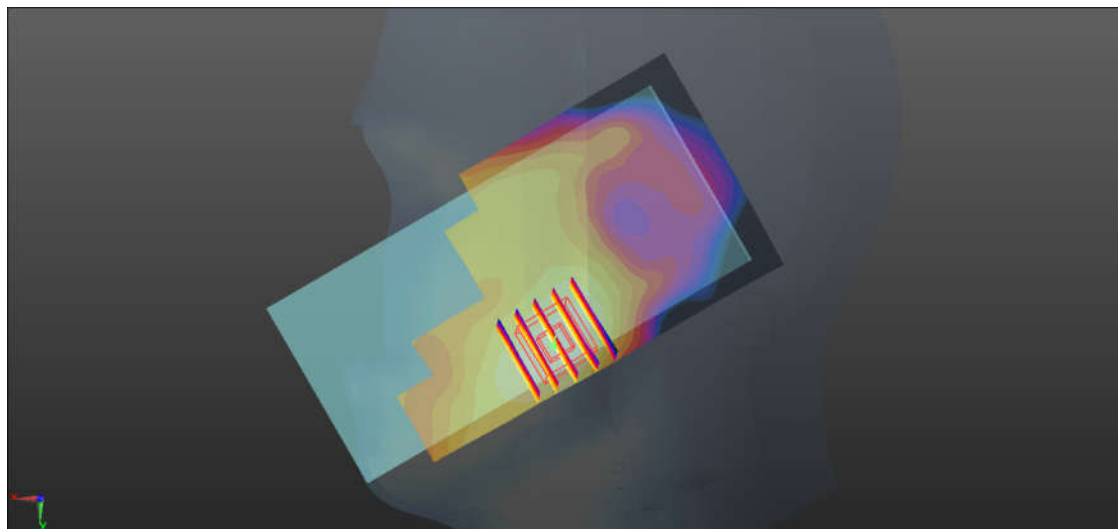
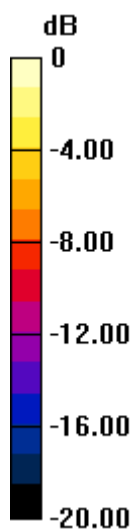
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.503 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.157 W/kg = -8.04 dBW/kg

#14_LTE Band 25_20M_QPSK_1RB_0Offset_Left Check_0mm_Ch26590

Communication System: UID 0, FDD_LTE (0); Frequency: 1905 MHz; Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.435$ S/m; $\epsilon_r = 39.914$;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(8.37, 8.37, 8.37); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch26590/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.123 W/kg

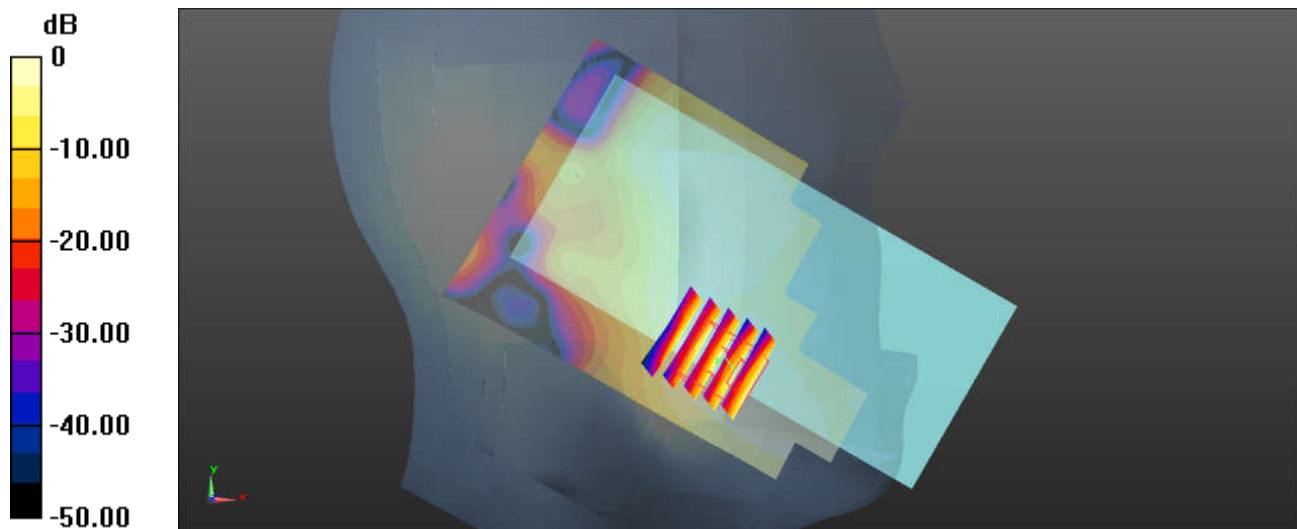
Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.436 V/m; Power Drift = 0.03dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.150 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg

#15_LTE Band 30_10M_QPSK_1RB_0Offset_Left Cheek_0mm_Ch27710

Communication System: UID 0, FDD_LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.696$ S/m; $\epsilon_r = 39.201$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3898; ConvF(7.91, 7.91, 7.91); Calibrated: 2017.6.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2017.6.16
- Phantom: SAM3; Type: SAM; Serial: TP-1696
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch27710/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.323 W/kg

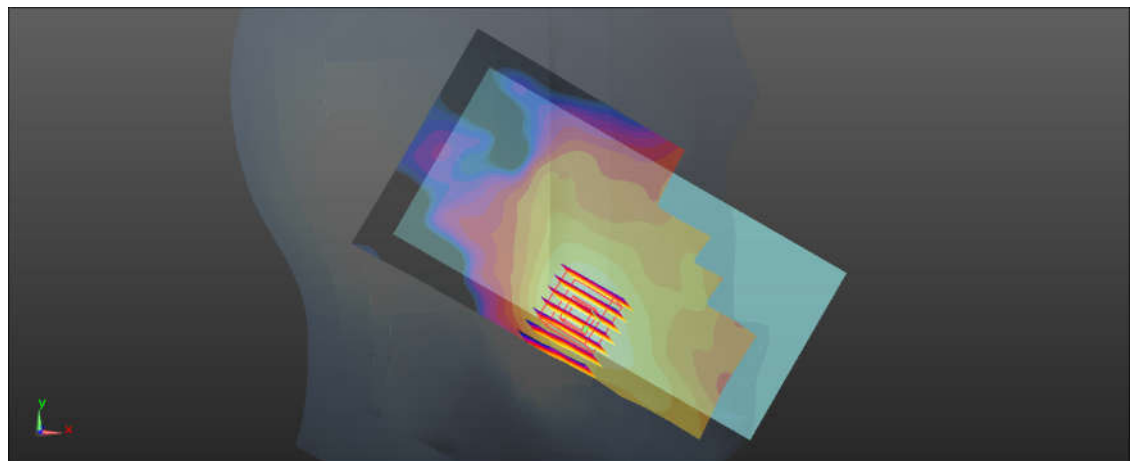
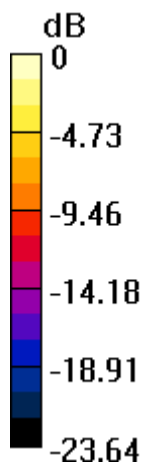
Ch27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.154 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg

#16_LTE Band 7_20M_QPSK_1RB_99Offset_Left Cheek_0mm_Ch20850

Communication System: UID 0, FDD_LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.94$ S/m; $\epsilon_r = 39.035$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.5, 4.5, 4.5); Calibrated: 2017.9.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch20850/Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.349 W/kg

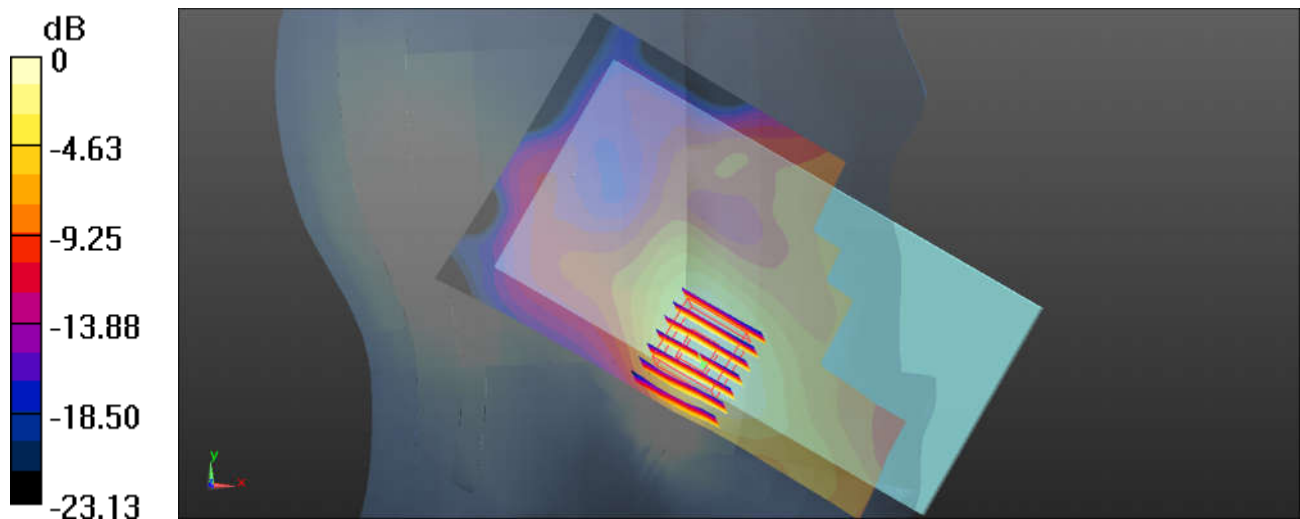
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.154 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg = -4.65 dBW/kg

#17_LTE Band 41_20M_QPSK_1RB_0Offset_Left Cheek_0mm_Ch40185_Power Class 3

Communication System: UID 0, TDD_LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59
Medium: HSL_2600 Medium parameters used: $f = 2549.5$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 38.248$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.5, 4.5, 4.5); Calibrated: 2017.9.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

Ch40185/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.188 W/kg

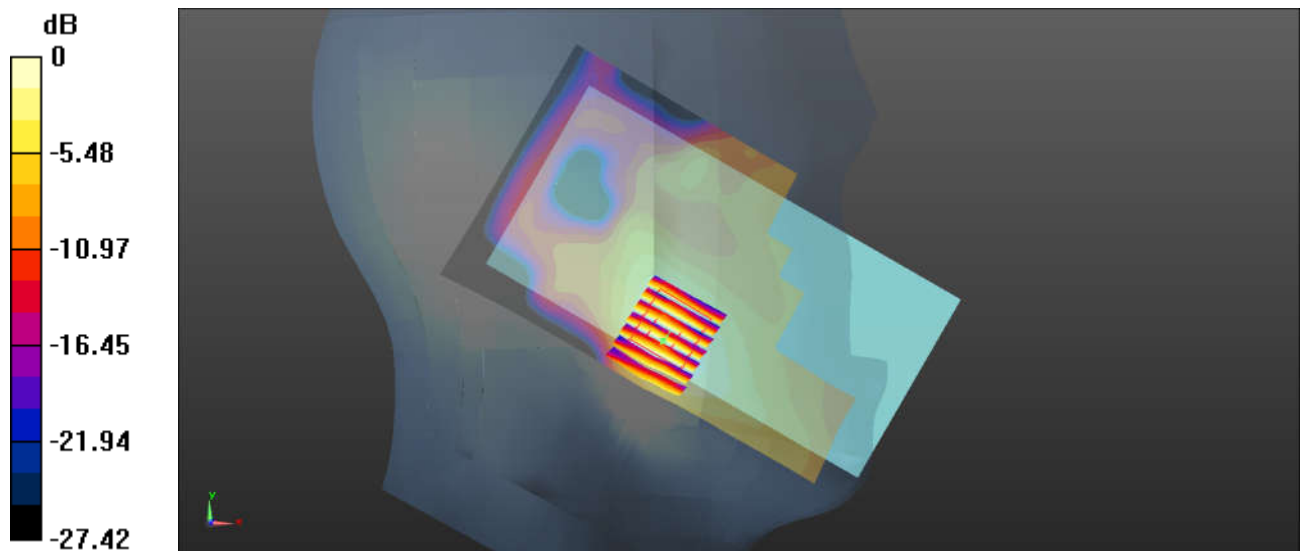
Ch40185/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.329 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.07 W/kg

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg = -7.28 dBW/kg